

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-3000	1,204826E+21	2,968807E+21	4,055540E+21	4,055438E+21	2,968549E+21	1,204581E+21	1,181847E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182267E+20
-2999	1,204697E+21	2,968494E+21	4,055212E+21	4,055341E+21	2,968691E+21	1,204787E+21	1,182368E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182048E+20
-2998	1,204599E+21	2,968485E+21	4,055218E+21	4,055222E+21	2,968521E+21	1,204693E+21	1,182483E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182668E+20
-2997	1,204766E+21	2,968514E+21	4,055073E+21	4,054981E+21	2,968298E+21	1,204545E+21	1,182013E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182228E+20
-2996	1,204545E+21	2,968164E+21	4,054800E+21	4,054873E+21	2,968339E+21	1,204716E+21	1,182725E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182295E+20
-2995	1,204560E+21	2,968263E+21	4,054849E+21	4,054771E+21	2,968088E+21	1,204475E+21	1,182318E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182753E+20
-2994	1,204646E+21	2,968158E+21	4,054627E+21	4,054620E+21	2,968088E+21	1,204513E+21	1,182248E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182235E+20
-2993	1,204431E+21	2,967964E+21	4,054594E+21	4,054648E+21	2,968141E+21	1,204627E+21	1,182779E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182623E+20
-2992	1,204622E+21	2,968205E+21	4,054699E+21	4,054602E+21	2,967954E+21	1,204395E+21	1,182156E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182669E+20
-2991	1,204588E+21	2,968053E+21	4,054532E+21	4,054610E+21	2,968161E+21	1,204607E+21	1,182474E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182136E+20
-2990	1,204447E+21	2,968103E+21	4,054756E+21	4,054762E+21	2,968197E+21	1,204618E+21	1,182700E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182692E+20
-2989	1,204677E+21	2,968311E+21	4,054862E+21	4,054788E+21	2,968124E+21	1,204470E+21	1,182088E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182333E+20
-2988	1,204542E+21	2,968126E+21	4,054764E+21	4,054901E+21	2,968386E+21	1,204708E+21	1,182547E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182161E+20
-2987	1,204570E+21	2,968362E+21	4,055040E+21	4,055023E+21	2,968331E+21	1,204585E+21	1,182346E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182753E+20
-2986	1,204777E+21	2,968494E+21	4,055070E+21	4,055048E+21	2,968397E+21	1,204592E+21	1,181975E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182108E+20
-2985	1,204603E+21	2,968404E+21	4,055150E+21	4,055201E+21	2,968570E+21	1,204779E+21	1,182579E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182318E+20
-2984	1,204741E+21	2,968674E+21	4,055359E+21	4,055251E+21	2,968423E+21	1,204566E+21	1,182073E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182485E+20
-2983	1,204742E+21	2,968548E+21	4,055187E+21	4,055215E+21	2,968563E+21	1,204699E+21	1,182142E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,181944E+20
-2982	1,204548E+21	2,968416E+21	4,055223E+21	4,055266E+21	2,968583E+21	1,204762E+21	1,182651E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182525E+20
-2981	1,204743E+21	2,968549E+21	4,055192E+21	4,055121E+21	2,968351E+21	1,204528E+21	1,181974E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182389E+20
-2980	1,204637E+21	2,968270E+21	4,054855E+21	4,054954E+21	2,968421E+21	1,204706E+21	1,182469E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182148E+20
-2979	1,204524E+21	2,968260E+21	4,054903E+21	4,054869E+21	2,968236E+21	1,204595E+21	1,182548E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182753E+20
-2978	1,204687E+21	2,968280E+21	4,054763E+21	4,054666E+21	2,968052E+21	1,204457E+21	1,182093E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182337E+20
-2977	1,204469E+21	2,967952E+21	4,054528E+21	4,054586E+21	2,968112E+21	1,204628E+21	1,182777E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182406E+20
-2976	1,204495E+21	2,968049E+21	4,054570E+21	4,054498E+21	2,967886E+21	1,204400E+21	1,182369E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182846E+20
-2975	1,204580E+21	2,967940E+21	4,054322E+21	4,054323E+21	2,967887E+21	1,204453E+21	1,182341E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182334E+20
-2974	1,204374E+21	2,967765E+21	4,054307E+21	4,054386E+21	2,967977E+21	1,204581E+21	1,182889E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182665E+20
-2973	1,204553E+21	2,968016E+21	4,054441E+21	4,054346E+21	2,967787E+21	1,204359E+21	1,182299E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182725E+20
-2972	1,204518E+21	2,967865E+21	4,054279E+21	4,054330E+21	2,967947E+21	1,204539E+21	1,182556E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182200E+20
-2971	1,204371E+21	2,967887E+21	4,054503E+21	4,054516E+21	2,967996E+21	1,204539E+21	1,182727E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182792E+20
-2970	1,204625E+21	2,968115E+21	4,054598E+21	4,054546E+21	2,967957E+21	1,204408E+21	1,182118E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182464E+20
-2969	1,204517E+21	2,967998E+21	4,054554E+21	4,054658E+21	2,968209E+21	1,204647E+21	1,182574E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182251E+20
-2968	1,204547E+21	2,968248E+21	4,054851E+21	4,054804E+21	2,968171E+21	1,204536E+21	1,182407E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182761E+20
-2967	1,204718E+21	2,968353E+21	4,054872E+21	4,054818E+21	2,968223E+21	1,204547E+21	1,182086E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182118E+20
-2966	1,204522E+21	2,968212E+21	4,054931E+21	4,055011E+21	2,968429E+21	1,204735E+21	1,182699E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182324E+20
-2965	1,204644E+21	2,968442E+21	4,055094E+21	4,055027E+21	2,968277E+21	1,204525E+21	1,182194E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182572E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2964	1,204667E+21	2,968314E+21	4,054873E+21	4,054898E+21	2,968339E+21	1,204624E+21	1,182213E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182080E+20
-2963	1,204484E+21	2,968173E+21	4,054896E+21	4,054940E+21	2,968338E+21	1,204676E+21	1,182690E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182657E+20
-2962	1,204691E+21	2,968333E+21	4,054862E+21	4,054785E+21	2,968118E+21	1,204453E+21	1,182049E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182518E+20
-2961	1,204584E+21	2,968096E+21	4,054586E+21	4,054622E+21	2,968161E+21	1,204621E+21	1,182552E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182234E+20
-2960	1,204453E+21	2,968049E+21	4,054627E+21	4,054574E+21	2,967998E+21	1,204511E+21	1,182628E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182800E+20
-2959	1,204591E+21	2,968018E+21	4,054430E+21	4,054348E+21	2,967820E+21	1,204380E+21	1,182205E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182443E+20
-2958	1,204389E+21	2,967690E+21	4,054191E+21	4,054296E+21	2,967918E+21	1,204562E+21	1,182876E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182495E+20
-2957	1,204424E+21	2,967817E+21	4,054248E+21	4,054196E+21	2,967694E+21	1,204352E+21	1,182498E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182956E+20
-2956	1,204524E+21	2,967748E+21	4,054026E+21	4,053991E+21	2,967649E+21	1,204383E+21	1,182437E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182413E+20
-2955	1,204308E+21	2,967574E+21	4,054061E+21	4,054111E+21	2,967750E+21	1,204505E+21	1,182943E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182718E+20
-2954	1,204482E+21	2,967816E+21	4,054190E+21	4,054109E+21	2,967609E+21	1,204297E+21	1,182365E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182807E+20
-2953	1,204458E+21	2,967699E+21	4,054065E+21	4,054104E+21	2,967773E+21	1,204473E+21	1,182584E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182293E+20
-2952	1,204329E+21	2,967719E+21	4,054277E+21	4,054296E+21	2,967835E+21	1,204481E+21	1,182758E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182847E+20
-2951	1,204574E+21	2,967939E+21	4,054348E+21	4,054303E+21	2,967794E+21	1,204364E+21	1,182199E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182534E+20
-2950	1,204476E+21	2,967847E+21	4,054335E+21	4,054451E+21	2,968070E+21	1,204608E+21	1,182671E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182267E+20
-2949	1,204484E+21	2,968095E+21	4,054648E+21	4,054588E+21	2,968017E+21	1,204504E+21	1,182550E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182798E+20
-2948	1,204645E+21	2,968170E+21	4,054642E+21	4,054566E+21	2,968019E+21	1,204478E+21	1,182172E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182191E+20
-2947	1,204445E+21	2,967986E+21	4,054662E+21	4,054754E+21	2,968224E+21	1,204655E+21	1,182736E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182435E+20
-2946	1,204582E+21	2,968214E+21	4,054785E+21	4,054745E+21	2,968085E+21	1,204457E+21	1,182243E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182719E+20
-2945	1,204628E+21	2,968140E+21	4,054597E+21	4,054592E+21	2,968113E+21	1,204547E+21	1,182259E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182210E+20
-2944	1,204445E+21	2,967993E+21	4,054618E+21	4,054636E+21	2,968112E+21	1,204603E+21	1,182761E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182693E+20
-2943	1,204607E+21	2,968114E+21	4,054567E+21	4,054469E+21	2,967880E+21	1,204385E+21	1,182173E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182580E+20
-2942	1,204494E+21	2,967846E+21	4,054281E+21	4,054344E+21	2,967951E+21	1,204549E+21	1,182669E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182279E+20
-2941	1,204356E+21	2,967788E+21	4,054299E+21	4,054271E+21	2,967790E+21	1,204450E+21	1,182756E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182910E+20
-2940	1,204514E+21	2,967769E+21	4,054086E+21	4,053997E+21	2,967563E+21	1,204296E+21	1,182294E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182584E+20
-2939	1,204327E+21	2,967454E+21	4,053865E+21	4,053969E+21	2,967673E+21	1,204478E+21	1,182928E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182607E+20
-2938	1,204370E+21	2,967619E+21	4,053952E+21	4,053894E+21	2,967484E+21	1,204290E+21	1,182596E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183055E+20
-2937	1,204469E+21	2,967592E+21	4,053801E+21	4,053716E+21	2,967426E+21	1,204313E+21	1,182520E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182478E+20
-2936	1,204239E+21	2,967376E+21	4,053821E+21	4,053879E+21	2,967564E+21	1,204438E+21	1,183010E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182732E+20
-2935	1,204390E+21	2,967582E+21	4,053906E+21	4,053855E+21	2,967433E+21	1,204242E+21	1,182456E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182888E+20
-2934	1,204395E+21	2,967482E+21	4,053783E+21	4,053869E+21	2,967619E+21	1,204423E+21	1,182664E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182346E+20
-2933	1,204277E+21	2,967547E+21	4,054020E+21	4,054050E+21	2,967680E+21	1,204448E+21	1,182874E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182917E+20
-2932	1,204529E+21	2,967795E+21	4,054118E+21	4,054034E+21	2,967590E+21	1,204305E+21	1,182287E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182590E+20
-2931	1,204420E+21	2,967693E+21	4,054139E+21	4,054230E+21	2,967874E+21	1,204536E+21	1,182708E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182327E+20
-2930	1,204423E+21	2,967921E+21	4,054431E+21	4,054387E+21	2,967858E+21	1,204443E+21	1,182599E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182897E+20
-2929	1,204593E+21	2,968015E+21	4,054431E+21	4,054343E+21	2,967840E+21	1,204405E+21	1,182183E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182323E+20

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-2928	1,204408E+21	2,967806E+21	4,054410E+21	4,054513E+21	2,968046E+21	1,204588E+21	1,182764E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182509E+20
-2927	1,204520E+21	2,968005E+21	4,054484E+21	4,054458E+21	2,967893E+21	1,204403E+21	1,182337E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182807E+20
-2926	1,204571E+21	2,967937E+21	4,054306E+21	4,054313E+21	2,967918E+21	1,204494E+21	1,182392E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182243E+20
-2925	1,204362E+21	2,967779E+21	4,054328E+21	4,054336E+21	2,967893E+21	1,204552E+21	1,182929E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182744E+20
-2924	1,204509E+21	2,967860E+21	4,054240E+21	4,054131E+21	2,967614E+21	1,204298E+21	1,182291E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182684E+20
-2923	1,204407E+21	2,967577E+21	4,053937E+21	4,054009E+21	2,967691E+21	1,204451E+21	1,182721E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182418E+20
-2922	1,204290E+21	2,967540E+21	4,053945E+21	4,053936E+21	2,967556E+21	1,204369E+21	1,182826E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183059E+20
-2921	1,204468E+21	2,967588E+21	4,053797E+21	4,053677E+21	2,967320E+21	1,204213E+21	1,182362E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182706E+20
-2920	1,204280E+21	2,967276E+21	4,053600E+21	4,053682E+21	2,967453E+21	1,204406E+21	1,183005E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182620E+20
-2919	1,204274E+21	2,967393E+21	4,053675E+21	4,053621E+21	2,967282E+21	1,204234E+21	1,182725E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183097E+20
-2918	1,204376E+21	2,967346E+21	4,053522E+21	4,053493E+21	2,967262E+21	1,204258E+21	1,182627E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182515E+20
-2917	1,204155E+21	2,967145E+21	4,053523E+21	4,053619E+21	2,967396E+21	1,204393E+21	1,183115E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182823E+20
-2916	1,204325E+21	2,967369E+21	4,053604E+21	4,053556E+21	2,967220E+21	1,204173E+21	1,182519E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183011E+20
-2915	1,204358E+21	2,967314E+21	4,053521E+21	4,053595E+21	2,967413E+21	1,204348E+21	1,182679E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182448E+20
-2914	1,204250E+21	2,967422E+21	4,053801E+21	4,053807E+21	2,967501E+21	1,204391E+21	1,182937E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183005E+20
-2913	1,204494E+21	2,967698E+21	4,053965E+21	4,053832E+21	2,967405E+21	1,204237E+21	1,182334E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182665E+20
-2912	1,204372E+21	2,967542E+21	4,053952E+21	4,054051E+21	2,967718E+21	1,204470E+21	1,182741E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182358E+20
-2911	1,204343E+21	2,967711E+21	4,054174E+21	4,054167E+21	2,967710E+21	1,204397E+21	1,182681E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182977E+20
-2910	1,204531E+21	2,967803E+21	4,054154E+21	4,054116E+21	2,967690E+21	1,204360E+21	1,182278E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182381E+20
-2909	1,204348E+21	2,967614E+21	4,054116E+21	4,054231E+21	2,967868E+21	1,204552E+21	1,182909E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182567E+20
-2908	1,204444E+21	2,967801E+21	4,054185E+21	4,054130E+21	2,967649E+21	1,204335E+21	1,182462E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182866E+20
-2907	1,204486E+21	2,967709E+21	4,054009E+21	4,054001E+21	2,967664E+21	1,204405E+21	1,182472E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182322E+20
-2906	1,204277E+21	2,967540E+21	4,054012E+21	4,054033E+21	2,967662E+21	1,204467E+21	1,183007E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182868E+20
-2905	1,204442E+21	2,967650E+21	4,053939E+21	4,053814E+21	2,967364E+21	1,204203E+21	1,182338E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182843E+20
-2904	1,204354E+21	2,967357E+21	4,053623E+21	4,053704E+21	2,967460E+21	1,204363E+21	1,182764E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182510E+20
-2903	1,204217E+21	2,967310E+21	4,053619E+21	4,053621E+21	2,967341E+21	1,204306E+21	1,182932E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183151E+20
-2902	1,204399E+21	2,967368E+21	4,053500E+21	4,053397E+21	2,967121E+21	1,204159E+21	1,182510E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182742E+20
-2901	1,204190E+21	2,967052E+21	4,053305E+21	4,053399E+21	2,967253E+21	1,204358E+21	1,183164E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182666E+20
-2900	1,204170E+21	2,967129E+21	4,053346E+21	4,053308E+21	2,967048E+21	1,204158E+21	1,182830E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183191E+20
-2899	1,204297E+21	2,967094E+21	4,053189E+21	4,053178E+21	2,967035E+21	1,204173E+21	1,182659E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182645E+20
-2898	1,204110E+21	2,966952E+21	4,053222E+21	4,053321E+21	2,967190E+21	1,204320E+21	1,183153E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182961E+20
-2897	1,204306E+21	2,967259E+21	4,053386E+21	4,053291E+21	2,967014E+21	1,204101E+21	1,182554E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183117E+20
-2896	1,204335E+21	2,967214E+21	4,053355E+21	4,053392E+21	2,967240E+21	1,204283E+21	1,182709E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182456E+20
-2895	1,204181E+21	2,967272E+21	4,053622E+21	4,053631E+21	2,967361E+21	1,204346E+21	1,183022E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183038E+20
-2894	1,204421E+21	2,967513E+21	4,053767E+21	4,053689E+21	2,967297E+21	1,204199E+21	1,182426E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182688E+20
-2893	1,204299E+21	2,967352E+21	4,053709E+21	4,053845E+21	2,967592E+21	1,204440E+21	1,182850E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182429E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2892	1,204268E+21	2,967489E+21	4,053878E+21	4,053888E+21	2,967520E+21	1,204341E+21	1,182770E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183064E+20
-2891	1,204474E+21	2,967605E+21	4,053855E+21	4,053810E+21	2,967477E+21	1,204292E+21	1,182337E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182482E+20
-2890	1,204297E+21	2,967438E+21	4,053827E+21	4,053913E+21	2,967638E+21	1,204483E+21	1,183008E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182662E+20
-2889	1,204382E+21	2,967628E+21	4,053929E+21	4,053833E+21	2,967398E+21	1,204245E+21	1,182532E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182980E+20
-2888	1,204421E+21	2,967496E+21	4,053724E+21	4,053718E+21	2,967430E+21	1,204306E+21	1,182511E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182407E+20
-2887	1,204190E+21	2,967285E+21	4,053674E+21	4,053722E+21	2,967444E+21	1,204390E+21	1,183081E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182989E+20
-2886	1,204374E+21	2,967405E+21	4,053614E+21	4,053530E+21	2,967164E+21	1,204139E+21	1,182453E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182927E+20
-2885	1,204285E+21	2,967146E+21	4,053305E+21	4,053387E+21	2,967250E+21	1,204315E+21	1,182919E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182578E+20
-2884	1,204123E+21	2,967069E+21	4,053296E+21	4,053282E+21	2,967091E+21	1,204236E+21	1,183068E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183207E+20
-2883	1,204303E+21	2,967116E+21	4,053178E+21	4,053076E+21	2,966880E+21	1,204077E+21	1,182592E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182838E+20
-2882	1,204108E+21	2,966809E+21	4,052971E+21	4,053081E+21	2,967030E+21	1,204278E+21	1,183227E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182799E+20
-2881	1,204114E+21	2,966931E+21	4,053051E+21	4,052999E+21	2,966814E+21	1,204068E+21	1,182855E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183344E+20
-2880	1,204264E+21	2,966920E+21	4,052922E+21	4,052906E+21	2,966827E+21	1,204090E+21	1,182670E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182721E+20
-2879	1,204064E+21	2,966795E+21	4,052983E+21	4,053072E+21	2,967016E+21	1,204268E+21	1,183227E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183023E+20
-2878	1,204256E+21	2,967116E+21	4,053206E+21	4,053110E+21	2,966873E+21	1,204067E+21	1,182688E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183113E+20
-2877	1,204261E+21	2,967060E+21	4,053172E+21	4,053215E+21	2,967111E+21	1,204254E+21	1,182845E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182476E+20
-2876	1,204089E+21	2,967053E+21	4,053371E+21	4,053406E+21	2,967201E+21	1,204294E+21	1,183116E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183098E+20
-2875	1,204347E+21	2,967289E+21	4,053475E+21	4,053423E+21	2,967125E+21	1,204138E+21	1,182466E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182794E+20
-2874	1,204251E+21	2,967166E+21	4,053414E+21	4,053554E+21	2,967402E+21	1,204380E+21	1,182909E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182556E+20
-2873	1,204236E+21	2,967346E+21	4,053625E+21	4,053592E+21	2,967295E+21	1,204266E+21	1,182821E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183162E+20
-2872	1,204428E+21	2,967448E+21	4,053622E+21	4,053542E+21	2,967256E+21	1,204209E+21	1,182381E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182524E+20
-2871	1,204217E+21	2,967236E+21	4,053575E+21	4,053658E+21	2,967436E+21	1,204410E+21	1,183078E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182744E+20
-2870	1,204305E+21	2,967401E+21	4,053659E+21	4,053593E+21	2,967218E+21	1,204182E+21	1,182629E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183053E+20
-2869	1,204346E+21	2,967275E+21	4,053425E+21	4,053435E+21	2,967239E+21	1,204250E+21	1,182623E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182518E+20
-2868	1,204111E+21	2,967033E+21	4,053327E+21	4,053385E+21	2,967210E+21	1,204316E+21	1,183178E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183087E+20
-2867	1,204304E+21	2,967173E+21	4,053268E+21	4,053174E+21	2,966925E+21	1,204067E+21	1,182548E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183033E+20
-2866	1,204213E+21	2,966929E+21	4,052986E+21	4,053041E+21	2,967000E+21	1,204242E+21	1,183045E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182687E+20
-2865	1,204046E+21	2,966845E+21	4,052996E+21	4,052960E+21	2,966830E+21	1,204144E+21	1,183146E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183317E+20
-2864	1,204227E+21	2,966873E+21	4,052860E+21	4,052769E+21	2,966644E+21	1,203982E+21	1,182632E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182933E+20
-2863	1,204032E+21	2,966569E+21	4,052643E+21	4,052766E+21	2,966814E+21	1,204203E+21	1,183280E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182912E+20
-2862	1,204062E+21	2,966731E+21	4,052777E+21	4,052740E+21	2,966633E+21	1,204017E+21	1,182962E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183397E+20
-2861	1,204213E+21	2,966772E+21	4,052697E+21	4,052663E+21	2,966660E+21	1,204052E+21	1,182801E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182750E+20
-2860	1,203986E+21	2,966613E+21	4,052759E+21	4,052835E+21	2,966832E+21	1,204215E+21	1,183336E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183041E+20
-2859	1,204177E+21	2,966922E+21	4,052975E+21	4,052891E+21	2,966716E+21	1,204014E+21	1,182759E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183178E+20
-2858	1,204193E+21	2,966869E+21	4,052923E+21	4,052979E+21	2,966951E+21	1,204197E+21	1,182894E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182598E+20
-2857	1,204044E+21	2,966877E+21	4,053121E+21	4,053152E+21	2,967013E+21	1,204223E+21	1,183130E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183225E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2856	1,204316E+21	2,967127E+21	4,053228E+21	4,053170E+21	2,966937E+21	1,204062E+21	1,182463E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182877E+20
-2855	1,204210E+21	2,967011E+21	4,053164E+21	4,053280E+21	2,967213E+21	1,204322E+21	1,182970E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182633E+20
-2854	1,204184E+21	2,967182E+21	4,053415E+21	4,053368E+21	2,967119E+21	1,204219E+21	1,182948E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183182E+20
-2853	1,204352E+21	2,967262E+21	4,053392E+21	4,053308E+21	2,967077E+21	1,204158E+21	1,182515E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182580E+20
-2852	1,204121E+21	2,966980E+21	4,053265E+21	4,053365E+21	2,967221E+21	1,204336E+21	1,183169E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182831E+20
-2851	1,204226E+21	2,967150E+21	4,053316E+21	4,053262E+21	2,967000E+21	1,204110E+21	1,182700E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183175E+20
-2850	1,204284E+21	2,967054E+21	4,053090E+21	4,053088E+21	2,967002E+21	1,204177E+21	1,182721E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182660E+20
-2849	1,204059E+21	2,966836E+21	4,053021E+21	4,053041E+21	2,966950E+21	1,204232E+21	1,183262E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183178E+20
-2848	1,204230E+21	2,966956E+21	4,052976E+21	4,052863E+21	2,966676E+21	1,203976E+21	1,182624E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183092E+20
-2847	1,204116E+21	2,966674E+21	4,052671E+21	4,052733E+21	2,966774E+21	1,204166E+21	1,183137E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182781E+20
-2846	1,203959E+21	2,966579E+21	4,052683E+21	4,052680E+21	2,966629E+21	1,204080E+21	1,183254E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183387E+20
-2845	1,204149E+21	2,966639E+21	4,052549E+21	4,052472E+21	2,966442E+21	1,203925E+21	1,182746E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183033E+20
-2844	1,203962E+21	2,966338E+21	4,052322E+21	4,052448E+21	2,966590E+21	1,204133E+21	1,183359E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182991E+20
-2843	1,204009E+21	2,966547E+21	4,052490E+21	4,052431E+21	2,966429E+21	1,203960E+21	1,183057E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183468E+20
-2842	1,204153E+21	2,966609E+21	4,052470E+21	4,052405E+21	2,966463E+21	1,203994E+21	1,182904E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182840E+20
-2841	1,203931E+21	2,966445E+21	4,052542E+21	4,052605E+21	2,966638E+21	1,204139E+21	1,183378E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183128E+20
-2840	1,204120E+21	2,966729E+21	4,052730E+21	4,052666E+21	2,966545E+21	1,203939E+21	1,182768E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183257E+20
-2839	1,204137E+21	2,966681E+21	4,052668E+21	4,052735E+21	2,966788E+21	1,204141E+21	1,182918E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182705E+20
-2838	1,204009E+21	2,966711E+21	4,052895E+21	4,052931E+21	2,966861E+21	1,204185E+21	1,183222E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183253E+20
-2837	1,204264E+21	2,966989E+21	4,053025E+21	4,052941E+21	2,966777E+21	1,204028E+21	1,182585E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182899E+20
-2836	1,204132E+21	2,966822E+21	4,052931E+21	4,053029E+21	2,967014E+21	1,204261E+21	1,183068E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182664E+20
-2835	1,204106E+21	2,966971E+21	4,053145E+21	4,053103E+21	2,966933E+21	1,204157E+21	1,183031E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183258E+20
-2834	1,204279E+21	2,967047E+21	4,053107E+21	4,053026E+21	2,966874E+21	1,204088E+21	1,182591E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182729E+20
-2833	1,204070E+21	2,966770E+21	4,052967E+21	4,053058E+21	2,966986E+21	1,204248E+21	1,183207E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182966E+20
-2832	1,204176E+21	2,966943E+21	4,053010E+21	4,052951E+21	2,966769E+21	1,204025E+21	1,182744E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183270E+20
-2831	1,204218E+21	2,966846E+21	4,052790E+21	4,052761E+21	2,966770E+21	1,204110E+21	1,182825E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182760E+20
-2830	1,203982E+21	2,966602E+21	4,052743E+21	4,052759E+21	2,966733E+21	1,204174E+21	1,183415E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183208E+20
-2829	1,204129E+21	2,966702E+21	4,052668E+21	4,052569E+21	2,966461E+21	1,203913E+21	1,182770E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183174E+20
-2828	1,204011E+21	2,966370E+21	4,052287E+21	4,052377E+21	2,966522E+21	1,204082E+21	1,183232E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182881E+20
-2827	1,203885E+21	2,966316E+21	4,052301E+21	4,052309E+21	2,966387E+21	1,204005E+21	1,183334E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183501E+20
-2826	1,204094E+21	2,966435E+21	4,052229E+21	4,052127E+21	2,966197E+21	1,203852E+21	1,182846E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183159E+20
-2825	1,203920E+21	2,966174E+21	4,052067E+21	4,052149E+21	2,966349E+21	1,204049E+21	1,183413E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183065E+20
-2824	1,203951E+21	2,966381E+21	4,052276E+21	4,052199E+21	2,966229E+21	1,203882E+21	1,183102E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183521E+20
-2823	1,204080E+21	2,966420E+21	4,052246E+21	4,052193E+21	2,966304E+21	1,203935E+21	1,182949E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182928E+20
-2822	1,203872E+21	2,966252E+21	4,052325E+21	4,052418E+21	2,966506E+21	1,204098E+21	1,183452E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183167E+20
-2821	1,204060E+21	2,966553E+21	4,052500E+21	4,052457E+21	2,966408E+21	1,203903E+21	1,182856E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183310E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2820	1,204075E+21	2,966486E+21	4,052398E+21	4,052470E+21	2,966606E+21	1,204090E+21	1,182998E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182748E+20
-2819	1,203959E+21	2,966547E+21	4,052635E+21	4,052652E+21	2,966678E+21	1,204142E+21	1,183334E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183291E+20
-2818	1,204197E+21	2,966819E+21	4,052798E+21	4,052688E+21	2,966578E+21	1,203972E+21	1,182704E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182993E+20
-2817	1,204074E+21	2,966632E+21	4,052684E+21	4,052775E+21	2,966799E+21	1,204174E+21	1,183112E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182773E+20
-2816	1,204046E+21	2,966761E+21	4,052863E+21	4,052834E+21	2,966723E+21	1,204069E+21	1,183050E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183366E+20
-2815	1,204220E+21	2,966838E+21	4,052814E+21	4,052737E+21	2,966668E+21	1,204016E+21	1,182640E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182863E+20
-2814	1,204023E+21	2,966574E+21	4,052698E+21	4,052785E+21	2,966788E+21	1,204195E+21	1,183326E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183005E+20
-2813	1,204098E+21	2,966743E+21	4,052744E+21	4,052671E+21	2,966565E+21	1,203976E+21	1,182897E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183305E+20
-2812	1,204111E+21	2,966578E+21	4,052468E+21	4,052447E+21	2,966529E+21	1,204036E+21	1,182956E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182826E+20
-2811	1,203888E+21	2,966323E+21	4,052366E+21	4,052408E+21	2,966500E+21	1,204103E+21	1,183523E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183298E+20
-2810	1,204038E+21	2,966431E+21	4,052303E+21	4,052211E+21	2,966208E+21	1,203833E+21	1,182867E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183345E+20
-2809	1,203960E+21	2,966138E+21	4,051941E+21	4,052018E+21	2,966244E+21	1,203975E+21	1,183257E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183024E+20
-2808	1,203842E+21	2,966123E+21	4,051990E+21	4,051980E+21	2,966134E+21	1,203910E+21	1,183369E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183593E+20
-2807	1,204039E+21	2,966265E+21	4,051980E+21	4,051848E+21	2,965984E+21	1,203786E+21	1,182935E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183246E+20
-2806	1,203857E+21	2,965999E+21	4,051872E+21	4,051947E+21	2,966177E+21	1,204000E+21	1,183533E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183076E+20
-2805	1,203865E+21	2,966183E+21	4,052053E+21	4,052003E+21	2,966088E+21	1,203842E+21	1,183222E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183563E+20
-2804	1,203990E+21	2,966176E+21	4,051953E+21	4,051940E+21	2,966133E+21	1,203881E+21	1,183024E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182998E+20
-2803	1,203817E+21	2,966044E+21	4,052009E+21	4,052132E+21	2,966336E+21	1,204053E+21	1,183529E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183231E+20
-2802	1,204005E+21	2,966382E+21	4,052239E+21	4,052184E+21	2,966219E+21	1,203853E+21	1,182955E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183404E+20
-2801	1,204036E+21	2,966341E+21	4,052175E+21	4,052210E+21	2,966388E+21	1,204011E+21	1,183043E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182815E+20
-2800	1,203906E+21	2,966391E+21	4,052423E+21	4,052427E+21	2,966478E+21	1,204060E+21	1,183370E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183359E+20
-2799	1,204132E+21	2,966640E+21	4,052569E+21	4,052467E+21	2,966406E+21	1,203906E+21	1,182745E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183113E+20
-2798	1,204023E+21	2,966448E+21	4,052460E+21	4,052563E+21	2,966637E+21	1,204118E+21	1,183178E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182852E+20
-2797	1,203989E+21	2,966578E+21	4,052610E+21	4,052595E+21	2,966557E+21	1,204020E+21	1,183138E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183439E+20
-2796	1,204148E+21	2,966614E+21	4,052496E+21	4,052429E+21	2,966455E+21	1,203955E+21	1,182747E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182934E+20
-2795	1,203954E+21	2,966356E+21	4,052365E+21	4,052450E+21	2,966567E+21	1,204141E+21	1,183476E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183051E+20
-2794	1,203998E+21	2,966494E+21	4,052426E+21	4,052347E+21	2,966318E+21	1,203904E+21	1,183047E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183417E+20
-2793	1,204027E+21	2,966305E+21	4,052105E+21	4,052093E+21	2,966251E+21	1,203932E+21	1,183027E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182959E+20
-2792	1,203814E+21	2,966063E+21	4,051994E+21	4,052044E+21	2,966223E+21	1,203995E+21	1,183554E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183427E+20
-2791	1,203974E+21	2,966202E+21	4,051959E+21	4,051859E+21	2,965955E+21	1,203747E+21	1,182932E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183484E+20
-2790	1,203911E+21	2,965956E+21	4,051677E+21	4,051728E+21	2,966024E+21	1,203910E+21	1,183363E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183062E+20
-2789	1,203769E+21	2,965949E+21	4,051764E+21	4,051738E+21	2,965945E+21	1,203858E+21	1,183502E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183611E+20
-2788	1,203936E+21	2,966024E+21	4,051707E+21	4,051603E+21	2,965795E+21	1,203726E+21	1,183055E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183291E+20
-2787	1,203772E+21	2,965762E+21	4,051562E+21	4,051684E+21	2,966016E+21	1,203952E+21	1,183634E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183135E+20
-2786	1,203780E+21	2,965953E+21	4,051760E+21	4,051734E+21	2,965906E+21	1,203789E+21	1,183315E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183693E+20
-2785	1,203945E+21	2,965977E+21	4,051659E+21	4,051652E+21	2,965921E+21	1,203801E+21	1,183042E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183112E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2784	1,203787E+21	2,965895E+21	4,051745E+21	4,051848E+21	2,966125E+21	1,203975E+21	1,183550E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183312E+20
-2783	1,203961E+21	2,966249E+21	4,052031E+21	4,051944E+21	2,966032E+21	1,203794E+21	1,183020E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183495E+20
-2782	1,203990E+21	2,966206E+21	4,052013E+21	4,052032E+21	2,966227E+21	1,203955E+21	1,183122E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182858E+20
-2781	1,203841E+21	2,966223E+21	4,052219E+21	4,052243E+21	2,966337E+21	1,204010E+21	1,183450E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183416E+20
-2780	1,204055E+21	2,966419E+21	4,052288E+21	4,052219E+21	2,966233E+21	1,203849E+21	1,182821E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183197E+20
-2779	1,203972E+21	2,966251E+21	4,052143E+21	4,052267E+21	2,966456E+21	1,204071E+21	1,183284E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182908E+20
-2778	1,203913E+21	2,966377E+21	4,052322E+21	4,052295E+21	2,966349E+21	1,203969E+21	1,183278E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183517E+20
-2777	1,204076E+21	2,966403E+21	4,052204E+21	4,052116E+21	2,966204E+21	1,203868E+21	1,182829E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183022E+20
-2776	1,203876E+21	2,966125E+21	4,052042E+21	4,052130E+21	2,966312E+21	1,204044E+21	1,183536E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183150E+20
-2775	1,203910E+21	2,966241E+21	4,052090E+21	4,052027E+21	2,966083E+21	1,203818E+21	1,183106E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183567E+20
-2774	1,203962E+21	2,966074E+21	4,051799E+21	4,051785E+21	2,966015E+21	1,203850E+21	1,183104E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183063E+20
-2773	1,203750E+21	2,965851E+21	4,051687E+21	4,051739E+21	2,966000E+21	1,203922E+21	1,183640E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183500E+20
-2772	1,203893E+21	2,965970E+21	4,051631E+21	4,051529E+21	2,965721E+21	1,203681E+21	1,183060E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183553E+20
-2771	1,203838E+21	2,965745E+21	4,051366E+21	4,051417E+21	2,965814E+21	1,203856E+21	1,183515E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183104E+20
-2770	1,203667E+21	2,965709E+21	4,051480E+21	4,051467E+21	2,965742E+21	1,203798E+21	1,183643E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183717E+20
-2769	1,203858E+21	2,965771E+21	4,051381E+21	4,051308E+21	2,965576E+21	1,203640E+21	1,183105E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183421E+20
-2768	1,203716E+21	2,965544E+21	4,051234E+21	4,051373E+21	2,965793E+21	1,203864E+21	1,183641E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183256E+20
-2767	1,203733E+21	2,965771E+21	4,051477E+21	4,051447E+21	2,965707E+21	1,203722E+21	1,183353E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183805E+20
-2766	1,203911E+21	2,965850E+21	4,051465E+21	4,051419E+21	2,965740E+21	1,203747E+21	1,183113E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183144E+20
-2765	1,203736E+21	2,965777E+21	4,051584E+21	4,051659E+21	2,965969E+21	1,203926E+21	1,183634E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183328E+20
-2764	1,203882E+21	2,966061E+21	4,051807E+21	4,051737E+21	2,965879E+21	1,203746E+21	1,183117E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183539E+20
-2763	1,203926E+21	2,966021E+21	4,051753E+21	4,051807E+21	2,966091E+21	1,203913E+21	1,183213E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182914E+20
-2762	1,203768E+21	2,966026E+21	4,051965E+21	4,052003E+21	2,966171E+21	1,203960E+21	1,183543E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183525E+20
-2761	1,204003E+21	2,966216E+21	4,051993E+21	4,051932E+21	2,966025E+21	1,203772E+21	1,182867E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183294E+20
-2760	1,203922E+21	2,966075E+21	4,051853E+21	4,051955E+21	2,966224E+21	1,203992E+21	1,183345E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,182992E+20
-2759	1,203839E+21	2,966176E+21	4,052052E+21	4,052003E+21	2,966125E+21	1,203899E+21	1,183376E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183606E+20
-2758	1,203996E+21	2,966187E+21	4,051941E+21	4,051846E+21	2,965988E+21	1,203794E+21	1,182935E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183107E+20
-2757	1,203793E+21	2,965887E+21	4,051729E+21	4,051831E+21	2,966095E+21	1,203967E+21	1,183619E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183242E+20
-2756	1,203820E+21	2,965960E+21	4,051709E+21	4,051670E+21	2,965840E+21	1,203740E+21	1,183199E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183680E+20
-2755	1,203900E+21	2,965841E+21	4,051428E+21	4,051423E+21	2,965779E+21	1,203780E+21	1,183228E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183138E+20
-2754	1,203666E+21	2,965630E+21	4,051381E+21	4,051412E+21	2,965760E+21	1,203853E+21	1,183777E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183590E+20
-2753	1,203815E+21	2,965738E+21	4,051327E+21	4,051217E+21	2,965472E+21	1,203593E+21	1,183155E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183649E+20
-2752	1,203759E+21	2,965516E+21	4,051058E+21	4,051115E+21	2,965580E+21	1,203767E+21	1,183564E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183219E+20
-2751	1,203589E+21	2,965473E+21	4,051178E+21	4,051183E+21	2,965543E+21	1,203725E+21	1,183688E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183853E+20
-2750	1,203807E+21	2,965578E+21	4,051121E+21	4,051046E+21	2,965387E+21	1,203574E+21	1,183153E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183521E+20
-2749	1,203675E+21	2,965383E+21	4,050980E+21	4,051113E+21	2,965615E+21	1,203806E+21	1,183693E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183301E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \ominus	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2748	1,203671E+21	2,965590E+21	4,051219E+21	4,051177E+21	2,965525E+21	1,203676E+21	1,183463E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183838E+20
-2747	1,203855E+21	2,965695E+21	4,051237E+21	4,051183E+21	2,965575E+21	1,203706E+21	1,183249E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183151E+20
-2746	1,203649E+21	2,965588E+21	4,051374E+21	4,051456E+21	2,965810E+21	1,203879E+21	1,183751E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183409E+20
-2745	1,203816E+21	2,965851E+21	4,051543E+21	4,051495E+21	2,965699E+21	1,203676E+21	1,183166E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183644E+20
-2744	1,203879E+21	2,965840E+21	4,051476E+21	4,051528E+21	2,965889E+21	1,203836E+21	1,183225E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183030E+20
-2743	1,203722E+21	2,965853E+21	4,051705E+21	4,051735E+21	2,965985E+21	1,203898E+21	1,183591E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183615E+20
-2742	1,203954E+21	2,966068E+21	4,051784E+21	4,051685E+21	2,965833E+21	1,203712E+21	1,182949E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183343E+20
-2741	1,203852E+21	2,965899E+21	4,051625E+21	4,051709E+21	2,966031E+21	1,203928E+21	1,183436E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183035E+20
-2740	1,203739E+21	2,965913E+21	4,051733E+21	4,051712E+21	2,965922E+21	1,203835E+21	1,183483E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183687E+20
-2739	1,203916E+21	2,965933E+21	4,051585E+21	4,051520E+21	2,965778E+21	1,203729E+21	1,183051E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183207E+20
-2738	1,203709E+21	2,965633E+21	4,051391E+21	4,051496E+21	2,965856E+21	1,203890E+21	1,183716E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183385E+20
-2737	1,203761E+21	2,965718E+21	4,051345E+21	4,051299E+21	2,965571E+21	1,203646E+21	1,183269E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183803E+20
-2736	1,203844E+21	2,965642E+21	4,051107E+21	4,051060E+21	2,965502E+21	1,203687E+21	1,183304E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183250E+20
-2735	1,203590E+21	2,965413E+21	4,051099E+21	4,051111E+21	2,965523E+21	1,203773E+21	1,183869E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183686E+20
-2734	1,203734E+21	2,965515E+21	4,051059E+21	4,050951E+21	2,965266E+21	1,203521E+21	1,183256E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183745E+20
-2733	1,203682E+21	2,965289E+21	4,050764E+21	4,050835E+21	2,965385E+21	1,203700E+21	1,183636E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183300E+20
-2732	1,203508E+21	2,965212E+21	4,050831E+21	4,050861E+21	2,965338E+21	1,203669E+21	1,183786E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183915E+20
-2731	1,203747E+21	2,965375E+21	4,050804E+21	4,050739E+21	2,965198E+21	1,203530E+21	1,183286E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183544E+20
-2730	1,203598E+21	2,965205E+21	4,050747E+21	4,050852E+21	2,965418E+21	1,203754E+21	1,183813E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183352E+20
-2729	1,203604E+21	2,965397E+21	4,050973E+21	4,050926E+21	2,965323E+21	1,203607E+21	1,183546E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183901E+20
-2728	1,203793E+21	2,965518E+21	4,051003E+21	4,050947E+21	2,965385E+21	1,203630E+21	1,183275E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183257E+20
-2727	1,203595E+21	2,965409E+21	4,051148E+21	4,051236E+21	2,965647E+21	1,203814E+21	1,183769E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183528E+20
-2726	1,203779E+21	2,965701E+21	4,051337E+21	4,051281E+21	2,965542E+21	1,203619E+21	1,183200E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183734E+20
-2725	1,203843E+21	2,965702E+21	4,051260E+21	4,051294E+21	2,965726E+21	1,203781E+21	1,183268E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183085E+20
-2724	1,203657E+21	2,965656E+21	4,051439E+21	4,051462E+21	2,965800E+21	1,203853E+21	1,183706E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183647E+20
-2723	1,203878E+21	2,965863E+21	4,051510E+21	4,051422E+21	2,965651E+21	1,203664E+21	1,183096E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183383E+20
-2722	1,203755E+21	2,965654E+21	4,051335E+21	4,051429E+21	2,965822E+21	1,203862E+21	1,183558E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183156E+20
-2721	1,203665E+21	2,965643E+21	4,051367E+21	4,051362E+21	2,965672E+21	1,203747E+21	1,183551E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183820E+20
-2720	1,203861E+21	2,965706E+21	4,051231E+21	4,051144E+21	2,965498E+21	1,203631E+21	1,183094E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183354E+20
-2719	1,203655E+21	2,965427E+21	4,051081E+21	4,051156E+21	2,965602E+21	1,203803E+21	1,183776E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183489E+20
-2718	1,203701E+21	2,965541E+21	4,051098E+21	4,051005E+21	2,965337E+21	1,203571E+21	1,183371E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183875E+20
-2717	1,203764E+21	2,965434E+21	4,050848E+21	4,050790E+21	2,965289E+21	1,203614E+21	1,183404E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183308E+20
-2716	1,203484E+21	2,965127E+21	4,050760E+21	4,050814E+21	2,965325E+21	1,203714E+21	1,183986E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183751E+20
-2715	1,203646E+21	2,965249E+21	4,050708E+21	4,050641E+21	2,965070E+21	1,203468E+21	1,183392E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183819E+20
-2714	1,203593E+21	2,965033E+21	4,050435E+21	4,050519E+21	2,965167E+21	1,203637E+21	1,183745E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183407E+20
-2713	1,203449E+21	2,964981E+21	4,050489E+21	4,050517E+21	2,965096E+21	1,203593E+21	1,183865E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183995E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2712	1,203694E+21	2,965203E+21	4,050533E+21	4,050420E+21	2,964949E+21	1,203450E+21	1,183351E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183636E+20
-2711	1,203540E+21	2,965034E+21	4,050532E+21	4,050618E+21	2,965220E+21	1,203679E+21	1,183857E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183446E+20
-2710	1,203555E+21	2,965242E+21	4,050779E+21	4,050727E+21	2,965161E+21	1,203543E+21	1,183596E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184003E+20
-2709	1,203749E+21	2,965359E+21	4,050792E+21	4,050740E+21	2,965233E+21	1,203568E+21	1,183294E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183339E+20
-2708	1,203543E+21	2,965216E+21	4,050883E+21	4,050991E+21	2,965490E+21	1,203769E+21	1,183838E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183574E+20
-2707	1,203729E+21	2,965535E+21	4,051086E+21	4,051039E+21	2,965389E+21	1,203585E+21	1,183327E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183737E+20
-2706	1,203762E+21	2,965521E+21	4,051042E+21	4,051056E+21	2,965545E+21	1,203736E+21	1,183397E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183144E+20
-2705	1,203581E+21	2,965425E+21	4,051147E+21	4,051180E+21	2,965589E+21	1,203785E+21	1,183804E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183716E+20
-2704	1,203802E+21	2,965639E+21	4,051205E+21	4,051110E+21	2,965416E+21	1,203582E+21	1,183146E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183523E+20
-2703	1,203694E+21	2,965430E+21	4,051032E+21	4,051124E+21	2,965590E+21	1,203772E+21	1,183589E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183302E+20
-2702	1,203621E+21	2,965452E+21	4,051080E+21	4,051056E+21	2,965439E+21	1,203664E+21	1,183607E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183931E+20
-2701	1,203811E+21	2,965527E+21	4,050957E+21	4,050840E+21	2,965268E+21	1,203553E+21	1,183173E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183422E+20
-2700	1,203571E+21	2,965194E+21	4,050774E+21	4,050835E+21	2,965371E+21	1,203743E+21	1,183924E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183519E+20
-2699	1,203599E+21	2,965282E+21	4,050781E+21	4,050716E+21	2,965134E+21	1,203520E+21	1,183561E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183914E+20
-2698	1,203645E+21	2,965142E+21	4,050515E+21	4,050488E+21	2,965073E+21	1,203550E+21	1,183550E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183439E+20
-2697	1,203401E+21	2,964819E+21	4,050345E+21	4,050437E+21	2,965070E+21	1,203631E+21	1,184070E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183868E+20
-2696	1,203580E+21	2,965007E+21	4,050336E+21	4,050254E+21	2,964793E+21	1,203376E+21	1,183443E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183958E+20
-2695	1,203543E+21	2,964838E+21	4,050140E+21	4,050191E+21	2,964914E+21	1,203548E+21	1,183785E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183502E+20
-2694	1,203404E+21	2,964837E+21	4,050273E+21	4,050255E+21	2,964876E+21	1,203518E+21	1,183931E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184065E+20
-2693	1,203638E+21	2,965052E+21	4,050340E+21	4,050216E+21	2,964773E+21	1,203381E+21	1,183400E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183696E+20
-2692	1,203470E+21	2,964835E+21	4,050290E+21	4,050405E+21	2,965073E+21	1,203630E+21	1,183920E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183509E+20
-2691	1,203499E+21	2,965058E+21	4,050537E+21	4,050526E+21	2,965035E+21	1,203510E+21	1,183702E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184052E+20
-2690	1,203684E+21	2,965177E+21	4,050561E+21	4,050527E+21	2,965086E+21	1,203528E+21	1,183380E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183424E+20
-2689	1,203497E+21	2,965027E+21	4,050599E+21	4,050711E+21	2,965300E+21	1,203716E+21	1,183926E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183614E+20
-2688	1,203665E+21	2,965366E+21	4,050840E+21	4,050754E+21	2,965165E+21	1,203519E+21	1,183408E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183811E+20
-2687	1,203690E+21	2,965323E+21	4,050800E+21	4,050809E+21	2,965336E+21	1,203659E+21	1,183459E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183248E+20
-2686	1,203524E+21	2,965237E+21	4,050886E+21	4,050918E+21	2,965384E+21	1,203710E+21	1,183866E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183837E+20
-2685	1,203751E+21	2,965443E+21	4,050917E+21	4,050820E+21	2,965202E+21	1,203503E+21	1,183190E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183623E+20
-2684	1,203632E+21	2,965205E+21	4,050706E+21	4,050807E+21	2,965370E+21	1,203706E+21	1,183677E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183367E+20
-2683	1,203554E+21	2,965247E+21	4,050784E+21	4,050762E+21	2,965230E+21	1,203610E+21	1,183762E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183949E+20
-2682	1,203707E+21	2,965290E+21	4,050680E+21	4,050559E+21	2,965047E+21	1,203491E+21	1,183331E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183505E+20
-2681	1,203473E+21	2,964904E+21	4,050411E+21	4,050504E+21	2,965129E+21	1,203665E+21	1,184044E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183606E+20
-2680	1,203502E+21	2,965006E+21	4,050412E+21	4,050351E+21	2,964868E+21	1,203431E+21	1,183636E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184070E+20
-2679	1,203572E+21	2,964876E+21	4,050156E+21	4,050139E+21	2,964814E+21	1,203456E+21	1,183593E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183605E+20
-2678	1,203360E+21	2,964617E+21	4,050013E+21	4,050092E+21	2,964817E+21	1,203542E+21	1,184113E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183990E+20
-2677	1,203536E+21	2,964836E+21	4,050054E+21	4,049938E+21	2,964554E+21	1,203294E+21	1,183500E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184028E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2676	1,203475E+21	2,964644E+21	4,049878E+21	4,049913E+21	2,964701E+21	1,203484E+21	1,183885E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183535E+20
-2675	1,203328E+21	2,964641E+21	4,050037E+21	4,050045E+21	2,964714E+21	1,203471E+21	1,184078E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184093E+20
-2674	1,203548E+21	2,964837E+21	4,050102E+21	4,050012E+21	2,964625E+21	1,203338E+21	1,183519E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183792E+20
-2673	1,203409E+21	2,964612E+21	4,049983E+21	4,050131E+21	2,964893E+21	1,203574E+21	1,183994E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183577E+20
-2672	1,203444E+21	2,964883E+21	4,050265E+21	4,050237E+21	2,964834E+21	1,203452E+21	1,183764E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184132E+20
-2671	1,203631E+21	2,965018E+21	4,050334E+21	4,050282E+21	2,964894E+21	1,203463E+21	1,183428E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183495E+20
-2670	1,203450E+21	2,964885E+21	4,050382E+21	4,050477E+21	2,965109E+21	1,203651E+21	1,183994E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183678E+20
-2669	1,203600E+21	2,965189E+21	4,050615E+21	4,050536E+21	2,964988E+21	1,203449E+21	1,183454E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183882E+20
-2668	1,203618E+21	2,965105E+21	4,050516E+21	4,050548E+21	2,965151E+21	1,203596E+21	1,183526E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183334E+20
-2667	1,203462E+21	2,965026E+21	4,050597E+21	4,050658E+21	2,965201E+21	1,203656E+21	1,183981E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183899E+20
-2666	1,203676E+21	2,965234E+21	4,050633E+21	4,050545E+21	2,965004E+21	1,203445E+21	1,183303E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183730E+20
-2665	1,203570E+21	2,964981E+21	4,050367E+21	4,050460E+21	2,965126E+21	1,203634E+21	1,183792E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183432E+20
-2664	1,203469E+21	2,965026E+21	4,050476E+21	4,050422E+21	2,964966E+21	1,203529E+21	1,183866E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184051E+20
-2663	1,203616E+21	2,965031E+21	4,050361E+21	4,050256E+21	2,964803E+21	1,203398E+21	1,183411E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183657E+20
-2662	1,203407E+21	2,964661E+21	4,050056E+21	4,050165E+21	2,964881E+21	1,203574E+21	1,184109E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183756E+20
-2661	1,203439E+21	2,964767E+21	4,050063E+21	4,050004E+21	2,964616E+21	1,203339E+21	1,183681E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184182E+20
-2660	1,203505E+21	2,964639E+21	4,049802E+21	4,049783E+21	2,964566E+21	1,203380E+21	1,183684E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183672E+20
-2659	1,203291E+21	2,964417E+21	4,049725E+21	4,049796E+21	2,964599E+21	1,203484E+21	1,184262E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183998E+20
-2658	1,203438E+21	2,964625E+21	4,049807E+21	4,049691E+21	2,964360E+21	1,203240E+21	1,183649E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184095E+20
-2657	1,203391E+21	2,964406E+21	4,049574E+21	4,049641E+21	2,964506E+21	1,203419E+21	1,183982E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183603E+20
-2656	1,203253E+21	2,964433E+21	4,049760E+21	4,049767E+21	2,964514E+21	1,203404E+21	1,184136E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184216E+20
-2655	1,203491E+21	2,964634E+21	4,049839E+21	4,049771E+21	2,964445E+21	1,203268E+21	1,183550E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183919E+20
-2654	1,203383E+21	2,964473E+21	4,049734E+21	4,049876E+21	2,964710E+21	1,203510E+21	1,184028E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183666E+20
-2653	1,203402E+21	2,964747E+21	4,050046E+21	4,049989E+21	2,964647E+21	1,203389E+21	1,183814E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184161E+20
-2652	1,203558E+21	2,964836E+21	4,050101E+21	4,050046E+21	2,964717E+21	1,203410E+21	1,183518E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183532E+20
-2651	1,203379E+21	2,964691E+21	4,050144E+21	4,050270E+21	2,964953E+21	1,203602E+21	1,184118E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183727E+20
-2650	1,203517E+21	2,964970E+21	4,050344E+21	4,050298E+21	2,964823E+21	1,203398E+21	1,183557E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184002E+20
-2649	1,203563E+21	2,964880E+21	4,050179E+21	4,050228E+21	2,964933E+21	1,203524E+21	1,183598E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183428E+20
-2648	1,203407E+21	2,964844E+21	4,050300E+21	4,050321E+21	2,964954E+21	1,203578E+21	1,184046E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183994E+20
-2647	1,203610E+21	2,965042E+21	4,050367E+21	4,050255E+21	2,964770E+21	1,203363E+21	1,183379E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183828E+20
-2646	1,203507E+21	2,964795E+21	4,050093E+21	4,050170E+21	2,964892E+21	1,203551E+21	1,183877E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183536E+20
-2645	1,203386E+21	2,964791E+21	4,050173E+21	4,050131E+21	2,964744E+21	1,203444E+21	1,183928E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184142E+20
-2644	1,203524E+21	2,964757E+21	4,050002E+21	4,049928E+21	2,964580E+21	1,203325E+21	1,183503E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183775E+20
-2643	1,203333E+21	2,964406E+21	4,049702E+21	4,049842E+21	2,964658E+21	1,203509E+21	1,184241E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183827E+20
-2642	1,203352E+21	2,964521E+21	4,049724E+21	4,049675E+21	2,964389E+21	1,203276E+21	1,183817E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184272E+20
-2641	1,203428E+21	2,964398E+21	4,049447E+21	4,049411E+21	2,964300E+21	1,203304E+21	1,183817E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183721E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2640	1,203201E+21	2,964199E+21	4,049433E+21	4,049467E+21	2,964340E+21	1,203401E+21	1,184363E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184088E+20
-2639	1,203353E+21	2,964389E+21	4,049525E+21	4,049430E+21	2,964153E+21	1,203161E+21	1,183729E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184238E+20
-2638	1,203343E+21	2,964213E+21	4,049280E+21	4,049360E+21	2,964306E+21	1,203343E+21	1,184021E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183741E+20
-2637	1,203209E+21	2,964253E+21	4,049492E+21	4,049503E+21	2,964326E+21	1,203332E+21	1,184155E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184292E+20
-2636	1,203439E+21	2,964459E+21	4,049580E+21	4,049510E+21	2,964268E+21	1,203213E+21	1,183612E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183958E+20
-2635	1,203325E+21	2,964317E+21	4,049521E+21	4,049658E+21	2,964548E+21	1,203469E+21	1,184149E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183660E+20
-2634	1,203313E+21	2,964557E+21	4,049837E+21	4,049797E+21	2,964503E+21	1,203348E+21	1,183933E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184214E+20
-2633	1,203482E+21	2,964618E+21	4,049813E+21	4,049780E+21	2,964536E+21	1,203351E+21	1,183599E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183607E+20
-2632	1,203316E+21	2,964502E+21	4,049874E+21	4,049980E+21	2,964746E+21	1,203532E+21	1,184159E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183859E+20
-2631	1,203468E+21	2,964779E+21	4,050076E+21	4,050032E+21	2,964624E+21	1,203323E+21	1,183596E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184143E+20
-2630	1,203539E+21	2,964740E+21	4,049912E+21	4,049933E+21	2,964716E+21	1,203445E+21	1,183641E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183538E+20
-2629	1,203357E+21	2,964684E+21	4,050060E+21	4,050043E+21	2,964733E+21	1,203499E+21	1,184105E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184035E+20
-2628	1,203520E+21	2,964816E+21	4,050091E+21	4,049984E+21	2,964563E+21	1,203296E+21	1,183491E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183894E+20
-2627	1,203413E+21	2,964541E+21	4,049787E+21	4,049900E+21	2,964697E+21	1,203494E+21	1,184035E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183611E+20
-2626	1,203281E+21	2,964502E+21	4,049817E+21	4,049816E+21	2,964539E+21	1,203386E+21	1,184063E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184255E+20
-2625	1,203441E+21	2,964469E+21	4,049582E+21	4,049523E+21	2,964312E+21	1,203247E+21	1,183620E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183876E+20
-2624	1,203259E+21	2,964175E+21	4,049341E+21	4,049433E+21	2,964365E+21	1,203418E+21	1,184326E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183926E+20
-2623	1,203271E+21	2,964286E+21	4,049410E+21	4,049339E+21	2,964123E+21	1,203185E+21	1,183912E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184381E+20
-2622	1,203365E+21	2,964198E+21	4,049157E+21	4,049106E+21	2,964053E+21	1,203211E+21	1,183885E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183844E+20
-2621	1,203134E+21	2,963990E+21	4,049158E+21	4,049193E+21	2,964125E+21	1,203312E+21	1,184388E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184180E+20
-2620	1,203281E+21	2,964162E+21	4,049231E+21	4,049161E+21	2,963972E+21	1,203100E+21	1,183796E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184343E+20
-2619	1,203289E+21	2,964021E+21	4,049022E+21	4,049124E+21	2,964144E+21	1,203296E+21	1,184116E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183796E+20
-2618	1,203144E+21	2,964065E+21	4,049240E+21	4,049260E+21	2,964170E+21	1,203295E+21	1,184266E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184330E+20
-2617	1,203369E+21	2,964262E+21	4,049304E+21	4,049222E+21	2,964069E+21	1,203163E+21	1,183724E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183981E+20
-2616	1,203249E+21	2,964136E+21	4,049283E+21	4,049385E+21	2,964340E+21	1,203402E+21	1,184225E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183737E+20
-2615	1,203241E+21	2,964343E+21	4,049581E+21	4,049558E+21	2,964322E+21	1,203282E+21	1,183999E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184344E+20
-2614	1,203449E+21	2,964452E+21	4,049546E+21	4,049506E+21	2,964336E+21	1,203276E+21	1,183630E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183745E+20
-2613	1,203284E+21	2,964348E+21	4,049630E+21	4,049711E+21	2,964542E+21	1,203451E+21	1,184169E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183928E+20
-2612	1,203415E+21	2,964611E+21	4,049831E+21	4,049771E+21	2,964439E+21	1,203268E+21	1,183678E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184184E+20
-2611	1,203469E+21	2,964563E+21	4,049697E+21	4,049709E+21	2,964538E+21	1,203396E+21	1,183781E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183560E+20
-2610	1,203254E+21	2,964444E+21	4,049797E+21	4,049810E+21	2,964567E+21	1,203451E+21	1,184245E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184089E+20
-2609	1,203417E+21	2,964528E+21	4,049725E+21	4,049650E+21	2,964343E+21	1,203230E+21	1,183611E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183996E+20
-2608	1,203327E+21	2,964274E+21	4,049419E+21	4,049517E+21	2,964434E+21	1,203410E+21	1,184118E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183761E+20
-2607	1,203211E+21	2,964234E+21	4,049444E+21	4,049449E+21	2,964278E+21	1,203297E+21	1,184137E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184410E+20
-2606	1,203400E+21	2,964267E+21	4,049225E+21	4,049126E+21	2,964022E+21	1,203150E+21	1,183694E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184007E+20
-2605	1,203198E+21	2,963976E+21	4,049049E+21	4,049092E+21	2,964086E+21	1,203313E+21	1,184372E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183991E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2604	1,203185E+21	2,964052E+21	4,049121E+21	4,049050E+21	2,963897E+21	1,203107E+21	1,184010E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184473E+20
-2603	1,203284E+21	2,963962E+21	4,048879E+21	4,048854E+21	2,963865E+21	1,203151E+21	1,184011E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183930E+20
-2602	1,203052E+21	2,963748E+21	4,048862E+21	4,048934E+21	2,963958E+21	1,203264E+21	1,184491E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184258E+20
-2601	1,203212E+21	2,963930E+21	4,048893E+21	4,048835E+21	2,963765E+21	1,203047E+21	1,183907E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184394E+20
-2600	1,203222E+21	2,963839E+21	4,048751E+21	4,048805E+21	2,963924E+21	1,203236E+21	1,184198E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183848E+20
-2599	1,203070E+21	2,963863E+21	4,048994E+21	4,049008E+21	2,963975E+21	1,203234E+21	1,184355E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184400E+20
-2598	1,203314E+21	2,964087E+21	4,049056E+21	4,048970E+21	2,963872E+21	1,203089E+21	1,183773E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184087E+20
-2597	1,203199E+21	2,963964E+21	4,049055E+21	4,049149E+21	2,964150E+21	1,203319E+21	1,184217E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183830E+20
-2596	1,203194E+21	2,964162E+21	4,049338E+21	4,049325E+21	2,964156E+21	1,203224E+21	1,184046E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184446E+20
-2595	1,203411E+21	2,964297E+21	4,049335E+21	4,049296E+21	2,964179E+21	1,203229E+21	1,183721E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183802E+20
-2594	1,203227E+21	2,964183E+21	4,049407E+21	4,049483E+21	2,964385E+21	1,203412E+21	1,184283E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183953E+20
-2593	1,203332E+21	2,964399E+21	4,049552E+21	4,049482E+21	2,964235E+21	1,203217E+21	1,183815E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184213E+20
-2592	1,203375E+21	2,964333E+21	4,049410E+21	4,049405E+21	2,964315E+21	1,203326E+21	1,183885E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183673E+20
-2591	1,203167E+21	2,964156E+21	4,049443E+21	4,049496E+21	2,964347E+21	1,203377E+21	1,184340E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184239E+20
-2590	1,203361E+21	2,964285E+21	4,049349E+21	4,049272E+21	2,964076E+21	1,203137E+21	1,183669E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184167E+20
-2589	1,203280E+21	2,964060E+21	4,049079E+21	4,049137E+21	2,964141E+21	1,203300E+21	1,184143E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183855E+20
-2588	1,203144E+21	2,964014E+21	4,049121E+21	4,049095E+21	2,964014E+21	1,203215E+21	1,184232E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184471E+20
-2587	1,203318E+21	2,964053E+21	4,048966E+21	4,048848E+21	2,963791E+21	1,203079E+21	1,183839E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184056E+20
-2586	1,203099E+21	2,963728E+21	4,048764E+21	4,048832E+21	2,963894E+21	1,203252E+21	1,184494E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184048E+20
-2585	1,203085E+21	2,963775E+21	4,048767E+21	4,048726E+21	2,963685E+21	1,203048E+21	1,184138E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184563E+20
-2584	1,203202E+21	2,963718E+21	4,048553E+21	4,048524E+21	2,963641E+21	1,203083E+21	1,184098E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184054E+20
-2583	1,202987E+21	2,963503E+21	4,048535E+21	4,048630E+21	2,963750E+21	1,203199E+21	1,184576E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184358E+20
-2582	1,203166E+21	2,963750E+21	4,048597E+21	4,048510E+21	2,963530E+21	1,202974E+21	1,183982E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184482E+20
-2581	1,203162E+21	2,963667E+21	4,048516E+21	4,048529E+21	2,963688E+21	1,203147E+21	1,184229E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183895E+20
-2580	1,202999E+21	2,963662E+21	4,048747E+21	4,048774E+21	2,963796E+21	1,203172E+21	1,184430E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184480E+20
-2579	1,203254E+21	2,963900E+21	4,048832E+21	4,048767E+21	2,963720E+21	1,203041E+21	1,183866E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184176E+20
-2578	1,203149E+21	2,963786E+21	4,048819E+21	4,048936E+21	2,964007E+21	1,203273E+21	1,184284E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183901E+20
-2577	1,203143E+21	2,963982E+21	4,049063E+21	4,049047E+21	2,963972E+21	1,203178E+21	1,184147E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184486E+20
-2576	1,203349E+21	2,964138E+21	4,049105E+21	4,049024E+21	2,963979E+21	1,203172E+21	1,183808E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183856E+20
-2575	1,203151E+21	2,963974E+21	4,049161E+21	4,049245E+21	2,964198E+21	1,203352E+21	1,184387E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184026E+20
-2574	1,203264E+21	2,964187E+21	4,049258E+21	4,049190E+21	2,964017E+21	1,203140E+21	1,183887E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184330E+20
-2573	1,203306E+21	2,964106E+21	4,049105E+21	4,049096E+21	2,964074E+21	1,203231E+21	1,183906E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183798E+20
-2572	1,203106E+21	2,963916E+21	4,049106E+21	4,049173E+21	2,964118E+21	1,203301E+21	1,184405E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184360E+20
-2571	1,203304E+21	2,964071E+21	4,049044E+21	4,048960E+21	2,963846E+21	1,203069E+21	1,183783E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184253E+20
-2570	1,203210E+21	2,963849E+21	4,048784E+21	4,048825E+21	2,963910E+21	1,203232E+21	1,184262E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183892E+20
-2569	1,203046E+21	2,963763E+21	4,048790E+21	4,048752E+21	2,963755E+21	1,203143E+21	1,184385E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184514E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \ominus	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2568	1,203212E+21	2,963791E+21	4,048642E+21	4,048521E+21	2,963547E+21	1,203001E+21	1,183968E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184172E+20
-2567	1,203005E+21	2,963435E+21	4,048403E+21	4,048514E+21	2,963674E+21	1,203180E+21	1,184603E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184190E+20
-2566	1,203026E+21	2,963533E+21	4,048399E+21	4,048363E+21	2,963434E+21	1,202966E+21	1,184215E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184709E+20
-2565	1,203150E+21	2,963512E+21	4,048241E+21	4,048190E+21	2,963384E+21	1,202988E+21	1,184126E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184139E+20
-2564	1,202927E+21	2,963303E+21	4,048249E+21	4,048336E+21	2,963532E+21	1,203130E+21	1,184651E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184409E+20
-2563	1,203092E+21	2,963561E+21	4,048378E+21	4,048288E+21	2,963344E+21	1,202916E+21	1,184091E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184532E+20
-2562	1,203088E+21	2,963471E+21	4,048283E+21	4,048321E+21	2,963533E+21	1,203092E+21	1,184299E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183948E+20
-2561	1,202928E+21	2,963454E+21	4,048464E+21	4,048507E+21	2,963617E+21	1,203122E+21	1,184525E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184560E+20
-2560	1,203201E+21	2,963729E+21	4,048580E+21	4,048509E+21	2,963543E+21	1,202987E+21	1,183936E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184282E+20
-2559	1,203106E+21	2,963611E+21	4,048560E+21	4,048690E+21	2,963837E+21	1,203222E+21	1,184363E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183982E+20
-2558	1,203104E+21	2,963837E+21	4,048817E+21	4,048770E+21	2,963765E+21	1,203114E+21	1,184228E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184551E+20
-2557	1,203284E+21	2,963970E+21	4,048889E+21	4,048778E+21	2,963755E+21	1,203083E+21	1,183844E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183919E+20
-2556	1,203074E+21	2,963746E+21	4,048877E+21	4,048992E+21	2,964009E+21	1,203288E+21	1,184471E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184115E+20
-2555	1,203184E+21	2,963955E+21	4,048975E+21	4,048932E+21	2,963828E+21	1,203081E+21	1,183992E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184430E+20
-2554	1,203241E+21	2,963880E+21	4,048789E+21	4,048796E+21	2,963866E+21	1,203167E+21	1,184000E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183871E+20
-2553	1,203031E+21	2,963683E+21	4,048747E+21	4,048802E+21	2,963862E+21	1,203235E+21	1,184541E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184404E+20
-2552	1,203216E+21	2,963850E+21	4,048728E+21	4,048612E+21	2,963587E+21	1,202993E+21	1,183916E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184325E+20
-2551	1,203111E+21	2,963582E+21	4,048458E+21	4,048518E+21	2,963671E+21	1,203152E+21	1,184384E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183997E+20
-2550	1,202964E+21	2,963506E+21	4,048438E+21	4,048410E+21	2,963499E+21	1,203051E+21	1,184466E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184659E+20
-2549	1,203136E+21	2,963539E+21	4,048307E+21	4,048190E+21	2,963284E+21	1,202895E+21	1,183998E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184326E+20
-2548	1,202946E+21	2,963190E+21	4,048054E+21	4,048189E+21	2,963448E+21	1,203104E+21	1,184668E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184313E+20
-2547	1,202965E+21	2,963329E+21	4,048110E+21	4,048065E+21	2,963220E+21	1,202905E+21	1,184326E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184783E+20
-2546	1,203083E+21	2,963319E+21	4,047973E+21	4,047911E+21	2,963179E+21	1,202929E+21	1,184229E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184165E+20
-2545	1,202839E+21	2,963081E+21	4,047950E+21	4,048039E+21	2,963314E+21	1,203069E+21	1,184778E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184448E+20
-2544	1,203005E+21	2,963339E+21	4,048091E+21	4,048018E+21	2,963156E+21	1,202856E+21	1,184194E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184633E+20
-2543	1,203022E+21	2,963250E+21	4,047997E+21	4,048069E+21	2,963359E+21	1,203033E+21	1,184373E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184071E+20
-2542	1,202899E+21	2,963294E+21	4,048188E+21	4,048216E+21	2,963408E+21	1,203053E+21	1,184578E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184665E+20
-2541	1,203163E+21	2,963591E+21	4,048362E+21	4,048256E+21	2,963332E+21	1,202907E+21	1,183958E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184333E+20
-2540	1,203053E+21	2,963461E+21	4,048353E+21	4,048473E+21	2,963666E+21	1,203165E+21	1,184431E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184019E+20
-2539	1,203026E+21	2,963661E+21	4,048627E+21	4,048585E+21	2,963611E+21	1,203066E+21	1,184333E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184588E+20
-2538	1,203202E+21	2,963760E+21	4,048639E+21	4,048566E+21	2,963606E+21	1,203030E+21	1,183917E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183982E+20
-2537	1,202994E+21	2,963504E+21	4,048540E+21	4,048682E+21	2,963804E+21	1,203231E+21	1,184580E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184207E+20
-2536	1,203113E+21	2,963724E+21	4,048638E+21	4,048606E+21	2,963609E+21	1,203015E+21	1,184090E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184546E+20
-2535	1,203177E+21	2,963652E+21	4,048451E+21	4,048460E+21	2,963628E+21	1,203093E+21	1,184110E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,183981E+20
-2534	1,202972E+21	2,963480E+21	4,048422E+21	4,048431E+21	2,963575E+21	1,203140E+21	1,184635E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184502E+20
-2533	1,203133E+21	2,963622E+21	4,048431E+21	4,048292E+21	2,963307E+21	1,202882E+21	1,183973E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184444E+20

1 Longitude ⊙ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2532	1,203030E+21	2,963321E+21	4,048116E+21	4,048207E+21	2,963441E+21	1,203067E+21	1,184465E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184140E+20
-2531	1,202886E+21	2,963256E+21	4,048117E+21	4,048107E+21	2,963283E+21	1,202980E+21	1,184567E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184785E+20
-2530	1,203071E+21	2,963307E+21	4,047976E+21	4,047875E+21	2,963067E+21	1,202827E+21	1,184090E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184405E+20
-2529	1,202868E+21	2,962956E+21	4,047696E+21	4,047824E+21	2,963203E+21	1,203043E+21	1,184804E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184346E+20
-2528	1,202872E+21	2,963104E+21	4,047805E+21	4,047750E+21	2,962994E+21	1,202841E+21	1,184463E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184829E+20
-2527	1,202987E+21	2,963070E+21	4,047667E+21	4,047628E+21	2,962972E+21	1,202863E+21	1,184347E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184246E+20
-2526	1,202769E+21	2,962864E+21	4,047641E+21	4,047731E+21	2,963089E+21	1,202990E+21	1,184841E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184564E+20
-2525	1,202948E+21	2,963150E+21	4,047831E+21	4,047750E+21	2,962937E+21	1,202767E+21	1,184210E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184760E+20
-2524	1,202986E+21	2,963082E+21	4,047742E+21	4,047827E+21	2,963187E+21	1,202970E+21	1,184409E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184167E+20
-2523	1,202858E+21	2,963164E+21	4,048001E+21	4,048006E+21	2,963252E+21	1,203006E+21	1,184661E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184706E+20
-2522	1,203104E+21	2,963447E+21	4,048177E+21	4,048062E+21	2,963180E+21	1,202859E+21	1,184042E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184332E+20
-2521	1,202964E+21	2,963255E+21	4,048091E+21	4,048226E+21	2,963490E+21	1,203117E+21	1,184554E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184057E+20
-2520	1,202933E+21	2,963422E+21	4,048328E+21	4,048327E+21	2,963445E+21	1,203014E+21	1,184442E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184681E+20
-2519	1,203125E+21	2,963510E+21	4,048302E+21	4,048268E+21	2,963413E+21	1,202970E+21	1,184008E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184127E+20
-2518	1,202954E+21	2,963304E+21	4,048198E+21	4,048315E+21	2,963545E+21	1,203144E+21	1,184641E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184335E+20
-2517	1,203061E+21	2,963541E+21	4,048349E+21	4,048269E+21	2,963332E+21	1,202912E+21	1,184127E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184645E+20
-2516	1,203114E+21	2,963456E+21	4,048174E+21	4,048163E+21	2,963388E+21	1,203007E+21	1,184186E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184072E+20
-2515	1,202889E+21	2,963270E+21	4,048168E+21	4,048169E+21	2,963362E+21	1,203063E+21	1,184728E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184586E+20
-2514	1,203047E+21	2,963382E+21	4,048129E+21	4,048018E+21	2,963111E+21	1,202812E+21	1,184059E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184536E+20
-2513	1,202941E+21	2,963053E+21	4,047745E+21	4,047859E+21	2,963212E+21	1,203003E+21	1,184594E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184248E+20
-2512	1,202803E+21	2,962991E+21	4,047742E+21	4,047761E+21	2,963062E+21	1,202918E+21	1,184700E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184867E+20
-2511	1,202987E+21	2,963052E+21	4,047617E+21	4,047523E+21	2,962833E+21	1,202765E+21	1,184236E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184497E+20
-2510	1,202795E+21	2,962734E+21	4,047360E+21	4,047446E+21	2,962915E+21	1,202952E+21	1,184907E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184421E+20
-2509	1,202782E+21	2,962864E+21	4,047504E+21	4,047434E+21	2,962727E+21	1,202739E+21	1,184517E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184934E+20
-2508	1,202916E+21	2,962839E+21	4,047364E+21	4,047349E+21	2,962766E+21	1,202783E+21	1,184398E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184378E+20
-2507	1,202719E+21	2,962684E+21	4,047398E+21	4,047479E+21	2,962904E+21	1,202925E+21	1,184896E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184671E+20
-2506	1,202910E+21	2,962997E+21	4,047601E+21	4,047521E+21	2,962778E+21	1,202715E+21	1,184273E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184799E+20
-2505	1,202926E+21	2,962922E+21	4,047502E+21	4,047570E+21	2,963011E+21	1,202926E+21	1,184513E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184184E+20
-2504	1,202779E+21	2,962979E+21	4,047775E+21	4,047792E+21	2,963100E+21	1,202963E+21	1,184777E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184722E+20
-2503	1,203012E+21	2,963222E+21	4,047919E+21	4,047841E+21	2,963029E+21	1,202811E+21	1,184139E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184420E+20
-2502	1,202901E+21	2,963046E+21	4,047788E+21	4,047918E+21	2,963276E+21	1,203043E+21	1,184605E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184188E+20
-2501	1,202879E+21	2,963215E+21	4,048037E+21	4,048026E+21	2,963213E+21	1,202925E+21	1,184456E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184822E+20
-2500	1,203089E+21	2,963324E+21	4,048006E+21	4,047967E+21	2,963200E+21	1,202895E+21	1,184054E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184252E+20
-2499	1,202912E+21	2,963156E+21	4,047966E+21	4,048031E+21	2,963324E+21	1,203072E+21	1,184721E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184404E+20
-2498	1,202995E+21	2,963363E+21	4,048114E+21	4,048008E+21	2,963121E+21	1,202842E+21	1,184224E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184673E+20
-2497	1,203012E+21	2,963205E+21	4,047861E+21	4,047860E+21	2,963167E+21	1,202940E+21	1,184328E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184145E+20

1 Longitude ⊙ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2496	1,202785E+21	2,962985E+21	4,047813E+21	4,047862E+21	2,963164E+21	1,203002E+21	1,184866E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184675E+20
-2495	1,202951E+21	2,963089E+21	4,047741E+21	4,047666E+21	2,962887E+21	1,202750E+21	1,184204E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184669E+20
-2494	1,202871E+21	2,962799E+21	4,047350E+21	4,047438E+21	2,962922E+21	1,202918E+21	1,184706E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184356E+20
-2493	1,202723E+21	2,962748E+21	4,047404E+21	4,047386E+21	2,962765E+21	1,202817E+21	1,184770E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184951E+20
-2492	1,202903E+21	2,962808E+21	4,047293E+21	4,047194E+21	2,962579E+21	1,202676E+21	1,184321E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184597E+20
-2491	1,202714E+21	2,962515E+21	4,047089E+21	4,047162E+21	2,962690E+21	1,202866E+21	1,184965E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184524E+20
-2490	1,202717E+21	2,962653E+21	4,047231E+21	4,047170E+21	2,962533E+21	1,202667E+21	1,184570E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185023E+20
-2489	1,202852E+21	2,962628E+21	4,047070E+21	4,047062E+21	2,962571E+21	1,202725E+21	1,184485E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184473E+20
-2488	1,202666E+21	2,962499E+21	4,047129E+21	4,047230E+21	2,962746E+21	1,202879E+21	1,184993E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184717E+20
-2487	1,202847E+21	2,962818E+21	4,047352E+21	4,047273E+21	2,962617E+21	1,202678E+21	1,184398E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184854E+20
-2486	1,202863E+21	2,962748E+21	4,047259E+21	4,047293E+21	2,962800E+21	1,202860E+21	1,184593E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184249E+20
-2485	1,202703E+21	2,962766E+21	4,047524E+21	4,047544E+21	2,962895E+21	1,202882E+21	1,184811E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184818E+20
-2484	1,202950E+21	2,963006E+21	4,047636E+21	4,047583E+21	2,962850E+21	1,202744E+21	1,184177E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184557E+20
-2483	1,202863E+21	2,962884E+21	4,047545E+21	4,047647E+21	2,963077E+21	1,202973E+21	1,184646E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184302E+20
-2482	1,202846E+21	2,963062E+21	4,047794E+21	4,047758E+21	2,963019E+21	1,202864E+21	1,184523E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184856E+20
-2481	1,203022E+21	2,963147E+21	4,047749E+21	4,047677E+21	2,962987E+21	1,202838E+21	1,184181E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184284E+20
-2480	1,202823E+21	2,962935E+21	4,047697E+21	4,047778E+21	2,963137E+21	1,203014E+21	1,184857E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184424E+20
-2479	1,202886E+21	2,963093E+21	4,047799E+21	4,047732E+21	2,962936E+21	1,202788E+21	1,184366E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184774E+20
-2478	1,202926E+21	2,962939E+21	4,047500E+21	4,047496E+21	2,962908E+21	1,202855E+21	1,184421E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184297E+20
-2477	1,202709E+21	2,962708E+21	4,047443E+21	4,047495E+21	2,962888E+21	1,202905E+21	1,184917E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184816E+20
-2476	1,202887E+21	2,962839E+21	4,047371E+21	4,047298E+21	2,962630E+21	1,202665E+21	1,184282E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184811E+20
-2475	1,202811E+21	2,962600E+21	4,047051E+21	4,047078E+21	2,962646E+21	1,202829E+21	1,184796E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184448E+20
-2474	1,202649E+21	2,962524E+21	4,047108E+21	4,047072E+21	2,962516E+21	1,202731E+21	1,184857E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184995E+20
-2473	1,202805E+21	2,962544E+21	4,046956E+21	4,046871E+21	2,962343E+21	1,202601E+21	1,184441E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184697E+20
-2472	1,202633E+21	2,962256E+21	4,046754E+21	4,046872E+21	2,962497E+21	1,202800E+21	1,185061E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184612E+20
-2471	1,202649E+21	2,962423E+21	4,046915E+21	4,046877E+21	2,962346E+21	1,202618E+21	1,184692E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185137E+20
-2470	1,202804E+21	2,962448E+21	4,046784E+21	4,046739E+21	2,962338E+21	1,202656E+21	1,184568E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184550E+20
-2469	1,202606E+21	2,962324E+21	4,046898E+21	4,046964E+21	2,962525E+21	1,202804E+21	1,185045E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184760E+20
-2468	1,202776E+21	2,962627E+21	4,047119E+21	4,047047E+21	2,962443E+21	1,202617E+21	1,184466E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184923E+20
-2467	1,202796E+21	2,962575E+21	4,047047E+21	4,047071E+21	2,962627E+21	1,202796E+21	1,184634E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184343E+20
-2466	1,202653E+21	2,962579E+21	4,047280E+21	4,047315E+21	2,962732E+21	1,202825E+21	1,184857E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184882E+20
-2465	1,202889E+21	2,962802E+21	4,047352E+21	4,047309E+21	2,962667E+21	1,202695E+21	1,184271E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184641E+20
-2464	1,202813E+21	2,962699E+21	4,047276E+21	4,047392E+21	2,962905E+21	1,202924E+21	1,184754E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184337E+20
-2463	1,202776E+21	2,962874E+21	4,047535E+21	4,047483E+21	2,962823E+21	1,202819E+21	1,184675E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184907E+20
-2462	1,202940E+21	2,962932E+21	4,047466E+21	4,047362E+21	2,962736E+21	1,202757E+21	1,184291E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184369E+20
-2461	1,202733E+21	2,962676E+21	4,047386E+21	4,047475E+21	2,962891E+21	1,202920E+21	1,184912E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184548E+20

1 Longitude ⊙ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2460	1,202809E+21	2,962826E+21	4,047439E+21	4,047402E+21	2,962708E+21	1,202708E+21	1,184432E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184939E+20
-2459	1,202872E+21	2,962721E+21	4,047176E+21	4,047146E+21	2,962652E+21	1,202768E+21	1,184484E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184450E+20
-2458	1,202661E+21	2,962493E+21	4,047117E+21	4,047150E+21	2,962636E+21	1,202823E+21	1,184995E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184864E+20
-2457	1,202796E+21	2,962595E+21	4,047039E+21	4,046944E+21	2,962368E+21	1,202591E+21	1,184419E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184874E+20
-2456	1,202714E+21	2,962336E+21	4,046725E+21	4,046777E+21	2,962419E+21	1,202753E+21	1,184922E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184491E+20
-2455	1,202546E+21	2,962252E+21	4,046766E+21	4,046757E+21	2,962301E+21	1,202668E+21	1,184989E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185104E+20
-2454	1,202728E+21	2,962295E+21	4,046610E+21	4,046517E+21	2,962087E+21	1,202518E+21	1,184530E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184838E+20
-2453	1,202575E+21	2,962032E+21	4,046443E+21	4,046559E+21	2,962256E+21	1,202713E+21	1,185095E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184730E+20
-2452	1,202602E+21	2,962237E+21	4,046632E+21	4,046591E+21	2,962147E+21	1,202556E+21	1,184769E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185237E+20
-2451	1,202755E+21	2,962308E+21	4,046583E+21	4,046487E+21	2,962131E+21	1,202589E+21	1,184637E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184617E+20
-2450	1,202545E+21	2,962143E+21	4,046680E+21	4,046751E+21	2,962350E+21	1,202741E+21	1,185111E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184769E+20
-2449	1,202684E+21	2,962399E+21	4,046845E+21	4,046806E+21	2,962277E+21	1,202567E+21	1,184566E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184998E+20
-2448	1,202728E+21	2,962351E+21	4,046756E+21	4,046827E+21	2,962469E+21	1,202746E+21	1,184725E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184404E+20
-2447	1,202594E+21	2,962380E+21	4,046987E+21	4,047040E+21	2,962558E+21	1,202787E+21	1,184982E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184967E+20
-2446	1,202840E+21	2,962634E+21	4,047078E+21	4,046994E+21	2,962432E+21	1,202625E+21	1,184364E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184716E+20
-2445	1,202751E+21	2,962518E+21	4,047034E+21	4,047116E+21	2,962667E+21	1,202837E+21	1,184800E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184408E+20
-2444	1,202703E+21	2,962666E+21	4,047272E+21	4,047232E+21	2,962623E+21	1,202743E+21	1,184738E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185014E+20
-2443	1,202873E+21	2,962738E+21	4,047209E+21	4,047092E+21	2,962520E+21	1,202672E+21	1,184330E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184516E+20
-2442	1,202679E+21	2,962454E+21	4,047082E+21	4,047182E+21	2,962677E+21	1,202843E+21	1,184964E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184635E+20
-2441	1,202731E+21	2,962576E+21	4,047088E+21	4,047065E+21	2,962480E+21	1,202644E+21	1,184547E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185042E+20
-2440	1,202802E+21	2,962477E+21	4,046827E+21	4,046816E+21	2,962425E+21	1,202704E+21	1,184629E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184500E+20
-2439	1,202570E+21	2,962246E+21	4,046776E+21	4,046803E+21	2,962390E+21	1,202764E+21	1,185171E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184923E+20
-2438	1,202692E+21	2,962321E+21	4,046681E+21	4,046570E+21	2,962075E+21	1,202498E+21	1,184551E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184979E+20
-2437	1,202619E+21	2,962052E+21	4,046365E+21	4,046425E+21	2,962141E+21	1,202649E+21	1,184978E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184626E+20
-2436	1,202474E+21	2,961996E+21	4,046408E+21	4,046417E+21	2,962060E+21	1,202584E+21	1,185060E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185259E+20
-2435	1,202681E+21	2,962112E+21	4,046324E+21	4,046201E+21	2,961848E+21	1,202436E+21	1,184595E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184966E+20
-2434	1,202533E+21	2,961865E+21	4,046189E+21	4,046286E+21	2,962049E+21	1,202644E+21	1,185162E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184744E+20
-2433	1,202513E+21	2,962031E+21	4,046372E+21	4,046332E+21	2,961958E+21	1,202507E+21	1,184901E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185264E+20
-2432	1,202663E+21	2,962075E+21	4,046321E+21	4,046281E+21	2,961982E+21	1,202540E+21	1,184747E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184640E+20
-2431	1,202459E+21	2,961915E+21	4,046388E+21	4,046502E+21	2,962191E+21	1,202700E+21	1,185224E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184855E+20
-2430	1,202615E+21	2,962177E+21	4,046535E+21	4,046501E+21	2,962060E+21	1,202499E+21	1,184637E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185119E+20
-2429	1,202685E+21	2,962168E+21	4,046480E+21	4,046540E+21	2,962248E+21	1,202664E+21	1,184739E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184519E+20
-2428	1,202562E+21	2,962235E+21	4,046735E+21	4,046763E+21	2,962355E+21	1,202720E+21	1,185044E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185065E+20
-2427	1,202799E+21	2,962516E+21	4,046889E+21	4,046749E+21	2,962217E+21	1,202549E+21	1,184422E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184805E+20
-2426	1,202696E+21	2,962345E+21	4,046812E+21	4,046898E+21	2,962479E+21	1,202761E+21	1,184852E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184451E+20
-2425	1,202610E+21	2,962423E+21	4,046973E+21	4,046969E+21	2,962441E+21	1,202686E+21	1,184840E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185108E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2424	1,202796E+21	2,962485E+21	4,046882E+21	4,046819E+21	2,962335E+21	1,202615E+21	1,184444E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184600E+20
-2423	1,202607E+21	2,962218E+21	4,046727E+21	4,046845E+21	2,962462E+21	1,202795E+21	1,185122E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184717E+20
-2422	1,202646E+21	2,962333E+21	4,046732E+21	4,046680E+21	2,962198E+21	1,202564E+21	1,184685E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185116E+20
-2421	1,202709E+21	2,962222E+21	4,046490E+21	4,046457E+21	2,962133E+21	1,202603E+21	1,184717E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184591E+20
-2420	1,202476E+21	2,961979E+21	4,046421E+21	4,046462E+21	2,962130E+21	1,202669E+21	1,185255E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185054E+20
-2419	1,202616E+21	2,962091E+21	4,046357E+21	4,046232E+21	2,961812E+21	1,202398E+21	1,184607E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185152E+20
-2418	1,202565E+21	2,961824E+21	4,046041E+21	4,046110E+21	2,961904E+21	1,202558E+21	1,185019E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184726E+20
-2417	1,202404E+21	2,961767E+21	4,046083E+21	4,046105E+21	2,961845E+21	1,202521E+21	1,185165E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185356E+20
-2416	1,202617E+21	2,961902E+21	4,046034E+21	4,045930E+21	2,961656E+21	1,202383E+21	1,184736E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184995E+20
-2415	1,202447E+21	2,961653E+21	4,045907E+21	4,046013E+21	2,961860E+21	1,202602E+21	1,185320E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184778E+20
-2414	1,202411E+21	2,961782E+21	4,046065E+21	4,046037E+21	2,961736E+21	1,202435E+21	1,185009E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185345E+20
-2413	1,202582E+21	2,961829E+21	4,046002E+21	4,045982E+21	2,961762E+21	1,202457E+21	1,184777E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184766E+20
-2412	1,202411E+21	2,961714E+21	4,046078E+21	4,046203E+21	2,961988E+21	1,202629E+21	1,185263E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185001E+20
-2411	1,202592E+21	2,962055E+21	4,046301E+21	4,046222E+21	2,961845E+21	1,202424E+21	1,184672E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185237E+20
-2410	1,202660E+21	2,962055E+21	4,046286E+21	4,046308E+21	2,962055E+21	1,202592E+21	1,184775E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184532E+20
-2409	1,202488E+21	2,962069E+21	4,046530E+21	4,046551E+21	2,962186E+21	1,202668E+21	1,185147E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185098E+20
-2408	1,202714E+21	2,962304E+21	4,046653E+21	4,046567E+21	2,962078E+21	1,202501E+21	1,184534E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184834E+20
-2407	1,202608E+21	2,962117E+21	4,046520E+21	4,046647E+21	2,962320E+21	1,202722E+21	1,184985E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184539E+20
-2406	1,202523E+21	2,962163E+21	4,046625E+21	4,046638E+21	2,962212E+21	1,202618E+21	1,184948E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185214E+20
-2405	1,202725E+21	2,962240E+21	4,046527E+21	4,046464E+21	2,962082E+21	1,202531E+21	1,184514E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184727E+20
-2404	1,202544E+21	2,961998E+21	4,046379E+21	4,046474E+21	2,962195E+21	1,202712E+21	1,185227E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184835E+20
-2403	1,202574E+21	2,962127E+21	4,046428E+21	4,046331E+21	2,961911E+21	1,202463E+21	1,184767E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185243E+20
-2402	1,202634E+21	2,961982E+21	4,046169E+21	4,046136E+21	2,961870E+21	1,202497E+21	1,184774E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184683E+20
-2401	1,202381E+21	2,961703E+21	4,046055E+21	4,046120E+21	2,961889E+21	1,202587E+21	1,185347E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185178E+20
-2400	1,202541E+21	2,961828E+21	4,046007E+21	4,045927E+21	2,961600E+21	1,202332E+21	1,184734E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185243E+20
-2399	1,202495E+21	2,961605E+21	4,045713E+21	4,045785E+21	2,961689E+21	1,202506E+21	1,185169E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184799E+20
-2398	1,202315E+21	2,961531E+21	4,045762E+21	4,045764E+21	2,961594E+21	1,202451E+21	1,185299E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185404E+20
-2397	1,202523E+21	2,961661E+21	4,045733E+21	4,045629E+21	2,961424E+21	1,202303E+21	1,184810E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185076E+20
-2396	1,202365E+21	2,961420E+21	4,045593E+21	4,045717E+21	2,961651E+21	1,202527E+21	1,185380E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184898E+20
-2395	1,202353E+21	2,961589E+21	4,045785E+21	4,045745E+21	2,961518E+21	1,202353E+21	1,185037E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185492E+20
-2394	1,202548E+21	2,961658E+21	4,045743E+21	4,045720E+21	2,961563E+21	1,202377E+21	1,184783E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184846E+20
-2393	1,202366E+21	2,961554E+21	4,045832E+21	4,045948E+21	2,961811E+21	1,202575E+21	1,185335E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185072E+20
-2392	1,202545E+21	2,961905E+21	4,046102E+21	4,046023E+21	2,961694E+21	1,202385E+21	1,184802E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185243E+20
-2391	1,202587E+21	2,961893E+21	4,046083E+21	4,046102E+21	2,961902E+21	1,202555E+21	1,184916E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184562E+20
-2390	1,202391E+21	2,961835E+21	4,046255E+21	4,046295E+21	2,961996E+21	1,202606E+21	1,185253E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185165E+20
-2389	1,202629E+21	2,962055E+21	4,046333E+21	4,046271E+21	2,961876E+21	1,202427E+21	1,184584E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184963E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2388	1,202549E+21	2,961891E+21	4,046174E+21	4,046310E+21	2,962097E+21	1,202649E+21	1,185059E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184695E+20
-2387	1,202478E+21	2,961979E+21	4,046316E+21	4,046291E+21	2,961955E+21	1,202531E+21	1,185010E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185339E+20
-2386	1,202671E+21	2,962047E+21	4,046234E+21	4,046138E+21	2,961824E+21	1,202437E+21	1,184576E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184784E+20
-2385	1,202452E+21	2,961759E+21	4,046071E+21	4,046160E+21	2,961952E+21	1,202629E+21	1,185327E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184918E+20
-2384	1,202482E+21	2,961861E+21	4,046105E+21	4,046042E+21	2,961694E+21	1,202389E+21	1,184888E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185318E+20
-2383	1,202543E+21	2,961723E+21	4,045822E+21	4,045807E+21	2,961648E+21	1,202433E+21	1,184907E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184797E+20
-2382	1,202293E+21	2,961428E+21	4,045682E+21	4,045756E+21	2,961631E+21	1,202505E+21	1,185450E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185286E+20
-2381	1,202468E+21	2,961583E+21	4,045647E+21	4,045560E+21	2,961349E+21	1,202253E+21	1,184828E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185355E+20
-2380	1,202424E+21	2,961386E+21	4,045386E+21	4,045436E+21	2,961442E+21	1,202434E+21	1,185287E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184903E+20
-2379	1,202239E+21	2,961318E+21	4,045477E+21	4,045453E+21	2,961342E+21	1,202362E+21	1,185380E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185501E+20
-2378	1,202446E+21	2,961426E+21	4,045433E+21	4,045343E+21	2,961202E+21	1,202213E+21	1,184850E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185155E+20
-2377	1,202286E+21	2,961183E+21	4,045278E+21	4,045418E+21	2,961448E+21	1,202458E+21	1,185440E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185006E+20
-2376	1,202302E+21	2,961384E+21	4,045507E+21	4,045490E+21	2,961345E+21	1,202304E+21	1,185143E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185547E+20
-2375	1,202498E+21	2,961506E+21	4,045509E+21	4,045470E+21	2,961395E+21	1,202339E+21	1,184910E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184882E+20
-2374	1,202293E+21	2,961377E+21	4,045602E+21	4,045694E+21	2,961613E+21	1,202517E+21	1,185441E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185098E+20
-2373	1,202465E+21	2,961706E+21	4,045864E+21	4,045789E+21	2,961518E+21	1,202323E+21	1,184873E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185311E+20
-2372	1,202513E+21	2,961686E+21	4,045816E+21	4,045849E+21	2,961726E+21	1,202491E+21	1,184972E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184699E+20
-2371	1,202339E+21	2,961638E+21	4,045978E+21	4,046013E+21	2,961788E+21	1,202527E+21	1,185280E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185307E+20
-2370	1,202587E+21	2,961862E+21	4,046048E+21	4,045982E+21	2,961663E+21	1,202343E+21	1,184597E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185064E+20
-2369	1,202496E+21	2,961699E+21	4,045873E+21	4,045984E+21	2,961874E+21	1,202583E+21	1,185145E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184786E+20
-2368	1,202414E+21	2,961769E+21	4,046041E+21	4,046007E+21	2,961741E+21	1,202474E+21	1,185157E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185365E+20
-2367	1,202579E+21	2,961822E+21	4,045948E+21	4,045845E+21	2,961602E+21	1,202374E+21	1,184732E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184851E+20
-2366	1,202342E+21	2,961465E+21	4,045710E+21	4,045812E+21	2,961693E+21	1,202541E+21	1,185433E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185016E+20
-2365	1,202391E+21	2,961573E+21	4,045721E+21	4,045671E+21	2,961441E+21	1,202303E+21	1,184967E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185463E+20
-2364	1,202475E+21	2,961476E+21	4,045452E+21	4,045426E+21	2,961385E+21	1,202350E+21	1,185009E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184957E+20
-2363	1,202238E+21	2,961222E+21	4,045357E+21	4,045390E+21	2,961357E+21	1,202414E+21	1,185530E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185387E+20
-2362	1,202397E+21	2,961368E+21	4,045353E+21	4,045243E+21	2,961097E+21	1,202163E+21	1,184904E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185409E+20
-2361	1,202325E+21	2,961133E+21	4,045077E+21	4,045134E+21	2,961220E+21	1,202360E+21	1,185381E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184987E+20
-2360	1,202151E+21	2,961051E+21	4,045169E+21	4,045189E+21	2,961155E+21	1,202303E+21	1,185491E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185562E+20
-2359	1,202368E+21	2,961193E+21	4,045128E+21	4,045056E+21	2,961011E+21	1,202161E+21	1,184959E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185253E+20
-2358	1,202219E+21	2,960956E+21	4,044964E+21	4,045106E+21	2,961227E+21	1,202388E+21	1,185511E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185092E+20
-2357	1,202254E+21	2,961208E+21	4,045230E+21	4,045189E+21	2,961141E+21	1,202244E+21	1,185222E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185629E+20
-2356	1,202447E+21	2,961352E+21	4,045283E+21	4,045206E+21	2,961195E+21	1,202279E+21	1,185003E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184976E+20
-2355	1,202241E+21	2,961217E+21	4,045390E+21	4,045460E+21	2,961412E+21	1,202438E+21	1,185488E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185189E+20
-2354	1,202405E+21	2,961508E+21	4,045611E+21	4,045554E+21	2,961338E+21	1,202246E+21	1,184893E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185387E+20
-2353	1,202446E+21	2,961473E+21	4,045533E+21	4,045578E+21	2,961546E+21	1,202431E+21	1,185023E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184817E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \ominus	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2352	1,202292E+21	2,961434E+21	4,045703E+21	4,045753E+21	2,961608E+21	1,202481E+21	1,185393E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185346E+20
-2351	1,202521E+21	2,961679E+21	4,045782E+21	4,045694E+21	2,961464E+21	1,202299E+21	1,184741E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185099E+20
-2350	1,202404E+21	2,961468E+21	4,045582E+21	4,045669E+21	2,961628E+21	1,202508E+21	1,185267E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184826E+20
-2349	1,202319E+21	2,961515E+21	4,045714E+21	4,045680E+21	2,961506E+21	1,202397E+21	1,185257E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185449E+20
-2348	1,202488E+21	2,961559E+21	4,045600E+21	4,045503E+21	2,961357E+21	1,202291E+21	1,184829E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185012E+20
-2347	1,202278E+21	2,961221E+21	4,045365E+21	4,045457E+21	2,961423E+21	1,202440E+21	1,185481E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185169E+20
-2346	1,202332E+21	2,961336E+21	4,045377E+21	4,045325E+21	2,961184E+21	1,202208E+21	1,185017E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185573E+20
-2345	1,202404E+21	2,961246E+21	4,045123E+21	4,045077E+21	2,961138E+21	1,202277E+21	1,185118E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185067E+20
-2344	1,202160E+21	2,960977E+21	4,045059E+21	4,045094E+21	2,961130E+21	1,202353E+21	1,185683E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185412E+20
-2343	1,202292E+21	2,961111E+21	4,045042E+21	4,044945E+21	2,960881E+21	1,202102E+21	1,185058E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185480E+20
-2342	1,202217E+21	2,960832E+21	4,044704E+21	4,044786E+21	2,960971E+21	1,202278E+21	1,185476E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185086E+20
-2341	1,202077E+21	2,960788E+21	4,044793E+21	4,044829E+21	2,960921E+21	1,202230E+21	1,185564E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185684E+20
-2340	1,202317E+21	2,960993E+21	4,044813E+21	4,044724E+21	2,960779E+21	1,202090E+21	1,185047E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185391E+20
-2339	1,202188E+21	2,960810E+21	4,044722E+21	4,044817E+21	2,960993E+21	1,202305E+21	1,185554E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185171E+20
-2338	1,202205E+21	2,961060E+21	4,045031E+21	4,044967E+21	2,960947E+21	1,202169E+21	1,185267E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185671E+20
-2337	1,202374E+21	2,961171E+21	4,045070E+21	4,044998E+21	2,961034E+21	1,202220E+21	1,185059E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185051E+20
-2336	1,202176E+21	2,961012E+21	4,045161E+21	4,045267E+21	2,961275E+21	1,202398E+21	1,185578E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185222E+20
-2335	1,202334E+21	2,961312E+21	4,045361E+21	4,045326E+21	2,961187E+21	1,202207E+21	1,184993E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185451E+20
-2334	1,202375E+21	2,961250E+21	4,045226E+21	4,045279E+21	2,961337E+21	1,202371E+21	1,185113E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184886E+20
-2333	1,202234E+21	2,961232E+21	4,045392E+21	4,045427E+21	2,961394E+21	1,202425E+21	1,185506E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185408E+20
-2332	1,202445E+21	2,961473E+21	4,045499E+21	4,045382E+21	2,961224E+21	1,202229E+21	1,184868E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185210E+20
-2331	1,202334E+21	2,961245E+21	4,045285E+21	4,045357E+21	2,961365E+21	1,202406E+21	1,185323E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184949E+20
-2330	1,202246E+21	2,961269E+21	4,045383E+21	4,045360E+21	2,961256E+21	1,202295E+21	1,185290E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185572E+20
-2329	1,202416E+21	2,961310E+21	4,045254E+21	4,045161E+21	2,961113E+21	1,202207E+21	1,184897E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185169E+20
-2328	1,202221E+21	2,960989E+21	4,045046E+21	4,045142E+21	2,961196E+21	1,202376E+21	1,185607E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185228E+20
-2327	1,202250E+21	2,961115E+21	4,045073E+21	4,045006E+21	2,960956E+21	1,202151E+21	1,185179E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185622E+20
-2326	1,202293E+21	2,960963E+21	4,044780E+21	4,044736E+21	2,960877E+21	1,202199E+21	1,185258E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185134E+20
-2325	1,202060E+21	2,960686E+21	4,044676E+21	4,044739E+21	2,960891E+21	1,202278E+21	1,185791E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185504E+20
-2324	1,202197E+21	2,960832E+21	4,044670E+21	4,044586E+21	2,960630E+21	1,202022E+21	1,185158E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185648E+20
-2323	1,202166E+21	2,960604E+21	4,044364E+21	4,044433E+21	2,960700E+21	1,202175E+21	1,185500E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185230E+20
-2322	1,202039E+21	2,960605E+21	4,044492E+21	4,044509E+21	2,960677E+21	1,202140E+21	1,185599E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185771E+20
-2321	1,202266E+21	2,960833E+21	4,044569E+21	4,044451E+21	2,960575E+21	1,202029E+21	1,185137E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185467E+20
-2320	1,202129E+21	2,960648E+21	4,044539E+21	4,044625E+21	2,960826E+21	1,202257E+21	1,185674E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185170E+20
-2319	1,202118E+21	2,960865E+21	4,044815E+21	4,044776E+21	2,960805E+21	1,202131E+21	1,185395E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185701E+20
-2318	1,202276E+21	2,960920E+21	4,044777E+21	4,044747E+21	2,960858E+21	1,202164E+21	1,185140E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185125E+20
-2317	1,202114E+21	2,960788E+21	4,044830E+21	4,044964E+21	2,961093E+21	1,202347E+21	1,185663E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185302E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \ominus	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2316	1,202271E+21	2,961113E+21	4,045062E+21	4,045019E+21	2,960977E+21	1,202150E+21	1,185099E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185559E+20
-2315	1,202329E+21	2,961081E+21	4,044960E+21	4,044974E+21	2,961088E+21	1,202283E+21	1,185169E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,184971E+20
-2314	1,202172E+21	2,961044E+21	4,045130E+21	4,045149E+21	2,961156E+21	1,202333E+21	1,185556E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185481E+20
-2313	1,202365E+21	2,961253E+21	4,045216E+21	4,045107E+21	2,961012E+21	1,202150E+21	1,184930E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185343E+20
-2312	1,202269E+21	2,961017E+21	4,045001E+21	4,045091E+21	2,961162E+21	1,202335E+21	1,185405E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185041E+20
-2311	1,202175E+21	2,961044E+21	4,045077E+21	4,045068E+21	2,961050E+21	1,202233E+21	1,185394E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185664E+20
-2310	1,202334E+21	2,961053E+21	4,044897E+21	4,044812E+21	2,960865E+21	1,202132E+21	1,185016E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185266E+20
-2309	1,202147E+21	2,960746E+21	4,044677E+21	4,044768E+21	2,960949E+21	1,202313E+21	1,185758E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185292E+20
-2308	1,202145E+21	2,960850E+21	4,044730E+21	4,044657E+21	2,960693E+21	1,202076E+21	1,185339E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185741E+20
-2307	1,202205E+21	2,960682E+21	4,044407E+21	4,044373E+21	2,960591E+21	1,202093E+21	1,185337E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185267E+20
-2306	1,201983E+21	2,960417E+21	4,044295E+21	4,044373E+21	2,960617E+21	1,202173E+21	1,185829E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185631E+20
-2305	1,202131E+21	2,960597E+21	4,044321E+21	4,044232E+21	2,960378E+21	1,201938E+21	1,185226E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185790E+20
-2304	1,202118E+21	2,960420E+21	4,044097E+21	4,044146E+21	2,960483E+21	1,202110E+21	1,185599E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185265E+20
-2303	1,201972E+21	2,960445E+21	4,044277E+21	4,044272E+21	2,960493E+21	1,202090E+21	1,185728E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185786E+20
-2302	1,202169E+21	2,960610E+21	4,044317E+21	4,044217E+21	2,960390E+21	1,201971E+21	1,185253E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185501E+20
-2301	1,202045E+21	2,960422E+21	4,044245E+21	4,044376E+21	2,960672E+21	1,202210E+21	1,185767E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185227E+20
-2300	1,202032E+21	2,960637E+21	4,044526E+21	4,044512E+21	2,960628E+21	1,202078E+21	1,185488E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185829E+20
-2299	1,202228E+21	2,960717E+21	4,044479E+21	4,044455E+21	2,960639E+21	1,202080E+21	1,185155E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185254E+20
-2298	1,202081E+21	2,960623E+21	4,044542E+21	4,044664E+21	2,960870E+21	1,202265E+21	1,185688E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185397E+20
-2297	1,202222E+21	2,960955E+21	4,044814E+21	4,044738E+21	2,960765E+21	1,202083E+21	1,185171E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185659E+20
-2296	1,202274E+21	2,960913E+21	4,044752E+21	4,044748E+21	2,960891E+21	1,202216E+21	1,185266E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185019E+20
-2295	1,202093E+21	2,960843E+21	4,044878E+21	4,044910E+21	2,960971E+21	1,202269E+21	1,185657E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185550E+20
-2294	1,202271E+21	2,960988E+21	4,044878E+21	4,044801E+21	2,960795E+21	1,202079E+21	1,185027E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185450E+20
-2293	1,202203E+21	2,960776E+21	4,044631E+21	4,044742E+21	2,960941E+21	1,202273E+21	1,185523E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185133E+20
-2292	1,202092E+21	2,960806E+21	4,044735E+21	4,044716E+21	2,960805E+21	1,202169E+21	1,185545E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185767E+20
-2291	1,202257E+21	2,960817E+21	4,044564E+21	4,044457E+21	2,960584E+21	1,202037E+21	1,185118E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185366E+20
-2290	1,202060E+21	2,960492E+21	4,044324E+21	4,044415E+21	2,960672E+21	1,202212E+21	1,185839E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185381E+20
-2289	1,202042E+21	2,960566E+21	4,044362E+21	4,044309E+21	2,960442E+21	1,201988E+21	1,185423E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185879E+20
-2288	1,202127E+21	2,960425E+21	4,044076E+21	4,044048E+21	2,960346E+21	1,202008E+21	1,185423E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185369E+20
-2287	1,201912E+21	2,960189E+21	4,043972E+21	4,044053E+21	2,960386E+21	1,202098E+21	1,185921E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185709E+20
-2286	1,202051E+21	2,960361E+21	4,043989E+21	4,043901E+21	2,960145E+21	1,201871E+21	1,185348E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185866E+20
-2285	1,202053E+21	2,960224E+21	4,043798E+21	4,043840E+21	2,960277E+21	1,202056E+21	1,185732E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185307E+20
-2284	1,201878E+21	2,960226E+21	4,044014E+21	4,044013E+21	2,960296E+21	1,202032E+21	1,185863E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185882E+20
-2283	1,202095E+21	2,960378E+21	4,044021E+21	4,043947E+21	2,960182E+21	1,201887E+21	1,185296E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185621E+20
-2282	1,201990E+21	2,960211E+21	4,043932E+21	4,044082E+21	2,960461E+21	1,202125E+21	1,185774E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185348E+20
-2281	1,201983E+21	2,960447E+21	4,044239E+21	4,044227E+21	2,960433E+21	1,202012E+21	1,185528E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185947E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2280	1,202192E+21	2,960576E+21	4,044264E+21	4,044208E+21	2,960450E+21	1,202022E+21	1,185227E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185295E+20
-2279	1,202026E+21	2,960486E+21	4,044349E+21	4,044441E+21	2,960691E+21	1,202211E+21	1,185787E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185420E+20
-2278	1,202133E+21	2,960741E+21	4,044558E+21	4,044495E+21	2,960579E+21	1,202025E+21	1,185280E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185717E+20
-2277	1,202198E+21	2,960695E+21	4,044448E+21	4,044474E+21	2,960717E+21	1,202161E+21	1,185367E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185097E+20
-2276	1,202009E+21	2,960609E+21	4,044573E+21	4,044619E+21	2,960768E+21	1,202207E+21	1,185763E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185683E+20
-2275	1,202213E+21	2,960756E+21	4,044536E+21	4,044467E+21	2,960548E+21	1,201989E+21	1,185088E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185576E+20
-2274	1,202145E+21	2,960565E+21	4,044291E+21	4,044385E+21	2,960678E+21	1,202184E+21	1,185601E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185237E+20
-2273	1,202010E+21	2,960575E+21	4,044418E+21	4,044376E+21	2,960548E+21	1,202090E+21	1,185659E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185863E+20
-2272	1,202165E+21	2,960567E+21	4,044260E+21	4,044146E+21	2,960336E+21	1,201955E+21	1,185242E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185450E+20
-2271	1,201963E+21	2,960224E+21	4,043976E+21	4,044084E+21	2,960432E+21	1,202128E+21	1,185938E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185476E+20
-2270	1,201942E+21	2,960258E+21	4,043951E+21	4,043925E+21	2,960179E+21	1,201904E+21	1,185525E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186002E+20
-2269	1,202061E+21	2,960175E+21	4,043681E+21	4,043665E+21	2,960098E+21	1,201935E+21	1,185541E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185458E+20
-2268	1,201833E+21	2,959969E+21	4,043659E+21	4,043716E+21	2,960140E+21	1,202027E+21	1,186052E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185806E+20
-2267	1,201981E+21	2,960146E+21	4,043698E+21	4,043595E+21	2,959896E+21	1,201783E+21	1,185437E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185956E+20
-2266	1,201978E+21	2,960012E+21	4,043516E+21	4,043562E+21	2,960056E+21	1,201969E+21	1,185775E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185407E+20
-2265	1,201802E+21	2,960002E+21	4,043731E+21	4,043748E+21	2,960110E+21	1,201964E+21	1,185908E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186003E+20
-2264	1,202040E+21	2,960185E+21	4,043774E+21	4,043702E+21	2,960005E+21	1,201824E+21	1,185342E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185710E+20
-2263	1,201945E+21	2,960049E+21	4,043682E+21	4,043826E+21	2,960286E+21	1,202069E+21	1,185831E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185402E+20
-2262	1,201919E+21	2,960255E+21	4,043963E+21	4,043946E+21	2,960246E+21	1,201965E+21	1,185640E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185989E+20
-2261	1,202132E+21	2,960406E+21	4,044012E+21	4,043946E+21	2,960271E+21	1,201977E+21	1,185366E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185318E+20
-2260	1,201936E+21	2,960278E+21	4,044108E+21	4,044200E+21	2,960503E+21	1,202155E+21	1,185919E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185509E+20
-2259	1,202058E+21	2,960506E+21	4,044258E+21	4,044213E+21	2,960366E+21	1,201944E+21	1,185345E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185835E+20
-2258	1,202140E+21	2,960480E+21	4,044125E+21	4,044149E+21	2,960479E+21	1,202071E+21	1,185401E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185229E+20
-2257	1,201950E+21	2,960393E+21	4,044255E+21	4,044295E+21	2,960542E+21	1,202132E+21	1,185830E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185789E+20
-2256	1,202151E+21	2,960566E+21	4,044272E+21	4,044168E+21	2,960320E+21	1,201916E+21	1,185186E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185643E+20
-2255	1,202064E+21	2,960352E+21	4,044011E+21	4,044084E+21	2,960447E+21	1,202110E+21	1,185719E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185290E+20
-2254	1,201895E+21	2,960271E+21	4,044052E+21	4,044042E+21	2,960312E+21	1,202016E+21	1,185785E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185949E+20
-2253	1,202071E+21	2,960278E+21	4,043860E+21	4,043779E+21	2,960099E+21	1,201882E+21	1,185369E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185561E+20
-2252	1,201870E+21	2,959943E+21	4,043600E+21	4,043711E+21	2,960167E+21	1,202043E+21	1,186041E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185630E+20
-2251	1,201881E+21	2,960004E+21	4,043571E+21	4,043536E+21	2,959894E+21	1,201803E+21	1,185593E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186139E+20
-2250	1,202008E+21	2,959975E+21	4,043354E+21	4,043296E+21	2,959818E+21	1,201838E+21	1,185607E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185571E+20
-2249	1,201763E+21	2,959765E+21	4,043386E+21	4,043420E+21	2,959906E+21	1,201948E+21	1,186137E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185895E+20
-2248	1,201904E+21	2,959938E+21	4,043456E+21	4,043351E+21	2,959702E+21	1,201714E+21	1,185532E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186036E+20
-2247	1,201901E+21	2,959794E+21	4,043244E+21	4,043307E+21	2,959878E+21	1,201907E+21	1,185843E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185481E+20
-2246	1,201721E+21	2,959746E+21	4,043401E+21	4,043450E+21	2,959920E+21	1,201911E+21	1,185999E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186074E+20
-2245	1,201983E+21	2,959985E+21	4,043462E+21	4,043403E+21	2,959824E+21	1,201781E+21	1,185460E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185747E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2244	1,201874E+21	2,959874E+21	4,043443E+21	4,043555E+21	2,960088E+21	1,202018E+21	1,185953E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185465E+20
-2243	1,201857E+21	2,960063E+21	4,043710E+21	4,043677E+21	2,960031E+21	1,201892E+21	1,185729E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186053E+20
-2242	1,202065E+21	2,960214E+21	4,043756E+21	4,043685E+21	2,960063E+21	1,201896E+21	1,185406E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185424E+20
-2241	1,201872E+21	2,960074E+21	4,043848E+21	4,043944E+21	2,960312E+21	1,202079E+21	1,185948E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185637E+20
-2240	1,202007E+21	2,960318E+21	4,044008E+21	4,043954E+21	2,960174E+21	1,201874E+21	1,185392E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185941E+20
-2239	1,202091E+21	2,960302E+21	4,043859E+21	4,043869E+21	2,960281E+21	1,202004E+21	1,185462E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185311E+20
-2238	1,201875E+21	2,960160E+21	4,043935E+21	4,043968E+21	2,960320E+21	1,202075E+21	1,185959E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185840E+20
-2237	1,202064E+21	2,960327E+21	4,043945E+21	4,043846E+21	2,960098E+21	1,201857E+21	1,185350E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185696E+20
-2236	1,201953E+21	2,960072E+21	4,043673E+21	4,043751E+21	2,960199E+21	1,202034E+21	1,185864E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185419E+20
-2235	1,201808E+21	2,959964E+21	4,043638E+21	4,043646E+21	2,960028E+21	1,201915E+21	1,185864E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186092E+20
-2234	1,202003E+21	2,960015E+21	4,043462E+21	4,043365E+21	2,959793E+21	1,201774E+21	1,185424E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185722E+20
-2233	1,201810E+21	2,959713E+21	4,043255E+21	4,043338E+21	2,959888E+21	1,201947E+21	1,186102E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185745E+20
-2232	1,201818E+21	2,959816E+21	4,043308E+21	4,043224E+21	2,959647E+21	1,201724E+21	1,185700E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186209E+20
-2231	1,201928E+21	2,959772E+21	4,043104E+21	4,043028E+21	2,959603E+21	1,201766E+21	1,185712E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185621E+20
-2230	1,201657E+21	2,959486E+21	4,043062E+21	4,043138E+21	2,959715E+21	1,201891E+21	1,186255E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185950E+20
-2229	1,201816E+21	2,959680E+21	4,043116E+21	4,043060E+21	2,959526E+21	1,201667E+21	1,185664E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186105E+20
-2228	1,201815E+21	2,959546E+21	4,042929E+21	4,043006E+21	2,959674E+21	1,201850E+21	1,185949E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185590E+20
-2227	1,201667E+21	2,959519E+21	4,043069E+21	4,043121E+21	2,959691E+21	1,201839E+21	1,186075E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186157E+20
-2226	1,201934E+21	2,959817E+21	4,043192E+21	4,043087E+21	2,959580E+21	1,201703E+21	1,185522E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185838E+20
-2225	1,201817E+21	2,959703E+21	4,043220E+21	4,043305E+21	2,959878E+21	1,201941E+21	1,186004E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185554E+20
-2224	1,201801E+21	2,959896E+21	4,043506E+21	4,043463E+21	2,959852E+21	1,201823E+21	1,185785E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186151E+20
-2223	1,202012E+21	2,960036E+21	4,043518E+21	4,043451E+21	2,959889E+21	1,201827E+21	1,185439E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185515E+20
-2222	1,201809E+21	2,959850E+21	4,043544E+21	4,043662E+21	2,960127E+21	1,202025E+21	1,186027E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185705E+20
-2221	1,201949E+21	2,960122E+21	4,043709E+21	4,043665E+21	2,959990E+21	1,201830E+21	1,185527E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185968E+20
-2220	1,202002E+21	2,960089E+21	4,043592E+21	4,043578E+21	2,960062E+21	1,201948E+21	1,185609E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185391E+20
-2219	1,201789E+21	2,959896E+21	4,043599E+21	4,043639E+21	2,960071E+21	1,201994E+21	1,186071E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185919E+20
-2218	1,201973E+21	2,960062E+21	4,043588E+21	4,043486E+21	2,959828E+21	1,201762E+21	1,185417E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185844E+20
-2217	1,201877E+21	2,959807E+21	4,043315E+21	4,043392E+21	2,959930E+21	1,201933E+21	1,185909E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185576E+20
-2216	1,201750E+21	2,959738E+21	4,043308E+21	4,043295E+21	2,959762E+21	1,201820E+21	1,185925E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186219E+20
-2215	1,201946E+21	2,959810E+21	4,043149E+21	4,043027E+21	2,959540E+21	1,201687E+21	1,185508E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185808E+20
-2214	1,201726E+21	2,959468E+21	4,042929E+21	4,043001E+21	2,959645E+21	1,201881E+21	1,186240E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185792E+20
-2213	1,201722E+21	2,959563E+21	4,042988E+21	4,042928E+21	2,959439E+21	1,201671E+21	1,185886E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186250E+20
-2212	1,201811E+21	2,959488E+21	4,042784E+21	4,042737E+21	2,959393E+21	1,201705E+21	1,185860E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185745E+20
-2211	1,201576E+21	2,959189E+21	4,042665E+21	4,042778E+21	2,959472E+21	1,201810E+21	1,186335E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186059E+20
-2210	1,201749E+21	2,959440E+21	4,042753E+21	4,042690E+21	2,959263E+21	1,201581E+21	1,185712E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186237E+20
-2209	1,201766E+21	2,959357E+21	4,042640E+21	4,042688E+21	2,959430E+21	1,201764E+21	1,185982E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185686E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2208	1,201624E+21	2,959379E+21	4,042854E+21	4,042858E+21	2,959473E+21	1,201766E+21	1,186144E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186222E+20
-2207	1,201878E+21	2,959665E+21	4,042998E+21	4,042879E+21	2,959401E+21	1,201635E+21	1,185578E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185892E+20
-2206	1,201743E+21	2,959496E+21	4,042968E+21	4,043081E+21	2,959719E+21	1,201887E+21	1,186072E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185619E+20
-2205	1,201739E+21	2,959698E+21	4,043238E+21	4,043234E+21	2,959707E+21	1,201783E+21	1,185896E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186206E+20
-2204	1,201939E+21	2,959832E+21	4,043260E+21	4,043204E+21	2,959714E+21	1,201778E+21	1,185538E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185620E+20
-2203	1,201756E+21	2,959634E+21	4,043220E+21	4,043343E+21	2,959907E+21	1,201960E+21	1,186124E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185765E+20
-2202	1,201877E+21	2,959921E+21	4,043417E+21	4,043336E+21	2,959736E+21	1,201754E+21	1,185624E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186054E+20
-2201	1,201919E+21	2,959855E+21	4,043299E+21	4,043277E+21	2,959813E+21	1,201859E+21	1,185694E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185506E+20
-2200	1,201714E+21	2,959660E+21	4,043282E+21	4,043324E+21	2,959826E+21	1,201907E+21	1,186153E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186046E+20
-2199	1,201902E+21	2,959818E+21	4,043245E+21	4,043145E+21	2,959576E+21	1,201670E+21	1,185479E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185968E+20
-2198	1,201802E+21	2,959539E+21	4,042934E+21	4,043020E+21	2,959671E+21	1,201852E+21	1,186003E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185666E+20
-2197	1,201679E+21	2,959507E+21	4,042963E+21	4,042955E+21	2,959525E+21	1,201756E+21	1,186085E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186260E+20
-2196	1,201842E+21	2,959563E+21	4,042847E+21	4,042714E+21	2,959297E+21	1,201621E+21	1,185681E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185898E+20
-2195	1,201627E+21	2,959176E+21	4,042561E+21	4,042661E+21	2,959395E+21	1,201800E+21	1,186365E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185871E+20
-2194	1,201623E+21	2,959287E+21	4,042625E+21	4,042571E+21	2,959177E+21	1,201584E+21	1,185967E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186396E+20
-2193	1,201734E+21	2,959221E+21	4,042429E+21	4,042396E+21	2,959141E+21	1,201613E+21	1,185900E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185900E+20
-2192	1,201532E+21	2,958988E+21	4,042346E+21	4,042452E+21	2,959233E+21	1,201724E+21	1,186371E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186178E+20
-2191	1,201708E+21	2,959275E+21	4,042481E+21	4,042389E+21	2,959039E+21	1,201503E+21	1,185763E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186305E+20
-2190	1,201703E+21	2,959174E+21	4,042385E+21	4,042417E+21	2,959225E+21	1,201703E+21	1,186074E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185718E+20
-2189	1,201554E+21	2,959197E+21	4,042624E+21	4,042649E+21	2,959313E+21	1,201721E+21	1,186290E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186246E+20
-2188	1,201787E+21	2,959452E+21	4,042761E+21	4,042672E+21	2,959247E+21	1,201589E+21	1,185698E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185992E+20
-2187	1,201681E+21	2,959267E+21	4,042653E+21	4,042799E+21	2,959527E+21	1,201825E+21	1,186144E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185704E+20
-2186	1,201682E+21	2,959507E+21	4,042944E+21	4,042924E+21	2,959486E+21	1,201716E+21	1,185957E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186303E+20
-2185	1,201882E+21	2,959652E+21	4,042998E+21	4,042923E+21	2,959494E+21	1,201702E+21	1,185593E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185710E+20
-2184	1,201702E+21	2,959468E+21	4,042970E+21	4,043069E+21	2,959685E+21	1,201885E+21	1,186208E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185842E+20
-2183	1,201799E+21	2,959708E+21	4,043144E+21	4,043071E+21	2,959524E+21	1,201673E+21	1,185690E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186135E+20
-2182	1,201830E+21	2,959591E+21	4,042959E+21	4,042966E+21	2,959592E+21	1,201784E+21	1,185780E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185613E+20
-2181	1,201640E+21	2,959406E+21	4,042928E+21	4,043002E+21	2,959604E+21	1,201840E+21	1,186283E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186128E+20
-2180	1,201816E+21	2,959568E+21	4,042904E+21	4,042813E+21	2,959337E+21	1,201601E+21	1,185610E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186100E+20
-2179	1,201734E+21	2,959289E+21	4,042551E+21	4,042627E+21	2,959391E+21	1,201767E+21	1,186123E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185748E+20
-2178	1,201590E+21	2,959267E+21	4,042624E+21	4,042579E+21	2,959233E+21	1,201667E+21	1,186200E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186365E+20
-2177	1,201746E+21	2,959293E+21	4,042515E+21	4,042394E+21	2,959035E+21	1,201523E+21	1,185771E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186044E+20
-2176	1,201553E+21	2,958923E+21	4,042203E+21	4,042320E+21	2,959144E+21	1,201708E+21	1,186435E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186013E+20
-2175	1,201551E+21	2,959037E+21	4,042272E+21	4,042228E+21	2,958931E+21	1,201495E+21	1,186019E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186503E+20
-2174	1,201664E+21	2,958978E+21	4,042074E+21	4,042047E+21	2,958901E+21	1,201540E+21	1,185985E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185968E+20
-2173	1,201468E+21	2,958794E+21	4,042055E+21	4,042157E+21	2,959023E+21	1,201671E+21	1,186518E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186186E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2172	1,201615E+21	2,959076E+21	4,042244E+21	4,042147E+21	2,958850E+21	1,201454E+21	1,185915E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186368E+20
-2171	1,201622E+21	2,958947E+21	4,042095E+21	4,042152E+21	2,959031E+21	1,201637E+21	1,186166E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185778E+20
-2170	1,201479E+21	2,958993E+21	4,042350E+21	4,042375E+21	2,959113E+21	1,201653E+21	1,186349E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186365E+20
-2169	1,201727E+21	2,959248E+21	4,042494E+21	4,042424E+21	2,959057E+21	1,201515E+21	1,185727E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186123E+20
-2168	1,201649E+21	2,959114E+21	4,042391E+21	4,042531E+21	2,959332E+21	1,201754E+21	1,186180E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185808E+20
-2167	1,201635E+21	2,959351E+21	4,042701E+21	4,042658E+21	2,959286E+21	1,201648E+21	1,186014E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186351E+20
-2166	1,201804E+21	2,959448E+21	4,042730E+21	4,042651E+21	2,959293E+21	1,201642E+21	1,185695E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185765E+20
-2165	1,201623E+21	2,959246E+21	4,042684E+21	4,042814E+21	2,959498E+21	1,201830E+21	1,186356E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185901E+20
-2164	1,201701E+21	2,959450E+21	4,042820E+21	4,042779E+21	2,959320E+21	1,201612E+21	1,185817E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186266E+20
-2163	1,201759E+21	2,959320E+21	4,042560E+21	4,042587E+21	2,959331E+21	1,201698E+21	1,185869E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185725E+20
-2162	1,201572E+21	2,959183E+21	4,042575E+21	4,042609E+21	2,959313E+21	1,201746E+21	1,186357E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186244E+20
-2161	1,201741E+21	2,959342E+21	4,042585E+21	4,042468E+21	2,959062E+21	1,201505E+21	1,185700E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186213E+20
-2160	1,201662E+21	2,959079E+21	4,042247E+21	4,042303E+21	2,959130E+21	1,201675E+21	1,186218E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185859E+20
-2159	1,201500E+21	2,959015E+21	4,042303E+21	4,042269E+21	2,958996E+21	1,201578E+21	1,186274E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186455E+20
-2158	1,201647E+21	2,959002E+21	4,042141E+21	4,042055E+21	2,958806E+21	1,201448E+21	1,185867E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186161E+20
-2157	1,201476E+21	2,958661E+21	4,041838E+21	4,041990E+21	2,958922E+21	1,201644E+21	1,186564E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186086E+20
-2156	1,201464E+21	2,958786E+21	4,041931E+21	4,041901E+21	2,958707E+21	1,201433E+21	1,186151E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186599E+20
-2155	1,201593E+21	2,958744E+21	4,041725E+21	4,041684E+21	2,958644E+21	1,201465E+21	1,186102E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186022E+20
-2154	1,201388E+21	2,958593E+21	4,041779E+21	4,041837E+21	2,958767E+21	1,201590E+21	1,186612E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186275E+20
-2153	1,201535E+21	2,958855E+21	4,041981E+21	4,041896E+21	2,958645E+21	1,201375E+21	1,185989E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186500E+20
-2152	1,201575E+21	2,958765E+21	4,041823E+21	4,041887E+21	2,958837E+21	1,201559E+21	1,186196E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185918E+20
-2151	1,201437E+21	2,958815E+21	4,042086E+21	4,042114E+21	2,958926E+21	1,201580E+21	1,186365E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186451E+20
-2150	1,201675E+21	2,959066E+21	4,042225E+21	4,042158E+21	2,958878E+21	1,201457E+21	1,185787E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186178E+20
-2149	1,201593E+21	2,958948E+21	4,042152E+21	4,042289E+21	2,959159E+21	1,201711E+21	1,186316E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185813E+20
-2148	1,201539E+21	2,959138E+21	4,042461E+21	4,042431E+21	2,959117E+21	1,201603E+21	1,186157E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186405E+20
-2147	1,201715E+21	2,959197E+21	4,042401E+21	4,042344E+21	2,959079E+21	1,201573E+21	1,185796E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185847E+20
-2146	1,201543E+21	2,959012E+21	4,042354E+21	4,042464E+21	2,959249E+21	1,201747E+21	1,186421E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186039E+20
-2145	1,201634E+21	2,959211E+21	4,042490E+21	4,042451E+21	2,959074E+21	1,201521E+21	1,185868E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186423E+20
-2144	1,201720E+21	2,959135E+21	4,042236E+21	4,042235E+21	2,959068E+21	1,201603E+21	1,185927E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185855E+20
-2143	1,201512E+21	2,958987E+21	4,042281E+21	4,042278E+21	2,959056E+21	1,201655E+21	1,186428E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186300E+20
-2142	1,201643E+21	2,959089E+21	4,042270E+21	4,042156E+21	2,958825E+21	1,201430E+21	1,185832E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186288E+20
-2141	1,201560E+21	2,958799E+21	4,041908E+21	4,042004E+21	2,958914E+21	1,201613E+21	1,186392E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185935E+20
-2140	1,201385E+21	2,958702E+21	4,041924E+21	4,041936E+21	2,958777E+21	1,201516E+21	1,186422E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186574E+20
-2139	1,201558E+21	2,958695E+21	4,041700E+21	4,041634E+21	2,958530E+21	1,201366E+21	1,185983E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186270E+20
-2138	1,201401E+21	2,958422E+21	4,041464E+21	4,041571E+21	2,958625E+21	1,201552E+21	1,186647E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186190E+20
-2137	1,201388E+21	2,958558E+21	4,041618E+21	4,041562E+21	2,958442E+21	1,201342E+21	1,186240E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186707E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2136	1,201533E+21	2,958557E+21	4,041452E+21	4,041391E+21	2,958404E+21	1,201373E+21	1,186163E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186137E+20
-2135	1,201324E+21	2,958398E+21	4,041528E+21	4,041586E+21	2,958567E+21	1,201505E+21	1,186634E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186365E+20
-2134	1,201467E+21	2,958639E+21	4,041705E+21	4,041646E+21	2,958477E+21	1,201318E+21	1,186051E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186599E+20
-2133	1,201524E+21	2,958581E+21	4,041575E+21	4,041662E+21	2,958685E+21	1,201516E+21	1,186291E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185975E+20
-2132	1,201373E+21	2,958629E+21	4,041836E+21	4,041872E+21	2,958771E+21	1,201543E+21	1,186480E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186493E+20
-2131	1,201603E+21	2,958862E+21	4,041935E+21	4,041856E+21	2,958672E+21	1,201404E+21	1,185901E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186204E+20
-2130	1,201512E+21	2,958755E+21	4,041895E+21	4,041990E+21	2,958930E+21	1,201639E+21	1,186407E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185898E+20
-2129	1,201457E+21	2,958895E+21	4,042167E+21	4,042154E+21	2,958907E+21	1,201526E+21	1,186235E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186540E+20
-2128	1,201665E+21	2,958991E+21	4,042085E+21	4,042024E+21	2,958845E+21	1,201485E+21	1,185838E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186005E+20
-2127	1,201499E+21	2,958816E+21	4,042054E+21	4,042141E+21	2,959002E+21	1,201651E+21	1,186440E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186134E+20
-2126	1,201571E+21	2,959003E+21	4,042186E+21	4,042128E+21	2,958844E+21	1,201449E+21	1,185958E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186491E+20
-2125	1,201644E+21	2,958928E+21	4,041969E+21	4,041954E+21	2,958851E+21	1,201542E+21	1,186085E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185895E+20
-2124	1,201400E+21	2,958718E+21	4,041977E+21	4,042000E+21	2,958854E+21	1,201596E+21	1,186584E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186366E+20
-2123	1,201530E+21	2,958773E+21	4,041867E+21	4,041790E+21	2,958581E+21	1,201355E+21	1,185964E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186398E+20
-2122	1,201464E+21	2,958508E+21	4,041510E+21	4,041590E+21	2,958629E+21	1,201523E+21	1,186485E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186094E+20
-2121	1,201306E+21	2,958408E+21	4,041524E+21	4,041548E+21	2,958498E+21	1,201420E+21	1,186496E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186733E+20
-2120	1,201511E+21	2,958481E+21	4,041333E+21	4,041232E+21	2,958236E+21	1,201265E+21	1,186048E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186414E+20
-2119	1,201345E+21	2,958226E+21	4,041171E+21	4,041226E+21	2,958347E+21	1,201448E+21	1,186689E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186260E+20
-2118	1,201310E+21	2,958338E+21	4,041341E+21	4,041280E+21	2,958221E+21	1,201268E+21	1,186340E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186793E+20
-2117	1,201459E+21	2,958336E+21	4,041190E+21	4,041155E+21	2,958228E+21	1,201318E+21	1,186292E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186205E+20
-2116	1,201242E+21	2,958165E+21	4,041248E+21	4,041343E+21	2,958410E+21	1,201461E+21	1,186742E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186436E+20
-2115	1,201399E+21	2,958412E+21	4,041378E+21	4,041333E+21	2,958277E+21	1,201265E+21	1,186154E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186647E+20
-2114	1,201456E+21	2,958399E+21	4,041302E+21	4,041341E+21	2,958462E+21	1,201455E+21	1,186374E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186031E+20
-2113	1,201298E+21	2,958420E+21	4,041582E+21	4,041610E+21	2,958569E+21	1,201479E+21	1,186575E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186560E+20
-2112	1,201540E+21	2,958673E+21	4,041673E+21	4,041586E+21	2,958461E+21	1,201327E+21	1,185960E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186311E+20
-2111	1,201451E+21	2,958556E+21	4,041632E+21	4,041721E+21	2,958718E+21	1,201550E+21	1,186418E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,185998E+20
-2110	1,201396E+21	2,958678E+21	4,041875E+21	4,041872E+21	2,958708E+21	1,201459E+21	1,186295E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186652E+20
-2109	1,201615E+21	2,958793E+21	4,041815E+21	4,041760E+21	2,958649E+21	1,201424E+21	1,185943E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186083E+20
-2108	1,201431E+21	2,958610E+21	4,041776E+21	4,041859E+21	2,958805E+21	1,201596E+21	1,186562E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186186E+20
-2107	1,201482E+21	2,958759E+21	4,041855E+21	4,041783E+21	2,958599E+21	1,201384E+21	1,186105E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186542E+20
-2106	1,201542E+21	2,958670E+21	4,041642E+21	4,041602E+21	2,958590E+21	1,201461E+21	1,186210E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186022E+20
-2105	1,201302E+21	2,958403E+21	4,041589E+21	4,041650E+21	2,958604E+21	1,201510E+21	1,186688E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186524E+20
-2104	1,201462E+21	2,958500E+21	4,041457E+21	4,041382E+21	2,958293E+21	1,201254E+21	1,186030E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186584E+20
-2103	1,201408E+21	2,958267E+21	4,041140E+21	4,041187E+21	2,958324E+21	1,201409E+21	1,186514E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186205E+20
-2102	1,201239E+21	2,958174E+21	4,041176E+21	4,041174E+21	2,958226E+21	1,201336E+21	1,186593E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186802E+20
-2101	1,201431E+21	2,958265E+21	4,041063E+21	4,040945E+21	2,958002E+21	1,201197E+21	1,186202E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186457E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2100	1,201247E+21	2,957987E+21	4,040897E+21	4,040973E+21	2,958155E+21	1,201388E+21	1,186812E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186309E+20
-2099	1,201212E+21	2,958069E+21	4,040999E+21	4,040968E+21	2,958017E+21	1,201211E+21	1,186466E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186872E+20
-2098	1,201378E+21	2,958106E+21	4,040886E+21	4,040843E+21	2,958013E+21	1,201252E+21	1,186368E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186326E+20
-2097	1,201181E+21	2,957932E+21	4,040937E+21	4,041055E+21	2,958209E+21	1,201395E+21	1,186814E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186534E+20
-2096	1,201356E+21	2,958241E+21	4,041092E+21	4,041023E+21	2,958054E+21	1,201193E+21	1,186217E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186737E+20
-2095	1,201401E+21	2,958233E+21	4,041073E+21	4,041069E+21	2,958230E+21	1,201369E+21	1,186406E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186083E+20
-2094	1,201226E+21	2,958212E+21	4,041324E+21	4,041365E+21	2,958381E+21	1,201417E+21	1,186658E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186641E+20
-2093	1,201473E+21	2,958465E+21	4,041423E+21	4,041361E+21	2,958292E+21	1,201274E+21	1,186065E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186405E+20
-2092	1,201390E+21	2,958346E+21	4,041353E+21	4,041465E+21	2,958542E+21	1,201494E+21	1,186494E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186088E+20
-2091	1,201337E+21	2,958463E+21	4,041546E+21	4,041541E+21	2,958484E+21	1,201397E+21	1,186400E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186715E+20
-2090	1,201546E+21	2,958604E+21	4,041534E+21	4,041427E+21	2,958403E+21	1,201352E+21	1,186044E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186163E+20
-2089	1,201345E+21	2,958368E+21	4,041481E+21	4,041565E+21	2,958574E+21	1,201522E+21	1,186680E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186273E+20
-2088	1,201400E+21	2,958514E+21	4,041521E+21	4,041452E+21	2,958349E+21	1,201296E+21	1,186193E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186676E+20
-2087	1,201460E+21	2,958406E+21	4,041293E+21	4,041253E+21	2,958322E+21	1,201358E+21	1,186254E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186161E+20
-2086	1,201228E+21	2,958127E+21	4,041205E+21	4,041286E+21	2,958350E+21	1,201429E+21	1,186770E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186653E+20
-2085	1,201394E+21	2,958252E+21	4,041110E+21	4,041034E+21	2,958038E+21	1,201179E+21	1,186162E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186673E+20
-2084	1,201329E+21	2,958029E+21	4,040808E+21	4,040844E+21	2,958075E+21	1,201336E+21	1,186644E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186246E+20
-2083	1,201139E+21	2,957915E+21	4,040829E+21	4,040810E+21	2,957953E+21	1,201260E+21	1,186752E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186843E+20
-2082	1,201324E+21	2,958004E+21	4,040738E+21	4,040611E+21	2,957751E+21	1,201119E+21	1,186337E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186566E+20
-2081	1,201152E+21	2,957699E+21	4,040547E+21	4,040668E+21	2,957940E+21	1,201314E+21	1,186910E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186445E+20
-2080	1,201155E+21	2,957839E+21	4,040649E+21	4,040623E+21	2,957778E+21	1,201132E+21	1,186533E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187018E+20
-2079	1,201330E+21	2,957911E+21	4,040591E+21	4,040527E+21	2,957770E+21	1,201161E+21	1,186384E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186410E+20
-2078	1,201127E+21	2,957746E+21	4,040664E+21	4,040774E+21	2,958004E+21	1,201331E+21	1,186885E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186583E+20
-2077	1,201283E+21	2,958056E+21	4,040878E+21	4,040809E+21	2,957875E+21	1,201139E+21	1,186330E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186776E+20
-2076	1,201321E+21	2,958031E+21	4,040837E+21	4,040860E+21	2,958072E+21	1,201314E+21	1,186485E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186138E+20
-2075	1,201151E+21	2,957989E+21	4,041018E+21	4,041077E+21	2,958187E+21	1,201362E+21	1,186759E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186726E+20
-2074	1,201411E+21	2,958271E+21	4,041140E+21	4,041065E+21	2,958086E+21	1,201211E+21	1,186142E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186528E+20
-2073	1,201340E+21	2,958144E+21	4,041059E+21	4,041181E+21	2,958339E+21	1,201426E+21	1,186570E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186196E+20
-2072	1,201293E+21	2,958293E+21	4,041259E+21	4,041221E+21	2,958244E+21	1,201320E+21	1,186480E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186808E+20
-2071	1,201477E+21	2,958411E+21	4,041278E+21	4,041140E+21	2,958149E+21	1,201254E+21	1,186097E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186250E+20
-2070	1,201261E+21	2,958113E+21	4,041156E+21	4,041269E+21	2,958354E+21	1,201449E+21	1,186788E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186372E+20
-2069	1,201306E+21	2,958242E+21	4,041190E+21	4,041152E+21	2,958131E+21	1,201231E+21	1,186327E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186784E+20
-2068	1,201379E+21	2,958139E+21	4,040927E+21	4,040907E+21	2,958079E+21	1,201284E+21	1,186367E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186251E+20
-2067	1,201142E+21	2,957853E+21	4,040789E+21	4,040863E+21	2,958062E+21	1,201351E+21	1,186913E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186710E+20
-2066	1,201299E+21	2,958007E+21	4,040756E+21	4,040643E+21	2,957751E+21	1,201095E+21	1,186300E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186759E+20
-2065	1,201229E+21	2,957753E+21	4,040463E+21	4,040511E+21	2,957814E+21	1,201248E+21	1,186763E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186351E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2064	1,201056E+21	2,957658E+21	4,040474E+21	4,040465E+21	2,957692E+21	1,201165E+21	1,186832E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186989E+20
-2063	1,201250E+21	2,957758E+21	4,040414E+21	4,040290E+21	2,957495E+21	1,201016E+21	1,186366E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186713E+20
-2062	1,201094E+21	2,957463E+21	4,040214E+21	4,040359E+21	2,957724E+21	1,201240E+21	1,186965E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186563E+20
-2061	1,201096E+21	2,957643E+21	4,040376E+21	4,040350E+21	2,957581E+21	1,201075E+21	1,186639E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187086E+20
-2060	1,201266E+21	2,957728E+21	4,040335E+21	4,040263E+21	2,957578E+21	1,201105E+21	1,186478E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186434E+20
-2059	1,201044E+21	2,957533E+21	4,040372E+21	4,040482E+21	2,957792E+21	1,201274E+21	1,187013E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186618E+20
-2058	1,201196E+21	2,957837E+21	4,040596E+21	4,040538E+21	2,957682E+21	1,201078E+21	1,186436E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186877E+20
-2057	1,201250E+21	2,957798E+21	4,040535E+21	4,040593E+21	2,957885E+21	1,201249E+21	1,186560E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186268E+20
-2056	1,201115E+21	2,957811E+21	4,040718E+21	4,040763E+21	2,957959E+21	1,201285E+21	1,186815E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186851E+20
-2055	1,201369E+21	2,958111E+21	4,040886E+21	4,040777E+21	2,957849E+21	1,201122E+21	1,186173E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186599E+20
-2054	1,201281E+21	2,957970E+21	4,040811E+21	4,040920E+21	2,958136E+21	1,201362E+21	1,186660E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186247E+20
-2053	1,201206E+21	2,958087E+21	4,041027E+21	4,040992E+21	2,958056E+21	1,201264E+21	1,186615E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186847E+20
-2052	1,201377E+21	2,958159E+21	4,040976E+21	4,040881E+21	2,957965E+21	1,201192E+21	1,186203E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186323E+20
-2051	1,201163E+21	2,957826E+21	4,040761E+21	4,040906E+21	2,958113E+21	1,201381E+21	1,186919E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186474E+20
-2050	1,201217E+21	2,957965E+21	4,040795E+21	4,040768E+21	2,957870E+21	1,201151E+21	1,186441E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186914E+20
-2049	1,201300E+21	2,957866E+21	4,040533E+21	4,040520E+21	2,957804E+21	1,201196E+21	1,186481E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186380E+20
-2048	1,201077E+21	2,957626E+21	4,040423E+21	4,040450E+21	2,957745E+21	1,201247E+21	1,187009E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186824E+20
-2047	1,201214E+21	2,957768E+21	4,040437E+21	4,040294E+21	2,957450E+21	1,200979E+21	1,186367E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186883E+20
-2046	1,201146E+21	2,957490E+21	4,040118E+21	4,040193E+21	2,957576E+21	1,201160E+21	1,186844E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186491E+20
-2045	1,200977E+21	2,957407E+21	4,040156E+21	4,040168E+21	2,957478E+21	1,201095E+21	1,186935E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187111E+20
-2044	1,201185E+21	2,957528E+21	4,040091E+21	4,039991E+21	2,957290E+21	1,200949E+21	1,186453E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186790E+20
-2043	1,201020E+21	2,957238E+21	4,039868E+21	4,040009E+21	2,957490E+21	1,201180E+21	1,187089E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186595E+20
-2042	1,201008E+21	2,957430E+21	4,040087E+21	4,040045E+21	2,957365E+21	1,201017E+21	1,186771E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187127E+20
-2041	1,201171E+21	2,957490E+21	4,040049E+21	4,040000E+21	2,957382E+21	1,201042E+21	1,186584E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186517E+20
-2040	1,200978E+21	2,957325E+21	4,040072E+21	4,040182E+21	2,957574E+21	1,201197E+21	1,187074E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186743E+20
-2039	1,201142E+21	2,957649E+21	4,040332E+21	4,040267E+21	2,957465E+21	1,200991E+21	1,186453E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187012E+20
-2038	1,201215E+21	2,957626E+21	4,040268E+21	4,040333E+21	2,957699E+21	1,201181E+21	1,186599E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186373E+20
-2037	1,201070E+21	2,957662E+21	4,040504E+21	4,040530E+21	2,957783E+21	1,201231E+21	1,186907E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186899E+20
-2036	1,201304E+21	2,957947E+21	4,040670E+21	4,040548E+21	2,957670E+21	1,201065E+21	1,186269E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186613E+20
-2035	1,201184E+21	2,957737E+21	4,040509E+21	4,040628E+21	2,957925E+21	1,201304E+21	1,186805E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186296E+20
-2034	1,201098E+21	2,957812E+21	4,040685E+21	4,040687E+21	2,957854E+21	1,201201E+21	1,186744E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186951E+20
-2033	1,201284E+21	2,957865E+21	4,040585E+21	4,040530E+21	2,957734E+21	1,201118E+21	1,186309E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186488E+20
-2032	1,201109E+21	2,957582E+21	4,040356E+21	4,040480E+21	2,957813E+21	1,201281E+21	1,186991E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186626E+20
-2031	1,201157E+21	2,957743E+21	4,040448E+21	4,040374E+21	2,957555E+21	1,201035E+21	1,186487E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187030E+20
-2030	1,201229E+21	2,957638E+21	4,040208E+21	4,040172E+21	2,957527E+21	1,201098E+21	1,186566E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186479E+20
-2029	1,200986E+21	2,957391E+21	4,040141E+21	4,040158E+21	2,957505E+21	1,201162E+21	1,187117E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186909E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \ominus	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2028	1,201121E+21	2,957511E+21	4,040117E+21	4,040002E+21	2,957239E+21	1,200905E+21	1,186468E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186975E+20
-2027	1,201051E+21	2,957212E+21	4,039739E+21	4,039836E+21	2,957341E+21	1,201095E+21	1,186975E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186594E+20
-2026	1,200893E+21	2,957144E+21	4,039790E+21	4,039825E+21	2,957256E+21	1,201032E+21	1,187063E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187196E+20
-2025	1,201102E+21	2,957275E+21	4,039739E+21	4,039652E+21	2,957066E+21	1,200887E+21	1,186582E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186882E+20
-2024	1,200954E+21	2,957030E+21	4,039547E+21	4,039647E+21	2,957221E+21	1,201096E+21	1,187184E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186673E+20
-2023	1,200926E+21	2,957206E+21	4,039804E+21	4,039748E+21	2,957114E+21	1,200921E+21	1,186829E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187222E+20
-2022	1,201101E+21	2,957265E+21	4,039758E+21	4,039733E+21	2,957186E+21	1,200968E+21	1,186641E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186640E+20
-2021	1,200925E+21	2,957143E+21	4,039829E+21	4,039931E+21	2,957388E+21	1,201133E+21	1,187139E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186848E+20
-2020	1,201099E+21	2,957483E+21	4,040087E+21	4,040020E+21	2,957293E+21	1,200935E+21	1,186521E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187057E+20
-2019	1,201152E+21	2,957452E+21	4,040005E+21	4,040052E+21	2,957505E+21	1,201129E+21	1,186706E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186402E+20
-2018	1,200988E+21	2,957464E+21	4,040252E+21	4,040279E+21	2,957605E+21	1,201179E+21	1,187032E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186924E+20
-2017	1,201203E+21	2,957697E+21	4,040380E+21	4,040295E+21	2,957493E+21	1,201006E+21	1,186378E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186711E+20
-2016	1,201110E+21	2,957497E+21	4,040167E+21	4,040283E+21	2,957683E+21	1,201221E+21	1,186877E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186444E+20
-2015	1,201031E+21	2,957565E+21	4,040344E+21	4,040339E+21	2,957588E+21	1,201101E+21	1,186775E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187105E+20
-2014	1,201233E+21	2,957636E+21	4,040234E+21	4,040177E+21	2,957482E+21	1,201029E+21	1,186367E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186633E+20
-2013	1,201055E+21	2,957390E+21	4,040066E+21	4,040139E+21	2,957552E+21	1,201195E+21	1,187081E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186712E+20
-2012	1,201082E+21	2,957532E+21	4,040162E+21	4,040061E+21	2,957308E+21	1,200953E+21	1,186596E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187075E+20
-2011	1,201122E+21	2,957367E+21	4,039863E+21	4,039831E+21	2,957275E+21	1,201021E+21	1,186720E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186561E+20
-2010	1,200877E+21	2,957091E+21	4,039766E+21	4,039827E+21	2,957285E+21	1,201093E+21	1,187258E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187007E+20
-2009	1,201021E+21	2,957205E+21	4,039718E+21	4,039645E+21	2,957009E+21	1,200838E+21	1,186608E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187123E+20
-2008	1,200985E+21	2,956957E+21	4,039342E+21	4,039417E+21	2,957055E+21	1,201008E+21	1,187077E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186715E+20
-2007	1,200819E+21	2,956909E+21	4,039459E+21	4,039461E+21	2,956972E+21	1,200935E+21	1,187130E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187278E+20
-2006	1,201024E+21	2,957046E+21	4,039431E+21	4,039336E+21	2,956823E+21	1,200804E+21	1,186664E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186968E+20
-2005	1,200874E+21	2,956818E+21	4,039290E+21	4,039379E+21	2,957008E+21	1,201018E+21	1,187252E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186760E+20
-2004	1,200860E+21	2,956999E+21	4,039541E+21	4,039496E+21	2,956931E+21	1,200854E+21	1,186886E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187304E+20
-2003	1,201037E+21	2,957054E+21	4,039464E+21	4,039445E+21	2,956990E+21	1,200910E+21	1,186726E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186731E+20
-2002	1,200872E+21	2,956956E+21	4,039557E+21	4,039674E+21	2,957221E+21	1,201082E+21	1,187231E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186905E+20
-2001	1,201036E+21	2,957297E+21	4,039827E+21	4,039759E+21	2,957121E+21	1,200891E+21	1,186638E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187122E+20
-2000	1,201090E+21	2,957273E+21	4,039745E+21	4,039751E+21	2,957275E+21	1,201056E+21	1,186791E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186482E+20
-1999	1,200909E+21	2,957238E+21	4,039980E+21	4,040007E+21	2,957379E+21	1,201092E+21	1,187083E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187024E+20
-1998	1,201128E+21	2,957450E+21	4,040058E+21	4,040000E+21	2,957286E+21	1,200930E+21	1,186433E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186857E+20
-1997	1,201055E+21	2,957287E+21	4,039872E+21	4,039963E+21	2,957450E+21	1,201142E+21	1,186943E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186572E+20
-1996	1,200982E+21	2,957362E+21	4,040036E+21	4,040010E+21	2,957352E+21	1,201027E+21	1,186857E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187156E+20
-1995	1,201151E+21	2,957412E+21	4,039909E+21	4,039820E+21	2,957222E+21	1,200958E+21	1,186512E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186682E+20
-1994	1,200955E+21	2,957135E+21	4,039748E+21	4,039828E+21	2,957320E+21	1,201122E+21	1,187228E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186750E+20
-1993	1,200963E+21	2,957231E+21	4,039806E+21	4,039744E+21	2,957089E+21	1,200886E+21	1,186747E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187193E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1992	1,201031E+21	2,957081E+21	4,039473E+21	4,039440E+21	2,956998E+21	1,200930E+21	1,186824E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186728E+20
-1991	1,200798E+21	2,956804E+21	4,039379E+21	4,039445E+21	2,956999E+21	1,200991E+21	1,187315E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187151E+20
-1990	1,200953E+21	2,956945E+21	4,039339E+21	4,039272E+21	2,956751E+21	1,200753E+21	1,186690E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187262E+20
-1989	1,200922E+21	2,956754E+21	4,039044E+21	4,039061E+21	2,956784E+21	1,200923E+21	1,187167E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186801E+20
-1988	1,200745E+21	2,956686E+21	4,039168E+21	4,039151E+21	2,956730E+21	1,200855E+21	1,187222E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187311E+20
-1987	1,200925E+21	2,956788E+21	4,039107E+21	4,039026E+21	2,956599E+21	1,200734E+21	1,186783E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187057E+20
-1986	1,200795E+21	2,956571E+21	4,038970E+21	4,039100E+21	2,956822E+21	1,200954E+21	1,187344E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186847E+20
-1985	1,200795E+21	2,956775E+21	4,039231E+21	4,039211E+21	2,956749E+21	1,200804E+21	1,186997E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187421E+20
-1984	1,200996E+21	2,956883E+21	4,039184E+21	4,039126E+21	2,956759E+21	1,200838E+21	1,186798E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186817E+20
-1983	1,200817E+21	2,956787E+21	4,039328E+21	4,039406E+21	2,956996E+21	1,201004E+21	1,187278E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186953E+20
-1982	1,200964E+21	2,957106E+21	4,039590E+21	4,039526E+21	2,956938E+21	1,200826E+21	1,186708E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187190E+20
-1981	1,201016E+21	2,957083E+21	4,039518E+21	4,039511E+21	2,957088E+21	1,200989E+21	1,186848E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186583E+20
-1980	1,200848E+21	2,957020E+21	4,039699E+21	4,039744E+21	2,957194E+21	1,201029E+21	1,187144E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187097E+20
-1979	1,201054E+21	2,957210E+21	4,039727E+21	4,039680E+21	2,957069E+21	1,200870E+21	1,186538E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186960E+20
-1978	1,200992E+21	2,957062E+21	4,039543E+21	4,039648E+21	2,957235E+21	1,201076E+21	1,187060E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186633E+20
-1977	1,200902E+21	2,957134E+21	4,039716E+21	4,039677E+21	2,957116E+21	1,200965E+21	1,187010E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187234E+20
-1976	1,201066E+21	2,957168E+21	4,039576E+21	4,039451E+21	2,956931E+21	1,200864E+21	1,186637E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186788E+20
-1975	1,200857E+21	2,956853E+21	4,039402E+21	4,039485E+21	2,957043E+21	1,201019E+21	1,187298E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186885E+20
-1974	1,200877E+21	2,956940E+21	4,039415E+21	4,039380E+21	2,956836E+21	1,200799E+21	1,186831E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187365E+20
-1973	1,200964E+21	2,956833E+21	4,039119E+21	4,039063E+21	2,956725E+21	1,200839E+21	1,186905E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186885E+20
-1972	1,200743E+21	2,956569E+21	4,039030E+21	4,039084E+21	2,956738E+21	1,200906E+21	1,187394E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187202E+20
-1971	1,200858E+21	2,956691E+21	4,038991E+21	4,038903E+21	2,956482E+21	1,200678E+21	1,186832E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187319E+20
-1970	1,200822E+21	2,956489E+21	4,038716E+21	4,038757E+21	2,956556E+21	1,200848E+21	1,187295E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186838E+20
-1969	1,200642E+21	2,956416E+21	4,038830E+21	4,038845E+21	2,956521E+21	1,200795E+21	1,187357E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187414E+20
-1968	1,200851E+21	2,956549E+21	4,038770E+21	4,038682E+21	2,956351E+21	1,200655E+21	1,186869E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187194E+20
-1967	1,200741E+21	2,956361E+21	4,038677E+21	4,038802E+21	2,956587E+21	1,200868E+21	1,187368E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186965E+20
-1966	1,200752E+21	2,956597E+21	4,038956E+21	4,038935E+21	2,956554E+21	1,200741E+21	1,187062E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187520E+20
-1965	1,200948E+21	2,956747E+21	4,038990E+21	4,038879E+21	2,956555E+21	1,200771E+21	1,186864E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186882E+20
-1964	1,200756E+21	2,956609E+21	4,039110E+21	4,039187E+21	2,956815E+21	1,200940E+21	1,187353E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186960E+20
-1963	1,200864E+21	2,956861E+21	4,039302E+21	4,039270E+21	2,956759E+21	1,200774E+21	1,186823E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187263E+20
-1962	1,200936E+21	2,956833E+21	4,039197E+21	4,039240E+21	2,956911E+21	1,200933E+21	1,186954E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186668E+20
-1961	1,200779E+21	2,956783E+21	4,039355E+21	4,039424E+21	2,956990E+21	1,200980E+21	1,187277E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187207E+20
-1960	1,200998E+21	2,957006E+21	4,039395E+21	4,039308E+21	2,956797E+21	1,200788E+21	1,186640E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187065E+20
-1959	1,200925E+21	2,956851E+21	4,039248E+21	4,039314E+21	2,956952E+21	1,200975E+21	1,187118E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186718E+20
-1958	1,200817E+21	2,956891E+21	4,039403E+21	4,039371E+21	2,956873E+21	1,200877E+21	1,187091E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187348E+20
-1957	1,200984E+21	2,956938E+21	4,039280E+21	4,039138E+21	2,956680E+21	1,200769E+21	1,186703E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186944E+20

1 Longitude \ominus Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1956	1,200789E+21	2,956597E+21	4,039055E+21	4,039152E+21	2,956801E+21	1,200933E+21	1,187368E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186979E+20
-1955	1,200787E+21	2,956660E+21	4,039030E+21	4,039012E+21	2,956587E+21	1,200728E+21	1,186958E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187478E+20
-1954	1,200887E+21	2,956570E+21	4,038742E+21	4,038709E+21	2,956483E+21	1,200770E+21	1,187051E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186949E+20
-1953	1,200650E+21	2,956309E+21	4,038666E+21	4,038720E+21	2,956485E+21	1,200843E+21	1,187564E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187268E+20
-1952	1,200758E+21	2,956421E+21	4,038631E+21	4,038526E+21	2,956188E+21	1,200585E+21	1,186962E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187424E+20
-1951	1,200730E+21	2,956213E+21	4,038367E+21	4,038416E+21	2,956282E+21	1,200744E+21	1,187342E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186969E+20
-1950	1,200573E+21	2,956170E+21	4,038486E+21	4,038519E+21	2,956288E+21	1,200713E+21	1,187421E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187569E+20
-1949	1,200808E+21	2,956377E+21	4,038501E+21	4,038380E+21	2,956121E+21	1,200575E+21	1,186926E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187321E+20
-1948	1,200705E+21	2,956206E+21	4,038435E+21	4,038541E+21	2,956389E+21	1,200800E+21	1,187424E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186979E+20
-1947	1,200669E+21	2,956405E+21	4,038712E+21	4,038686E+21	2,956370E+21	1,200693E+21	1,187188E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187545E+20
-1946	1,200857E+21	2,956521E+21	4,038734E+21	4,038676E+21	2,956405E+21	1,200721E+21	1,186974E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186911E+20
-1945	1,200668E+21	2,956370E+21	4,038807E+21	4,038934E+21	2,956655E+21	1,200898E+21	1,187473E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187058E+20
-1944	1,200792E+21	2,956623E+21	4,038967E+21	4,038942E+21	2,956527E+21	1,200702E+21	1,186904E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187394E+20
-1943	1,200884E+21	2,956623E+21	4,038884E+21	4,038919E+21	2,956661E+21	1,200842E+21	1,186982E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186798E+20
-1942	1,200737E+21	2,956603E+21	4,039052E+21	4,039096E+21	2,956748E+21	1,200901E+21	1,187349E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187318E+20
-1941	1,200943E+21	2,956849E+21	4,039150E+21	4,039001E+21	2,956539E+21	1,200700E+21	1,186718E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187166E+20
-1940	1,200857E+21	2,956643E+21	4,038977E+21	4,039041E+21	2,956722E+21	1,200885E+21	1,187189E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186773E+20
-1939	1,200711E+21	2,956612E+21	4,039056E+21	4,039057E+21	2,956652E+21	1,200807E+21	1,187215E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187452E+20
-1938	1,200892E+21	2,956646E+21	4,038903E+21	4,038819E+21	2,956464E+21	1,200702E+21	1,186839E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187046E+20
-1937	1,200705E+21	2,956323E+21	4,038655E+21	4,038777E+21	2,956557E+21	1,200875E+21	1,187536E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187078E+20
-1936	1,200695E+21	2,956390E+21	4,038635E+21	4,038591E+21	2,956280E+21	1,200641E+21	1,187105E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187560E+20
-1935	1,200789E+21	2,956299E+21	4,038384E+21	4,038329E+21	2,956174E+21	1,200665E+21	1,187143E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187041E+20
-1934	1,200552E+21	2,956031E+21	4,038297E+21	4,038365E+21	2,956217E+21	1,200747E+21	1,187652E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187393E+20
-1933	1,200677E+21	2,956185E+21	4,038304E+21	4,038188E+21	2,955928E+21	1,200488E+21	1,187026E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187591E+20
-1932	1,200677E+21	2,955992E+21	4,038053E+21	4,038109E+21	2,956050E+21	1,200654E+21	1,187376E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187064E+20
-1931	1,200506E+21	2,955951E+21	4,038175E+21	4,038219E+21	2,956081E+21	1,200651E+21	1,187519E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187664E+20
-1930	1,200750E+21	2,956180E+21	4,038228E+21	4,038130E+21	2,955944E+21	1,200524E+21	1,187051E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187353E+20
-1929	1,200627E+21	2,956011E+21	4,038173E+21	4,038285E+21	2,956211E+21	1,200760E+21	1,187574E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187016E+20
-1928	1,200574E+21	2,956172E+21	4,038423E+21	4,038403E+21	2,956157E+21	1,200627E+21	1,187301E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187620E+20
-1927	1,200775E+21	2,956279E+21	4,038422E+21	4,038384E+21	2,956186E+21	1,200639E+21	1,187010E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187036E+20
-1926	1,200613E+21	2,956153E+21	4,038474E+21	4,038618E+21	2,956442E+21	1,200825E+21	1,187526E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187208E+20
-1925	1,200758E+21	2,956472E+21	4,038700E+21	4,038633E+21	2,956290E+21	1,200619E+21	1,186948E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187526E+20
-1924	1,200851E+21	2,956477E+21	4,038642E+21	4,038637E+21	2,956432E+21	1,200758E+21	1,187027E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186825E+20
-1923	1,200652E+21	2,956405E+21	4,038798E+21	4,038829E+21	2,956538E+21	1,200835E+21	1,187466E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187361E+20
-1922	1,200847E+21	2,956604E+21	4,038866E+21	4,038767E+21	2,956361E+21	1,200640E+21	1,186850E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187213E+20
-1921	1,200757E+21	2,956377E+21	4,038634E+21	4,038741E+21	2,956528E+21	1,200835E+21	1,187340E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186884E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1920	1,200615E+21	2,956321E+21	4,038664E+21	4,038681E+21	2,956389E+21	1,200728E+21	1,187337E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187579E+20
-1919	1,200812E+21	2,956370E+21	4,038507E+21	4,038427E+21	2,956179E+21	1,200605E+21	1,186915E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187193E+20
-1918	1,200635E+21	2,956074E+21	4,038264E+21	4,038368E+21	2,956268E+21	1,200784E+21	1,187643E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187205E+20
-1917	1,200616E+21	2,956163E+21	4,038304E+21	4,038211E+21	2,955972E+21	1,200534E+21	1,187196E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187689E+20
-1916	1,200708E+21	2,956044E+21	4,038045E+21	4,037989E+21	2,955899E+21	1,200556E+21	1,187207E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187128E+20
-1915	1,200453E+21	2,955749E+21	4,037929E+21	4,038019E+21	2,955971E+21	1,200664E+21	1,187748E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187522E+20
-1914	1,200604E+21	2,955922E+21	4,037954E+21	4,037883E+21	2,955719E+21	1,200423E+21	1,187149E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187691E+20
-1913	1,200613E+21	2,955781E+21	4,037733E+21	4,037796E+21	2,955847E+21	1,200603E+21	1,187512E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187146E+20
-1912	1,200430E+21	2,955738E+21	4,037872E+21	4,037891E+21	2,955840E+21	1,200584E+21	1,187647E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187707E+20
-1911	1,200662E+21	2,955957E+21	4,037953E+21	4,037851E+21	2,955722E+21	1,200447E+21	1,187122E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187418E+20
-1910	1,200544E+21	2,955788E+21	4,037876E+21	4,038004E+21	2,956011E+21	1,200689E+21	1,187639E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187122E+20
-1909	1,200508E+21	2,955971E+21	4,038141E+21	4,038113E+21	2,955944E+21	1,200548E+21	1,187343E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187756E+20
-1908	1,200731E+21	2,956092E+21	4,038148E+21	4,038111E+21	2,955982E+21	1,200558E+21	1,187024E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187119E+20
-1907	1,200560E+21	2,955970E+21	4,038196E+21	4,038333E+21	2,956243E+21	1,200764E+21	1,187608E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187292E+20
-1906	1,200703E+21	2,956293E+21	4,038452E+21	4,038388E+21	2,956111E+21	1,200570E+21	1,187082E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187549E+20
-1905	1,200770E+21	2,956286E+21	4,038393E+21	4,038382E+21	2,956243E+21	1,200709E+21	1,187182E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,186873E+20
-1904	1,200547E+21	2,956143E+21	4,038481E+21	4,038525E+21	2,956308E+21	1,200760E+21	1,187588E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187442E+20
-1903	1,200749E+21	2,956321E+21	4,038504E+21	4,038431E+21	2,956122E+21	1,200552E+21	1,186919E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187362E+20
-1902	1,200684E+21	2,956111E+21	4,038237E+21	4,038355E+21	2,956269E+21	1,200750E+21	1,187431E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187059E+20
-1901	1,200558E+21	2,956097E+21	4,038304E+21	4,038287E+21	2,956099E+21	1,200631E+21	1,187413E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187719E+20
-1900	1,200748E+21	2,956146E+21	4,038171E+21	4,038058E+21	2,955891E+21	1,200501E+21	1,186987E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187263E+20
-1899	1,200534E+21	2,955809E+21	4,037919E+21	4,038014E+21	2,955997E+21	1,200694E+21	1,187755E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187293E+20
-1898	1,200518E+21	2,955874E+21	4,037954E+21	4,037902E+21	2,955742E+21	1,200457E+21	1,187326E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187772E+20
-1897	1,200614E+21	2,955773E+21	4,037684E+21	4,037649E+21	2,955670E+21	1,200490E+21	1,187344E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187247E+20
-1896	1,200368E+21	2,955479E+21	4,037560E+21	4,037654E+21	2,955711E+21	1,200582E+21	1,187853E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187632E+20
-1895	1,200536E+21	2,955690E+21	4,037612E+21	4,037532E+21	2,955472E+21	1,200343E+21	1,187236E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187800E+20
-1894	1,200546E+21	2,955575E+21	4,037421E+21	4,037462E+21	2,955612E+21	1,200534E+21	1,187616E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187240E+20
-1893	1,200359E+21	2,955544E+21	4,037615E+21	4,037603E+21	2,955603E+21	1,200500E+21	1,187721E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187793E+20
-1892	1,200587E+21	2,955735E+21	4,037676E+21	4,037587E+21	2,955515E+21	1,200362E+21	1,187157E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187483E+20
-1891	1,200463E+21	2,955552E+21	4,037568E+21	4,037715E+21	2,955818E+21	1,200625E+21	1,187705E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187232E+20
-1890	1,200455E+21	2,955756E+21	4,037852E+21	4,037854E+21	2,955770E+21	1,200499E+21	1,187450E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187820E+20
-1889	1,200679E+21	2,955923E+21	4,037888E+21	4,037835E+21	2,955799E+21	1,200515E+21	1,187151E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187173E+20
-1888	1,200488E+21	2,955780E+21	4,037938E+21	4,038041E+21	2,956017E+21	1,200697E+21	1,187720E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187332E+20
-1887	1,200618E+21	2,956075E+21	4,038185E+21	4,038116E+21	2,955899E+21	1,200495E+21	1,187161E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187628E+20
-1886	1,200687E+21	2,956050E+21	4,038085E+21	4,038087E+21	2,956034E+21	1,200633E+21	1,187255E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187022E+20
-1885	1,200483E+21	2,955914E+21	4,038162E+21	4,038198E+21	2,956066E+21	1,200670E+21	1,187632E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187598E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1884	1,200694E+21	2,956089E+21	4,038169E+21	4,038095E+21	2,955874E+21	1,200457E+21	1,186950E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187480E+20
-1883	1,200617E+21	2,955877E+21	4,037885E+21	4,037983E+21	2,956013E+21	1,200673E+21	1,187535E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187174E+20
-1882	1,200484E+21	2,955848E+21	4,037972E+21	4,037952E+21	2,955856E+21	1,200564E+21	1,187569E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187759E+20
-1881	1,200647E+21	2,955890E+21	4,037839E+21	4,037719E+21	2,955640E+21	1,200432E+21	1,187159E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187342E+20
-1880	1,200420E+21	2,955498E+21	4,037528E+21	4,037631E+21	2,955712E+21	1,200599E+21	1,187878E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187391E+20
-1879	1,200418E+21	2,955569E+21	4,037550E+21	4,037511E+21	2,955471E+21	1,200365E+21	1,187419E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187918E+20
-1878	1,200542E+21	2,955515E+21	4,037304E+21	4,037260E+21	2,955399E+21	1,200403E+21	1,187445E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187405E+20
-1877	1,200312E+21	2,955273E+21	4,037236E+21	4,037290E+21	2,955436E+21	1,200490E+21	1,187929E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187730E+20
-1876	1,200467E+21	2,955483E+21	4,037330E+21	4,037227E+21	2,955233E+21	1,200257E+21	1,187307E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187839E+20
-1875	1,200449E+21	2,955334E+21	4,037134E+21	4,037180E+21	2,955404E+21	1,200466E+21	1,187710E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187310E+20
-1874	1,200271E+21	2,955282E+21	4,037317E+21	4,037359E+21	2,955434E+21	1,200448E+21	1,187834E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187845E+20
-1873	1,200507E+21	2,955503E+21	4,037377E+21	4,037312E+21	2,955337E+21	1,200314E+21	1,187265E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187581E+20
-1872	1,200396E+21	2,955326E+21	4,037254E+21	4,037400E+21	2,955593E+21	1,200553E+21	1,187777E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187326E+20
-1871	1,200407E+21	2,955572E+21	4,037565E+21	4,037543E+21	2,955555E+21	1,200433E+21	1,187524E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187912E+20
-1870	1,200627E+21	2,955759E+21	4,037638E+21	4,037543E+21	2,955578E+21	1,200446E+21	1,187242E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187273E+20
-1869	1,200431E+21	2,955608E+21	4,037705E+21	4,037776E+21	2,955791E+21	1,200610E+21	1,187774E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187430E+20
-1868	1,200550E+21	2,955858E+21	4,037909E+21	4,037853E+21	2,955695E+21	1,200409E+21	1,187190E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187718E+20
-1867	1,200609E+21	2,955806E+21	4,037762E+21	4,037778E+21	2,955826E+21	1,200563E+21	1,187326E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187165E+20
-1866	1,200426E+21	2,955669E+21	4,037833E+21	4,037896E+21	2,955859E+21	1,200613E+21	1,187758E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187663E+20
-1865	1,200618E+21	2,955866E+21	4,037847E+21	4,037755E+21	2,955642E+21	1,200402E+21	1,187109E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187537E+20
-1864	1,200515E+21	2,955612E+21	4,037543E+21	4,037611E+21	2,955727E+21	1,200589E+21	1,187679E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187224E+20
-1863	1,200378E+21	2,955562E+21	4,037604E+21	4,037579E+21	2,955582E+21	1,200475E+21	1,187684E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187848E+20
-1862	1,200544E+21	2,955593E+21	4,037446E+21	4,037335E+21	2,955366E+21	1,200340E+21	1,187272E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187505E+20
-1861	1,200347E+21	2,955234E+21	4,037157E+21	4,037251E+21	2,955423E+21	1,200490E+21	1,187925E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187554E+20
-1860	1,200359E+21	2,955324E+21	4,037195E+21	4,037153E+21	2,955204E+21	1,200265E+21	1,187467E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188036E+20
-1859	1,200471E+21	2,955284E+21	4,036973E+21	4,036911E+21	2,955153E+21	1,200329E+21	1,187548E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187517E+20
-1858	1,200239E+21	2,955038E+21	4,036947E+21	4,037006E+21	2,955219E+21	1,200431E+21	1,188074E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187748E+20
-1857	1,200365E+21	2,955240E+21	4,037037E+21	4,036947E+21	2,955030E+21	1,200202E+21	1,187457E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187898E+20
-1856	1,200342E+21	2,955047E+21	4,036785E+21	4,036853E+21	2,955170E+21	1,200390E+21	1,187804E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187403E+20
-1855	1,200199E+21	2,955025E+21	4,036953E+21	4,037012E+21	2,955210E+21	1,200378E+21	1,187906E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187969E+20
-1854	1,200457E+21	2,955301E+21	4,037058E+21	4,036981E+21	2,955108E+21	1,200244E+21	1,187346E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187722E+20
-1853	1,200368E+21	2,955184E+21	4,037008E+21	4,037101E+21	2,955350E+21	1,200465E+21	1,187812E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187416E+20
-1852	1,200360E+21	2,955420E+21	4,037354E+21	4,037301E+21	2,955344E+21	1,200352E+21	1,187569E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187954E+20
-1851	1,200549E+21	2,955565E+21	4,037410E+21	4,037317E+21	2,955399E+21	1,200382E+21	1,187312E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187358E+20
-1850	1,200358E+21	2,955378E+21	4,037444E+21	4,037556E+21	2,955634E+21	1,200563E+21	1,187884E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187473E+20
-1849	1,200467E+21	2,955630E+21	4,037618E+21	4,037585E+21	2,955520E+21	1,200366E+21	1,187315E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187795E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1848	1,200527E+21	2,955548E+21	4,037410E+21	4,037432E+21	2,955581E+21	1,200494E+21	1,187442E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187252E+20
-1847	1,200353E+21	2,955422E+21	4,037463E+21	4,037515E+21	2,955606E+21	1,200546E+21	1,187888E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187737E+20
-1846	1,200528E+21	2,955617E+21	4,037504E+21	4,037384E+21	2,955361E+21	1,200319E+21	1,187250E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187658E+20
-1845	1,200432E+21	2,955353E+21	4,037195E+21	4,037243E+21	2,955421E+21	1,200472E+21	1,187750E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187353E+20
-1844	1,200292E+21	2,955282E+21	4,037229E+21	4,037216E+21	2,955301E+21	1,200362E+21	1,187729E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187978E+20
-1843	1,200461E+21	2,955317E+21	4,037065E+21	4,036959E+21	2,955099E+21	1,200249E+21	1,187357E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187675E+20
-1842	1,200285E+21	2,954982E+21	4,036810E+21	4,036915E+21	2,955182E+21	1,200420E+21	1,188050E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187625E+20
-1841	1,200277E+21	2,955100E+21	4,036881E+21	4,036825E+21	2,954973E+21	1,200208E+21	1,187629E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188090E+20
-1840	1,200363E+21	2,955009E+21	4,036637E+21	4,036575E+21	2,954894E+21	1,200252E+21	1,187685E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187576E+20
-1839	1,200140E+21	2,954756E+21	4,036584E+21	4,036671E+21	2,954991E+21	1,200358E+21	1,188178E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187829E+20
-1838	1,200270E+21	2,954968E+21	4,036679E+21	4,036607E+21	2,954794E+21	1,200127E+21	1,187552E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188053E+20
-1837	1,200290E+21	2,954829E+21	4,036461E+21	4,036517E+21	2,954911E+21	1,200292E+21	1,187823E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187545E+20
-1836	1,200164E+21	2,954849E+21	4,036665E+21	4,036709E+21	2,954978E+21	1,200290E+21	1,187931E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188063E+20
-1835	1,200411E+21	2,955147E+21	4,036816E+21	4,036710E+21	2,954908E+21	1,200184E+21	1,187427E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187809E+20
-1834	1,200316E+21	2,955025E+21	4,036819E+21	4,036905E+21	2,955182E+21	1,200416E+21	1,187929E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187424E+20
-1833	1,200276E+21	2,955228E+21	4,037132E+21	4,037098E+21	2,955191E+21	1,200310E+21	1,187704E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187985E+20
-1832	1,200445E+21	2,955301E+21	4,037101E+21	4,037045E+21	2,955204E+21	1,200321E+21	1,187410E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187441E+20
-1831	1,200286E+21	2,955129E+21	4,037084E+21	4,037222E+21	2,955424E+21	1,200504E+21	1,187983E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187569E+20
-1830	1,200392E+21	2,955393E+21	4,037266E+21	4,037228E+21	2,955275E+21	1,200298E+21	1,187435E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187917E+20
-1829	1,200469E+21	2,955340E+21	4,037089E+21	4,037073E+21	2,955294E+21	1,200393E+21	1,187512E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187358E+20
-1828	1,200281E+21	2,955197E+21	4,037145E+21	4,037179E+21	2,955327E+21	1,200441E+21	1,187951E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187819E+20
-1827	1,200433E+21	2,955355E+21	4,037164E+21	4,037053E+21	2,955109E+21	1,200228E+21	1,187332E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187803E+20
-1826	1,200354E+21	2,955086E+21	4,036859E+21	4,036930E+21	2,955184E+21	1,200390E+21	1,187845E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187457E+20
-1825	1,200210E+21	2,955028E+21	4,036883E+21	4,036883E+21	2,955063E+21	1,200290E+21	1,187845E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188085E+20
-1824	1,200373E+21	2,955040E+21	4,036683E+21	4,036585E+21	2,954829E+21	1,200168E+21	1,187484E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187784E+20
-1823	1,200209E+21	2,954731E+21	4,036429E+21	4,036525E+21	2,954924E+21	1,200352E+21	1,188195E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187693E+20
-1822	1,200172E+21	2,954834E+21	4,036534E+21	4,036468E+21	2,954707E+21	1,200133E+21	1,187791E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188199E+20
-1821	1,200274E+21	2,954737E+21	4,036280E+21	4,036225E+21	2,954615E+21	1,200148E+21	1,187758E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187703E+20
-1820	1,200063E+21	2,954491E+21	4,036213E+21	4,036322E+21	2,954733E+21	1,200258E+21	1,188214E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187951E+20
-1819	1,200204E+21	2,954734E+21	4,036339E+21	4,036272E+21	2,954559E+21	1,200050E+21	1,187619E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188199E+20
-1818	1,200248E+21	2,954649E+21	4,036197E+21	4,036242E+21	2,954704E+21	1,200230E+21	1,187917E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187581E+20
-1817	1,200102E+21	2,954700E+21	4,036454E+21	4,036471E+21	2,954796E+21	1,200245E+21	1,188067E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188075E+20
-1816	1,200316E+21	2,954934E+21	4,036570E+21	4,036472E+21	2,954715E+21	1,200126E+21	1,187552E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187834E+20
-1815	1,200228E+21	2,954794E+21	4,036519E+21	4,036647E+21	2,955016E+21	1,200366E+21	1,188033E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187480E+20
-1814	1,200182E+21	2,954981E+21	4,036822E+21	4,036818E+21	2,955002E+21	1,200253E+21	1,187806E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188117E+20
-1813	1,200389E+21	2,955079E+21	4,036776E+21	4,036726E+21	2,954962E+21	1,200228E+21	1,187436E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187587E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1812	1,200244E+21	2,954932E+21	4,036755E+21	4,036887E+21	2,955176E+21	1,200412E+21	1,188019E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187681E+20
-1811	1,200332E+21	2,955197E+21	4,036967E+21	4,036900E+21	2,955030E+21	1,200221E+21	1,187521E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188031E+20
-1810	1,200401E+21	2,955133E+21	4,036825E+21	4,036792E+21	2,955057E+21	1,200314E+21	1,187626E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187417E+20
-1809	1,200188E+21	2,954960E+21	4,036843E+21	4,036886E+21	2,955102E+21	1,200366E+21	1,188072E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187898E+20
-1808	1,200326E+21	2,955054E+21	4,036776E+21	4,036696E+21	2,954853E+21	1,200144E+21	1,187448E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187929E+20
-1807	1,200278E+21	2,954812E+21	4,036447E+21	4,036538E+21	2,954930E+21	1,200316E+21	1,187968E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187571E+20
-1806	1,200123E+21	2,954767E+21	4,036506E+21	4,036496E+21	2,954792E+21	1,200216E+21	1,187996E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188205E+20
-1805	1,200295E+21	2,954795E+21	4,036333E+21	4,036209E+21	2,954530E+21	1,200066E+21	1,187588E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187891E+20
-1804	1,200119E+21	2,954473E+21	4,036076E+21	4,036173E+21	2,954646E+21	1,200250E+21	1,188273E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187781E+20
-1803	1,200068E+21	2,954547E+21	4,036170E+21	4,036129E+21	2,954464E+21	1,200049E+21	1,187880E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188332E+20
-1802	1,200196E+21	2,954479E+21	4,035952E+21	4,035915E+21	2,954387E+21	1,200071E+21	1,187845E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187801E+20
-1801	1,199996E+21	2,954273E+21	4,035900E+21	4,036012E+21	2,954513E+21	1,200190E+21	1,188310E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188028E+20
-1800	1,200129E+21	2,954507E+21	4,036016E+21	4,035951E+21	2,954334E+21	1,199986E+21	1,187738E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188274E+20
-1799	1,200189E+21	2,954467E+21	4,035914E+21	4,035944E+21	2,954501E+21	1,200174E+21	1,188035E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187623E+20
-1798	1,200014E+21	2,954494E+21	4,036200E+21	4,036211E+21	2,954595E+21	1,200185E+21	1,188198E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188162E+20
-1797	1,200242E+21	2,954709E+21	4,036285E+21	4,036206E+21	2,954504E+21	1,200039E+21	1,187594E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187952E+20
-1796	1,200168E+21	2,954577E+21	4,036202E+21	4,036348E+21	2,954801E+21	1,200279E+21	1,188048E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187609E+20
-1795	1,200126E+21	2,954769E+21	4,036508E+21	4,036510E+21	2,954792E+21	1,200183E+21	1,187858E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188247E+20
-1794	1,200344E+21	2,954906E+21	4,036519E+21	4,036445E+21	2,954751E+21	1,200162E+21	1,187520E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187646E+20
-1793	1,200180E+21	2,954762E+21	4,036509E+21	4,036609E+21	2,954960E+21	1,200349E+21	1,188138E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187714E+20
-1792	1,200228E+21	2,954945E+21	4,036658E+21	4,036600E+21	2,954800E+21	1,200149E+21	1,187650E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188097E+20
-1791	1,200309E+21	2,954872E+21	4,036465E+21	4,036459E+21	2,954836E+21	1,200244E+21	1,187746E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187506E+20
-1790	1,200088E+21	2,954682E+21	4,036480E+21	4,036535E+21	2,954855E+21	1,200289E+21	1,188195E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188043E+20
-1789	1,200255E+21	2,954789E+21	4,036394E+21	4,036318E+21	2,954570E+21	1,200041E+21	1,187521E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188081E+20
-1788	1,200213E+21	2,954572E+21	4,036070E+21	4,036149E+21	2,954645E+21	1,200217E+21	1,188051E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187695E+20
-1787	1,200038E+21	2,954516E+21	4,036161E+21	4,036132E+21	2,954522E+21	1,200132E+21	1,188117E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188313E+20
-1786	1,200202E+21	2,954533E+21	4,036014E+21	4,035887E+21	2,954275E+21	1,199983E+21	1,187722E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187969E+20
-1785	1,200017E+21	2,954198E+21	4,035722E+21	4,035838E+21	2,954406E+21	1,200170E+21	1,188387E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187866E+20
-1784	1,199962E+21	2,954234E+21	4,035759E+21	4,035747E+21	2,954203E+21	1,199968E+21	1,187992E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188449E+20
-1783	1,200127E+21	2,954226E+21	4,035557E+21	4,035531E+21	2,954142E+21	1,199999E+21	1,187956E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187889E+20
-1782	1,199923E+21	2,954061E+21	4,035592E+21	4,035680E+21	2,954272E+21	1,200120E+21	1,188431E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188127E+20
-1781	1,200069E+21	2,954313E+21	4,035745E+21	4,035654E+21	2,954091E+21	1,199899E+21	1,187818E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188358E+20
-1780	1,200120E+21	2,954272E+21	4,035654E+21	4,035684E+21	2,954289E+21	1,200088E+21	1,188071E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187712E+20
-1779	1,199939E+21	2,954278E+21	4,035931E+21	4,035961E+21	2,954417E+21	1,200119E+21	1,188245E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188277E+20
-1778	1,200183E+21	2,954510E+21	4,036037E+21	4,035965E+21	2,954329E+21	1,199976E+21	1,187642E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188039E+20
-1777	1,200117E+21	2,954402E+21	4,035940E+21	4,036081E+21	2,954619E+21	1,200222E+21	1,188119E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187676E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1776	1,200055E+21	2,954552E+21	4,036200E+21	4,036201E+21	2,954585E+21	1,200129E+21	1,187976E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188302E+20
-1775	1,200276E+21	2,954708E+21	4,036221E+21	4,036135E+21	2,954541E+21	1,200108E+21	1,187663E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187687E+20
-1774	1,200083E+21	2,954525E+21	4,036222E+21	4,036314E+21	2,954731E+21	1,200278E+21	1,188279E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187817E+20
-1773	1,200144E+21	2,954676E+21	4,036311E+21	4,036266E+21	2,954544E+21	1,200051E+21	1,187723E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188237E+20
-1772	1,200239E+21	2,954619E+21	4,036096E+21	4,036090E+21	2,954564E+21	1,200140E+21	1,187792E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187667E+20
-1771	1,200021E+21	2,954433E+21	4,036114E+21	4,036164E+21	2,954595E+21	1,200203E+21	1,188271E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188176E+20
-1770	1,200187E+21	2,954569E+21	4,036086E+21	4,035981E+21	2,954317E+21	1,199961E+21	1,187637E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188163E+20
-1769	1,200126E+21	2,954341E+21	4,035759E+21	4,035813E+21	2,954390E+21	1,200140E+21	1,188190E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187749E+20
-1768	1,199913E+21	2,954189E+21	4,035769E+21	4,035775E+21	2,954268E+21	1,200055E+21	1,188262E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188389E+20
-1767	1,200096E+21	2,954225E+21	4,035596E+21	4,035505E+21	2,954030E+21	1,199907E+21	1,187853E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188078E+20
-1766	1,199919E+21	2,953904E+21	4,035332E+21	4,035451E+21	2,954133E+21	1,200084E+21	1,188494E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188018E+20
-1765	1,199902E+21	2,953980E+21	4,035380E+21	4,035359E+21	2,953918E+21	1,199866E+21	1,188055E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188590E+20
-1764	1,200080E+21	2,954035E+21	4,035241E+21	4,035175E+21	2,953871E+21	1,199904E+21	1,188011E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188000E+20
-1763	1,199861E+21	2,953875E+21	4,035338E+21	4,035394E+21	2,954046E+21	1,200044E+21	1,188510E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188211E+20
-1762	1,199997E+21	2,954122E+21	4,035527E+21	4,035433E+21	2,953909E+21	1,199834E+21	1,187910E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188420E+20
-1761	1,200043E+21	2,954064E+21	4,035400E+21	4,035445E+21	2,954122E+21	1,200030E+21	1,188143E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187779E+20
-1760	1,199854E+21	2,954017E+21	4,035602E+21	4,035669E+21	2,954232E+21	1,200067E+21	1,188344E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188349E+20
-1759	1,200121E+21	2,954297E+21	4,035710E+21	4,035653E+21	2,954140E+21	1,199929E+21	1,187758E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188087E+20
-1758	1,200041E+21	2,954206E+21	4,035668E+21	4,035775E+21	2,954399E+21	1,200165E+21	1,188251E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187751E+20
-1757	1,199987E+21	2,954338E+21	4,035914E+21	4,035893E+21	2,954341E+21	1,200047E+21	1,188071E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188379E+20
-1756	1,200200E+21	2,954484E+21	4,035922E+21	4,035832E+21	2,954302E+21	1,200015E+21	1,187717E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187808E+20
-1755	1,200007E+21	2,954284E+21	4,035909E+21	4,036009E+21	2,954505E+21	1,200191E+21	1,188325E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187964E+20
-1754	1,200082E+21	2,954451E+21	4,036012E+21	4,035958E+21	2,954316E+21	1,199970E+21	1,187789E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188357E+20
-1753	1,200179E+21	2,954404E+21	4,035782E+21	4,035762E+21	2,954330E+21	1,200063E+21	1,187879E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187766E+20
-1752	1,199935E+21	2,954168E+21	4,035750E+21	4,035794E+21	2,954341E+21	1,200134E+21	1,188413E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188238E+20
-1751	1,200091E+21	2,954303E+21	4,035717E+21	4,035612E+21	2,954066E+21	1,199894E+21	1,187815E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188221E+20
-1750	1,200005E+21	2,954036E+21	4,035391E+21	4,035448E+21	2,954121E+21	1,200059E+21	1,188349E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187878E+20
-1749	1,199819E+21	2,953863E+21	4,035335E+21	4,035362E+21	2,953971E+21	1,199949E+21	1,188347E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188535E+20
-1748	1,200022E+21	2,953946E+21	4,035181E+21	4,035083E+21	2,953721E+21	1,199798E+21	1,187907E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188247E+20
-1747	1,199861E+21	2,953671E+21	4,034980E+21	4,035074E+21	2,953853E+21	1,199986E+21	1,188546E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188142E+20
-1746	1,199846E+21	2,953800E+21	4,035124E+21	4,035053E+21	2,953674E+21	1,199788E+21	1,188154E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188657E+20
-1745	1,200007E+21	2,953852E+21	4,035015E+21	4,034924E+21	2,953666E+21	1,199835E+21	1,188111E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188035E+20
-1744	1,199758E+21	2,953615E+21	4,035041E+21	4,035134E+21	2,953866E+21	1,199990E+21	1,188623E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188252E+20
-1743	1,199909E+21	2,953874E+21	4,035203E+21	4,035158E+21	2,953747E+21	1,199791E+21	1,188034E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188480E+20
-1742	1,199956E+21	2,953822E+21	4,035096E+21	4,035155E+21	2,953925E+21	1,199975E+21	1,188243E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187898E+20
-1741	1,199803E+21	2,953787E+21	4,035267E+21	4,035340E+21	2,954002E+21	1,199992E+21	1,188412E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188448E+20

1 Longitude \ominus Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1740	1,200072E+21	2,954118E+21	4,035425E+21	4,035327E+21	2,953892E+21	1,199848E+21	1,187816E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188195E+20
-1739	1,199985E+21	2,954022E+21	4,035417E+21	4,035492E+21	2,954164E+21	1,200081E+21	1,188312E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187851E+20
-1738	1,199923E+21	2,954148E+21	4,035677E+21	4,035641E+21	2,954133E+21	1,199969E+21	1,188146E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188477E+20
-1737	1,200134E+21	2,954275E+21	4,035643E+21	4,035552E+21	2,954092E+21	1,199937E+21	1,187777E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187908E+20
-1736	1,199928E+21	2,954016E+21	4,035550E+21	4,035672E+21	2,954280E+21	1,200124E+21	1,188425E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188050E+20
-1735	1,200010E+21	2,954214E+21	4,035654E+21	4,035613E+21	2,954095E+21	1,199913E+21	1,187937E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188411E+20
-1734	1,200081E+21	2,954155E+21	4,035461E+21	4,035414E+21	2,954072E+21	1,199995E+21	1,188047E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187864E+20
-1733	1,199841E+21	2,953873E+21	4,035372E+21	4,035421E+21	2,954058E+21	1,200042E+21	1,188538E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188323E+20
-1732	1,199987E+21	2,954007E+21	4,035326E+21	4,035222E+21	2,953771E+21	1,199791E+21	1,187900E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188369E+20
-1731	1,199915E+21	2,953740E+21	4,034998E+21	4,035056E+21	2,953830E+21	1,199953E+21	1,188407E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188036E+20
-1730	1,199752E+21	2,953615E+21	4,034981E+21	4,034992E+21	2,953692E+21	1,199852E+21	1,188417E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188664E+20
-1729	1,199962E+21	2,953729E+21	4,034853E+21	4,034735E+21	2,953463E+21	1,199711E+21	1,187995E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188337E+20
-1728	1,199780E+21	2,953429E+21	4,034652E+21	4,034739E+21	2,953613E+21	1,199919E+21	1,188675E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188189E+20
-1727	1,199757E+21	2,953566E+21	4,034820E+21	4,034765E+21	2,953473E+21	1,199737E+21	1,188331E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188693E+20
-1726	1,199894E+21	2,953585E+21	4,034719E+21	4,034653E+21	2,953466E+21	1,199776E+21	1,188251E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188149E+20
-1725	1,199679E+21	2,953334E+21	4,034672E+21	4,034804E+21	2,953640E+21	1,199912E+21	1,188695E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188363E+20
-1724	1,199846E+21	2,953642E+21	4,034855E+21	4,034809E+21	2,953501E+21	1,199709E+21	1,188076E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188615E+20
-1723	1,199910E+21	2,953634E+21	4,034807E+21	4,034840E+21	2,953688E+21	1,199892E+21	1,188279E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188004E+20
-1722	1,199763E+21	2,953644E+21	4,035042E+21	4,035067E+21	2,953779E+21	1,199920E+21	1,188491E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188510E+20
-1721	1,200009E+21	2,953951E+21	4,035210E+21	4,035096E+21	2,953697E+21	1,199778E+21	1,187891E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188245E+20
-1720	1,199900E+21	2,953790E+21	4,035136E+21	4,035237E+21	2,953979E+21	1,200018E+21	1,188394E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187920E+20
-1719	1,199848E+21	2,953917E+21	4,035363E+21	4,035363E+21	2,953953E+21	1,199919E+21	1,188268E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188543E+20
-1718	1,200048E+21	2,954036E+21	4,035337E+21	4,035256E+21	2,953879E+21	1,199875E+21	1,187893E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188037E+20
-1717	1,199867E+21	2,953768E+21	4,035182E+21	4,035308E+21	2,954024E+21	1,200045E+21	1,188529E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188136E+20
-1716	1,199931E+21	2,953981E+21	4,035313E+21	4,035237E+21	2,953810E+21	1,199827E+21	1,188043E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188517E+20
-1715	1,199990E+21	2,953893E+21	4,035126E+21	4,035068E+21	2,953790E+21	1,199897E+21	1,188148E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,187992E+20
-1714	1,199755E+21	2,953604E+21	4,035016E+21	4,035069E+21	2,953787E+21	1,199946E+21	1,188632E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188452E+20
-1713	1,199903E+21	2,953729E+21	4,034945E+21	4,034850E+21	2,953497E+21	1,199693E+21	1,187976E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188502E+20
-1712	1,199831E+21	2,953448E+21	4,034583E+21	4,034653E+21	2,953550E+21	1,199864E+21	1,188503E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188138E+20
-1711	1,199679E+21	2,953373E+21	4,034612E+21	4,034624E+21	2,953441E+21	1,199783E+21	1,188574E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188715E+20
-1710	1,199862E+21	2,953487E+21	4,034550E+21	4,034414E+21	2,953215E+21	1,199642E+21	1,188164E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188432E+20
-1709	1,199688E+21	2,953154E+21	4,034304E+21	4,034413E+21	2,953367E+21	1,199836E+21	1,188787E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188267E+20
-1708	1,199663E+21	2,953305E+21	4,034480E+21	4,034436E+21	2,953231E+21	1,199655E+21	1,188406E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188833E+20
-1707	1,199821E+21	2,953333E+21	4,034385E+21	4,034335E+21	2,953231E+21	1,199691E+21	1,188287E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188295E+20
-1706	1,199635E+21	2,953140E+21	4,034370E+21	4,034498E+21	2,953415E+21	1,199833E+21	1,188737E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188474E+20
-1705	1,199803E+21	2,953478E+21	4,034589E+21	4,034519E+21	2,953285E+21	1,199635E+21	1,188131E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188677E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1704	1,199844E+21	2,953445E+21	4,034539E+21	4,034557E+21	2,953477E+21	1,199832E+21	1,188378E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188034E+20
-1703	1,199689E+21	2,953454E+21	4,034791E+21	4,034833E+21	2,953604E+21	1,199873E+21	1,188646E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188534E+20
-1702	1,199910E+21	2,953721E+21	4,034946E+21	4,034857E+21	2,953517E+21	1,199725E+21	1,188025E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188352E+20
-1701	1,199828E+21	2,953534E+21	4,034786E+21	4,034920E+21	2,953758E+21	1,199943E+21	1,188474E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188025E+20
-1700	1,199782E+21	2,953693E+21	4,035026E+21	4,035015E+21	2,953700E+21	1,199839E+21	1,188338E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188663E+20
-1699	1,199982E+21	2,953820E+21	4,035025E+21	4,034924E+21	2,953622E+21	1,199787E+21	1,187964E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188150E+20
-1698	1,199801E+21	2,953568E+21	4,034888E+21	4,034984E+21	2,953767E+21	1,199961E+21	1,188634E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188222E+20
-1697	1,199838E+21	2,953732E+21	4,034994E+21	4,034925E+21	2,953563E+21	1,199738E+21	1,188136E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188598E+20
-1696	1,199882E+21	2,953585E+21	4,034731E+21	4,034711E+21	2,953537E+21	1,199814E+21	1,188255E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188105E+20
-1695	1,199666E+21	2,953314E+21	4,034610E+21	4,034697E+21	2,953534E+21	1,199870E+21	1,188770E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188548E+20
-1694	1,199807E+21	2,953449E+21	4,034565E+21	4,034478E+21	2,953229E+21	1,199614E+21	1,188114E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188654E+20
-1693	1,199763E+21	2,953184E+21	4,034182E+21	4,034244E+21	2,953256E+21	1,199770E+21	1,188610E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188240E+20
-1692	1,199598E+21	2,953139E+21	4,034272E+21	4,034244E+21	2,953145E+21	1,199692E+21	1,188685E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188825E+20
-1691	1,199772E+21	2,953232E+21	4,034235E+21	4,034104E+21	2,952959E+21	1,199549E+21	1,188258E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188564E+20
-1690	1,199614E+21	2,952917E+21	4,033976E+21	4,034099E+21	2,953133E+21	1,199751E+21	1,188859E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188389E+20
-1689	1,199589E+21	2,953062E+21	4,034144E+21	4,034118E+21	2,953006E+21	1,199575E+21	1,188466E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188926E+20
-1688	1,199749E+21	2,953092E+21	4,034043E+21	4,034008E+21	2,953009E+21	1,199622E+21	1,188364E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188364E+20
-1687	1,199577E+21	2,952951E+21	4,034076E+21	4,034203E+21	2,953213E+21	1,199783E+21	1,188878E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188488E+20
-1686	1,199712E+21	2,953281E+21	4,034351E+21	4,034273E+21	2,953094E+21	1,199586E+21	1,188282E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188742E+20
-1685	1,199765E+21	2,953220E+21	4,034249E+21	4,034285E+21	2,953272E+21	1,199760E+21	1,188468E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188098E+20
-1684	1,199611E+21	2,953240E+21	4,034503E+21	4,034543E+21	2,953389E+21	1,199799E+21	1,188709E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188659E+20
-1683	1,199845E+21	2,953500E+21	4,034654E+21	4,034580E+21	2,953304E+21	1,199643E+21	1,188062E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188497E+20
-1682	1,199788E+21	2,953355E+21	4,034493E+21	4,034621E+21	2,953536E+21	1,199862E+21	1,188522E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188149E+20
-1681	1,199727E+21	2,953506E+21	4,034740E+21	4,034710E+21	2,953473E+21	1,199762E+21	1,188409E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188727E+20
-1680	1,199896E+21	2,953585E+21	4,034709E+21	4,034604E+21	2,953384E+21	1,199715E+21	1,188082E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188222E+20
-1679	1,199710E+21	2,953312E+21	4,034546E+21	4,034672E+21	2,953542E+21	1,199895E+21	1,188803E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188287E+20
-1678	1,199723E+21	2,953430E+21	4,034620E+21	4,034584E+21	2,953323E+21	1,199664E+21	1,188280E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188747E+20
-1677	1,199798E+21	2,953273E+21	4,034282E+21	4,034284E+21	2,953241E+21	1,199714E+21	1,188353E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188242E+20
-1676	1,199592E+21	2,953060E+21	4,034211E+21	4,034264E+21	2,953214E+21	1,199766E+21	1,188852E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188687E+20
-1675	1,199732E+21	2,953208E+21	4,034216E+21	4,034097E+21	2,952931E+21	1,199513E+21	1,188216E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188774E+20
-1674	1,199689E+21	2,952968E+21	4,033871E+21	4,033906E+21	2,952983E+21	1,199677E+21	1,188716E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188339E+20
-1673	1,199504E+21	2,952888E+21	4,033958E+21	4,033940E+21	2,952908E+21	1,199604E+21	1,188772E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188899E+20
-1672	1,199666E+21	2,952938E+21	4,033865E+21	4,033775E+21	2,952739E+21	1,199478E+21	1,188360E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188662E+20
-1671	1,199532E+21	2,952655E+21	4,033616E+21	4,033780E+21	2,952926E+21	1,199692E+21	1,188987E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188453E+20
-1670	1,199500E+21	2,952812E+21	4,033813E+21	4,033806E+21	2,952795E+21	1,199518E+21	1,188597E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189021E+20
-1669	1,199681E+21	2,952863E+21	4,033699E+21	4,033657E+21	2,952764E+21	1,199549E+21	1,188467E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188423E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1668	1,199505E+21	2,952763E+21	4,033808E+21	4,033887E+21	2,952962E+21	1,199704E+21	1,188970E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188579E+20
-1667	1,199636E+21	2,953067E+21	4,034091E+21	4,034017E+21	2,952882E+21	1,199506E+21	1,188355E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188869E+20
-1666	1,199713E+21	2,953035E+21	4,033977E+21	4,034016E+21	2,953069E+21	1,199679E+21	1,188503E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188239E+20
-1665	1,199562E+21	2,953048E+21	4,034221E+21	4,034262E+21	2,953186E+21	1,199719E+21	1,188734E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188753E+20
-1664	1,199784E+21	2,953293E+21	4,034350E+21	4,034283E+21	2,953102E+21	1,199577E+21	1,188131E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188569E+20
-1663	1,199726E+21	2,953166E+21	4,034212E+21	4,034337E+21	2,953336E+21	1,199810E+21	1,188671E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188176E+20
-1662	1,199622E+21	2,953262E+21	4,034458E+21	4,034437E+21	2,953270E+21	1,199707E+21	1,188571E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188796E+20
-1661	1,199794E+21	2,953297E+21	4,034335E+21	4,034256E+21	2,953139E+21	1,199635E+21	1,188199E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188325E+20
-1660	1,199619E+21	2,953039E+21	4,034163E+21	4,034274E+21	2,953257E+21	1,199802E+21	1,188887E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188439E+20
-1659	1,199644E+21	2,953153E+21	4,034237E+21	4,034202E+21	2,953039E+21	1,199562E+21	1,188349E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188916E+20
-1658	1,199748E+21	2,953057E+21	4,033920E+21	4,033890E+21	2,952945E+21	1,199608E+21	1,188422E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188384E+20
-1657	1,199525E+21	2,952839E+21	4,033881E+21	4,033898E+21	2,952934E+21	1,199668E+21	1,188932E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188752E+20
-1656	1,199631E+21	2,952944E+21	4,033882E+21	4,033766E+21	2,952680E+21	1,199433E+21	1,188355E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188853E+20
-1655	1,199585E+21	2,952688E+21	4,033528E+21	4,033600E+21	2,952764E+21	1,199612E+21	1,188891E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188409E+20
-1654	1,199385E+21	2,952572E+21	4,033586E+21	4,033617E+21	2,952693E+21	1,199543E+21	1,188921E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189016E+20
-1653	1,199577E+21	2,952634E+21	4,033435E+21	4,033372E+21	2,952474E+21	1,199396E+21	1,188462E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188773E+20
-1652	1,199462E+21	2,952424E+21	4,033252E+21	4,033373E+21	2,952640E+21	1,199604E+21	1,189059E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188563E+20
-1651	1,199433E+21	2,952597E+21	4,033511E+21	4,033475E+21	2,952540E+21	1,199432E+21	1,188679E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189125E+20
-1650	1,199626E+21	2,952690E+21	4,033444E+21	4,033374E+21	2,952531E+21	1,199461E+21	1,188524E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188527E+20
-1649	1,199442E+21	2,952573E+21	4,033566E+21	4,033643E+21	2,952765E+21	1,199621E+21	1,188998E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188662E+20
-1648	1,199566E+21	2,952849E+21	4,033813E+21	4,033763E+21	2,952708E+21	1,199446E+21	1,188419E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188967E+20
-1647	1,199658E+21	2,952839E+21	4,033712E+21	4,033771E+21	2,952903E+21	1,199630E+21	1,188603E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188306E+20
-1646	1,199493E+21	2,952842E+21	4,033949E+21	4,034001E+21	2,953014E+21	1,199675E+21	1,188854E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188817E+20
-1645	1,199709E+21	2,953068E+21	4,034027E+21	4,033949E+21	2,952875E+21	1,199515E+21	1,188251E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188615E+20
-1644	1,199639E+21	2,952948E+21	4,033916E+21	4,033996E+21	2,953077E+21	1,199733E+21	1,188789E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188274E+20
-1643	1,199529E+21	2,952985E+21	4,034118E+21	4,034111E+21	2,953023E+21	1,199621E+21	1,188674E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188928E+20
-1642	1,199722E+21	2,953043E+21	4,033964E+21	4,033884E+21	2,952868E+21	1,199536E+21	1,188269E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188490E+20
-1641	1,199556E+21	2,952793E+21	4,033804E+21	4,033895E+21	2,952970E+21	1,199693E+21	1,188924E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188550E+20
-1640	1,199568E+21	2,952900E+21	4,033871E+21	4,033821E+21	2,952767E+21	1,199476E+21	1,188453E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189003E+20
-1639	1,199665E+21	2,952820E+21	4,033603E+21	4,033561E+21	2,952697E+21	1,199537E+21	1,188593E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188434E+20
-1638	1,199408E+21	2,952556E+21	4,033555E+21	4,033593E+21	2,952708E+21	1,199602E+21	1,189099E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188821E+20
-1637	1,199513E+21	2,952616E+21	4,033466E+21	4,033390E+21	2,952428E+21	1,199355E+21	1,188493E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188961E+20
-1636	1,199485E+21	2,952390E+21	4,033127E+21	4,033190E+21	2,952482E+21	1,199524E+21	1,188984E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188568E+20
-1635	1,199306E+21	2,952276E+21	4,033189E+21	4,033235E+21	2,952420E+21	1,199448E+21	1,188991E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189170E+20
-1634	1,199530E+21	2,952424E+21	4,033081E+21	4,032988E+21	2,952194E+21	1,199299E+21	1,188516E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188914E+20
-1633	1,199412E+21	2,952242E+21	4,032972E+21	4,033040E+21	2,952373E+21	1,199506E+21	1,189096E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188628E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1632	1,199361E+21	2,952393E+21	4,033249E+21	4,033201E+21	2,952327E+21	1,199363E+21	1,188779E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189198E+20
-1631	1,199555E+21	2,952483E+21	4,033200E+21	4,033154E+21	2,952363E+21	1,199408E+21	1,188648E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188590E+20
-1630	1,199361E+21	2,952345E+21	4,033295E+21	4,033409E+21	2,952610E+21	1,199575E+21	1,189104E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188744E+20
-1629	1,199499E+21	2,952616E+21	4,033483E+21	4,033451E+21	2,952509E+21	1,199390E+21	1,188515E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189033E+20
-1628	1,199594E+21	2,952652E+21	4,033426E+21	4,033435E+21	2,952669E+21	1,199565E+21	1,188691E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188382E+20
-1627	1,199417E+21	2,952620E+21	4,033668E+21	4,033708E+21	2,952790E+21	1,199606E+21	1,188963E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188886E+20
-1626	1,199635E+21	2,952859E+21	4,033740E+21	4,033646E+21	2,952636E+21	1,199429E+21	1,188327E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188724E+20
-1625	1,199562E+21	2,952709E+21	4,033604E+21	4,033678E+21	2,952832E+21	1,199636E+21	1,188827E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188377E+20
-1624	1,199449E+21	2,952720E+21	4,033764E+21	4,033773E+21	2,952787E+21	1,199542E+21	1,188749E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189053E+20
-1623	1,199658E+21	2,952800E+21	4,033629E+21	4,033560E+21	2,952630E+21	1,199461E+21	1,188389E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188589E+20
-1622	1,199477E+21	2,952547E+21	4,033470E+21	4,033560E+21	2,952733E+21	1,199623E+21	1,189051E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188630E+20
-1621	1,199475E+21	2,952631E+21	4,033498E+21	4,033432E+21	2,952490E+21	1,199398E+21	1,188604E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189075E+20
-1620	1,199560E+21	2,952548E+21	4,033254E+21	4,033176E+21	2,952407E+21	1,199448E+21	1,188730E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188567E+20
-1619	1,199304E+21	2,952230E+21	4,033154E+21	4,033227E+21	2,952444E+21	1,199511E+21	1,189208E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188973E+20
-1618	1,199437E+21	2,952333E+21	4,033048E+21	4,032977E+21	2,952137E+21	1,199253E+21	1,188564E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189144E+20
-1617	1,199424E+21	2,952137E+21	4,032747E+21	4,032785E+21	2,952180E+21	1,199413E+21	1,189016E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188679E+20
-1616	1,199239E+21	2,952040E+21	4,032837E+21	4,032863E+21	2,952153E+21	1,199366E+21	1,189085E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189242E+20
-1615	1,199456E+21	2,952214E+21	4,032812E+21	4,032705E+21	2,951968E+21	1,199235E+21	1,188667E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188951E+20
-1614	1,199318E+21	2,952016E+21	4,032718E+21	4,032804E+21	2,952190E+21	1,199449E+21	1,189217E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188675E+20
-1613	1,199269E+21	2,952138E+21	4,032924E+21	4,032906E+21	2,952133E+21	1,199308E+21	1,188902E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189270E+20
-1612	1,199477E+21	2,952262E+21	4,032908E+21	4,032849E+21	2,952154E+21	1,199345E+21	1,188729E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188705E+20
-1611	1,199299E+21	2,952116E+21	4,032989E+21	4,033122E+21	2,952406E+21	1,199508E+21	1,189178E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188840E+20
-1610	1,199450E+21	2,952436E+21	4,033185E+21	4,033133E+21	2,952282E+21	1,199316E+21	1,188581E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189125E+20
-1609	1,199533E+21	2,952470E+21	4,033174E+21	4,033143E+21	2,952425E+21	1,199476E+21	1,188735E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188446E+20
-1608	1,199339E+21	2,952388E+21	4,033377E+21	4,033427E+21	2,952575E+21	1,199537E+21	1,189062E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188970E+20
-1607	1,199553E+21	2,952613E+21	4,033443E+21	4,033378E+21	2,952437E+21	1,199367E+21	1,188451E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188827E+20
-1606	1,199485E+21	2,952457E+21	4,033273E+21	4,033370E+21	2,952616E+21	1,199566E+21	1,188919E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188488E+20
-1605	1,199377E+21	2,952462E+21	4,033374E+21	4,033381E+21	2,952520E+21	1,199464E+21	1,188860E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189141E+20
-1604	1,199582E+21	2,952578E+21	4,033294E+21	4,033170E+21	2,952343E+21	1,199375E+21	1,188504E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188694E+20
-1603	1,199385E+21	2,952280E+21	4,033133E+21	4,033217E+21	2,952465E+21	1,199536E+21	1,189178E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188727E+20
-1602	1,199384E+21	2,952366E+21	4,033139E+21	4,033073E+21	2,952216E+21	1,199304E+21	1,188707E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189213E+20
-1601	1,199469E+21	2,952263E+21	4,032883E+21	4,032808E+21	2,952125E+21	1,199342E+21	1,188788E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188708E+20
-1600	1,199221E+21	2,951932E+21	4,032748E+21	4,032846E+21	2,952181E+21	1,199426E+21	1,189295E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189101E+20
-1599	1,199362E+21	2,952070E+21	4,032688E+21	4,032627E+21	2,951883E+21	1,199178E+21	1,188694E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189241E+20
-1598	1,199346E+21	2,951897E+21	4,032412E+21	4,032444E+21	2,951935E+21	1,199341E+21	1,189136E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188732E+20
-1597	1,199149E+21	2,951794E+21	4,032495E+21	4,032505E+21	2,951890E+21	1,199295E+21	1,189238E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189286E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1596	1,199360E+21	2,951978E+21	4,032512E+21	4,032385E+21	2,951725E+21	1,199162E+21	1,188802E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189049E+20
-1595	1,199228E+21	2,951746E+21	4,032393E+21	4,032520E+21	2,951984E+21	1,199377E+21	1,189311E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188799E+20
-1594	1,199212E+21	2,951922E+21	4,032595E+21	4,032583E+21	2,951904E+21	1,199229E+21	1,188960E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189414E+20
-1593	1,199429E+21	2,952070E+21	4,032618E+21	4,032540E+21	2,951914E+21	1,199254E+21	1,188739E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188793E+20
-1592	1,199246E+21	2,951927E+21	4,032708E+21	4,032834E+21	2,952199E+21	1,199444E+21	1,189251E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188894E+20
-1591	1,199376E+21	2,952242E+21	4,032955E+21	4,032904E+21	2,952092E+21	1,199260E+21	1,188706E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189160E+20
-1590	1,199444E+21	2,952246E+21	4,032912E+21	4,032909E+21	2,952247E+21	1,199416E+21	1,188833E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188509E+20
-1589	1,199252E+21	2,952131E+21	4,033026E+21	4,033101E+21	2,952355E+21	1,199474E+21	1,189177E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189064E+20
-1588	1,199478E+21	2,952380E+21	4,033107E+21	4,033027E+21	2,952190E+21	1,199292E+21	1,188542E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188968E+20
-1587	1,199422E+21	2,952214E+21	4,032925E+21	4,033030E+21	2,952368E+21	1,199481E+21	1,189003E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188616E+20
-1586	1,199323E+21	2,952259E+21	4,033034E+21	4,033006E+21	2,952238E+21	1,199371E+21	1,188947E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189253E+20
-1585	1,199505E+21	2,952354E+21	4,032991E+21	4,032831E+21	2,952053E+21	1,199269E+21	1,188580E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188792E+20
-1584	1,199290E+21	2,952000E+21	4,032776E+21	4,032885E+21	2,952215E+21	1,199453E+21	1,189302E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188832E+20
-1583	1,199278E+21	2,952061E+21	4,032773E+21	4,032746E+21	2,951979E+21	1,199232E+21	1,188861E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189326E+20
-1582	1,199374E+21	2,951964E+21	4,032485E+21	4,032443E+21	2,951871E+21	1,199265E+21	1,188912E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188817E+20
-1581	1,199132E+21	2,951639E+21	4,032302E+21	4,032403E+21	2,951883E+21	1,199346E+21	1,189438E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189170E+20
-1580	1,199268E+21	2,951819E+21	4,032321E+21	4,032218E+21	2,951588E+21	1,199095E+21	1,188839E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189329E+20
-1579	1,199249E+21	2,951630E+21	4,032073E+21	4,032108E+21	2,951670E+21	1,199252E+21	1,189253E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188823E+20
-1578	1,199067E+21	2,951551E+21	4,032157E+21	4,032171E+21	2,951634E+21	1,199203E+21	1,189322E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189417E+20
-1577	1,199286E+21	2,951743E+21	4,032206E+21	4,032086E+21	2,951486E+21	1,199064E+21	1,188828E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189184E+20
-1576	1,199171E+21	2,951522E+21	4,032078E+21	4,032230E+21	2,951779E+21	1,199305E+21	1,189358E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188912E+20
-1575	1,199157E+21	2,951728E+21	4,032332E+21	4,032328E+21	2,951719E+21	1,199175E+21	1,189060E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189480E+20
-1574	1,199366E+21	2,951892E+21	4,032369E+21	4,032286E+21	2,951729E+21	1,199200E+21	1,188829E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188825E+20
-1573	1,199165E+21	2,951716E+21	4,032409E+21	4,032532E+21	2,951982E+21	1,199387E+21	1,189385E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188931E+20
-1572	1,199284E+21	2,952015E+21	4,032662E+21	4,032615E+21	2,951884E+21	1,199197E+21	1,188823E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189262E+20
-1571	1,199363E+21	2,951988E+21	4,032578E+21	4,032612E+21	2,952035E+21	1,199342E+21	1,188918E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188648E+20
-1570	1,199204E+21	2,951920E+21	4,032681E+21	4,032743E+21	2,952095E+21	1,199384E+21	1,189240E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189209E+20
-1569	1,199427E+21	2,952186E+21	4,032802E+21	4,032686E+21	2,951915E+21	1,199189E+21	1,188581E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189069E+20
-1568	1,199357E+21	2,952008E+21	4,032623E+21	4,032712E+21	2,952123E+21	1,199402E+21	1,189101E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188690E+20
-1567	1,199229E+21	2,952023E+21	4,032761E+21	4,032735E+21	2,952016E+21	1,199304E+21	1,189098E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189310E+20
-1566	1,199395E+21	2,952072E+21	4,032653E+21	4,032537E+21	2,951840E+21	1,199198E+21	1,188708E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188881E+20
-1565	1,199182E+21	2,951682E+21	4,032340E+21	4,032486E+21	2,951954E+21	1,199381E+21	1,189450E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188943E+20
-1564	1,199179E+21	2,951759E+21	4,032346E+21	4,032327E+21	2,951693E+21	1,199147E+21	1,188990E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189461E+20
-1563	1,199286E+21	2,951664E+21	4,032059E+21	4,032030E+21	2,951579E+21	1,199171E+21	1,189029E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188950E+20
-1562	1,199065E+21	2,951402E+21	4,031919E+21	4,031975E+21	2,951558E+21	1,199238E+21	1,189530E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189291E+20
-1561	1,199187E+21	2,951584E+21	4,032000E+21	4,031860E+21	2,951282E+21	1,198979E+21	1,188909E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189447E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1560	1,199168E+21	2,951378E+21	4,031744E+21	4,031799E+21	2,951436E+21	1,199165E+21	1,189328E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188951E+20
-1559	1,198990E+21	2,951311E+21	4,031860E+21	4,031896E+21	2,951433E+21	1,199137E+21	1,189425E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189530E+20
-1558	1,199221E+21	2,951520E+21	4,031900E+21	4,031807E+21	2,951295E+21	1,199001E+21	1,188908E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189258E+20
-1557	1,199101E+21	2,951306E+21	4,031744E+21	4,031895E+21	2,951559E+21	1,199248E+21	1,189475E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188946E+20
-1556	1,199072E+21	2,951525E+21	4,032052E+21	4,032026E+21	2,951506E+21	1,199120E+21	1,189193E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189515E+20
-1555	1,199269E+21	2,951653E+21	4,032085E+21	4,032023E+21	2,951530E+21	1,199136E+21	1,188940E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188901E+20
-1554	1,199094E+21	2,951499E+21	4,032096E+21	4,032219E+21	2,951754E+21	1,199307E+21	1,189458E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189057E+20
-1553	1,199219E+21	2,951800E+21	4,032365E+21	4,032312E+21	2,951647E+21	1,199104E+21	1,188852E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189402E+20
-1552	1,199315E+21	2,951783E+21	4,032270E+21	4,032312E+21	2,951817E+21	1,199262E+21	1,188963E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188774E+20
-1551	1,199149E+21	2,951733E+21	4,032417E+21	4,032466E+21	2,951885E+21	1,199317E+21	1,189340E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189281E+20
-1550	1,199355E+21	2,951989E+21	4,032535E+21	4,032409E+21	2,951704E+21	1,199122E+21	1,188694E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189112E+20
-1549	1,199256E+21	2,951749E+21	4,032278E+21	4,032371E+21	2,951876E+21	1,199335E+21	1,189270E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188752E+20
-1548	1,199111E+21	2,951720E+21	4,032382E+21	4,032385E+21	2,951779E+21	1,199234E+21	1,189254E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189419E+20
-1547	1,199287E+21	2,951742E+21	4,032222E+21	4,032149E+21	2,951578E+21	1,199112E+21	1,188832E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189054E+20
-1546	1,199114E+21	2,951402E+21	4,031887E+21	4,032016E+21	2,951626E+21	1,199273E+21	1,189533E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189106E+20
-1545	1,199109E+21	2,951506E+21	4,031957E+21	4,031899E+21	2,951359E+21	1,199025E+21	1,189042E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189588E+20
-1544	1,199213E+21	2,951423E+21	4,031709E+21	4,031655E+21	2,951285E+21	1,199068E+21	1,189116E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189050E+20
-1543	1,198973E+21	2,951161E+21	4,031633E+21	4,031678E+21	2,951311E+21	1,199152E+21	1,189646E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189369E+20
-1542	1,199093E+21	2,951330E+21	4,031690E+21	4,031580E+21	2,951077E+21	1,198908E+21	1,189015E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189533E+20
-1541	1,199076E+21	2,951110E+21	4,031379E+21	4,031457E+21	2,951213E+21	1,199103E+21	1,189450E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189046E+20
-1540	1,198910E+21	2,951064E+21	4,031518E+21	4,031571E+21	2,951223E+21	1,199078E+21	1,189544E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189612E+20
-1539	1,199143E+21	2,951280E+21	4,031566E+21	4,031491E+21	2,951085E+21	1,198939E+21	1,189016E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189347E+20
-1538	1,199041E+21	2,951114E+21	4,031436E+21	4,031547E+21	2,951304E+21	1,199168E+21	1,189561E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189027E+20
-1537	1,198995E+21	2,951311E+21	4,031782E+21	4,031738E+21	2,951262E+21	1,199027E+21	1,189251E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189609E+20
-1536	1,199197E+21	2,951425E+21	4,031792E+21	4,031752E+21	2,951330E+21	1,199059E+21	1,188996E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189029E+20
-1535	1,199036E+21	2,951297E+21	4,031834E+21	4,031954E+21	2,951557E+21	1,199239E+21	1,189530E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189179E+20
-1534	1,199172E+21	2,951610E+21	4,032085E+21	4,032033E+21	2,951452E+21	1,199040E+21	1,188927E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189471E+20
-1533	1,199250E+21	2,951585E+21	4,031963E+21	4,031983E+21	2,951591E+21	1,199200E+21	1,189084E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188824E+20
-1532	1,199063E+21	2,951516E+21	4,032125E+21	4,032161E+21	2,951665E+21	1,199254E+21	1,189483E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189316E+20
-1531	1,199242E+21	2,951706E+21	4,032199E+21	4,032109E+21	2,951488E+21	1,199052E+21	1,188827E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189215E+20
-1530	1,199166E+21	2,951471E+21	4,031891E+21	4,031985E+21	2,951603E+21	1,199242E+21	1,189366E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188914E+20
-1529	1,199027E+21	2,951430E+21	4,031989E+21	4,031990E+21	2,951480E+21	1,199124E+21	1,189304E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189580E+20
-1528	1,199218E+21	2,951470E+21	4,031820E+21	4,031748E+21	2,951293E+21	1,199013E+21	1,188901E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189214E+20
-1527	1,199049E+21	2,951174E+21	4,031551E+21	4,031636E+21	2,951339E+21	1,199178E+21	1,189633E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189202E+20
-1526	1,199030E+21	2,951273E+21	4,031637E+21	4,031550E+21	2,951090E+21	1,198938E+21	1,189161E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189639E+20
-1525	1,199105E+21	2,951146E+21	4,031352E+21	4,031297E+21	2,951019E+21	1,198988E+21	1,189278E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189125E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1524	1,198862E+21	2,950865E+21	4,031264E+21	4,031345E+21	2,951086E+21	1,199081E+21	1,189791E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189462E+20
-1523	1,198991E+21	2,951025E+21	4,031300E+21	4,031237E+21	2,950856E+21	1,198842E+21	1,189150E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189676E+20
-1522	1,199012E+21	2,950864E+21	4,030998E+21	4,031058E+21	2,950939E+21	1,199017E+21	1,189536E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189171E+20
-1521	1,198843E+21	2,950841E+21	4,031201E+21	4,031222E+21	2,950952E+21	1,198984E+21	1,189601E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189693E+20
-1520	1,199070E+21	2,951064E+21	4,031278E+21	4,031192E+21	2,950857E+21	1,198860E+21	1,189087E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189429E+20
-1519	1,198964E+21	2,950909E+21	4,031195E+21	4,031293E+21	2,951101E+21	1,199095E+21	1,189636E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189110E+20
-1518	1,198929E+21	2,951101E+21	4,031515E+21	4,031489E+21	2,951087E+21	1,198964E+21	1,189318E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189689E+20
-1517	1,199130E+21	2,951204E+21	4,031483E+21	4,031447E+21	2,951125E+21	1,199000E+21	1,189093E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189122E+20
-1516	1,198976E+21	2,951092E+21	4,031539E+21	4,031668E+21	2,951365E+21	1,199180E+21	1,189631E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189247E+20
-1515	1,199102E+21	2,951401E+21	4,031794E+21	4,031739E+21	2,951252E+21	1,198983E+21	1,189045E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189551E+20
-1514	1,199184E+21	2,951386E+21	4,031666E+21	4,031636E+21	2,951328E+21	1,199117E+21	1,189184E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,188920E+20
-1513	1,198976E+21	2,951265E+21	4,031818E+21	4,031848E+21	2,951409E+21	1,199158E+21	1,189551E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189423E+20
-1512	1,199153E+21	2,951426E+21	4,031837E+21	4,031775E+21	2,951251E+21	1,198965E+21	1,188900E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189372E+20
-1511	1,199093E+21	2,951214E+21	4,031544E+21	4,031621E+21	2,951340E+21	1,199154E+21	1,189455E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189059E+20
-1510	1,198965E+21	2,951181E+21	4,031623E+21	4,031613E+21	2,951214E+21	1,199038E+21	1,189396E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189652E+20
-1509	1,199129E+21	2,951210E+21	4,031441E+21	4,031339E+21	2,950999E+21	1,198931E+21	1,189055E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189279E+20
-1508	1,198945E+21	2,950903E+21	4,031202E+21	4,031282E+21	2,951075E+21	1,199096E+21	1,189785E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189248E+20
-1507	1,198909E+21	2,950963E+21	4,031265E+21	4,031212E+21	2,950850E+21	1,198863E+21	1,189317E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189758E+20
-1506	1,199012E+21	2,950856E+21	4,030957E+21	4,030901E+21	2,950738E+21	1,198895E+21	1,189381E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189291E+20
-1505	1,198784E+21	2,950583E+21	4,030889E+21	4,030975E+21	2,950806E+21	1,198978E+21	1,189838E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189608E+20
-1504	1,198927E+21	2,950772E+21	4,030934E+21	4,030882E+21	2,950610E+21	1,198757E+21	1,189216E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189816E+20
-1503	1,198953E+21	2,950668E+21	4,030718E+21	4,030729E+21	2,950691E+21	1,198938E+21	1,189615E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189260E+20
-1502	1,198778E+21	2,950636E+21	4,030927E+21	4,030931E+21	2,950728E+21	1,198913E+21	1,189694E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189718E+20
-1501	1,198975E+21	2,950820E+21	4,030972E+21	4,030896E+21	2,950643E+21	1,198799E+21	1,189214E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189502E+20
-1500	1,198884E+21	2,950671E+21	4,030885E+21	4,031014E+21	2,950912E+21	1,199033E+21	1,189737E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189193E+20
-1499	1,198857E+21	2,950864E+21	4,031190E+21	4,031191E+21	2,950895E+21	1,198911E+21	1,189432E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189808E+20
-1498	1,199085E+21	2,951018E+21	4,031178E+21	4,031106E+21	2,950877E+21	1,198921E+21	1,189164E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189224E+20
-1497	1,198920E+21	2,950908E+21	4,031280E+21	4,031367E+21	2,951115E+21	1,199092E+21	1,189684E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189308E+20
-1496	1,199023E+21	2,951188E+21	4,031527E+21	4,031468E+21	2,951040E+21	1,198910E+21	1,189127E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189626E+20
-1495	1,199096E+21	2,951163E+21	4,031406E+21	4,031364E+21	2,951114E+21	1,199041E+21	1,189269E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189031E+20
-1494	1,198899E+21	2,951005E+21	4,031486E+21	4,031541E+21	2,951195E+21	1,199087E+21	1,189637E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189503E+20
-1493	1,199061E+21	2,951140E+21	4,031449E+21	4,031400E+21	2,950999E+21	1,198894E+21	1,189027E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189489E+20
-1492	1,199015E+21	2,950945E+21	4,031155E+21	4,031245E+21	2,951082E+21	1,199074E+21	1,189584E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189139E+20
-1491	1,198874E+21	2,950911E+21	4,031242E+21	4,031224E+21	2,950941E+21	1,198963E+21	1,189553E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189747E+20
-1490	1,199039E+21	2,950946E+21	4,031069E+21	4,030925E+21	2,950675E+21	1,198827E+21	1,189187E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189402E+20
-1489	1,198845E+21	2,950609E+21	4,030837E+21	4,030916E+21	2,950775E+21	1,198983E+21	1,189857E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189390E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1488	1,198819E+21	2,950664E+21	4,030870E+21	4,030845E+21	2,950592E+21	1,198771E+21	1,189400E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189939E+20
-1487	1,198944E+21	2,950604E+21	4,030606E+21	4,030532E+21	2,950471E+21	1,198806E+21	1,189461E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189452E+20
-1486	1,198731E+21	2,950354E+21	4,030545E+21	4,030627E+21	2,950558E+21	1,198898E+21	1,189915E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189656E+20
-1485	1,198838E+21	2,950533E+21	4,030599E+21	4,030527E+21	2,950355E+21	1,198690E+21	1,189360E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189857E+20
-1484	1,198855E+21	2,950418E+21	4,030409E+21	4,030437E+21	2,950474E+21	1,198872E+21	1,189748E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189281E+20
-1483	1,198675E+21	2,950371E+21	4,030605E+21	4,030646E+21	2,950533E+21	1,198857E+21	1,189830E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189812E+20
-1482	1,198902E+21	2,950584E+21	4,030640E+21	4,030559E+21	2,950402E+21	1,198722E+21	1,189298E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189638E+20
-1481	1,198831E+21	2,950462E+21	4,030592E+21	4,030715E+21	2,950676E+21	1,198944E+21	1,189754E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189318E+20
-1480	1,198816E+21	2,950683E+21	4,030909E+21	4,030906E+21	2,950690E+21	1,198840E+21	1,189487E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189917E+20
-1479	1,199036E+21	2,950872E+21	4,030967E+21	4,030841E+21	2,950660E+21	1,198849E+21	1,189231E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189303E+20
-1478	1,198858E+21	2,950720E+21	4,031042E+21	4,031123E+21	2,950915E+21	1,199024E+21	1,189771E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189324E+20
-1477	1,198916E+21	2,950923E+21	4,031210E+21	4,031180E+21	2,950835E+21	1,198851E+21	1,189261E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189703E+20
-1476	1,199002E+21	2,950879E+21	4,031043E+21	4,031053E+21	2,950906E+21	1,198977E+21	1,189396E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189134E+20
-1475	1,198816E+21	2,950723E+21	4,031084E+21	4,031167E+21	2,950953E+21	1,199023E+21	1,189778E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189636E+20
-1474	1,198993E+21	2,950891E+21	4,031052E+21	4,030966E+21	2,950683E+21	1,198797E+21	1,189136E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189620E+20
-1473	1,198940E+21	2,950702E+21	4,030808E+21	4,030855E+21	2,950757E+21	1,198958E+21	1,189646E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189246E+20
-1472	1,198783E+21	2,950645E+21	4,030890E+21	4,030871E+21	2,950662E+21	1,198862E+21	1,189642E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189871E+20
-1471	1,198949E+21	2,950691E+21	4,030747E+21	4,030588E+21	2,950407E+21	1,198728E+21	1,189275E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189563E+20
-1470	1,198771E+21	2,950339E+21	4,030472E+21	4,030568E+21	2,950523E+21	1,198896E+21	1,189938E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189482E+20
-1469	1,198722E+21	2,950372E+21	4,030475E+21	4,030468E+21	2,950337E+21	1,198703E+21	1,189542E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190047E+20
-1468	1,198862E+21	2,950337E+21	4,030230E+21	4,030180E+21	2,950230E+21	1,198737E+21	1,189606E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189512E+20
-1467	1,198638E+21	2,950092E+21	4,030178E+21	4,030265E+21	2,950312E+21	1,198838E+21	1,190081E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189716E+20
-1466	1,198740E+21	2,950273E+21	4,030250E+21	4,030161E+21	2,950073E+21	1,198602E+21	1,189487E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189952E+20
-1465	1,198764E+21	2,950155E+21	4,030080E+21	4,030117E+21	2,950211E+21	1,198770E+21	1,189795E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189401E+20
-1464	1,198606E+21	2,950131E+21	4,030270E+21	4,030332E+21	2,950309E+21	1,198778E+21	1,189893E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189965E+20
-1463	1,198857E+21	2,950411E+21	4,030375E+21	4,030264E+21	2,950176E+21	1,198643E+21	1,189352E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189771E+20
-1462	1,198797E+21	2,950306E+21	4,030343E+21	4,030447E+21	2,950472E+21	1,198873E+21	1,189806E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189342E+20
-1461	1,198736E+21	2,950489E+21	4,030653E+21	4,030640E+21	2,950493E+21	1,198789E+21	1,189616E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189943E+20
-1460	1,198943E+21	2,950641E+21	4,030696E+21	4,030614E+21	2,950489E+21	1,198793E+21	1,189354E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189337E+20
-1459	1,198759E+21	2,950457E+21	4,030707E+21	4,030842E+21	2,950734E+21	1,198975E+21	1,189910E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189429E+20
-1458	1,198830E+21	2,950653E+21	4,030835E+21	4,030814E+21	2,950576E+21	1,198770E+21	1,189356E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189850E+20
-1457	1,198937E+21	2,950628E+21	4,030680E+21	4,030685E+21	2,950619E+21	1,198872E+21	1,189435E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189289E+20
-1456	1,198762E+21	2,950501E+21	4,030722E+21	4,030788E+21	2,950675E+21	1,198930E+21	1,189854E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189772E+20
-1455	1,198931E+21	2,950699E+21	4,030755E+21	4,030604E+21	2,950390E+21	1,198699E+21	1,189229E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189740E+20
-1454	1,198866E+21	2,950470E+21	4,030498E+21	4,030535E+21	2,950493E+21	1,198860E+21	1,189735E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189306E+20
-1453	1,198669E+21	2,950347E+21	4,030515E+21	4,030526E+21	2,950412E+21	1,198785E+21	1,189786E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189976E+20

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1452	1,198846E+21	2,950376E+21	4,030340E+21	4,030244E+21	2,950172E+21	1,198655E+21	1,189428E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189671E+20
-1451	1,198678E+21	2,950042E+21	4,030052E+21	4,030180E+21	2,950272E+21	1,198833E+21	1,190102E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189593E+20
-1450	1,198631E+21	2,950096E+21	4,030069E+21	4,030037E+21	2,950026E+21	1,198614E+21	1,189685E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190137E+20
-1449	1,198767E+21	2,950071E+21	4,029875E+21	4,029803E+21	2,949925E+21	1,198633E+21	1,189689E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189602E+20
-1448	1,198545E+21	2,949828E+21	4,029824E+21	4,029922E+21	2,950053E+21	1,198746E+21	1,190164E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189833E+20
-1447	1,198661E+21	2,950044E+21	4,029940E+21	4,029841E+21	2,949828E+21	1,198511E+21	1,189549E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190111E+20
-1446	1,198714E+21	2,949946E+21	4,029781E+21	4,029826E+21	2,949992E+21	1,198684E+21	1,189821E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189492E+20
-1445	1,198542E+21	2,949922E+21	4,029970E+21	4,030040E+21	2,950105E+21	1,198716E+21	1,189986E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190059E+20
-1444	1,198802E+21	2,950220E+21	4,030104E+21	4,030017E+21	2,950001E+21	1,198591E+21	1,189469E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189807E+20
-1443	1,198722E+21	2,950116E+21	4,030079E+21	4,030184E+21	2,950287E+21	1,198829E+21	1,189952E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189390E+20
-1442	1,198642E+21	2,950255E+21	4,030357E+21	4,030342E+21	2,950265E+21	1,198718E+21	1,189736E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190021E+20
-1441	1,198853E+21	2,950385E+21	4,030372E+21	4,030310E+21	2,950255E+21	1,198704E+21	1,189399E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189477E+20
-1440	1,198695E+21	2,950209E+21	4,030335E+21	4,030492E+21	2,950498E+21	1,198894E+21	1,189976E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189596E+20
-1439	1,198783E+21	2,950459E+21	4,030515E+21	4,030460E+21	2,950310E+21	1,198678E+21	1,189417E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190000E+20
-1438	1,198893E+21	2,950443E+21	4,030378E+21	4,030344E+21	2,950350E+21	1,198776E+21	1,189501E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189330E+20
-1437	1,198664E+21	2,950263E+21	4,030411E+21	4,030457E+21	2,950417E+21	1,198853E+21	1,189997E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189817E+20
-1436	1,198820E+21	2,950420E+21	4,030424E+21	4,030318E+21	2,950170E+21	1,198627E+21	1,189388E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189796E+20
-1435	1,198750E+21	2,950166E+21	4,030108E+21	4,030189E+21	2,950266E+21	1,198799E+21	1,189905E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189426E+20
-1434	1,198563E+21	2,950026E+21	4,030086E+21	4,030114E+21	2,950125E+21	1,198698E+21	1,189919E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190116E+20
-1433	1,198759E+21	2,950079E+21	4,029922E+21	4,029834E+21	2,949870E+21	1,198551E+21	1,189507E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189829E+20
-1432	1,198604E+21	2,949778E+21	4,029640E+21	4,029759E+21	2,949978E+21	1,198738E+21	1,190202E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189724E+20
-1431	1,198552E+21	2,949865E+21	4,029737E+21	4,029656E+21	2,949721E+21	1,198510E+21	1,189778E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190260E+20
-1430	1,198687E+21	2,949823E+21	4,029546E+21	4,029471E+21	2,949656E+21	1,198528E+21	1,189751E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189677E+20
-1429	1,198447E+21	2,949556E+21	4,029473E+21	4,029591E+21	2,949817E+21	1,198668E+21	1,190265E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189953E+20
-1428	1,198590E+21	2,949793E+21	4,029603E+21	4,029548E+21	2,949630E+21	1,198449E+21	1,189670E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190209E+20
-1427	1,198654E+21	2,949743E+21	4,029470E+21	4,029523E+21	2,949796E+21	1,198634E+21	1,189943E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189578E+20
-1426	1,198476E+21	2,949725E+21	4,029681E+21	4,029720E+21	2,949869E+21	1,198648E+21	1,190100E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190111E+20
-1425	1,198720E+21	2,950011E+21	4,029844E+21	4,029746E+21	2,949779E+21	1,198511E+21	1,189532E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189872E+20
-1424	1,198639E+21	2,949892E+21	4,029786E+21	4,029910E+21	2,950088E+21	1,198758E+21	1,190024E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189500E+20
-1423	1,198570E+21	2,950040E+21	4,030065E+21	4,030045E+21	2,950047E+21	1,198641E+21	1,189796E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190157E+20
-1422	1,198798E+21	2,950172E+21	4,030067E+21	4,030007E+21	2,950034E+21	1,198620E+21	1,189434E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189569E+20
-1421	1,198630E+21	2,949993E+21	4,030012E+21	4,030160E+21	2,950265E+21	1,198824E+21	1,190075E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189692E+20
-1420	1,198717E+21	2,950239E+21	4,030202E+21	4,030154E+21	2,950091E+21	1,198616E+21	1,189562E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190042E+20
-1419	1,198802E+21	2,950214E+21	4,030071E+21	4,030030E+21	2,950118E+21	1,198712E+21	1,189666E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189398E+20
-1418	1,198553E+21	2,949974E+21	4,030052E+21	4,030101E+21	2,950144E+21	1,198763E+21	1,190132E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189913E+20
-1417	1,198711E+21	2,950106E+21	4,030026E+21	4,029946E+21	2,949897E+21	1,198527E+21	1,189472E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189963E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1416	1,198668E+21	2,949870E+21	4,029676E+21	4,029771E+21	2,949982E+21	1,198705E+21	1,190005E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189618E+20
-1415	1,198498E+21	2,949776E+21	4,029696E+21	4,029691E+21	2,949817E+21	1,198595E+21	1,190001E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190268E+20
-1414	1,198693E+21	2,949841E+21	4,029562E+21	4,029442E+21	2,949571E+21	1,198444E+21	1,189581E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189901E+20
-1413	1,198502E+21	2,949508E+21	4,029283E+21	4,029387E+21	2,949698E+21	1,198649E+21	1,190321E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189802E+20
-1412	1,198450E+21	2,949573E+21	4,029381E+21	4,029345E+21	2,949494E+21	1,198434E+21	1,189917E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190332E+20
-1411	1,198591E+21	2,949552E+21	4,029191E+21	4,029140E+21	2,949434E+21	1,198464E+21	1,189885E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189794E+20
-1410	1,198365E+21	2,949294E+21	4,029117E+21	4,029235E+21	2,949561E+21	1,198586E+21	1,190364E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190067E+20
-1409	1,198528E+21	2,949573E+21	4,029283E+21	4,029220E+21	2,949394E+21	1,198370E+21	1,189741E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190323E+20
-1408	1,198597E+21	2,949552E+21	4,029175E+21	4,029204E+21	2,949573E+21	1,198566E+21	1,190033E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189671E+20
-1407	1,198411E+21	2,949549E+21	4,029440E+21	4,029443E+21	2,949642E+21	1,198570E+21	1,190179E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190188E+20
-1406	1,198645E+21	2,949796E+21	4,029579E+21	4,029490E+21	2,949575E+21	1,198428E+21	1,189578E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189922E+20
-1405	1,198548E+21	2,949640E+21	4,029466E+21	4,029609E+21	2,949888E+21	1,198695E+21	1,190115E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189609E+20
-1404	1,198503E+21	2,949792E+21	4,029738E+21	4,029758E+21	2,949857E+21	1,198586E+21	1,189915E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190234E+20
-1403	1,198733E+21	2,949963E+21	4,029751E+21	4,029682E+21	2,949817E+21	1,198565E+21	1,189569E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189648E+20
-1402	1,198551E+21	2,949769E+21	4,029698E+21	4,029806E+21	2,949996E+21	1,198741E+21	1,190194E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189754E+20
-1401	1,198625E+21	2,949993E+21	4,029892E+21	4,029827E+21	2,949833E+21	1,198525E+21	1,189651E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190138E+20
-1400	1,198709E+21	2,949945E+21	4,029716E+21	4,029687E+21	2,949870E+21	1,198622E+21	1,189756E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189558E+20
-1399	1,198475E+21	2,949714E+21	4,029692E+21	4,029734E+21	2,949873E+21	1,198663E+21	1,190193E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190081E+20
-1398	1,198644E+21	2,949842E+21	4,029651E+21	4,029574E+21	2,949624E+21	1,198423E+21	1,189520E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190092E+20
-1397	1,198589E+21	2,949603E+21	4,029288E+21	4,029370E+21	2,949706E+21	1,198622E+21	1,190121E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189744E+20
-1396	1,198418E+21	2,949504E+21	4,029328E+21	4,029329E+21	2,949558E+21	1,198522E+21	1,190161E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190315E+20
-1395	1,198587E+21	2,949570E+21	4,029210E+21	4,029081E+21	2,949308E+21	1,198373E+21	1,189757E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189982E+20
-1394	1,198387E+21	2,949198E+21	4,028893E+21	4,029002E+21	2,949408E+21	1,198551E+21	1,190443E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189905E+20
-1393	1,198354E+21	2,949273E+21	4,028987E+21	4,028965E+21	2,949226E+21	1,198342E+21	1,190005E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190485E+20
-1392	1,198525E+21	2,949302E+21	4,028822E+21	4,028768E+21	2,949177E+21	1,198380E+21	1,189973E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189955E+20
-1391	1,198320E+21	2,949109E+21	4,028817E+21	4,028890E+21	2,949299E+21	1,198498E+21	1,190430E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190165E+20
-1390	1,198468E+21	2,949387E+21	4,029023E+21	4,028933E+21	2,949168E+21	1,198289E+21	1,189807E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190348E+20
-1389	1,198503E+21	2,949331E+21	4,028915E+21	4,028940E+21	2,949374E+21	1,198502E+21	1,190128E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189730E+20
-1388	1,198322E+21	2,949287E+21	4,029146E+21	4,029206E+21	2,949480E+21	1,198521E+21	1,190300E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190230E+20
-1387	1,198557E+21	2,949551E+21	4,029268E+21	4,029210E+21	2,949397E+21	1,198381E+21	1,189689E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190025E+20
-1386	1,198477E+21	2,949398E+21	4,029129E+21	4,029268E+21	2,949645E+21	1,198617E+21	1,190195E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189717E+20
-1385	1,198449E+21	2,949581E+21	4,029416E+21	4,029413E+21	2,949614E+21	1,198509E+21	1,189989E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190344E+20
-1384	1,198676E+21	2,949770E+21	4,029455E+21	4,029343E+21	2,949564E+21	1,198485E+21	1,189664E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189766E+20
-1383	1,198487E+21	2,949573E+21	4,029425E+21	4,029492E+21	2,949729E+21	1,198641E+21	1,190260E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189864E+20
-1382	1,198545E+21	2,949748E+21	4,029578E+21	4,029521E+21	2,949594E+21	1,198428E+21	1,189701E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190236E+20
-1381	1,198617E+21	2,949664E+21	4,029349E+21	4,029332E+21	2,949627E+21	1,198543E+21	1,189854E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189717E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1380	1,198403E+21	2,949426E+21	4,029307E+21	4,029385E+21	2,949637E+21	1,198596E+21	1,190334E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190161E+20
-1379	1,198557E+21	2,949582E+21	4,029279E+21	4,029190E+21	2,949363E+21	1,198358E+21	1,189688E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190171E+20
-1378	1,198481E+21	2,949311E+21	4,028906E+21	4,028954E+21	2,949390E+21	1,198529E+21	1,190275E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189806E+20
-1377	1,198306E+21	2,949198E+21	4,028938E+21	4,028936E+21	2,949265E+21	1,198427E+21	1,190284E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190408E+20
-1376	1,198479E+21	2,949261E+21	4,028800E+21	4,028684E+21	2,949027E+21	1,198280E+21	1,189878E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190143E+20
-1375	1,198311E+21	2,948933E+21	4,028521E+21	4,028619E+21	2,949119E+21	1,198445E+21	1,190496E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190065E+20
-1374	1,198296E+21	2,949037E+21	4,028642E+21	4,028616E+21	2,948964E+21	1,198244E+21	1,190053E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190596E+20
-1373	1,198456E+21	2,949078E+21	4,028501E+21	4,028433E+21	2,948941E+21	1,198308E+21	1,190069E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190057E+20
-1372	1,198252E+21	2,948887E+21	4,028542E+21	4,028626E+21	2,949099E+21	1,198442E+21	1,190565E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190176E+20
-1371	1,198371E+21	2,949160E+21	4,028751E+21	4,028672E+21	2,948977E+21	1,198239E+21	1,189951E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190395E+20
-1370	1,198397E+21	2,949054E+21	4,028584E+21	4,028629E+21	2,949149E+21	1,198430E+21	1,190224E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189820E+20
-1369	1,198248E+21	2,949028E+21	4,028788E+21	4,028868E+21	2,949259E+21	1,198451E+21	1,190374E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190361E+20
-1368	1,198503E+21	2,949333E+21	4,028930E+21	4,028863E+21	2,949160E+21	1,198308E+21	1,189767E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190177E+20
-1367	1,198446E+21	2,949242E+21	4,028856E+21	4,028941E+21	2,949382E+21	1,198522E+21	1,190232E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189824E+20
-1366	1,198399E+21	2,949412E+21	4,029170E+21	4,029131E+21	2,949374E+21	1,198418E+21	1,190040E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190390E+20
-1365	1,198589E+21	2,949551E+21	4,029191E+21	4,029076E+21	2,949351E+21	1,198411E+21	1,189754E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189857E+20
-1364	1,198401E+21	2,949310E+21	4,029122E+21	4,029232E+21	2,949541E+21	1,198583E+21	1,190386E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189923E+20
-1363	1,198448E+21	2,949481E+21	4,029237E+21	4,029204E+21	2,949385E+21	1,198374E+21	1,189841E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190337E+20
-1362	1,198523E+21	2,949370E+21	4,028953E+21	4,028943E+21	2,949350E+21	1,198462E+21	1,189983E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189836E+20
-1361	1,198325E+21	2,949146E+21	4,028892E+21	4,028965E+21	2,949354E+21	1,198516E+21	1,190464E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190259E+20
-1360	1,198462E+21	2,949307E+21	4,028893E+21	4,028778E+21	2,949057E+21	1,198267E+21	1,189837E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190303E+20
-1359	1,198394E+21	2,949042E+21	4,028536E+21	4,028556E+21	2,949060E+21	1,198407E+21	1,190358E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189933E+20
-1358	1,198213E+21	2,948905E+21	4,028547E+21	4,028555E+21	2,948970E+21	1,198312E+21	1,190342E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190531E+20
-1357	1,198390E+21	2,948975E+21	4,028412E+21	4,028304E+21	2,948755E+21	1,198188E+21	1,189969E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190315E+20
-1356	1,198250E+21	2,948677E+21	4,028167E+21	4,028283E+21	2,948879E+21	1,198372E+21	1,190612E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190140E+20
-1355	1,198220E+21	2,948821E+21	4,028333E+21	4,028294E+21	2,948741E+21	1,198189E+21	1,190204E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190653E+20
-1354	1,198357E+21	2,948825E+21	4,028189E+21	4,028113E+21	2,948691E+21	1,198234E+21	1,190196E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190107E+20
-1353	1,198157E+21	2,948623E+21	4,028207E+21	4,028315E+21	2,948882E+21	1,198373E+21	1,190664E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190244E+20
-1352	1,198276E+21	2,948895E+21	4,028408E+21	4,028353E+21	2,948758E+21	1,198169E+21	1,190045E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190535E+20
-1351	1,198342E+21	2,948838E+21	4,028266E+21	4,028301E+21	2,948894E+21	1,198334E+21	1,190246E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189963E+20
-1350	1,198210E+21	2,948845E+21	4,028490E+21	4,028558E+21	2,949023E+21	1,198363E+21	1,190404E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190458E+20
-1349	1,198453E+21	2,949163E+21	4,028662E+21	4,028567E+21	2,948943E+21	1,198243E+21	1,189853E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190274E+20
-1348	1,198390E+21	2,949062E+21	4,028628E+21	4,028707E+21	2,949187E+21	1,198464E+21	1,190355E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189842E+20
-1347	1,198307E+21	2,949198E+21	4,028917E+21	4,028891E+21	2,949189E+21	1,198365E+21	1,190184E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190436E+20
-1346	1,198476E+21	2,949259E+21	4,028845E+21	4,028765E+21	2,949122E+21	1,198337E+21	1,189872E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189962E+20
-1345	1,198317E+21	2,949023E+21	4,028720E+21	4,028859E+21	2,949300E+21	1,198513E+21	1,190502E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190046E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \ominus	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1344	1,198364E+21	2,949205E+21	4,028832E+21	4,028798E+21	2,949107E+21	1,198296E+21	1,189978E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190478E+20
-1343	1,198455E+21	2,949129E+21	4,028581E+21	4,028531E+21	2,949028E+21	1,198353E+21	1,190073E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189958E+20
-1342	1,198244E+21	2,948893E+21	4,028530E+21	4,028580E+21	2,949042E+21	1,198403E+21	1,190542E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190341E+20
-1341	1,198353E+21	2,949012E+21	4,028511E+21	4,028406E+21	2,948776E+21	1,198169E+21	1,189940E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190446E+20
-1340	1,198303E+21	2,948745E+21	4,028164E+21	4,028217E+21	2,948807E+21	1,198319E+21	1,190460E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190039E+20
-1339	1,198126E+21	2,948637E+21	4,028183E+21	4,028204E+21	2,948720E+21	1,198236E+21	1,190464E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190645E+20
-1338	1,198301E+21	2,948695E+21	4,028028E+21	4,027928E+21	2,948481E+21	1,198105E+21	1,190095E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190426E+20
-1337	1,198177E+21	2,948436E+21	4,027802E+21	4,027908E+21	2,948628E+21	1,198304E+21	1,190740E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190209E+20
-1336	1,198123E+21	2,948573E+21	4,028006E+21	4,027952E+21	2,948488E+21	1,198119E+21	1,190356E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190750E+20
-1335	1,198273E+21	2,948579E+21	4,027866E+21	4,027793E+21	2,948431E+21	1,198135E+21	1,190261E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190222E+20
-1334	1,198083E+21	2,948374E+21	4,027858E+21	4,027994E+21	2,948644E+21	1,198279E+21	1,190699E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190358E+20
-1333	1,198207E+21	2,948661E+21	4,028073E+21	4,028032E+21	2,948536E+21	1,198096E+21	1,190111E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190682E+20
-1332	1,198300E+21	2,948652E+21	4,027995E+21	4,028027E+21	2,948687E+21	1,198270E+21	1,190332E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190015E+20
-1331	1,198151E+21	2,948689E+21	4,028260E+21	4,028299E+21	2,948827E+21	1,198312E+21	1,190536E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190485E+20
-1330	1,198359E+21	2,948946E+21	4,028401E+21	4,028304E+21	2,948729E+21	1,198178E+21	1,189981E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190315E+20
-1329	1,198300E+21	2,948819E+21	4,028310E+21	4,028422E+21	2,948997E+21	1,198405E+21	1,190468E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,189913E+20
-1328	1,198207E+21	2,948928E+21	4,028571E+21	4,028576E+21	2,948976E+21	1,198301E+21	1,190302E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190577E+20
-1327	1,198410E+21	2,949012E+21	4,028484E+21	4,028407E+21	2,948848E+21	1,198235E+21	1,189920E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190126E+20
-1326	1,198263E+21	2,948787E+21	4,028340E+21	4,028477E+21	2,949019E+21	1,198412E+21	1,190557E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190168E+20
-1325	1,198288E+21	2,948966E+21	4,028476E+21	4,028420E+21	2,948828E+21	1,198208E+21	1,190078E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190604E+20
-1324	1,198375E+21	2,948882E+21	4,028259E+21	4,028196E+21	2,948752E+21	1,198263E+21	1,190204E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190026E+20
-1323	1,198139E+21	2,948623E+21	4,028182E+21	4,028238E+21	2,948782E+21	1,198319E+21	1,190678E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190427E+20
-1322	1,198236E+21	2,948685E+21	4,028091E+21	4,028013E+21	2,948493E+21	1,198078E+21	1,190072E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190583E+20
-1321	1,198220E+21	2,948452E+21	4,027730E+21	4,027801E+21	2,948534E+21	1,198237E+21	1,190581E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190166E+20
-1320	1,198040E+21	2,948368E+21	4,027794E+21	4,027806E+21	2,948441E+21	1,198157E+21	1,190611E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190771E+20
-1319	1,198228E+21	2,948457E+21	4,027683E+21	4,027554E+21	2,948183E+21	1,198002E+21	1,190193E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190529E+20
-1318	1,198090E+21	2,948190E+21	4,027469E+21	4,027575E+21	2,948362E+21	1,198205E+21	1,190815E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190279E+20
-1317	1,198017E+21	2,948297E+21	4,027664E+21	4,027636E+21	2,948261E+21	1,198041E+21	1,190449E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190867E+20
-1316	1,198191E+21	2,948320E+21	4,027547E+21	4,027502E+21	2,948221E+21	1,198065E+21	1,190345E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190312E+20
-1315	1,198016E+21	2,948160E+21	4,027552E+21	4,027694E+21	2,948437E+21	1,198217E+21	1,190792E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190447E+20
-1314	1,198137E+21	2,948436E+21	4,027750E+21	4,027714E+21	2,948314E+21	1,198032E+21	1,190222E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190769E+20
-1313	1,198246E+21	2,948472E+21	4,027708E+21	4,027720E+21	2,948480E+21	1,198212E+21	1,190443E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190069E+20
-1312	1,198068E+21	2,948486E+21	4,027999E+21	4,028021E+21	2,948610E+21	1,198249E+21	1,190672E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190570E+20
-1311	1,198281E+21	2,948716E+21	4,028107E+21	4,028021E+21	2,948498E+21	1,198085E+21	1,190040E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190433E+20
-1310	1,198230E+21	2,948583E+21	4,027973E+21	4,028103E+21	2,948762E+21	1,198311E+21	1,190503E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190051E+20
-1309	1,198137E+21	2,948680E+21	4,028213E+21	4,028228E+21	2,948738E+21	1,198223E+21	1,190374E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190721E+20

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1308	1,198352E+21	2,948794E+21	4,028169E+21	4,028081E+21	2,948607E+21	1,198158E+21	1,190017E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190208E+20
-1307	1,198189E+21	2,948581E+21	4,028036E+21	4,028141E+21	2,948767E+21	1,198338E+21	1,190693E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190216E+20
-1306	1,198173E+21	2,948676E+21	4,028116E+21	4,028067E+21	2,948558E+21	1,198124E+21	1,190224E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190678E+20
-1305	1,198269E+21	2,948585E+21	4,027858E+21	4,027819E+21	2,948495E+21	1,198180E+21	1,190336E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190126E+20
-1304	1,198028E+21	2,948315E+21	4,027778E+21	4,027845E+21	2,948504E+21	1,198232E+21	1,190810E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190582E+20
-1303	1,198160E+21	2,948404E+21	4,027687E+21	4,027609E+21	2,948188E+21	1,197967E+21	1,190152E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190751E+20
-1302	1,198156E+21	2,948205E+21	4,027342E+21	4,027402E+21	2,948241E+21	1,198133E+21	1,190656E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190296E+20
-1301	1,197957E+21	2,948118E+21	4,027444E+21	4,027439E+21	2,948171E+21	1,198073E+21	1,190727E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190880E+20
-1300	1,198137E+21	2,948203E+21	4,027377E+21	4,027249E+21	2,947938E+21	1,197921E+21	1,190318E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190600E+20
-1299	1,197991E+21	2,947927E+21	4,027136E+21	4,027260E+21	2,948137E+21	1,198131E+21	1,190925E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190359E+20
-1298	1,197913E+21	2,947990E+21	4,027272E+21	4,027279E+21	2,948020E+21	1,197967E+21	1,190560E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190985E+20
-1297	1,198127E+21	2,948077E+21	4,027166E+21	4,027132E+21	2,947989E+21	1,197998E+21	1,190447E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190406E+20
-1296	1,197950E+21	2,947958E+21	4,027249E+21	4,027361E+21	2,948200E+21	1,198150E+21	1,190913E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190550E+20
-1295	1,198085E+21	2,948257E+21	4,027487E+21	4,027412E+21	2,948064E+21	1,197944E+21	1,190300E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190851E+20
-1294	1,198178E+21	2,948279E+21	4,027447E+21	4,027451E+21	2,948259E+21	1,198122E+21	1,190486E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190149E+20
-1293	1,197986E+21	2,948257E+21	4,027716E+21	4,027759E+21	2,948421E+21	1,198177E+21	1,190729E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190685E+20
-1292	1,198210E+21	2,948492E+21	4,027830E+21	4,027758E+21	2,948306E+21	1,198016E+21	1,190102E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190527E+20
-1291	1,198166E+21	2,948375E+21	4,027672E+21	4,027799E+21	2,948554E+21	1,198247E+21	1,190595E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190136E+20
-1290	1,198055E+21	2,948424E+21	4,027858E+21	4,027875E+21	2,948499E+21	1,198159E+21	1,190508E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190792E+20
-1289	1,198272E+21	2,948558E+21	4,027815E+21	4,027712E+21	2,948359E+21	1,198092E+21	1,190172E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190268E+20
-1288	1,198080E+21	2,948308E+21	4,027693E+21	4,027785E+21	2,948494E+21	1,198254E+21	1,190852E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190327E+20
-1287	1,198077E+21	2,948374E+21	4,027722E+21	4,027682E+21	2,948261E+21	1,198012E+21	1,190312E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190830E+20
-1286	1,198187E+21	2,948295E+21	4,027445E+21	4,027410E+21	2,948193E+21	1,198065E+21	1,190395E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190299E+20
-1285	1,197952E+21	2,948038E+21	4,027377E+21	4,027440E+21	2,948217E+21	1,198134E+21	1,190890E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190736E+20
-1284	1,198089E+21	2,948164E+21	4,027350E+21	4,027249E+21	2,947919E+21	1,197881E+21	1,190272E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190844E+20
-1283	1,198068E+21	2,947969E+21	4,027024E+21	4,027057E+21	2,947983E+21	1,198056E+21	1,190794E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190356E+20
-1282	1,197835E+21	2,947796E+21	4,027061E+21	4,027088E+21	2,947921E+21	1,197998E+21	1,190875E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190949E+20
-1281	1,198032E+21	2,947901E+21	4,026971E+21	4,026882E+21	2,947708E+21	1,197852E+21	1,190447E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190700E+20
-1280	1,197895E+21	2,947644E+21	4,026759E+21	4,026885E+21	2,947877E+21	1,198052E+21	1,191035E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190500E+20
-1279	1,197856E+21	2,947746E+21	4,026908E+21	4,026906E+21	2,947746E+21	1,197870E+21	1,190622E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191121E+20
-1278	1,198084E+21	2,947895E+21	4,026866E+21	4,026795E+21	2,947731E+21	1,197905E+21	1,190489E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190514E+20
-1277	1,197894E+21	2,947782E+21	4,027002E+21	4,027077E+21	2,947974E+21	1,198073E+21	1,190984E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190633E+20
-1276	1,198015E+21	2,948071E+21	4,027277E+21	4,027194E+21	2,947881E+21	1,197878E+21	1,190390E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190908E+20
-1275	1,198099E+21	2,948072E+21	4,027195E+21	4,027211E+21	2,948087E+21	1,198061E+21	1,190564E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190222E+20
-1274	1,197896E+21	2,947982E+21	4,027371E+21	4,027452E+21	2,948224E+21	1,198121E+21	1,190836E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190768E+20
-1273	1,198141E+21	2,948255E+21	4,027475E+21	4,027416E+21	2,948097E+21	1,197961E+21	1,190221E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190597E+20

1 Longitude ⊙ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1272	1,198085E+21	2,948148E+21	4,027354E+21	4,027445E+21	2,948301E+21	1,198179E+21	1,190739E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190232E+20
-1271	1,197979E+21	2,948181E+21	4,027525E+21	4,027515E+21	2,948217E+21	1,198064E+21	1,190613E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190882E+20
-1270	1,198184E+21	2,948300E+21	4,027468E+21	4,027357E+21	2,948080E+21	1,197986E+21	1,190241E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190399E+20
-1269	1,197991E+21	2,948026E+21	4,027326E+21	4,027426E+21	2,948228E+21	1,198154E+21	1,190910E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190488E+20
-1268	1,198002E+21	2,948111E+21	4,027376E+21	4,027331E+21	2,947999E+21	1,197918E+21	1,190388E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190973E+20
-1267	1,198119E+21	2,948052E+21	4,027095E+21	4,027046E+21	2,947931E+21	1,197978E+21	1,190493E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190419E+20
-1266	1,197864E+21	2,947754E+21	4,026986E+21	4,027048E+21	2,947948E+21	1,198059E+21	1,191034E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190813E+20
-1265	1,197994E+21	2,947893E+21	4,026967E+21	4,026860E+21	2,947658E+21	1,197813E+21	1,190453E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190904E+20
-1264	1,197945E+21	2,947662E+21	4,026654E+21	4,026686E+21	2,947710E+21	1,197976E+21	1,190963E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190473E+20
-1263	1,197738E+21	2,947473E+21	4,026636E+21	4,026687E+21	2,947629E+21	1,197894E+21	1,190965E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191085E+20
-1262	1,197954E+21	2,947619E+21	4,026559E+21	4,026470E+21	2,947411E+21	1,197746E+21	1,190501E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190862E+20
-1261	1,197837E+21	2,947412E+21	4,026411E+21	4,026518E+21	2,947607E+21	1,197957E+21	1,191080E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190628E+20
-1260	1,197807E+21	2,947574E+21	4,026659E+21	4,026610E+21	2,947510E+21	1,197794E+21	1,190715E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191184E+20
-1259	1,198016E+21	2,947725E+21	4,026653E+21	4,026552E+21	2,947530E+21	1,197839E+21	1,190587E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190539E+20
-1258	1,197793E+21	2,947532E+21	4,026721E+21	4,026828E+21	2,947797E+21	1,198019E+21	1,191102E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190668E+20
-1257	1,197924E+21	2,947821E+21	4,026953E+21	4,026917E+21	2,947720E+21	1,197835E+21	1,190514E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190965E+20
-1256	1,198006E+21	2,947819E+21	4,026879E+21	4,026907E+21	2,947881E+21	1,198004E+21	1,190674E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190352E+20
-1255	1,197841E+21	2,947735E+21	4,027011E+21	4,027101E+21	2,947976E+21	1,198038E+21	1,190910E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190882E+20
-1254	1,198084E+21	2,948046E+21	4,027149E+21	4,027056E+21	2,947826E+21	1,197871E+21	1,190284E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190720E+20
-1253	1,198019E+21	2,947934E+21	4,027059E+21	4,027112E+21	2,948030E+21	1,198084E+21	1,190811E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190348E+20
-1252	1,197904E+21	2,947954E+21	4,027241E+21	4,027213E+21	2,947968E+21	1,197973E+21	1,190700E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190989E+20
-1251	1,198104E+21	2,948053E+21	4,027141E+21	4,027031E+21	2,947836E+21	1,197897E+21	1,190322E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190521E+20
-1250	1,197901E+21	2,947724E+21	4,026920E+21	4,027044E+21	2,947970E+21	1,198075E+21	1,191023E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190596E+20
-1249	1,197924E+21	2,947845E+21	4,026974E+21	4,026941E+21	2,947751E+21	1,197853E+21	1,190547E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191050E+20
-1248	1,198018E+21	2,947784E+21	4,026740E+21	4,026661E+21	2,947647E+21	1,197903E+21	1,190674E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190527E+20
-1247	1,197766E+21	2,947448E+21	4,026588E+21	4,026652E+21	2,947647E+21	1,197962E+21	1,191167E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190892E+20
-1246	1,197882E+21	2,947585E+21	4,026569E+21	4,026470E+21	2,947360E+21	1,197708E+21	1,190544E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191044E+20
-1245	1,197849E+21	2,947357E+21	4,026254E+21	4,026292E+21	2,947420E+21	1,197872E+21	1,191023E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190627E+20
-1244	1,197668E+21	2,947218E+21	4,026283E+21	4,026321E+21	2,947357E+21	1,197801E+21	1,191035E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191213E+20
-1243	1,197898E+21	2,947410E+21	4,026241E+21	4,026135E+21	2,947164E+21	1,197663E+21	1,190581E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190954E+20
-1242	1,197764E+21	2,947186E+21	4,026096E+21	4,026196E+21	2,947377E+21	1,197891E+21	1,191195E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190677E+20
-1241	1,197729E+21	2,947365E+21	4,026376E+21	4,026334E+21	2,947317E+21	1,197745E+21	1,190878E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191214E+20
-1240	1,197910E+21	2,947477E+21	4,026380E+21	4,026296E+21	2,947335E+21	1,197780E+21	1,190721E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190643E+20
-1239	1,197716E+21	2,947262E+21	4,026368E+21	4,026513E+21	2,947575E+21	1,197941E+21	1,191173E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190779E+20
-1238	1,197858E+21	2,947585E+21	4,026604E+21	4,026571E+21	2,947473E+21	1,197750E+21	1,190555E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191107E+20
-1237	1,197956E+21	2,947615E+21	4,026565E+21	4,026571E+21	2,947629E+21	1,197917E+21	1,190714E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190480E+20

1 Longitude \ominus Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1236	1,197796E+21	2,947567E+21	4,026752E+21	4,026797E+21	2,947733E+21	1,197960E+21	1,190994E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190962E+20
-1235	1,198015E+21	2,947853E+21	4,026893E+21	4,026781E+21	2,947600E+21	1,197792E+21	1,190374E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190782E+20
-1234	1,197923E+21	2,947668E+21	4,026730E+21	4,026811E+21	2,947809E+21	1,198010E+21	1,190913E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190428E+20
-1233	1,197816E+21	2,947689E+21	4,026874E+21	4,026877E+21	2,947748E+21	1,197911E+21	1,190841E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191065E+20
-1232	1,198003E+21	2,947773E+21	4,026783E+21	4,026679E+21	2,947582E+21	1,197823E+21	1,190466E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190664E+20
-1231	1,197828E+21	2,947444E+21	4,026512E+21	4,026637E+21	2,947678E+21	1,197982E+21	1,191137E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190702E+20
-1230	1,197836E+21	2,947582E+21	4,026590E+21	4,026524E+21	2,947439E+21	1,197758E+21	1,190666E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191168E+20
-1229	1,197919E+21	2,947499E+21	4,026372E+21	4,026283E+21	2,947344E+21	1,197800E+21	1,190786E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190661E+20
-1228	1,197671E+21	2,947159E+21	4,026214E+21	4,026286E+21	2,947364E+21	1,197862E+21	1,191268E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191016E+20
-1227	1,197789E+21	2,947290E+21	4,026174E+21	4,026090E+21	2,947083E+21	1,197610E+21	1,190630E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191175E+20
-1226	1,197761E+21	2,947055E+21	4,025833E+21	4,025889E+21	2,947139E+21	1,197783E+21	1,191118E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190733E+20
-1225	1,197599E+21	2,946981E+21	4,025911E+21	4,025949E+21	2,947107E+21	1,197733E+21	1,191185E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191269E+20
-1224	1,197806E+21	2,947184E+21	4,025950E+21	4,025821E+21	2,946922E+21	1,197598E+21	1,190743E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191044E+20
-1223	1,197682E+21	2,946937E+21	4,025776E+21	4,025889E+21	2,947138E+21	1,197809E+21	1,191293E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190747E+20
-1222	1,197640E+21	2,947121E+21	4,026059E+21	4,026031E+21	2,947091E+21	1,197666E+21	1,190946E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191341E+20
-1221	1,197836E+21	2,947234E+21	4,026065E+21	4,025999E+21	2,947112E+21	1,197696E+21	1,190750E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190791E+20
-1220	1,197670E+21	2,947066E+21	4,026074E+21	4,026216E+21	2,947355E+21	1,197863E+21	1,191214E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190896E+20
-1219	1,197812E+21	2,947410E+21	4,026329E+21	4,026280E+21	2,947258E+21	1,197677E+21	1,190614E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191179E+20
-1218	1,197888E+21	2,947412E+21	4,026272E+21	4,026263E+21	2,947404E+21	1,197853E+21	1,190825E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190522E+20
-1217	1,197718E+21	2,947359E+21	4,026464E+21	4,026518E+21	2,947530E+21	1,197907E+21	1,191164E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190989E+20
-1216	1,197905E+21	2,947596E+21	4,026589E+21	4,026496E+21	2,947385E+21	1,197728E+21	1,190527E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190901E+20
-1215	1,197839E+21	2,947376E+21	4,026330E+21	4,026444E+21	2,947549E+21	1,197920E+21	1,191005E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190551E+20
-1214	1,197738E+21	2,947426E+21	4,026487E+21	4,026484E+21	2,947460E+21	1,197816E+21	1,190916E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191212E+20
-1213	1,197930E+21	2,947524E+21	4,026420E+21	4,026299E+21	2,947287E+21	1,197722E+21	1,190549E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190803E+20
-1212	1,197755E+21	2,947215E+21	4,026179E+21	4,026271E+21	2,947391E+21	1,197889E+21	1,191253E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190797E+20
-1211	1,197735E+21	2,947310E+21	4,026243E+21	4,026181E+21	2,947169E+21	1,197664E+21	1,190778E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191248E+20
-1210	1,197801E+21	2,947166E+21	4,025948E+21	4,025901E+21	2,947076E+21	1,197712E+21	1,190906E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190774E+20
-1209	1,197576E+21	2,946853E+21	4,025780E+21	4,025891E+21	2,947103E+21	1,197784E+21	1,191411E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191116E+20
-1208	1,197690E+21	2,946999E+21	4,025779E+21	4,025704E+21	2,946807E+21	1,197528E+21	1,190770E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191333E+20
-1207	1,197696E+21	2,946794E+21	4,025432E+21	4,025482E+21	2,946845E+21	1,197685E+21	1,191210E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190840E+20
-1206	1,197526E+21	2,946765E+21	4,025588E+21	4,025581E+21	2,946817E+21	1,197642E+21	1,191283E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191381E+20
-1205	1,197723E+21	2,946951E+21	4,025659E+21	4,025526E+21	2,946674E+21	1,197507E+21	1,190828E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191165E+20
-1204	1,197610E+21	2,946718E+21	4,025483E+21	4,025607E+21	2,946922E+21	1,197727E+21	1,191357E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190862E+20
-1203	1,197569E+21	2,946889E+21	4,025744E+21	4,025737E+21	2,946885E+21	1,197594E+21	1,191008E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,191431E+20
-1202	1,197763E+21	2,946995E+21	4,025727E+21	4,025683E+21	2,946900E+21	1,197632E+21	1,190830E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190865E+20
-1201	1,197613E+21	2,946876E+21	4,025765E+21	4,025908E+21	2,947151E+21	1,197814E+21	1,191365E+20	0,000000E+00	0,000000E+00	0,000000E+00	0,000000E+00	1,190914E+20

