

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	1,154822E+22	1,530287E+22	1,762717E+22	1,762690E+22	1,530218E+22	1,154741E+22	7,510624E+21	4,273610E+21	2,561690E+21	2,561834E+21	4,273975E+21	7,510979E+21
-2999	1,154745E+22	1,530166E+22	1,762604E+22	1,762655E+22	1,530254E+22	1,154807E+22	7,511291E+21	4,274113E+21	2,561981E+21	2,561920E+21	4,273890E+21	7,510827E+21
-2998	1,154750E+22	1,530213E+22	1,762636E+22	1,762638E+22	1,530224E+22	1,154780E+22	7,511163E+21	4,274184E+21	2,562190E+21	2,562230E+21	4,274375E+21	7,511527E+21
-2997	1,154802E+22	1,530211E+22	1,762592E+22	1,762569E+22	1,530163E+22	1,154753E+22	7,511103E+21	4,274222E+21	2,562316E+21	2,562381E+21	4,274321E+21	7,511052E+21
-2996	1,154720E+22	1,530112E+22	1,762521E+22	1,762542E+22	1,530162E+22	1,154779E+22	7,511625E+21	4,274786E+21	2,562725E+21	2,562614E+21	4,274444E+21	7,511190E+21
-2995	1,154765E+22	1,530186E+22	1,762566E+22	1,762541E+22	1,530120E+22	1,154715E+22	7,511115E+21	4,274603E+21	2,562815E+21	2,562909E+21	4,274927E+21	7,511645E+21
-2994	1,154759E+22	1,530122E+22	1,762486E+22	1,762493E+22	1,530125E+22	1,154744E+22	7,511342E+21	4,274725E+21	2,562903E+21	2,562927E+21	4,274728E+21	7,511155E+21
-2993	1,154699E+22	1,530089E+22	1,762497E+22	1,762509E+22	1,530133E+22	1,154758E+22	7,511582E+21	4,274963E+21	2,563042E+21	2,562991E+21	4,274884E+21	7,511687E+21
-2992	1,154794E+22	1,530172E+22	1,762531E+22	1,762505E+22	1,530100E+22	1,154708E+22	7,511073E+21	4,274586E+21	2,562875E+21	2,563017E+21	4,274986E+21	7,511566E+21
-2991	1,154741E+22	1,530092E+22	1,762456E+22	1,762486E+22	1,530140E+22	1,154773E+22	7,511615E+21	4,274862E+21	2,562889E+21	2,562801E+21	4,274549E+21	7,511053E+21
-2990	1,154718E+22	1,530142E+22	1,762545E+22	1,762540E+22	1,530152E+22	1,154761E+22	7,511475E+21	4,274781E+21	2,562829E+21	2,562777E+21	4,274704E+21	7,511585E+21
-2989	1,154787E+22	1,530181E+22	1,762563E+22	1,762543E+22	1,530135E+22	1,154730E+22	7,511076E+21	4,274392E+21	2,562561E+21	2,562626E+21	4,274514E+21	7,511098E+21
-2988	1,154710E+22	1,530094E+22	1,762507E+22	1,762553E+22	1,530184E+22	1,154784E+22	7,511503E+21	4,274593E+21	2,562520E+21	2,562412E+21	4,274275E+21	7,511043E+21
-2987	1,154750E+22	1,530192E+22	1,762600E+22	1,762594E+22	1,530178E+22	1,154747E+22	7,511036E+21	4,274204E+21	2,562269E+21	2,562334E+21	4,274482E+21	7,511577E+21
-2986	1,154791E+22	1,530187E+22	1,762576E+22	1,762578E+22	1,530184E+22	1,154762E+22	7,511039E+21	4,274023E+21	2,562038E+21	2,562074E+21	4,274049E+21	7,510933E+21
-2985	1,154735E+22	1,530168E+22	1,762604E+22	1,762613E+22	1,530206E+22	1,154785E+22	7,511309E+21	4,274216E+21	2,562056E+21	2,561957E+21	4,273962E+21	7,511154E+21
-2984	1,154815E+22	1,530274E+22	1,762678E+22	1,762642E+22	1,530183E+22	1,154729E+22	7,510725E+21	4,273823E+21	2,561910E+21	2,562025E+21	4,274161E+21	7,511179E+21
-2983	1,154768E+22	1,530196E+22	1,762603E+22	1,762616E+22	1,530214E+22	1,154778E+22	7,511118E+21	4,274040E+21	2,561978E+21	2,561945E+21	4,273879E+21	7,510712E+21
-2982	1,154718E+22	1,530186E+22	1,762640E+22	1,762649E+22	1,530230E+22	1,154784E+22	7,511214E+21	4,274217E+21	2,562161E+21	2,562121E+21	4,274168E+21	7,511347E+21
-2981	1,154802E+22	1,530226E+22	1,762632E+22	1,762618E+22	1,530185E+22	1,154742E+22	7,510867E+21	4,274009E+21	2,562156E+21	2,562284E+21	4,274336E+21	7,511186E+21
-2980	1,154740E+22	1,530121E+22	1,762516E+22	1,762555E+22	1,530188E+22	1,154787E+22	7,511473E+21	4,274521E+21	2,562468E+21	2,562397E+21	4,274271E+21	7,511007E+21
-2979	1,154738E+22	1,530173E+22	1,762570E+22	1,762554E+22	1,530151E+22	1,154750E+22	7,511324E+21	4,274607E+21	2,562682E+21	2,562700E+21	4,274717E+21	7,511634E+21
-2978	1,154782E+22	1,530162E+22	1,762526E+22	1,762502E+22	1,530111E+22	1,154729E+22	7,511226E+21	4,274623E+21	2,562830E+21	2,562905E+21	4,274740E+21	7,511175E+21
-2977	1,154698E+22	1,530072E+22	1,762470E+22	1,762484E+22	1,530117E+22	1,154754E+22	7,511659E+21	4,275088E+21	2,563165E+21	2,563081E+21	4,274847E+21	7,511387E+21
-2976	1,154751E+22	1,530142E+22	1,762509E+22	1,762487E+22	1,530087E+22	1,154703E+22	7,511187E+21	4,274865E+21	2,563213E+21	2,563350E+21	4,275304E+21	7,511820E+21
-2975	1,154745E+22	1,530072E+22	1,762413E+22	1,762424E+22	1,530084E+22	1,154736E+22	7,511514E+21	4,275060E+21	2,563305E+21	2,563333E+21	4,275075E+21	7,511348E+21
-2974	1,154691E+22	1,530045E+22	1,762428E+22	1,762451E+22	1,530108E+22	1,154757E+22	7,511775E+21	4,275309E+21	2,563439E+21	2,563355E+21	4,275127E+21	7,511750E+21
-2973	1,154782E+22	1,530138E+22	1,762476E+22	1,762448E+22	1,530068E+22	1,154708E+22	7,511312E+21	4,274966E+21	2,563286E+21	2,563381E+21	4,275230E+21	7,511621E+21
-2972	1,154724E+22	1,530055E+22	1,762401E+22	1,762419E+22	1,530087E+22	1,154750E+22	7,511726E+21	4,275193E+21	2,563297E+21	2,563204E+21	4,274868E+21	7,511145E+21
-2971	1,154692E+22	1,530089E+22	1,762490E+22	1,762487E+22	1,530106E+22	1,154738E+22	7,511548E+21	4,275062E+21	2,563188E+21	2,563149E+21	4,275018E+21	7,511721E+21
-2970	1,154769E+22	1,530128E+22	1,762496E+22	1,762488E+22	1,530104E+22	1,154720E+22	7,511160E+21	4,274633E+21	2,562895E+21	2,562997E+21	4,274861E+21	7,511296E+21
-2969	1,154707E+22	1,530067E+22	1,762457E+22	1,762491E+22	1,530141E+22	1,154768E+22	7,511542E+21	4,274777E+21	2,562781E+21	2,562691E+21	4,274522E+21	7,511225E+21
-2968	1,154758E+22	1,530176E+22	1,762559E+22	1,762541E+22	1,530139E+22	1,154733E+22	7,511102E+21	4,274410E+21	2,562549E+21	2,562617E+21	4,274673E+21	7,511612E+21
-2967	1,154783E+22	1,530166E+22	1,762536E+22	1,762522E+22	1,530137E+22	1,154744E+22	7,511156E+21	4,274326E+21	2,562392E+21	2,562403E+21	4,274280E+21	7,510963E+21
-2966	1,154713E+22	1,530129E+22	1,762562E+22	1,762582E+22	1,530186E+22	1,154774E+22	7,511415E+21	4,274528E+21	2,562451E+21	2,562331E+21	4,274208E+21	7,511156E+21
-2965	1,154787E+22	1,530224E+22	1,762625E+22	1,762604E+22	1,530167E+22	1,154729E+22	7,510899E+21	4,274166E+21	2,562330E+21	2,562439E+21	4,274495E+21	7,511312E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2964	1,154748E+22	1,530141E+22	1,762529E+22	1,762543E+22	1,530169E+22	1,154766E+22	7,511260E+21	4,274375E+21	2,562414E+21	2,562404E+21	4,274290E+21	7,510936E+21
-2963	1,154702E+22	1,530128E+22	1,762563E+22	1,762574E+22	1,530177E+22	1,154770E+22	7,511410E+21	4,274587E+21	2,562595E+21	2,562560E+21	4,274529E+21	7,511527E+21
-2962	1,154793E+22	1,530177E+22	1,762551E+22	1,762536E+22	1,530135E+22	1,154731E+22	7,511071E+21	4,274413E+21	2,562637E+21	2,562766E+21	4,274719E+21	7,511326E+21
-2961	1,154730E+22	1,530094E+22	1,762461E+22	1,762474E+22	1,530122E+22	1,154761E+22	7,511587E+21	4,274890E+21	2,562936E+21	2,562861E+21	4,274631E+21	7,511144E+21
-2960	1,154725E+22	1,530134E+22	1,762517E+22	1,762493E+22	1,530098E+22	1,154723E+22	7,511389E+21	4,274951E+21	2,563166E+21	2,563202E+21	4,275103E+21	7,511732E+21
-2959	1,154757E+22	1,530103E+22	1,762451E+22	1,762432E+22	1,530062E+22	1,154706E+22	7,511327E+21	4,274996E+21	2,563322E+21	2,563416E+21	4,275188E+21	7,511397E+21
-2958	1,154679E+22	1,530009E+22	1,762391E+22	1,762426E+22	1,530090E+22	1,154747E+22	7,511787E+21	4,275425E+21	2,563614E+21	2,563539E+21	4,275224E+21	7,511587E+21
-2957	1,154742E+22	1,530094E+22	1,762436E+22	1,762420E+22	1,530054E+22	1,154704E+22	7,511422E+21	4,275237E+21	2,563637E+21	2,563756E+21	4,275631E+21	7,512005E+21
-2956	1,154742E+22	1,530039E+22	1,762347E+22	1,762341E+22	1,530027E+22	1,154720E+22	7,511690E+21	4,275423E+21	2,563728E+21	2,563738E+21	4,275384E+21	7,511466E+21
-2955	1,154679E+22	1,530012E+22	1,762380E+22	1,762389E+22	1,530052E+22	1,154737E+22	7,511942E+21	4,275664E+21	2,563840E+21	2,563733E+21	4,275379E+21	7,511763E+21
-2954	1,154759E+22	1,530092E+22	1,762421E+22	1,762400E+22	1,530034E+22	1,154695E+22	7,511434E+21	4,275286E+21	2,563686E+21	2,563785E+21	4,275540E+21	7,511665E+21
-2953	1,154702E+22	1,530019E+22	1,762357E+22	1,762370E+22	1,530051E+22	1,154733E+22	7,511759E+21	4,275411E+21	2,563613E+21	2,563546E+21	4,275175E+21	7,511309E+21
-2952	1,154682E+22	1,530049E+22	1,762438E+22	1,762437E+22	1,530074E+22	1,154726E+22	7,511589E+21	4,275247E+21	2,563474E+21	2,563467E+21	4,275289E+21	7,511842E+21
-2951	1,154759E+22	1,530083E+22	1,762430E+22	1,762424E+22	1,530063E+22	1,154709E+22	7,511287E+21	4,274894E+21	2,563198E+21	2,563300E+21	4,275131E+21	7,511459E+21
-2950	1,154705E+22	1,530036E+22	1,762404E+22	1,762443E+22	1,530113E+22	1,154759E+22	7,511662E+21	4,275046E+21	2,563102E+21	2,562987E+21	4,274719E+21	7,511268E+21
-2949	1,154749E+22	1,530153E+22	1,762521E+22	1,762494E+22	1,530104E+22	1,154726E+22	7,511278E+21	4,274738E+21	2,562917E+21	2,562951E+21	4,274909E+21	7,511658E+21
-2948	1,154766E+22	1,530132E+22	1,762492E+22	1,762468E+22	1,530089E+22	1,154720E+22	7,511228E+21	4,274636E+21	2,562799E+21	2,562817E+21	4,274618E+21	7,511073E+21
-2947	1,154690E+22	1,530077E+22	1,762505E+22	1,762530E+22	1,530145E+22	1,154757E+22	7,511512E+21	4,274827E+21	2,562848E+21	2,562749E+21	4,274555E+21	7,511286E+21
-2946	1,154767E+22	1,530164E+22	1,762548E+22	1,762542E+22	1,530136E+22	1,154725E+22	7,511055E+21	4,274483E+21	2,562744E+21	2,562880E+21	4,274880E+21	7,511498E+21
-2945	1,154741E+22	1,530105E+22	1,762464E+22	1,762468E+22	1,530118E+22	1,154751E+22	7,511387E+21	4,274677E+21	2,562798E+21	2,562802E+21	4,274634E+21	7,511143E+21
-2944	1,154703E+22	1,530094E+22	1,762500E+22	1,762501E+22	1,530124E+22	1,154753E+22	7,511542E+21	4,274923E+21	2,563021E+21	2,562984E+21	4,274836E+21	7,511590E+21
-2943	1,154775E+22	1,530133E+22	1,762486E+22	1,762461E+22	1,530076E+22	1,154709E+22	7,511241E+21	4,274826E+21	2,563127E+21	2,563243E+21	4,275096E+21	7,511446E+21
-2942	1,154708E+22	1,530039E+22	1,762396E+22	1,762421E+22	1,530085E+22	1,154742E+22	7,511697E+21	4,275270E+21	2,563433E+21	2,563354E+21	4,275003E+21	7,511246E+21
-2941	1,154704E+22	1,530081E+22	1,762448E+22	1,762433E+22	1,530064E+22	1,154716E+22	7,511567E+21	4,275341E+21	2,563652E+21	2,563691E+21	4,275526E+21	7,511950E+21
-2940	1,154743E+22	1,530050E+22	1,762373E+22	1,762352E+22	1,530007E+22	1,154688E+22	7,511468E+21	4,275361E+21	2,563794E+21	2,563904E+21	4,275623E+21	7,511655E+21
-2939	1,154671E+22	1,529959E+22	1,762317E+22	1,762351E+22	1,530037E+22	1,154733E+22	7,511990E+21	4,275797E+21	2,564046E+21	2,563966E+21	4,275557E+21	7,511731E+21
-2938	1,154735E+22	1,530054E+22	1,762368E+22	1,762351E+22	1,530012E+22	1,154698E+22	7,511650E+21	4,275635E+21	2,564089E+21	2,564189E+21	4,275948E+21	7,512069E+21
-2937	1,154728E+22	1,530017E+22	1,762305E+22	1,762278E+22	1,529971E+22	1,154698E+22	7,511811E+21	4,275755E+21	2,564134E+21	2,564132E+21	4,275674E+21	7,511528E+21
-2936	1,154658E+22	1,529969E+22	1,762332E+22	1,762343E+22	1,530013E+22	1,154716E+22	7,511995E+21	4,275950E+21	2,564236E+21	2,564139E+21	4,275679E+21	7,511780E+21
-2935	1,154727E+22	1,530032E+22	1,762352E+22	1,762342E+22	1,529998E+22	1,154680E+22	7,511521E+21	4,275575E+21	2,564064E+21	2,564179E+21	4,275898E+21	7,511844E+21
-2934	1,154685E+22	1,529961E+22	1,762284E+22	1,762318E+22	1,530025E+22	1,154724E+22	7,511846E+21	4,275657E+21	2,563941E+21	2,563879E+21	4,275451E+21	7,511466E+21
-2933	1,154680E+22	1,530014E+22	1,762375E+22	1,762378E+22	1,530041E+22	1,154723E+22	7,511765E+21	4,275532E+21	2,563787E+21	2,563762E+21	4,275539E+21	7,511998E+21
-2932	1,154759E+22	1,530061E+22	1,762378E+22	1,762355E+22	1,530007E+22	1,154687E+22	7,511386E+21	4,275178E+21	2,563537E+21	2,563623E+21	4,275384E+21	7,511563E+21
-2931	1,154697E+22	1,530011E+22	1,762370E+22	1,762396E+22	1,530065E+22	1,154738E+22	7,511763E+21	4,275320E+21	2,563440E+21	2,563319E+21	4,274953E+21	7,511290E+21
-2930	1,154730E+22	1,530116E+22	1,762478E+22	1,762459E+22	1,530080E+22	1,154716E+22	7,511377E+21	4,275017E+21	2,563287E+21	2,563337E+21	4,275217E+21	7,511713E+21
-2929	1,154747E+22	1,530101E+22	1,762450E+22	1,762423E+22	1,530057E+22	1,154707E+22	7,511277E+21	4,274857E+21	2,563125E+21	2,563178E+21	4,274949E+21	7,511255E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2928	1,154681E+22	1,530033E+22	1,762446E+22	1,762480E+22	1,530115E+22	1,154749E+22	7,511606E+21	4,275080E+21	2,563200E+21	2,563124E+21	4,274865E+21	7,511400E+21
-2927	1,154751E+22	1,530112E+22	1,762470E+22	1,762471E+22	1,530094E+22	1,154717E+22	7,511257E+21	4,274844E+21	2,563151E+21	2,563276E+21	4,275212E+21	7,511666E+21
-2926	1,154732E+22	1,530060E+22	1,762394E+22	1,762404E+22	1,530077E+22	1,154740E+22	7,511582E+21	4,275071E+21	2,563250E+21	2,563223E+21	4,274931E+21	7,511220E+21
-2925	1,154689E+22	1,530056E+22	1,762440E+22	1,762433E+22	1,530072E+22	1,154739E+22	7,511766E+21	4,275365E+21	2,563520E+21	2,563454E+21	4,275207E+21	7,511701E+21
-2924	1,154751E+22	1,530082E+22	1,762416E+22	1,762385E+22	1,530012E+22	1,154678E+22	7,511341E+21	4,275233E+21	2,563655E+21	2,563782E+21	4,275561E+21	7,511659E+21
-2923	1,154688E+22	1,529981E+22	1,762322E+22	1,762349E+22	1,530031E+22	1,154720E+22	7,511809E+21	4,275624E+21	2,563917E+21	2,563867E+21	4,275444E+21	7,511465E+21
-2922	1,154691E+22	1,530025E+22	1,762364E+22	1,762359E+22	1,530022E+22	1,154707E+22	7,511730E+21	4,275705E+21	2,564123E+21	2,564181E+21	4,275939E+21	7,512145E+21
-2921	1,154739E+22	1,530021E+22	1,762311E+22	1,762278E+22	1,529954E+22	1,154671E+22	7,511598E+21	4,275693E+21	2,564211E+21	2,564320E+21	4,275959E+21	7,511831E+21
-2920	1,154670E+22	1,529931E+22	1,762263E+22	1,762288E+22	1,529989E+22	1,154715E+22	7,512113E+21	4,276145E+21	2,564479E+21	2,564377E+21	4,275824E+21	7,511714E+21
-2919	1,154706E+22	1,530006E+22	1,762308E+22	1,762291E+22	1,529966E+22	1,154682E+22	7,511827E+21	4,276029E+21	2,564542E+21	2,564617E+21	4,276266E+21	7,512123E+21
-2918	1,154698E+22	1,529956E+22	1,762243E+22	1,762239E+22	1,529947E+22	1,154686E+22	7,511928E+21	4,276086E+21	2,564553E+21	2,564545E+21	4,275989E+21	7,511605E+21
-2917	1,154635E+22	1,529914E+22	1,762262E+22	1,762288E+22	1,529985E+22	1,154714E+22	7,512161E+21	4,276259E+21	2,564610E+21	2,564521E+21	4,276036E+21	7,511975E+21
-2916	1,154712E+22	1,529980E+22	1,762276E+22	1,762267E+22	1,529948E+22	1,154663E+22	7,511621E+21	4,275848E+21	2,564416E+21	2,564548E+21	4,276249E+21	7,512098E+21
-2915	1,154686E+22	1,529926E+22	1,762219E+22	1,762249E+22	1,529975E+22	1,154709E+22	7,511963E+21	4,275912E+21	2,564256E+21	2,564194E+21	4,275705E+21	7,511602E+21
-2914	1,154681E+22	1,529995E+22	1,762325E+22	1,762319E+22	1,530000E+22	1,154710E+22	7,511892E+21	4,275820E+21	2,564131E+21	2,564093E+21	4,275779E+21	7,512048E+21
-2913	1,154754E+22	1,530055E+22	1,762356E+22	1,762312E+22	1,529960E+22	1,154661E+22	7,511422E+21	4,275419E+21	2,563857E+21	2,563943E+21	4,275631E+21	7,511644E+21
-2912	1,154684E+22	1,529981E+22	1,762336E+22	1,762367E+22	1,530037E+22	1,154719E+22	7,511766E+21	4,275548E+21	2,563778E+21	2,563669E+21	4,275217E+21	7,511310E+21
-2911	1,154700E+22	1,530062E+22	1,762416E+22	1,762413E+22	1,530056E+22	1,154710E+22	7,511502E+21	4,275298E+21	2,563643E+21	2,563704E+21	4,275543E+21	7,511872E+21
-2910	1,154729E+22	1,530045E+22	1,762380E+22	1,762376E+22	1,530035E+22	1,154705E+22	7,511439E+21	4,275152E+21	2,563485E+21	2,563531E+21	4,275227E+21	7,511384E+21
-2909	1,154674E+22	1,529994E+22	1,762374E+22	1,762411E+22	1,530077E+22	1,154748E+22	7,511861E+21	4,275459E+21	2,563600E+21	2,563498E+21	4,275170E+21	7,511532E+21
-2908	1,154738E+22	1,530074E+22	1,762401E+22	1,762387E+22	1,530029E+22	1,154693E+22	7,511422E+21	4,275249E+21	2,563623E+21	2,563722E+21	4,275560E+21	7,511800E+21
-2907	1,154716E+22	1,530017E+22	1,762332E+22	1,762334E+22	1,530016E+22	1,154713E+22	7,511716E+21	4,275457E+21	2,563735E+21	2,563703E+21	4,275295E+21	7,511314E+21
-2906	1,154667E+22	1,530008E+22	1,762373E+22	1,762372E+22	1,530029E+22	1,154719E+22	7,511880E+21	4,275747E+21	2,564025E+21	2,563978E+21	4,275640E+21	7,511858E+21
-2905	1,154735E+22	1,530044E+22	1,762354E+22	1,762318E+22	1,529961E+22	1,154654E+22	7,511400E+21	4,275540E+21	2,564096E+21	2,564258E+21	4,275992E+21	7,511918E+21
-2904	1,154681E+22	1,529935E+22	1,762253E+22	1,762287E+22	1,529989E+22	1,154704E+22	7,511899E+21	4,275942E+21	2,564354E+21	2,564319E+21	4,275806E+21	7,511609E+21
-2903	1,154675E+22	1,529975E+22	1,762286E+22	1,762287E+22	1,529980E+22	1,154698E+22	7,511945E+21	4,276105E+21	2,564583E+21	2,564624E+21	4,276288E+21	7,512292E+21
-2902	1,154725E+22	1,529975E+22	1,762245E+22	1,762219E+22	1,529916E+22	1,154662E+22	7,511809E+21	4,276105E+21	2,564684E+21	2,564756E+21	4,276250E+21	7,511866E+21
-2901	1,154649E+22	1,529888E+22	1,762201E+22	1,762229E+22	1,529948E+22	1,154706E+22	7,512345E+21	4,276575E+21	2,564959E+21	2,564833E+21	4,276186E+21	7,511799E+21
-2900	1,154672E+22	1,529944E+22	1,762233E+22	1,762221E+22	1,529914E+22	1,154657E+22	7,511928E+21	4,276398E+21	2,565015E+21	2,565095E+21	4,276678E+21	7,512320E+21
-2899	1,154678E+22	1,529895E+22	1,762162E+22	1,762165E+22	1,529899E+22	1,154670E+22	7,512032E+21	4,276376E+21	2,564948E+21	2,564966E+21	4,276363E+21	7,511822E+21
-2898	1,154628E+22	1,529869E+22	1,762186E+22	1,762215E+22	1,529942E+22	1,154702E+22	7,512283E+21	4,276539E+21	2,564968E+21	2,564895E+21	4,276360E+21	7,512167E+21
-2897	1,154717E+22	1,529969E+22	1,762227E+22	1,762200E+22	1,529894E+22	1,154640E+22	7,511677E+21	4,276073E+21	2,564709E+21	2,564842E+21	4,276493E+21	7,512263E+21
-2896	1,154691E+22	1,529918E+22	1,762191E+22	1,762205E+22	1,529934E+22	1,154686E+22	7,511980E+21	4,276137E+21	2,564562E+21	2,564484E+21	4,275882E+21	7,511579E+21
-2895	1,154661E+22	1,529967E+22	1,762292E+22	1,762286E+22	1,529971E+22	1,154696E+22	7,511983E+21	4,276092E+21	2,564465E+21	2,564412E+21	4,276010E+21	7,512080E+21
-2894	1,154729E+22	1,530011E+22	1,762316E+22	1,762296E+22	1,529953E+22	1,154656E+22	7,511515E+21	4,275674E+21	2,564187E+21	2,564265E+21	4,275865E+21	7,511688E+21
-2893	1,154663E+22	1,529938E+22	1,762281E+22	1,762327E+22	1,530022E+22	1,154724E+22	7,511963E+21	4,275843E+21	2,564113E+21	2,564011E+21	4,275531E+21	7,511451E+21

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2892	1,154676E+22	1,530005E+22	1,762341E+22	1,762345E+22	1,530014E+22	1,154700E+22	7,511673E+21	4,275627E+21	2,564025E+21	2,564082E+21	4,275870E+21	7,512066E+21
-2891	1,154722E+22	1,530002E+22	1,762305E+22	1,762297E+22	1,529986E+22	1,154695E+22	7,511636E+21	4,275498E+21	2,563889E+21	2,563928E+21	4,275536E+21	7,511517E+21
-2890	1,154666E+22	1,529961E+22	1,762306E+22	1,762331E+22	1,530021E+22	1,154731E+22	7,512035E+21	4,275851E+21	2,564066E+21	2,563952E+21	4,275507E+21	7,511621E+21
-2889	1,154724E+22	1,530048E+22	1,762351E+22	1,762319E+22	1,529965E+22	1,154659E+22	7,511468E+21	4,275583E+21	2,564078E+21	2,564191E+21	4,275949E+21	7,511985E+21
-2888	1,154702E+22	1,529975E+22	1,762275E+22	1,762279E+22	1,529969E+22	1,154681E+22	7,511687E+21	4,275758E+21	2,564200E+21	2,564191E+21	4,275692E+21	7,511454E+21
-2887	1,154642E+22	1,529947E+22	1,762293E+22	1,762305E+22	1,529990E+22	1,154704E+22	7,511984E+21	4,276082E+21	2,564481E+21	2,564455E+21	4,276063E+21	7,512103E+21
-2886	1,154722E+22	1,529986E+22	1,762279E+22	1,762261E+22	1,529929E+22	1,154647E+22	7,511573E+21	4,275898E+21	2,564538E+21	2,564692E+21	4,276329E+21	7,512080E+21
-2885	1,154675E+22	1,529899E+22	1,762182E+22	1,762215E+22	1,529947E+22	1,154702E+22	7,512175E+21	4,276371E+21	2,564816E+21	2,564756E+21	4,276152E+21	7,511721E+21
-2884	1,154652E+22	1,529927E+22	1,762216E+22	1,762207E+22	1,529920E+22	1,154679E+22	7,512154E+21	4,276552E+21	2,565098E+21	2,565106E+21	4,276640E+21	7,512390E+21
-2883	1,154702E+22	1,529923E+22	1,762176E+22	1,762148E+22	1,529865E+22	1,154645E+22	7,511982E+21	4,276504E+21	2,565180E+21	2,565249E+21	4,276621E+21	7,511954E+21
-2882	1,154623E+22	1,529833E+22	1,762124E+22	1,762160E+22	1,529907E+22	1,154693E+22	7,512483E+21	4,276939E+21	2,565431E+21	2,565321E+21	4,276593E+21	7,511965E+21
-2881	1,154657E+22	1,529903E+22	1,762164E+22	1,762149E+22	1,529862E+22	1,154635E+22	7,511982E+21	4,276663E+21	2,565392E+21	2,565501E+21	4,277056E+21	7,512596E+21
-2880	1,154678E+22	1,529858E+22	1,762100E+22	1,762103E+22	1,529854E+22	1,154648E+22	7,512059E+21	4,276622E+21	2,565290E+21	2,565312E+21	4,276639E+21	7,511962E+21
-2879	1,154622E+22	1,529838E+22	1,762128E+22	1,762154E+22	1,529902E+22	1,154689E+22	7,512413E+21	4,276830E+21	2,565305E+21	2,565215E+21	4,276607E+21	7,512282E+21
-2878	1,154710E+22	1,529944E+22	1,762194E+22	1,762165E+22	1,529864E+22	1,154629E+22	7,511811E+21	4,276370E+21	2,565052E+21	2,565149E+21	4,276676E+21	7,512248E+21
-2877	1,154674E+22	1,529894E+22	1,762161E+22	1,762174E+22	1,529910E+22	1,154680E+22	7,512142E+21	4,276449E+21	2,564915E+21	2,564829E+21	4,276155E+21	7,511615E+21
-2876	1,154628E+22	1,529914E+22	1,762236E+22	1,762240E+22	1,529941E+22	1,154683E+22	7,512070E+21	4,276381E+21	2,564844E+21	2,564795E+21	4,276327E+21	7,512218E+21
-2875	1,154708E+22	1,529954E+22	1,762242E+22	1,762233E+22	1,529923E+22	1,154654E+22	7,511645E+21	4,275934E+21	2,564537E+21	2,564633E+21	4,276171E+21	7,511842E+21
-2874	1,154652E+22	1,529894E+22	1,762204E+22	1,762255E+22	1,529984E+22	1,154719E+22	7,512137E+21	4,276155E+21	2,564487E+21	2,564387E+21	4,275838E+21	7,511615E+21
-2873	1,154674E+22	1,529981E+22	1,762280E+22	1,762267E+22	1,529954E+22	1,154676E+22	7,511764E+21	4,275917E+21	2,564387E+21	2,564441E+21	4,276156E+21	7,512225E+21
-2872	1,154718E+22	1,529976E+22	1,762257E+22	1,762236E+22	1,529930E+22	1,154665E+22	7,511663E+21	4,275801E+21	2,564294E+21	2,564322E+21	4,275814E+21	7,511561E+21
-2871	1,154643E+22	1,529920E+22	1,762254E+22	1,762277E+22	1,529978E+22	1,154708E+22	7,512109E+21	4,276175E+21	2,564499E+21	2,564395E+21	4,275871E+21	7,511764E+21
-2870	1,154702E+22	1,529997E+22	1,762296E+22	1,762278E+22	1,529937E+22	1,154646E+22	7,511556E+21	4,275893E+21	2,564503E+21	2,564628E+21	4,276301E+21	7,512135E+21
-2869	1,154687E+22	1,529931E+22	1,762211E+22	1,762222E+22	1,529939E+22	1,154679E+22	7,511874E+21	4,276102E+21	2,564623E+21	2,564638E+21	4,276099E+21	7,511665E+21
-2868	1,154624E+22	1,529890E+22	1,762211E+22	1,762227E+22	1,529942E+22	1,154692E+22	7,512172E+21	4,276475E+21	2,564953E+21	2,564917E+21	4,276434E+21	7,512306E+21
-2867	1,154715E+22	1,529941E+22	1,762197E+22	1,762175E+22	1,529880E+22	1,154641E+22	7,511817E+21	4,276323E+21	2,565033E+21	2,565166E+21	4,276670E+21	7,512181E+21
-2866	1,154659E+22	1,529859E+22	1,762113E+22	1,762135E+22	1,529893E+22	1,154688E+22	7,512420E+21	4,276844E+21	2,565358E+21	2,565275E+21	4,276528E+21	7,511803E+21
-2865	1,154628E+22	1,529883E+22	1,762154E+22	1,762136E+22	1,529859E+22	1,154650E+22	7,512253E+21	4,276938E+21	2,565597E+21	2,565614E+21	4,277053E+21	7,512559E+21
-2864	1,154681E+22	1,529869E+22	1,762106E+22	1,762084E+22	1,529818E+22	1,154617E+22	7,512001E+21	4,276824E+21	2,565642E+21	2,565729E+21	4,277019E+21	7,512115E+21
-2863	1,154601E+22	1,529774E+22	1,762042E+22	1,762085E+22	1,529863E+22	1,154679E+22	7,512584E+21	4,277241E+21	2,565835E+21	2,565747E+21	4,276976E+21	7,512210E+21
-2862	1,154650E+22	1,529857E+22	1,762100E+22	1,762091E+22	1,529825E+22	1,154625E+22	7,512115E+21	4,276956E+21	2,565749E+21	2,565844E+21	4,277314E+21	7,512735E+21
-2861	1,154680E+22	1,529840E+22	1,762054E+22	1,762047E+22	1,529817E+22	1,154640E+22	7,512239E+21	4,276939E+21	2,565637E+21	2,565642E+21	4,276896E+21	7,512031E+21
-2860	1,154604E+22	1,529805E+22	1,762084E+22	1,762101E+22	1,529857E+22	1,154670E+22	7,512526E+21	4,277151E+21	2,565689E+21	2,565571E+21	4,276852E+21	7,512331E+21
-2859	1,154691E+22	1,529905E+22	1,762147E+22	1,762121E+22	1,529837E+22	1,154622E+22	7,511929E+21	4,276655E+21	2,565421E+21	2,565520E+21	4,276947E+21	7,512286E+21
-2858	1,154650E+22	1,529851E+22	1,762105E+22	1,762126E+22	1,529887E+22	1,154676E+22	7,512270E+21	4,276726E+21	2,565275E+21	2,565206E+21	4,276467E+21	7,511735E+21
-2857	1,154611E+22	1,529871E+22	1,762176E+22	1,762180E+22	1,529902E+22	1,154670E+22	7,512145E+21	4,276602E+21	2,565151E+21	2,565132E+21	4,276633E+21	7,512422E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2856	1,154705E+22	1,529916E+22	1,762182E+22	1,762173E+22	1,529882E+22	1,154635E+22	7,511695E+21	4,276175E+21	2,564859E+21	2,564955E+21	4,276425E+21	7,511954E+21
-2855	1,154645E+22	1,529859E+22	1,762140E+22	1,762181E+22	1,529937E+22	1,154705E+22	7,512269E+21	4,276458E+21	2,564846E+21	2,564737E+21	4,276114E+21	7,511740E+21
-2854	1,154664E+22	1,529948E+22	1,762238E+22	1,762218E+22	1,529911E+22	1,154659E+22	7,511886E+21	4,276243E+21	2,564781E+21	2,564812E+21	4,276411E+21	7,512282E+21
-2853	1,154703E+22	1,529944E+22	1,762215E+22	1,762190E+22	1,529892E+22	1,154648E+22	7,511784E+21	4,276139E+21	2,564713E+21	2,564758E+21	4,276191E+21	7,511684E+21
-2852	1,154614E+22	1,529860E+22	1,762185E+22	1,762215E+22	1,529934E+22	1,154688E+22	7,512183E+21	4,276504E+21	2,564952E+21	2,564865E+21	4,276275E+21	7,511980E+21
-2851	1,154688E+22	1,529941E+22	1,762215E+22	1,762201E+22	1,529898E+22	1,154642E+22	7,511722E+21	4,276230E+21	2,564948E+21	2,565091E+21	4,276680E+21	7,512320E+21
-2850	1,154679E+22	1,529888E+22	1,762134E+22	1,762141E+22	1,529894E+22	1,154673E+22	7,512107E+21	4,276512E+21	2,565104E+21	2,565111E+21	4,276461E+21	7,511823E+21
-2849	1,154618E+22	1,529858E+22	1,762145E+22	1,762145E+22	1,529881E+22	1,154671E+22	7,512339E+21	4,276876E+21	2,565436E+21	2,565385E+21	4,276779E+21	7,512425E+21
-2848	1,154700E+22	1,529902E+22	1,762140E+22	1,762110E+22	1,529825E+22	1,154613E+22	7,511922E+21	4,276731E+21	2,565546E+21	2,565654E+21	4,277010E+21	7,512217E+21
-2847	1,154627E+22	1,529802E+22	1,762045E+22	1,762070E+22	1,529849E+22	1,154671E+22	7,512564E+21	4,277245E+21	2,565865E+21	2,565788E+21	4,276951E+21	7,511965E+21
-2846	1,154601E+22	1,529817E+22	1,762085E+22	1,762081E+22	1,529823E+22	1,154638E+22	7,512386E+21	4,277289E+21	2,566050E+21	2,566075E+21	4,277432E+21	7,512728E+21
-2845	1,154665E+22	1,529818E+22	1,762035E+22	1,762019E+22	1,529780E+22	1,154611E+22	7,512184E+21	4,277161E+21	2,566049E+21	2,566163E+21	4,277427E+21	7,512341E+21
-2844	1,154589E+22	1,529722E+22	1,761964E+22	1,762007E+22	1,529812E+22	1,154662E+22	7,512721E+21	4,277576E+21	2,566246E+21	2,566152E+21	4,277309E+21	7,512413E+21
-2843	1,154651E+22	1,529824E+22	1,762032E+22	1,762012E+22	1,529779E+22	1,154617E+22	7,512286E+21	4,277290E+21	2,566150E+21	2,566227E+21	4,277581E+21	7,512793E+21
-2842	1,154669E+22	1,529815E+22	1,762011E+22	1,761991E+22	1,529774E+22	1,154627E+22	7,512398E+21	4,277291E+21	2,566054E+21	2,566042E+21	4,277178E+21	7,512086E+21
-2841	1,154588E+22	1,529772E+22	1,762043E+22	1,762055E+22	1,529814E+22	1,154645E+22	7,512553E+21	4,277409E+21	2,566052E+21	2,565948E+21	4,277157E+21	7,512440E+21
-2840	1,154673E+22	1,529858E+22	1,762092E+22	1,762077E+22	1,529807E+22	1,154603E+22	7,511932E+21	4,276876E+21	2,565749E+21	2,565860E+21	4,277226E+21	7,512384E+21
-2839	1,154631E+22	1,529799E+22	1,762039E+22	1,762067E+22	1,529856E+22	1,154671E+22	7,512385E+21	4,276960E+21	2,565576E+21	2,565526E+21	4,276762E+21	7,511925E+21
-2838	1,154604E+22	1,529827E+22	1,762119E+22	1,762126E+22	1,529867E+22	1,154663E+22	7,512293E+21	4,276862E+21	2,565447E+21	2,565412E+21	4,276834E+21	7,512495E+21
-2837	1,154701E+22	1,529896E+22	1,762139E+22	1,762117E+22	1,529842E+22	1,154627E+22	7,511870E+21	4,276478E+21	2,565190E+21	2,565283E+21	4,276687E+21	7,512011E+21
-2836	1,154626E+22	1,529822E+22	1,762092E+22	1,762123E+22	1,529885E+22	1,154680E+22	7,512353E+21	4,276778E+21	2,565251E+21	2,565129E+21	4,276406E+21	7,511830E+21
-2835	1,154649E+22	1,529905E+22	1,762179E+22	1,762160E+22	1,529875E+22	1,154647E+22	7,511988E+21	4,276556E+21	2,565204E+21	2,565247E+21	4,276751E+21	7,512379E+21
-2834	1,154685E+22	1,529900E+22	1,762155E+22	1,762132E+22	1,529858E+22	1,154639E+22	7,511923E+21	4,276474E+21	2,565152E+21	2,565216E+21	4,276580E+21	7,511880E+21
-2833	1,154604E+22	1,529815E+22	1,762119E+22	1,762147E+22	1,529886E+22	1,154670E+22	7,512289E+21	4,276812E+21	2,565363E+21	2,565301E+21	4,276653E+21	7,512203E+21
-2832	1,154685E+22	1,529899E+22	1,762146E+22	1,762132E+22	1,529852E+22	1,154624E+22	7,511855E+21	4,276592E+21	2,565392E+21	2,565521E+21	4,277003E+21	7,512423E+21
-2831	1,154664E+22	1,529846E+22	1,762066E+22	1,762063E+22	1,529843E+22	1,154662E+22	7,512330E+21	4,276935E+21	2,565597E+21	2,565590E+21	4,276827E+21	7,511936E+21
-2830	1,154595E+22	1,529806E+22	1,762090E+22	1,762088E+22	1,529833E+22	1,154656E+22	7,512539E+21	4,277312E+21	2,565949E+21	2,565877E+21	4,277132E+21	7,512480E+21
-2829	1,154674E+22	1,529849E+22	1,762077E+22	1,762051E+22	1,529784E+22	1,154599E+22	7,512091E+21	4,277141E+21	2,566055E+21	2,566187E+21	4,277479E+21	7,512384E+21
-2828	1,154595E+22	1,529726E+22	1,761952E+22	1,761987E+22	1,529795E+22	1,154649E+22	7,512668E+21	4,277617E+21	2,566364E+21	2,566305E+21	4,277404E+21	7,512236E+21
-2827	1,154592E+22	1,529756E+22	1,761989E+22	1,761989E+22	1,529774E+22	1,154630E+22	7,512550E+21	4,277638E+21	2,566502E+21	2,566539E+21	4,277821E+21	7,512940E+21
-2826	1,154665E+22	1,529782E+22	1,761962E+22	1,761935E+22	1,529725E+22	1,154597E+22	7,512369E+21	4,277534E+21	2,566486E+21	2,566586E+21	4,277754E+21	7,512503E+21
-2825	1,154589E+22	1,529698E+22	1,761912E+22	1,761937E+22	1,529751E+22	1,154635E+22	7,512804E+21	4,277884E+21	2,566639E+21	2,566536E+21	4,277593E+21	7,512509E+21
-2824	1,154642E+22	1,529799E+22	1,761997E+22	1,761968E+22	1,529736E+22	1,154590E+22	7,512328E+21	4,277583E+21	2,566532E+21	2,566594E+21	4,277832E+21	7,512794E+21
-2823	1,154643E+22	1,529772E+22	1,761965E+22	1,761951E+22	1,529748E+22	1,154617E+22	7,512490E+21	4,277558E+21	2,566408E+21	2,566409E+21	4,277483E+21	7,512186E+21
-2822	1,154564E+22	1,529720E+22	1,761995E+22	1,762021E+22	1,529795E+22	1,154643E+22	7,512672E+21	4,277650E+21	2,566358E+21	2,566258E+21	4,277405E+21	7,512521E+21
-2821	1,154659E+22	1,529817E+22	1,762038E+22	1,762031E+22	1,529783E+22	1,154603E+22	7,512104E+21	4,277131E+21	2,566038E+21	2,566168E+21	4,277509E+21	7,512508E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2820	1,154616E+22	1,529751E+22	1,761969E+22	1,761998E+22	1,529810E+22	1,154658E+22	7,512532E+21	4,277259E+21	2,565917E+21	2,565849E+21	4,277017E+21	7,512059E+21
-2819	1,154602E+22	1,529796E+22	1,762054E+22	1,762051E+22	1,529821E+22	1,154656E+22	7,512468E+21	4,277192E+21	2,565830E+21	2,565775E+21	4,277088E+21	7,512525E+21
-2818	1,154687E+22	1,529867E+22	1,762095E+22	1,762060E+22	1,529794E+22	1,154608E+22	7,512017E+21	4,276838E+21	2,565621E+21	2,565703E+21	4,277009E+21	7,512114E+21
-2817	1,154611E+22	1,529783E+22	1,762042E+22	1,762071E+22	1,529838E+22	1,154651E+22	7,512354E+21	4,277048E+21	2,565655E+21	2,565566E+21	4,276787E+21	7,512015E+21
-2816	1,154637E+22	1,529860E+22	1,762118E+22	1,762106E+22	1,529836E+22	1,154624E+22	7,512003E+21	4,276823E+21	2,565596E+21	2,565659E+21	4,277102E+21	7,512538E+21
-2815	1,154671E+22	1,529851E+22	1,762086E+22	1,762067E+22	1,529821E+22	1,154632E+22	7,512072E+21	4,276783E+21	2,565549E+21	2,565630E+21	4,276945E+21	7,512091E+21
-2814	1,154597E+22	1,529772E+22	1,762060E+22	1,762088E+22	1,529845E+22	1,154663E+22	7,512495E+21	4,277179E+21	2,565781E+21	2,565696E+21	4,276934E+21	7,512263E+21
-2813	1,154671E+22	1,529866E+22	1,762094E+22	1,762072E+22	1,529809E+22	1,154616E+22	7,512097E+21	4,277009E+21	2,565858E+21	2,565977E+21	4,277354E+21	7,512477E+21
-2812	1,154634E+22	1,529787E+22	1,761997E+22	1,761995E+22	1,529789E+22	1,154641E+22	7,512505E+21	4,277375E+21	2,566130E+21	2,566111E+21	4,277234E+21	7,512075E+21
-2811	1,154573E+22	1,529742E+22	1,761999E+22	1,762007E+22	1,529790E+22	1,154647E+22	7,512711E+21	4,277718E+21	2,566474E+21	2,566414E+21	4,277568E+21	7,512617E+21
-2810	1,154650E+22	1,529788E+22	1,761993E+22	1,761971E+22	1,529735E+22	1,154587E+22	7,512273E+21	4,277541E+21	2,566560E+21	2,566705E+21	4,277931E+21	7,512652E+21
-2809	1,154591E+22	1,529676E+22	1,761870E+22	1,761902E+22	1,529732E+22	1,154622E+22	7,512743E+21	4,277938E+21	2,566802E+21	2,566765E+21	4,277809E+21	7,512500E+21
-2808	1,154596E+22	1,529722E+22	1,761918E+22	1,761912E+22	1,529715E+22	1,154601E+22	7,512634E+21	4,277976E+21	2,566920E+21	2,566940E+21	4,278121E+21	7,513047E+21
-2807	1,154657E+22	1,529754E+22	1,761911E+22	1,761871E+22	1,529676E+22	1,154581E+22	7,512523E+21	4,277886E+21	2,566905E+21	2,566990E+21	4,278060E+21	7,512591E+21
-2806	1,154570E+22	1,529664E+22	1,761881E+22	1,761901E+22	1,529714E+22	1,154619E+22	7,512932E+21	4,278213E+21	2,567034E+21	2,566911E+21	4,277852E+21	7,512507E+21
-2805	1,154616E+22	1,529758E+22	1,761954E+22	1,761936E+22	1,529715E+22	1,154584E+22	7,512460E+21	4,277873E+21	2,566898E+21	2,566981E+21	4,278164E+21	7,512872E+21
-2804	1,154611E+22	1,529707E+22	1,761892E+22	1,761894E+22	1,529716E+22	1,154609E+22	7,512605E+21	4,277835E+21	2,566767E+21	2,566776E+21	4,277801E+21	7,512366E+21
-2803	1,154555E+22	1,529667E+22	1,761908E+22	1,761946E+22	1,529763E+22	1,154645E+22	7,512847E+21	4,277935E+21	2,566700E+21	2,566599E+21	4,277675E+21	7,512623E+21
-2802	1,154651E+22	1,529784E+22	1,761976E+22	1,761962E+22	1,529739E+22	1,154594E+22	7,512292E+21	4,277463E+21	2,566404E+21	2,566505E+21	4,27764E+21	7,512633E+21
-2801	1,154614E+22	1,529727E+22	1,761920E+22	1,761934E+22	1,529751E+22	1,154628E+22	7,512576E+21	4,277535E+21	2,566275E+21	2,566204E+21	4,277291E+21	7,512166E+21
-2800	1,154594E+22	1,529770E+22	1,762015E+22	1,762006E+22	1,529774E+22	1,154623E+22	7,512477E+21	4,277467E+21	2,566198E+21	2,566142E+21	4,277373E+21	7,512585E+21
-2799	1,154667E+22	1,529829E+22	1,762047E+22	1,762017E+22	1,529763E+22	1,154595E+22	7,512083E+21	4,277096E+21	2,565984E+21	2,566096E+21	4,277368E+21	7,512288E+21
-2798	1,154594E+22	1,529739E+22	1,761996E+22	1,762033E+22	1,529812E+22	1,154644E+22	7,512461E+21	4,277301E+21	2,565994E+21	2,565924E+21	4,277094E+21	7,512161E+21
-2797	1,154628E+22	1,529823E+22	1,762063E+22	1,762058E+22	1,529810E+22	1,154623E+22	7,512189E+21	4,277124E+21	2,565957E+21	2,566040E+21	4,277434E+21	7,512678E+21
-2796	1,154656E+22	1,529801E+22	1,762007E+22	1,761993E+22	1,529774E+22	1,154621E+22	7,512274E+21	4,277172E+21	2,565995E+21	2,566051E+21	4,277263E+21	7,512222E+21
-2795	1,154588E+22	1,529729E+22	1,761979E+22	1,762005E+22	1,529798E+22	1,154657E+22	7,512746E+21	4,277630E+21	2,566298E+21	2,566183E+21	4,277277E+21	7,512294E+21
-2794	1,154643E+22	1,529816E+22	1,762028E+22	1,762003E+22	1,529754E+22	1,154597E+22	7,512311E+21	4,277489E+21	2,566421E+21	2,566517E+21	4,277773E+21	7,512623E+21
-2793	1,154610E+22	1,529724E+22	1,761914E+22	1,761916E+22	1,529726E+22	1,154609E+22	7,512563E+21	4,277752E+21	2,566652E+21	2,566661E+21	4,277715E+21	7,512324E+21
-2792	1,154559E+22	1,529684E+22	1,761911E+22	1,761924E+22	1,529730E+22	1,154617E+22	7,512776E+21	4,278066E+21	2,566946E+21	2,566905E+21	4,277996E+21	7,512841E+21
-2791	1,154640E+22	1,529740E+22	1,761910E+22	1,761886E+22	1,529680E+22	1,154571E+22	7,512422E+21	4,277891E+21	2,567002E+21	2,567160E+21	4,278326E+21	7,512883E+21
-2790	1,154587E+22	1,529645E+22	1,761817E+22	1,761838E+22	1,529682E+22	1,154605E+22	7,512890E+21	4,278285E+21	2,567216E+21	2,567156E+21	4,278084E+21	7,512573E+21
-2789	1,154587E+22	1,529700E+22	1,761881E+22	1,761865E+22	1,529676E+22	1,154588E+22	7,512795E+21	4,278329E+21	2,567343E+21	2,567353E+21	4,278420E+21	7,513067E+21
-2788	1,154626E+22	1,529702E+22	1,761856E+22	1,761825E+22	1,529640E+22	1,154565E+22	7,512655E+21	4,278250E+21	2,567353E+21	2,567422E+21	4,278382E+21	7,512675E+21
-2787	1,154547E+22	1,529609E+22	1,761807E+22	1,761847E+22	1,529694E+22	1,154620E+22	7,513099E+21	4,278548E+21	2,567454E+21	2,567335E+21	4,278186E+21	7,512574E+21
-2786	1,154587E+22	1,529703E+22	1,761887E+22	1,761878E+22	1,529685E+22	1,154583E+22	7,512664E+21	4,278210E+21	2,567289E+21	2,567366E+21	4,278491E+21	7,513066E+21
-2785	1,154602E+22	1,529658E+22	1,761817E+22	1,761823E+22	1,529668E+22	1,154590E+22	7,512698E+21	4,278102E+21	2,567108E+21	2,567131E+21	4,278112E+21	7,512573E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2784	1,154559E+22	1,529640E+22	1,761842E+22	1,761873E+22	1,529708E+22	1,154620E+22	7,512929E+21	4,278215E+21	2,567030E+21	2,566917E+21	4,277917E+21	7,512706E+21
-2783	1,154641E+22	1,529761E+22	1,761929E+22	1,761903E+22	1,529691E+22	1,154576E+22	7,512399E+21	4,277753E+21	2,566759E+21	2,566856E+21	4,278049E+21	7,512747E+21
-2782	1,154600E+22	1,529702E+22	1,761895E+22	1,761901E+22	1,529713E+22	1,154605E+22	7,512612E+21	4,277788E+21	2,566615E+21	2,566547E+21	4,277562E+21	7,512244E+21
-2781	1,154578E+22	1,529737E+22	1,761976E+22	1,761976E+22	1,529752E+22	1,154610E+22	7,512525E+21	4,277695E+21	2,566531E+21	2,566511E+21	4,277704E+21	7,512719E+21
-2780	1,154645E+22	1,529775E+22	1,761979E+22	1,761964E+22	1,529732E+22	1,154586E+22	7,512193E+21	4,277371E+21	2,566343E+21	2,566464E+21	4,277687E+21	7,512496E+21
-2779	1,154591E+22	1,529696E+22	1,761914E+22	1,761960E+22	1,529779E+22	1,154645E+22	7,512669E+21	4,277636E+21	2,566385E+21	2,566303E+21	4,277374E+21	7,512229E+21
-2778	1,154612E+22	1,529787E+22	1,762000E+22	1,761988E+22	1,529765E+22	1,154617E+22	7,512451E+21	4,277550E+21	2,566415E+21	2,566451E+21	4,277717E+21	7,512766E+21
-2777	1,154642E+22	1,529761E+22	1,761945E+22	1,761922E+22	1,529714E+22	1,154593E+22	7,512392E+21	4,277564E+21	2,566485E+21	2,566532E+21	4,277625E+21	7,512333E+21
-2776	1,154570E+22	1,529683E+22	1,761909E+22	1,761936E+22	1,529740E+22	1,154626E+22	7,512837E+21	4,278024E+21	2,566797E+21	2,566683E+21	4,277673E+21	7,512404E+21
-2775	1,154614E+22	1,529757E+22	1,761950E+22	1,761933E+22	1,529710E+22	1,154580E+22	7,512434E+21	4,277855E+21	2,566910E+21	2,567034E+21	4,278237E+21	7,512870E+21
-2774	1,154592E+22	1,529671E+22	1,761847E+22	1,761850E+22	1,529678E+22	1,154590E+22	7,512675E+21	4,278087E+21	2,567093E+21	2,567119E+21	4,278111E+21	7,512543E+21
-2773	1,154553E+22	1,529645E+22	1,761844E+22	1,761858E+22	1,529685E+22	1,154603E+22	7,512924E+21	4,278406E+21	2,567377E+21	2,567354E+21	4,278374E+21	7,513010E+21
-2772	1,154626E+22	1,529694E+22	1,761835E+22	1,761808E+22	1,529627E+22	1,154555E+22	7,512607E+21	4,278296E+21	2,567480E+21	2,567612E+21	4,278662E+21	7,513021E+21
-2771	1,154578E+22	1,529608E+22	1,761748E+22	1,761767E+22	1,529640E+22	1,154598E+22	7,513105E+21	4,278710E+21	2,567719E+21	2,567634E+21	4,278415E+21	7,512590E+21
-2770	1,154556E+22	1,529653E+22	1,761827E+22	1,761815E+22	1,529640E+22	1,154576E+22	7,512992E+21	4,278756E+21	2,567848E+21	2,567833E+21	4,278787E+21	7,513199E+21
-2769	1,154602E+22	1,529640E+22	1,761779E+22	1,761763E+22	1,529598E+22	1,154544E+22	7,512714E+21	4,278560E+21	2,567790E+21	2,567882E+21	4,278782E+21	7,512890E+21
-2768	1,154536E+22	1,529557E+22	1,761725E+22	1,761773E+22	1,529647E+22	1,154602E+22	7,513191E+21	4,278832E+21	2,567816E+21	2,567713E+21	4,278518E+21	7,512754E+21
-2767	1,154575E+22	1,529660E+22	1,761813E+22	1,761805E+22	1,529640E+22	1,154573E+22	7,512808E+21	4,278491E+21	2,567624E+21	2,567704E+21	4,278783E+21	7,513237E+21
-2766	1,154597E+22	1,529636E+22	1,761776E+22	1,761766E+22	1,529619E+22	1,154572E+22	7,512797E+21	4,278365E+21	2,567417E+21	2,567421E+21	4,278320E+21	7,512641E+21
-2765	1,154553E+22	1,529627E+22	1,761817E+22	1,761834E+22	1,529671E+22	1,154601E+22	7,512997E+21	4,278459E+21	2,567352E+21	2,567247E+21	4,278167E+21	7,512746E+21
-2764	1,154618E+22	1,529720E+22	1,761881E+22	1,761860E+22	1,529658E+22	1,154559E+22	7,512462E+21	4,278022E+21	2,567113E+21	2,567209E+21	4,278325E+21	7,512857E+21
-2763	1,154586E+22	1,529662E+22	1,761832E+22	1,761854E+22	1,529697E+22	1,154604E+22	7,512725E+21	4,278054E+21	2,566971E+21	2,566913E+21	4,277852E+21	7,512332E+21
-2762	1,154557E+22	1,529695E+22	1,761921E+22	1,761927E+22	1,529726E+22	1,154608E+22	7,512706E+21	4,278011E+21	2,566902E+21	2,566865E+21	4,277989E+21	7,512897E+21
-2761	1,154637E+22	1,529728E+22	1,761907E+22	1,761896E+22	1,529688E+22	1,154569E+22	7,512309E+21	4,277681E+21	2,566728E+21	2,566844E+21	4,277987E+21	7,512651E+21
-2760	1,154588E+22	1,529666E+22	1,761846E+22	1,761884E+22	1,529723E+22	1,154625E+22	7,512831E+21	4,278012E+21	2,566810E+21	2,566707E+21	4,277668E+21	7,512283E+21
-2759	1,154587E+22	1,529745E+22	1,761942E+22	1,761921E+22	1,529713E+22	1,154600E+22	7,512635E+21	4,277958E+21	2,566901E+21	2,566928E+21	4,278085E+21	7,512859E+21
-2758	1,154613E+22	1,529714E+22	1,761894E+22	1,761867E+22	1,529667E+22	1,154569E+22	7,512488E+21	4,277931E+21	2,566967E+21	2,567024E+21	4,278027E+21	7,512483E+21
-2757	1,154548E+22	1,529632E+22	1,761840E+22	1,761874E+22	1,529700E+22	1,154608E+22	7,512908E+21	4,278343E+21	2,567264E+21	2,567194E+21	4,278125E+21	7,512623E+21
-2756	1,154592E+22	1,529689E+22	1,761855E+22	1,761849E+22	1,529659E+22	1,154564E+22	7,512571E+21	4,278219E+21	2,567384E+21	2,567520E+21	4,278657E+21	7,513152E+21
-2755	1,154592E+22	1,529625E+22	1,761755E+22	1,761763E+22	1,529632E+22	1,154581E+22	7,512871E+21	4,278487E+21	2,567577E+21	2,567591E+21	4,278467E+21	7,512673E+21
-2754	1,154541E+22	1,529611E+22	1,761784E+22	1,761787E+22	1,529634E+22	1,154589E+22	7,513153E+21	4,278856E+21	2,567887E+21	2,567818E+21	4,278704E+21	7,513141E+21
-2753	1,154612E+22	1,529652E+22	1,761775E+22	1,761743E+22	1,529573E+22	1,154529E+22	7,512724E+21	4,278694E+21	2,567985E+21	2,568110E+21	4,279036E+21	7,513138E+21
-2752	1,154559E+22	1,529564E+22	1,761684E+22	1,761706E+22	1,529593E+22	1,154576E+22	7,513223E+21	4,279078E+21	2,568180E+21	2,568104E+21	4,278791E+21	7,512688E+21
-2751	1,154525E+22	1,529595E+22	1,761758E+22	1,761755E+22	1,529608E+22	1,154571E+22	7,513148E+21	4,279083E+21	2,568268E+21	2,568276E+21	4,279173E+21	7,513386E+21
-2750	1,154584E+22	1,529594E+22	1,761720E+22	1,761705E+22	1,529561E+22	1,154534E+22	7,512835E+21	4,278834E+21	2,568136E+21	2,568240E+21	4,279091E+21	7,513073E+21
-2749	1,154533E+22	1,529524E+22	1,761662E+22	1,761710E+22	1,529609E+22	1,154590E+22	7,513301E+21	4,279086E+21	2,568140E+21	2,568045E+21	4,278785E+21	7,512869E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2748	1,154564E+22	1,529621E+22	1,761749E+22	1,761734E+22	1,529592E+22	1,154558E+22	7,512950E+21	4,278806E+21	2,567983E+21	2,568036E+21	4,279021E+21	7,513341E+21
-2747	1,154592E+22	1,529610E+22	1,761725E+22	1,761709E+22	1,529580E+22	1,154557E+22	7,512921E+21	4,278685E+21	2,567801E+21	2,567786E+21	4,278568E+21	7,512644E+21
-2746	1,154527E+22	1,529591E+22	1,761779E+22	1,761797E+22	1,529640E+22	1,154586E+22	7,513098E+21	4,278770E+21	2,567741E+21	2,567619E+21	4,278462E+21	7,512884E+21
-2745	1,154601E+22	1,529670E+22	1,761821E+22	1,761809E+22	1,529624E+22	1,154540E+22	7,512481E+21	4,278258E+21	2,567469E+21	2,567593E+21	4,278659E+21	7,513049E+21
-2744	1,154581E+22	1,529624E+22	1,761766E+22	1,761788E+22	1,529654E+22	1,154589E+22	7,512820E+21	4,278308E+21	2,567296E+21	2,567253E+21	4,278138E+21	7,512467E+21
-2743	1,154546E+22	1,529657E+22	1,761858E+22	1,761863E+22	1,529689E+22	1,154603E+22	7,512879E+21	4,278317E+21	2,567261E+21	2,567219E+21	4,278258E+21	7,512994E+21
-2742	1,154625E+22	1,529703E+22	1,761867E+22	1,761840E+22	1,529643E+22	1,154553E+22	7,512441E+21	4,278004E+21	2,567113E+21	2,567209E+21	4,278240E+21	7,512702E+21
-2741	1,154571E+22	1,529635E+22	1,761804E+22	1,761833E+22	1,529682E+22	1,154606E+22	7,512933E+21	4,278339E+21	2,567245E+21	2,567154E+21	4,278010E+21	7,512350E+21
-2740	1,154554E+22	1,529681E+22	1,761868E+22	1,761857E+22	1,529672E+22	1,154584E+22	7,512764E+21	4,278329E+21	2,567379E+21	2,567416E+21	4,278490E+21	7,513048E+21
-2739	1,154595E+22	1,529655E+22	1,761806E+22	1,761793E+22	1,529632E+22	1,154562E+22	7,512649E+21	4,278303E+21	2,567450E+21	2,567528E+21	4,278452E+21	7,512673E+21
-2738	1,154530E+22	1,529578E+22	1,761766E+22	1,761801E+22	1,529655E+22	1,154597E+22	7,513103E+21	4,278742E+21	2,567748E+21	2,567670E+21	4,278532E+21	7,512905E+21
-2737	1,154590E+22	1,529639E+22	1,761769E+22	1,761760E+22	1,529599E+22	1,154541E+22	7,512697E+21	4,278602E+21	2,567872E+21	2,568007E+21	4,279045E+21	7,513361E+21
-2736	1,154593E+22	1,529597E+22	1,761687E+22	1,761677E+22	1,529566E+22	1,154557E+22	7,513042E+21	4,278905E+21	2,568071E+21	2,568071E+21	4,278823E+21	7,512766E+21
-2735	1,154519E+22	1,529570E+22	1,761729E+22	1,761725E+22	1,529586E+22	1,154572E+22	7,513334E+21	4,279281E+21	2,568403E+21	2,568328E+21	4,279090E+21	7,513229E+21
-2734	1,154583E+22	1,529604E+22	1,761724E+22	1,761693E+22	1,529534E+22	1,154511E+22	7,512832E+21	4,279053E+21	2,568453E+21	2,568584E+21	4,279420E+21	7,513278E+21
-2733	1,154538E+22	1,529514E+22	1,761619E+22	1,761649E+22	1,529561E+22	1,154566E+22	7,513327E+21	4,279373E+21	2,568598E+21	2,568556E+21	4,279179E+21	7,512865E+21
-2732	1,154502E+22	1,529527E+22	1,761667E+22	1,761674E+22	1,529563E+22	1,154563E+22	7,513324E+21	4,279414E+21	2,568663E+21	2,568667E+21	4,279490E+21	7,513565E+21
-2731	1,154580E+22	1,529550E+22	1,761638E+22	1,761626E+22	1,529520E+22	1,154527E+22	7,513026E+21	4,279181E+21	2,568528E+21	2,568606E+21	4,279346E+21	7,513129E+21
-2730	1,154519E+22	1,529497E+22	1,761618E+22	1,761650E+22	1,529560E+22	1,154573E+22	7,513460E+21	4,279439E+21	2,568538E+21	2,568397E+21	4,279032E+21	7,512969E+21
-2729	1,154551E+22	1,529583E+22	1,761698E+22	1,761678E+22	1,529543E+22	1,154529E+22	7,512983E+21	4,279094E+21	2,568374E+21	2,568425E+21	4,279316E+21	7,513440E+21
-2728	1,154580E+22	1,529577E+22	1,761678E+22	1,761661E+22	1,529541E+22	1,154536E+22	7,512964E+21	4,278936E+21	2,568144E+21	2,568152E+21	4,278879E+21	7,512749E+21
-2727	1,154506E+22	1,529547E+22	1,761730E+22	1,761754E+22	1,529615E+22	1,154581E+22	7,513195E+21	4,279003E+21	2,568063E+21	2,567971E+21	4,278773E+21	7,513033E+21
-2726	1,154589E+22	1,529636E+22	1,761777E+22	1,761764E+22	1,529596E+22	1,154533E+22	7,512581E+21	4,278482E+21	2,567759E+21	2,567895E+21	4,278911E+21	7,513187E+21
-2725	1,154580E+22	1,529599E+22	1,761718E+22	1,761734E+22	1,529623E+22	1,154583E+22	7,512936E+21	4,278556E+21	2,567620E+21	2,567587E+21	4,278389E+21	7,512537E+21
-2724	1,154528E+22	1,529611E+22	1,761794E+22	1,761794E+22	1,529644E+22	1,154594E+22	7,513073E+21	4,278678E+21	2,567670E+21	2,567604E+21	4,278530E+21	7,513054E+21
-2723	1,154607E+22	1,529659E+22	1,761804E+22	1,761781E+22	1,529605E+22	1,154541E+22	7,512618E+21	4,278400E+21	2,567586E+21	2,567669E+21	4,278581E+21	7,512757E+21
-2722	1,154542E+22	1,529581E+22	1,761743E+22	1,761776E+22	1,529641E+22	1,154589E+22	7,513073E+21	4,278731E+21	2,567737E+21	2,567640E+21	4,278427E+21	7,512590E+21
-2721	1,154539E+22	1,529615E+22	1,761778E+22	1,761774E+22	1,529619E+22	1,154561E+22	7,512839E+21	4,278666E+21	2,567853E+21	2,567921E+21	4,278939E+21	7,513334E+21
-2720	1,154596E+22	1,529610E+22	1,761722E+22	1,761701E+22	1,529566E+22	1,154540E+22	7,512787E+21	4,278653E+21	2,567893E+21	2,567990E+21	4,278850E+21	7,512881E+21
-2719	1,154523E+22	1,529540E+22	1,761698E+22	1,761722E+22	1,529600E+22	1,154582E+22	7,513282E+21	4,279125E+21	2,568214E+21	2,568133E+21	4,278888E+21	7,513037E+21
-2718	1,154581E+22	1,529616E+22	1,761728E+22	1,761697E+22	1,529546E+22	1,154520E+22	7,512838E+21	4,278985E+21	2,568343E+21	2,568463E+21	4,279373E+21	7,513438E+21
-2717	1,154576E+22	1,529562E+22	1,761643E+22	1,761627E+22	1,529526E+22	1,154539E+22	7,513148E+21	4,279264E+21	2,568558E+21	2,568567E+21	4,279191E+21	7,512823E+21
-2716	1,154483E+22	1,529499E+22	1,761652E+22	1,761663E+22	1,529552E+22	1,154565E+22	7,513515E+21	4,279677E+21	2,568894E+21	2,568820E+21	4,279483E+21	7,513367E+21
-2715	1,154560E+22	1,529539E+22	1,761638E+22	1,761625E+22	1,529503E+22	1,154508E+22	7,513040E+21	4,279440E+21	2,568920E+21	2,569051E+21	4,279796E+21	7,513414E+21
-2714	1,154515E+22	1,529454E+22	1,761543E+22	1,761577E+22	1,529517E+22	1,154558E+22	7,513545E+21	4,279760E+21	2,569035E+21	2,568969E+21	4,279528E+21	7,513094E+21
-2713	1,154496E+22	1,529473E+22	1,761580E+22	1,761586E+22	1,529503E+22	1,154541E+22	7,513448E+21	4,279757E+21	2,569085E+21	2,569081E+21	4,279813E+21	7,513719E+21



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2712	1,154580E+22	1,529524E+22	1,761579E+22	1,761544E+22	1,529451E+22	1,154501E+22	7,513150E+21	4,279512E+21	2,568924E+21	2,568999E+21	4,279649E+21	7,513203E+21
-2711	1,154502E+22	1,529463E+22	1,761577E+22	1,761602E+22	1,529517E+22	1,154552E+22	7,513529E+21	4,279732E+21	2,568929E+21	2,568801E+21	4,279357E+21	7,513064E+21
-2710	1,154535E+22	1,529551E+22	1,761663E+22	1,761642E+22	1,529511E+22	1,154509E+22	7,512982E+21	4,279309E+21	2,568703E+21	2,568781E+21	4,279628E+21	7,513593E+21
-2709	1,154571E+22	1,529543E+22	1,761634E+22	1,761621E+22	1,529518E+22	1,154526E+22	7,512983E+21	4,279106E+21	2,568434E+21	2,568482E+21	4,279168E+21	7,512896E+21
-2708	1,154493E+22	1,529497E+22	1,761662E+22	1,761694E+22	1,529584E+22	1,154579E+22	7,513358E+21	4,279266E+21	2,568368E+21	2,568272E+21	4,279009E+21	7,513140E+21
-2707	1,154585E+22	1,529601E+22	1,761714E+22	1,761705E+22	1,529565E+22	1,154531E+22	7,512795E+21	4,278815E+21	2,568115E+21	2,568216E+21	4,279115E+21	7,513179E+21
-2706	1,154560E+22	1,529567E+22	1,761677E+22	1,761683E+22	1,529582E+22	1,154573E+22	7,513145E+21	4,278936E+21	2,568034E+21	2,567959E+21	4,278663E+21	7,512631E+21
-2705	1,154508E+22	1,529557E+22	1,761727E+22	1,761730E+22	1,529595E+22	1,154571E+22	7,513170E+21	4,279028E+21	2,568124E+21	2,568064E+21	4,278894E+21	7,513170E+21
-2704	1,154591E+22	1,529612E+22	1,761735E+22	1,761709E+22	1,529552E+22	1,154521E+22	7,512734E+21	4,278733E+21	2,568023E+21	2,568138E+21	4,278999E+21	7,512943E+21
-2703	1,154524E+22	1,529528E+22	1,761675E+22	1,761710E+22	1,529597E+22	1,154575E+22	7,513193E+21	4,279055E+21	2,568174E+21	2,568110E+21	4,278846E+21	7,512819E+21
-2702	1,154534E+22	1,529577E+22	1,761715E+22	1,761705E+22	1,529568E+22	1,154541E+22	7,512943E+21	4,278986E+21	2,568267E+21	2,568345E+21	4,279296E+21	7,513537E+21
-2701	1,154598E+22	1,529585E+22	1,761667E+22	1,761634E+22	1,529518E+22	1,154522E+22	7,512899E+21	4,278991E+21	2,568340E+21	2,568439E+21	4,279187E+21	7,512980E+21
-2700	1,154505E+22	1,529494E+22	1,761632E+22	1,761648E+22	1,529547E+22	1,154567E+22	7,513499E+21	4,279563E+21	2,568724E+21	2,568618E+21	4,279230E+21	7,513085E+21
-2699	1,154554E+22	1,529561E+22	1,761661E+22	1,761641E+22	1,529510E+22	1,154509E+22	7,513057E+21	4,279449E+21	2,568894E+21	2,568992E+21	4,279757E+21	7,513480E+21
-2698	1,154539E+22	1,529497E+22	1,761575E+22	1,761571E+22	1,529491E+22	1,154530E+22	7,513345E+21	4,279701E+21	2,569092E+21	2,569093E+21	4,279642E+21	7,513061E+21
-2697	1,154462E+22	1,529418E+22	1,761546E+22	1,761574E+22	1,529500E+22	1,154549E+22	7,513653E+21	4,280050E+21	2,569386E+21	2,569332E+21	4,279925E+21	7,513608E+21
-2696	1,154554E+22	1,529487E+22	1,761546E+22	1,761527E+22	1,529437E+22	1,154490E+22	7,513220E+21	4,279799E+21	2,569350E+21	2,569490E+21	4,280172E+21	7,513604E+21
-2695	1,154508E+22	1,529416E+22	1,761476E+22	1,761497E+22	1,529457E+22	1,154537E+22	7,513684E+21	4,280108E+21	2,569454E+21	2,569381E+21	4,279847E+21	7,513212E+21
-2694	1,154490E+22	1,529454E+22	1,761541E+22	1,761526E+22	1,529446E+22	1,154513E+22	7,513505E+21	4,280049E+21	2,569463E+21	2,569455E+21	4,280098E+21	7,513809E+21
-2693	1,154571E+22	1,529502E+22	1,761547E+22	1,761509E+22	1,529417E+22	1,154479E+22	7,513145E+21	4,279738E+21	2,569278E+21	2,569374E+21	4,279946E+21	7,513276E+21
-2692	1,154479E+22	1,529415E+22	1,761523E+22	1,761559E+22	1,529493E+22	1,154546E+22	7,513627E+21	4,279979E+21	2,569259E+21	2,569147E+21	4,279650E+21	7,513187E+21
-2691	1,154522E+22	1,529506E+22	1,761605E+22	1,761602E+22	1,529497E+22	1,154512E+22	7,513148E+21	4,279579E+21	2,569024E+21	2,569097E+21	4,279878E+21	7,513678E+21
-2690	1,154556E+22	1,529503E+22	1,761583E+22	1,761577E+22	1,529493E+22	1,154527E+22	7,513185E+21	4,279411E+21	2,568759E+21	2,568777E+21	4,279410E+21	7,513051E+21
-2689	1,154487E+22	1,529452E+22	1,761589E+22	1,761622E+22	1,529538E+22	1,154567E+22	7,513517E+21	4,279592E+21	2,568743E+21	2,568626E+21	4,279265E+21	7,513199E+21
-2688	1,154574E+22	1,529573E+22	1,761661E+22	1,761633E+22	1,529504E+22	1,154512E+22	7,512972E+21	4,279169E+21	2,568519E+21	2,568609E+21	4,279414E+21	7,513220E+21
-2687	1,154534E+22	1,529522E+22	1,761627E+22	1,761632E+22	1,529536E+22	1,154551E+22	7,513251E+21	4,279281E+21	2,568476E+21	2,568415E+21	4,279042E+21	7,512758E+21
-2686	1,154491E+22	1,529516E+22	1,761669E+22	1,761673E+22	1,529550E+22	1,154547E+22	7,513203E+21	4,279307E+21	2,568531E+21	2,568505E+21	4,279297E+21	7,513396E+21
-2685	1,154585E+22	1,529571E+22	1,761669E+22	1,761644E+22	1,529509E+22	1,154503E+22	7,512763E+21	4,278982E+21	2,568413E+21	2,568564E+21	4,279374E+21	7,513147E+21
-2684	1,154514E+22	1,529478E+22	1,761595E+22	1,761633E+22	1,529549E+22	1,154563E+22	7,513353E+21	4,279393E+21	2,568588E+21	2,568522E+21	4,279175E+21	7,512975E+21
-2683	1,154530E+22	1,529541E+22	1,761650E+22	1,761641E+22	1,529525E+22	1,154528E+22	7,513148E+21	4,279398E+21	2,568740E+21	2,568780E+21	4,279590E+21	7,513565E+21
-2682	1,154574E+22	1,529544E+22	1,761619E+22	1,761582E+22	1,529474E+22	1,154508E+22	7,513113E+21	4,279443E+21	2,568858E+21	2,568921E+21	4,279553E+21	7,513098E+21
-2681	1,154478E+22	1,529427E+22	1,761551E+22	1,761579E+22	1,529500E+22	1,154549E+22	7,513654E+21	4,279993E+21	2,569272E+21	2,569172E+21	4,279672E+21	7,513211E+21
-2680	1,154529E+22	1,529501E+22	1,761577E+22	1,761559E+22	1,529456E+22	1,154497E+22	7,513260E+21	4,279856E+21	2,569403E+21	2,569524E+21	4,280217E+21	7,513670E+21
-2679	1,154514E+22	1,529431E+22	1,761489E+22	1,761493E+22	1,529442E+22	1,154518E+22	7,513533E+21	4,280087E+21	2,569575E+21	2,569599E+21	4,280083E+21	7,513298E+21
-2678	1,154457E+22	1,529376E+22	1,761465E+22	1,761489E+22	1,529442E+22	1,154527E+22	7,513770E+21	4,280384E+21	2,569809E+21	2,569763E+21	4,280292E+21	7,513815E+21
-2677	1,154556E+22	1,529461E+22	1,761483E+22	1,761451E+22	1,529380E+22	1,154467E+22	7,513290E+21	4,280107E+21	2,569763E+21	2,569899E+21	4,280482E+21	7,513711E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2676	1,154493E+22	1,529379E+22	1,761419E+22	1,761432E+22	1,529404E+22	1,154516E+22	7,513814E+21	4,280456E+21	2,569875E+21	2,569787E+21	4,280151E+21	7,513291E+21
-2675	1,154473E+22	1,529414E+22	1,761494E+22	1,761490E+22	1,529416E+22	1,154496E+22	7,513617E+21	4,280388E+21	2,569880E+21	2,569856E+21	4,280399E+21	7,513863E+21
-2674	1,154544E+22	1,529456E+22	1,761502E+22	1,761476E+22	1,529397E+22	1,154473E+22	7,513276E+21	4,280041E+21	2,569651E+21	2,569743E+21	4,280276E+21	7,513477E+21
-2673	1,154466E+22	1,529358E+22	1,761444E+22	1,761494E+22	1,529458E+22	1,154538E+22	7,513751E+21	4,280252E+21	2,569610E+21	2,569507E+21	4,279947E+21	7,513324E+21
-2672	1,154515E+22	1,529473E+22	1,761539E+22	1,761528E+22	1,529449E+22	1,154506E+22	7,513353E+21	4,279880E+21	2,569356E+21	2,569417E+21	4,280122E+21	7,513746E+21
-2671	1,154543E+22	1,529473E+22	1,761533E+22	1,761521E+22	1,529450E+22	1,154515E+22	7,513348E+21	4,279737E+21	2,569131E+21	2,569129E+21	4,279658E+21	7,513094E+21
-2670	1,154475E+22	1,529427E+22	1,761543E+22	1,761568E+22	1,529490E+22	1,154542E+22	7,513583E+21	4,279881E+21	2,569114E+21	2,568995E+21	4,279550E+21	7,513272E+21
-2669	1,154556E+22	1,529538E+22	1,761616E+22	1,761592E+22	1,529470E+22	1,154489E+22	7,512972E+21	4,279419E+21	2,568899E+21	2,569012E+21	4,279750E+21	7,513338E+21
-2668	1,154510E+22	1,529467E+22	1,761558E+22	1,761573E+22	1,529499E+22	1,154538E+22	7,513345E+21	4,279563E+21	2,568858E+21	2,568822E+21	4,279408E+21	7,512949E+21
-2667	1,154478E+22	1,529466E+22	1,761600E+22	1,761618E+22	1,529516E+22	1,154537E+22	7,513352E+21	4,279629E+21	2,568928E+21	2,568901E+21	4,279624E+21	7,513550E+21
-2666	1,154574E+22	1,529532E+22	1,761608E+22	1,761586E+22	1,529472E+22	1,154495E+22	7,512955E+21	4,279347E+21	2,568830E+21	2,568962E+21	4,279710E+21	7,513355E+21
-2665	1,154509E+22	1,529433E+22	1,761514E+22	1,761549E+22	1,529492E+22	1,154545E+22	7,513525E+21	4,279794E+21	2,569073E+21	2,568991E+21	4,279520E+21	7,513064E+21
-2664	1,154514E+22	1,529505E+22	1,761588E+22	1,761563E+22	1,529463E+22	1,154510E+22	7,513367E+21	4,279836E+21	2,569260E+21	2,569290E+21	4,279976E+21	7,513642E+21
-2663	1,154542E+22	1,529486E+22	1,761554E+22	1,761525E+22	1,529430E+22	1,154489E+22	7,513269E+21	4,279876E+21	2,569409E+21	2,569482E+21	4,280009E+21	7,513262E+21
-2662	1,154458E+22	1,529372E+22	1,761467E+22	1,761504E+22	1,529451E+22	1,154529E+22	7,513755E+21	4,280355E+21	2,569765E+21	2,569694E+21	4,280139E+21	7,513462E+21
-2661	1,154516E+22	1,529447E+22	1,761494E+22	1,761480E+22	1,529405E+22	1,154478E+22	7,513347E+21	4,280183E+21	2,569856E+21	2,569995E+21	4,280617E+21	7,513880E+21
-2660	1,154503E+22	1,529378E+22	1,761400E+22	1,761403E+22	1,529384E+22	1,154502E+22	7,513722E+21	4,280468E+21	2,570021E+21	2,570033E+21	4,280427E+21	7,513457E+21
-2659	1,154451E+22	1,529341E+22	1,761402E+22	1,761422E+22	1,529390E+22	1,154508E+22	7,513949E+21	4,280786E+21	2,570267E+21	2,570181E+21	4,280577E+21	7,513857E+21
-2658	1,154535E+22	1,529428E+22	1,761441E+22	1,761405E+22	1,529340E+22	1,154450E+22	7,513443E+21	4,280489E+21	2,570210E+21	2,570319E+21	4,280811E+21	7,513838E+21
-2657	1,154473E+22	1,529327E+22	1,761352E+22	1,761376E+22	1,529367E+22	1,154499E+22	7,513902E+21	4,280782E+21	2,570312E+21	2,570233E+21	4,280509E+21	7,513415E+21
-2656	1,154455E+22	1,529372E+22	1,761434E+22	1,761429E+22	1,529378E+22	1,154489E+22	7,513772E+21	4,280684E+21	2,570259E+21	2,570251E+21	4,280738E+21	7,514012E+21
-2655	1,154525E+22	1,529406E+22	1,761441E+22	1,761428E+22	1,529369E+22	1,154468E+22	7,513432E+21	4,280336E+21	2,570010E+21	2,570107E+21	4,280574E+21	7,513629E+21
-2654	1,154464E+22	1,529331E+22	1,761382E+22	1,761432E+22	1,529417E+22	1,154524E+22	7,513861E+21	4,280515E+21	2,569931E+21	2,569828E+21	4,280208E+21	7,513442E+21
-2653	1,154509E+22	1,529451E+22	1,761490E+22	1,761468E+22	1,529405E+22	1,154488E+22	7,513419E+21	4,280144E+21	2,569698E+21	2,569744E+21	4,280342E+21	7,513758E+21
-2652	1,154518E+22	1,529431E+22	1,761479E+22	1,761464E+22	1,529406E+22	1,154497E+22	7,513472E+21	4,280053E+21	2,569512E+21	2,569503E+21	4,279947E+21	7,513168E+21
-2651	1,154454E+22	1,529381E+22	1,761489E+22	1,761528E+22	1,529459E+22	1,154524E+22	7,513662E+21	4,280189E+21	2,569513E+21	2,569394E+21	4,279875E+21	7,513388E+21
-2650	1,154533E+22	1,529487E+22	1,761555E+22	1,761543E+22	1,529441E+22	1,154480E+22	7,513076E+21	4,279709E+21	2,569276E+21	2,569402E+21	4,280124E+21	7,513614E+21
-2649	1,154504E+22	1,529413E+22	1,761471E+22	1,761494E+22	1,529451E+22	1,154522E+22	7,513446E+21	4,279857E+21	2,569250E+21	2,569231E+21	4,279759E+21	7,513157E+21
-2648	1,154479E+22	1,529438E+22	1,761533E+22	1,761533E+22	1,529457E+22	1,154522E+22	7,513536E+21	4,279974E+21	2,569336E+21	2,569299E+21	4,279928E+21	7,513659E+21
-2647	1,154560E+22	1,529500E+22	1,761557E+22	1,761526E+22	1,529423E+22	1,154477E+22	7,513131E+21	4,279746E+21	2,569304E+21	2,569415E+21	4,280026E+21	7,513424E+21
-2646	1,154495E+22	1,529404E+22	1,761461E+22	1,761489E+22	1,529442E+22	1,154521E+22	7,513633E+21	4,280170E+21	2,569559E+21	2,569483E+21	4,279902E+21	7,513165E+21
-2645	1,154488E+22	1,529456E+22	1,761526E+22	1,761508E+22	1,529425E+22	1,154492E+22	7,513444E+21	4,280194E+21	2,569756E+21	2,569795E+21	4,280376E+21	7,513761E+21
-2644	1,154511E+22	1,529418E+22	1,761467E+22	1,761452E+22	1,529390E+22	1,154481E+22	7,513465E+21	4,280273E+21	2,569903E+21	2,569989E+21	4,280446E+21	7,513482E+21
-2643	1,154441E+22	1,529310E+22	1,761381E+22	1,761433E+22	1,529407E+22	1,154518E+22	7,513966E+21	4,280772E+21	2,570252E+21	2,570166E+21	4,280519E+21	7,513643E+21
-2642	1,154501E+22	1,529398E+22	1,761417E+22	1,761405E+22	1,529358E+22	1,154467E+22	7,513569E+21	4,280609E+21	2,570334E+21	2,570447E+21	4,280992E+21	7,514095E+21
-2641	1,154494E+22	1,529331E+22	1,761317E+22	1,761311E+22	1,529317E+22	1,154478E+22	7,513882E+21	4,280890E+21	2,570532E+21	2,570526E+21	4,280793E+21	7,513565E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2640	1,154434E+22	1,529306E+22	1,761345E+22	1,761347E+22	1,529328E+22	1,154485E+22	7,514107E+21	4,281186E+21	2,570763E+21	2,570673E+21	4,280958E+21	7,513960E+21
-2639	1,154508E+22	1,529377E+22	1,761386E+22	1,761359E+22	1,529306E+22	1,154433E+22	7,513546E+21	4,280846E+21	2,570686E+21	2,570808E+21	4,281209E+21	7,514011E+21
-2638	1,154462E+22	1,529285E+22	1,761282E+22	1,761314E+22	1,529330E+22	1,154483E+22	7,513951E+21	4,281038E+21	2,570689E+21	2,570642E+21	4,280876E+21	7,513627E+21
-2637	1,154447E+22	1,529334E+22	1,761371E+22	1,761370E+22	1,529344E+22	1,154477E+22	7,513833E+21	4,280919E+21	2,570586E+21	2,570579E+21	4,280992E+21	7,514128E+21
-2636	1,154514E+22	1,529367E+22	1,761376E+22	1,761361E+22	1,529328E+22	1,154459E+22	7,513595E+21	4,280629E+21	2,570338E+21	2,570414E+21	4,280795E+21	7,513692E+21
-2635	1,154451E+22	1,529299E+22	1,761335E+22	1,761383E+22	1,529378E+22	1,154510E+22	7,514008E+21	4,280834E+21	2,570286E+21	2,570144E+21	4,280411E+21	7,513436E+21
-2634	1,154482E+22	1,529412E+22	1,761451E+22	1,761432E+22	1,529376E+22	1,154476E+22	7,513543E+21	4,280449E+21	2,570059E+21	2,570097E+21	4,280633E+21	7,513874E+21
-2633	1,154497E+22	1,529378E+22	1,761409E+22	1,761402E+22	1,529367E+22	1,154480E+22	7,513540E+21	4,280333E+21	2,569897E+21	2,569910E+21	4,280294E+21	7,513328E+21
-2632	1,154441E+22	1,529342E+22	1,761426E+22	1,761458E+22	1,529415E+22	1,154513E+22	7,513782E+21	4,280458E+21	2,569876E+21	2,569782E+21	4,280223E+21	7,513588E+21
-2631	1,154522E+22	1,529445E+22	1,761494E+22	1,761486E+22	1,529404E+22	1,154468E+22	7,513209E+21	4,280016E+21	2,569661E+21	2,569792E+21	4,280438E+21	7,513806E+21
-2630	1,154510E+22	1,529393E+22	1,761409E+22	1,761422E+22	1,529402E+22	1,154502E+22	7,513535E+21	4,280152E+21	2,569632E+21	2,569617E+21	4,280064E+21	7,513295E+21
-2629	1,154473E+22	1,529416E+22	1,761488E+22	1,761473E+22	1,529408E+22	1,154500E+22	7,513620E+21	4,280310E+21	2,569769E+21	2,569712E+21	4,280205E+21	7,513679E+21
-2628	1,154532E+22	1,529452E+22	1,761500E+22	1,761470E+22	1,529381E+22	1,154462E+22	7,513305E+21	4,280155E+21	2,569798E+21	2,569901E+21	4,280398E+21	7,513512E+21
-2627	1,154464E+22	1,529343E+22	1,761394E+22	1,761439E+22	1,529409E+22	1,154508E+22	7,513802E+21	4,280589E+21	2,570079E+21	2,569998E+21	4,280318E+21	7,513311E+21
-2626	1,154456E+22	1,529387E+22	1,761444E+22	1,761441E+22	1,529392E+22	1,154488E+22	7,513649E+21	4,280598E+21	2,570250E+21	2,570302E+21	4,280828E+21	7,514024E+21
-2625	1,154496E+22	1,529349E+22	1,761359E+22	1,761350E+22	1,529330E+22	1,154466E+22	7,513656E+21	4,280691E+21	2,570417E+21	2,570507E+21	4,280875E+21	7,513712E+21
-2624	1,154437E+22	1,529271E+22	1,761297E+22	1,761328E+22	1,529335E+22	1,154498E+22	7,514171E+21	4,281196E+21	2,570759E+21	2,570659E+21	4,280900E+21	7,513799E+21
-2623	1,154486E+22	1,529355E+22	1,761354E+22	1,761332E+22	1,529299E+22	1,154443E+22	7,513726E+21	4,281040E+21	2,570860E+21	2,570955E+21	4,281358E+21	7,514221E+21
-2622	1,154485E+22	1,529300E+22	1,761261E+22	1,761247E+22	1,529263E+22	1,154448E+22	7,513926E+21	4,281228E+21	2,571004E+21	2,571020E+21	4,281200E+21	7,513727E+21
-2621	1,154418E+22	1,529266E+22	1,761292E+22	1,761295E+22	1,529290E+22	1,154463E+22	7,514119E+21	4,281464E+21	2,571182E+21	2,571107E+21	4,281308E+21	7,514082E+21
-2620	1,154484E+22	1,529321E+22	1,761317E+22	1,761301E+22	1,529276E+22	1,154429E+22	7,513704E+21	4,281148E+21	2,571065E+21	2,571202E+21	4,281545E+21	7,514180E+21
-2619	1,154449E+22	1,529239E+22	1,761222E+22	1,761265E+22	1,529302E+22	1,154479E+22	7,514126E+21	4,281347E+21	2,571041E+21	2,570977E+21	4,281131E+21	7,513729E+21
-2618	1,154433E+22	1,529294E+22	1,761313E+22	1,761313E+22	1,529313E+22	1,154475E+22	7,514035E+21	4,281240E+21	2,570928E+21	2,570897E+21	4,281231E+21	7,514210E+21
-2617	1,154498E+22	1,529324E+22	1,761309E+22	1,761287E+22	1,529276E+22	1,154443E+22	7,513746E+21	4,280969E+21	2,570734E+21	2,570791E+21	4,281064E+21	7,513742E+21
-2616	1,154433E+22	1,529265E+22	1,761285E+22	1,761315E+22	1,529325E+22	1,154490E+22	7,514124E+21	4,281154E+21	2,570686E+21	2,570546E+21	4,280731E+21	7,513532E+21
-2615	1,154458E+22	1,529360E+22	1,761394E+22	1,761384E+22	1,529343E+22	1,154459E+22	7,513617E+21	4,280745E+21	2,570460E+21	2,570515E+21	4,280981E+21	7,514068E+21
-2614	1,154495E+22	1,529343E+22	1,761344E+22	1,761336E+22	1,529323E+22	1,154460E+22	7,513558E+21	4,280550E+21	2,570235E+21	2,570291E+21	4,280649E+21	7,513566E+21
-2613	1,154443E+22	1,529315E+22	1,761373E+22	1,761396E+22	1,529371E+22	1,154493E+22	7,513809E+21	4,280689E+21	2,570204E+21	2,570111E+21	4,280474E+21	7,513698E+21
-2612	1,154515E+22	1,529414E+22	1,761440E+22	1,761424E+22	1,529363E+22	1,154458E+22	7,513374E+21	4,280343E+21	2,570039E+21	2,570150E+21	4,280690E+21	7,513863E+21
-2611	1,154495E+22	1,529362E+22	1,761371E+22	1,761381E+22	1,529365E+22	1,154488E+22	7,513697E+21	4,280525E+21	2,570068E+21	2,570021E+21	4,280333E+21	7,513303E+21
-2610	1,154441E+22	1,529366E+22	1,761439E+22	1,761434E+22	1,529384E+22	1,154495E+22	7,513808E+21	4,280701E+21	2,570236E+21	2,570179E+21	4,280577E+21	7,513782E+21
-2609	1,154500E+22	1,529381E+22	1,761412E+22	1,761395E+22	1,529339E+22	1,154452E+22	7,513480E+21	4,280560E+21	2,570315E+21	2,570434E+21	4,280847E+21	7,513702E+21
-2608	1,154442E+22	1,529283E+22	1,761307E+22	1,761345E+22	1,529355E+22	1,154501E+22	7,514023E+21	4,280998E+21	2,570588E+21	2,570525E+21	4,280776E+21	7,513560E+21
-2607	1,154441E+22	1,529324E+22	1,761355E+22	1,761357E+22	1,529339E+22	1,154475E+22	7,513858E+21	4,281031E+21	2,570771E+21	2,570822E+21	4,281243E+21	7,514268E+21
-2606	1,154502E+22	1,529314E+22	1,761273E+22	1,761249E+22	1,529258E+22	1,154438E+22	7,513766E+21	4,281072E+21	2,570909E+21	2,571008E+21	4,281282E+21	7,513902E+21
-2605	1,154431E+22	1,529242E+22	1,761241E+22	1,761251E+22	1,529269E+22	1,154463E+22	7,514219E+21	4,281561E+21	2,571249E+21	2,571136E+21	4,281249E+21	7,513884E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2604	1,154463E+22	1,529307E+22	1,761296E+22	1,761273E+22	1,529251E+22	1,154420E+22	7,513841E+21	4,281423E+21	2,571352E+21	2,571452E+21	4,281756E+21	7,514355E+21
-2603	1,154460E+22	1,529245E+22	1,761204E+22	1,761203E+22	1,529232E+22	1,154434E+22	7,514033E+21	4,281569E+21	2,571453E+21	2,571473E+21	4,281572E+21	7,513880E+21
-2602	1,154397E+22	1,529210E+22	1,761226E+22	1,761244E+22	1,529268E+22	1,154465E+22	7,514299E+21	4,281778E+21	2,571565E+21	2,571505E+21	4,281653E+21	7,514258E+21
-2601	1,154472E+22	1,529267E+22	1,761230E+22	1,761218E+22	1,529230E+22	1,154423E+22	7,513905E+21	4,281493E+21	2,571460E+21	2,571582E+21	4,281832E+21	7,514285E+21
-2600	1,154440E+22	1,529208E+22	1,761160E+22	1,761181E+22	1,529247E+22	1,154470E+22	7,514333E+21	4,281699E+21	2,571434E+21	2,571344E+21	4,281387E+21	7,513776E+21
-2599	1,154412E+22	1,529250E+22	1,761262E+22	1,761259E+22	1,529270E+22	1,154459E+22	7,514183E+21	4,281595E+21	2,571346E+21	2,571292E+21	4,281496E+21	7,514260E+21
-2598	1,154487E+22	1,529289E+22	1,761254E+22	1,761230E+22	1,529230E+22	1,154417E+22	7,513763E+21	4,281226E+21	2,571106E+21	2,571192E+21	4,281410E+21	7,513887E+21
-2597	1,154420E+22	1,529230E+22	1,761238E+22	1,761267E+22	1,529288E+22	1,154466E+22	7,514095E+21	4,281360E+21	2,571016E+21	2,570899E+21	4,281039E+21	7,513683E+21
-2596	1,154444E+22	1,529314E+22	1,761336E+22	1,761331E+22	1,529310E+22	1,154450E+22	7,513725E+21	4,280994E+21	2,570783E+21	2,570857E+21	4,281290E+21	7,514254E+21
-2595	1,154491E+22	1,529309E+22	1,761298E+22	1,761292E+22	1,529292E+22	1,154451E+22	7,513684E+21	4,280824E+21	2,570562E+21	2,570607E+21	4,280898E+21	7,513677E+21
-2594	1,154436E+22	1,529287E+22	1,761328E+22	1,761347E+22	1,529342E+22	1,154490E+22	7,513994E+21	4,281002E+21	2,570560E+21	2,570459E+21	4,280731E+21	7,513742E+21
-2593	1,154496E+22	1,529371E+22	1,761378E+22	1,761356E+22	1,529315E+22	1,154445E+22	7,513565E+21	4,280735E+21	2,570500E+21	2,570593E+21	4,281009E+21	7,513908E+21
-2592	1,154470E+22	1,529315E+22	1,761312E+22	1,761313E+22	1,529319E+22	1,154476E+22	7,513873E+21	4,280929E+21	2,570573E+21	2,570530E+21	4,280747E+21	7,513440E+21
-2591	1,154411E+22	1,529291E+22	1,761356E+22	1,761369E+22	1,529348E+22	1,154485E+22	7,513978E+21	4,281108E+21	2,570759E+21	2,570714E+21	4,281018E+21	7,514006E+21
-2590	1,154492E+22	1,529324E+22	1,761318E+22	1,761302E+22	1,529281E+22	1,154432E+22	7,513591E+21	4,280907E+21	2,570788E+21	2,570946E+21	4,281314E+21	7,513997E+21
-2589	1,154443E+22	1,529242E+22	1,761228E+22	1,761252E+22	1,529284E+22	1,154469E+22	7,514099E+21	4,281348E+21	2,571045E+21	2,570977E+21	4,281132E+21	7,513721E+21
-2588	1,154433E+22	1,529282E+22	1,761281E+22	1,761270E+22	1,529274E+22	1,154452E+22	7,514029E+21	4,281440E+21	2,571258E+21	2,571292E+21	4,281596E+21	7,514378E+21
-2587	1,154486E+22	1,529278E+22	1,761229E+22	1,761195E+22	1,529206E+22	1,154413E+22	7,513889E+21	4,281470E+21	2,571404E+21	2,571484E+21	4,281631E+21	7,513976E+21
-2586	1,154406E+22	1,529194E+22	1,761189E+22	1,761207E+22	1,529239E+22	1,154453E+22	7,514358E+21	4,281923E+21	2,571716E+21	2,571621E+21	4,281645E+21	7,513999E+21
-2585	1,154435E+22	1,529244E+22	1,761215E+22	1,761203E+22	1,529214E+22	1,154413E+22	7,514022E+21	4,281806E+21	2,571835E+21	2,571943E+21	4,282163E+21	7,514524E+21
-2584	1,154442E+22	1,529192E+22	1,761130E+22	1,761127E+22	1,529191E+22	1,154433E+22	7,514255E+21	4,281946E+21	2,571904E+21	2,571924E+21	4,281943E+21	7,514056E+21
-2583	1,154380E+22	1,529150E+22	1,761147E+22	1,761176E+22	1,529230E+22	1,154460E+22	7,514529E+21	4,282174E+21	2,572010E+21	2,571926E+21	4,281954E+21	7,514375E+21
-2582	1,154469E+22	1,529234E+22	1,761159E+22	1,761135E+22	1,529171E+22	1,154402E+22	7,514032E+21	4,281827E+21	2,571869E+21	2,571987E+21	4,282147E+21	7,514387E+21
-2581	1,154427E+22	1,529178E+22	1,761114E+22	1,761118E+22	1,529187E+22	1,154437E+22	7,514375E+21	4,282004E+21	2,571829E+21	2,571725E+21	4,281669E+21	7,513825E+21
-2580	1,154388E+22	1,529202E+22	1,761207E+22	1,761208E+22	1,529230E+22	1,154440E+22	7,514262E+21	4,281890E+21	2,571734E+21	2,571696E+21	4,281843E+21	7,514395E+21
-2579	1,154468E+22	1,529243E+22	1,761205E+22	1,761191E+22	1,529201E+22	1,154403E+22	7,513808E+21	4,281464E+21	2,571443E+21	2,571547E+21	4,281734E+21	7,514072E+21
-2578	1,154412E+22	1,529190E+22	1,761184E+22	1,761223E+22	1,529265E+22	1,154463E+22	7,514202E+21	4,281574E+21	2,571303E+21	2,571218E+21	4,281335E+21	7,513859E+21
-2577	1,154442E+22	1,529277E+22	1,761268E+22	1,761260E+22	1,529266E+22	1,154441E+22	7,513886E+21	4,281292E+21	2,571127E+21	2,571188E+21	4,281543E+21	7,514350E+21
-2576	1,154485E+22	1,529287E+22	1,761251E+22	1,761226E+22	1,529246E+22	1,154442E+22	7,513866E+21	4,281164E+21	2,570951E+21	2,570970E+21	4,281151E+21	7,513713E+21
-2575	1,154414E+22	1,529243E+22	1,761281E+22	1,761303E+22	1,529307E+22	1,154479E+22	7,514178E+21	4,281388E+21	2,571015E+21	2,570892E+21	4,281026E+21	7,513783E+21
-2574	1,154478E+22	1,529326E+22	1,761312E+22	1,761292E+22	1,529270E+22	1,154425E+22	7,513653E+21	4,281064E+21	2,570947E+21	2,571065E+21	4,281408E+21	7,514054E+21
-2573	1,154450E+22	1,529264E+22	1,761244E+22	1,761246E+22	1,529270E+22	1,154454E+22	7,513947E+21	4,281249E+21	2,571009E+21	2,570983E+21	4,281137E+21	7,513625E+21
-2572	1,154394E+22	1,529229E+22	1,761271E+22	1,761292E+22	1,529299E+22	1,154473E+22	7,514157E+21	4,281476E+21	2,571210E+21	2,571179E+21	4,281426E+21	7,514225E+21
-2571	1,154484E+22	1,529277E+22	1,761247E+22	1,761229E+22	1,529228E+22	1,154413E+22	7,513748E+21	4,281285E+21	2,571242E+21	2,571386E+21	4,281670E+21	7,514164E+21
-2570	1,154436E+22	1,529207E+22	1,761168E+22	1,761183E+22	1,529234E+22	1,154453E+22	7,514268E+21	4,281730E+21	2,571510E+21	2,571444E+21	4,281494E+21	7,513819E+21
-2569	1,154413E+22	1,529234E+22	1,761212E+22	1,761192E+22	1,529211E+22	1,154428E+22	7,514200E+21	4,281887E+21	2,571801E+21	2,571821E+21	4,281998E+21	7,514474E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2568	1,154461E+22	1,529227E+22	1,761164E+22	1,761128E+22	1,529160E+22	1,154398E+22	7,514045E+21	4,281894E+21	2,571951E+21	2,572036E+21	4,282079E+21	7,514137E+21
-2567	1,154378E+22	1,529124E+22	1,761109E+22	1,761146E+22	1,529207E+22	1,154447E+22	7,514548E+21	4,282336E+21	2,572240E+21	2,572152E+21	4,282069E+21	7,514200E+21
-2566	1,154427E+22	1,529190E+22	1,761124E+22	1,761116E+22	1,529162E+22	1,154400E+22	7,514174E+21	4,282159E+21	2,572289E+21	2,572415E+21	4,282568E+21	7,514742E+21
-2565	1,154437E+22	1,529153E+22	1,761059E+22	1,761048E+22	1,529132E+22	1,154409E+22	7,514380E+21	4,282292E+21	2,572319E+21	2,572318E+21	4,282238E+21	7,514158E+21
-2564	1,154367E+22	1,529107E+22	1,761080E+22	1,761106E+22	1,529178E+22	1,154443E+22	7,514699E+21	4,282539E+21	2,572430E+21	2,572327E+21	4,282253E+21	7,514434E+21
-2563	1,154447E+22	1,529195E+22	1,761118E+22	1,761092E+22	1,529129E+22	1,154381E+22	7,514120E+21	4,282142E+21	2,572261E+21	2,572368E+21	4,282447E+21	7,514468E+21
-2562	1,154407E+22	1,529136E+22	1,761067E+22	1,761080E+22	1,529161E+22	1,154425E+22	7,514444E+21	4,282245E+21	2,572168E+21	2,572101E+21	4,282007E+21	7,513953E+21
-2561	1,154369E+22	1,529152E+22	1,761137E+22	1,761145E+22	1,529192E+22	1,154430E+22	7,514380E+21	4,282165E+21	2,572087E+21	2,572066E+21	4,282177E+21	7,514584E+21
-2560	1,154463E+22	1,529209E+22	1,761146E+22	1,761130E+22	1,529167E+22	1,154399E+22	7,513957E+21	4,281743E+21	2,571784E+21	2,571890E+21	4,282026E+21	7,514247E+21
-2559	1,154408E+22	1,529152E+22	1,761123E+22	1,761168E+22	1,529234E+22	1,154458E+22	7,514379E+21	4,281894E+21	2,571666E+21	2,571553E+21	4,281560E+21	7,513942E+21
-2558	1,154442E+22	1,529255E+22	1,761212E+22	1,761192E+22	1,529215E+22	1,154423E+22	7,514007E+21	4,281602E+21	2,571505E+21	2,571554E+21	4,281812E+21	7,514406E+21
-2557	1,154469E+22	1,529259E+22	1,761213E+22	1,761177E+22	1,529193E+22	1,154411E+22	7,513930E+21	4,281487E+21	2,571357E+21	2,571360E+21	4,281437E+21	7,513747E+21
-2556	1,154385E+22	1,529184E+22	1,761214E+22	1,761250E+22	1,529271E+22	1,154465E+22	7,514304E+21	4,281738E+21	2,571460E+21	2,571350E+21	4,281415E+21	7,513908E+21
-2555	1,154450E+22	1,529267E+22	1,761248E+22	1,761239E+22	1,529234E+22	1,154413E+22	7,513768E+21	4,281386E+21	2,571370E+21	2,571503E+21	4,281795E+21	7,514261E+21
-2554	1,154438E+22	1,529213E+22	1,761169E+22	1,761177E+22	1,529229E+22	1,154444E+22	7,514105E+21	4,281569E+21	2,571417E+21	2,571420E+21	4,281518E+21	7,513809E+21
-2553	1,154385E+22	1,529182E+22	1,761182E+22	1,761196E+22	1,529234E+22	1,154454E+22	7,514358E+21	4,281894E+21	2,571694E+21	2,571643E+21	4,281784E+21	7,514362E+21
-2552	1,154474E+22	1,529244E+22	1,761181E+22	1,761148E+22	1,529168E+22	1,154395E+22	7,513928E+21	4,281724E+21	2,571771E+21	2,571889E+21	4,282039E+21	7,514266E+21
-2551	1,154412E+22	1,529154E+22	1,761105E+22	1,761126E+22	1,529190E+22	1,154435E+22	7,514435E+21	4,282177E+21	2,572066E+21	2,571986E+21	4,281892E+21	7,513942E+21
-2550	1,154397E+22	1,529183E+22	1,761136E+22	1,761121E+22	1,529162E+22	1,154406E+22	7,514299E+21	4,282266E+21	2,572321E+21	2,572370E+21	4,282472E+21	7,514683E+21
-2549	1,154442E+22	1,529174E+22	1,761094E+22	1,761061E+22	1,529110E+22	1,154376E+22	7,514163E+21	4,282258E+21	2,572424E+21	2,572522E+21	4,282494E+21	7,514340E+21
-2548	1,154362E+22	1,529063E+22	1,761023E+22	1,761072E+22	1,529166E+22	1,154440E+22	7,514769E+21	4,282727E+21	2,572702E+21	2,572619E+21	4,282464E+21	7,514378E+21
-2547	1,154413E+22	1,529146E+22	1,761059E+22	1,761047E+22	1,529115E+22	1,154388E+22	7,514359E+21	4,282530E+21	2,572716E+21	2,572819E+21	4,282874E+21	7,514853E+21
-2546	1,154426E+22	1,529119E+22	1,761002E+22	1,760985E+22	1,529086E+22	1,154396E+22	7,514549E+21	4,282635E+21	2,572729E+21	2,572729E+21	4,282552E+21	7,514220E+21
-2545	1,154345E+22	1,529059E+22	1,761011E+22	1,761034E+22	1,529122E+22	1,154420E+22	7,514839E+21	4,282914E+21	2,572880E+21	2,572767E+21	4,282604E+21	7,514544E+21
-2544	1,154424E+22	1,529146E+22	1,761052E+22	1,761032E+22	1,529092E+22	1,154366E+22	7,514210E+21	4,282459E+21	2,572682E+21	2,572795E+21	4,282813E+21	7,514652E+21
-2543	1,154390E+22	1,529084E+22	1,761000E+22	1,761028E+22	1,529132E+22	1,154417E+22	7,514557E+21	4,282533E+21	2,572545E+21	2,572485E+21	4,282327E+21	7,514171E+21
-2542	1,154375E+22	1,529121E+22	1,761068E+22	1,761071E+22	1,529142E+22	1,154411E+22	7,514454E+21	4,282407E+21	2,572411E+21	2,572402E+21	4,282464E+21	7,514752E+21
-2541	1,154463E+22	1,529191E+22	1,761102E+22	1,761071E+22	1,529115E+22	1,154374E+22	7,514037E+21	4,282012E+21	2,572099E+21	2,572178E+21	4,282215E+21	7,514277E+21
-2540	1,154395E+22	1,529124E+22	1,761080E+22	1,761121E+22	1,529196E+22	1,154445E+22	7,514520E+21	4,282208E+21	2,572033E+21	2,571902E+21	4,281801E+21	7,513932E+21
-2539	1,154413E+22	1,529219E+22	1,761180E+22	1,761161E+22	1,529185E+22	1,154408E+22	7,514103E+21	4,281903E+21	2,571882E+21	2,571919E+21	4,282080E+21	7,514438E+21
-2538	1,154442E+22	1,529211E+22	1,761160E+22	1,761139E+22	1,529173E+22	1,154406E+22	7,514041E+21	4,281761E+21	2,571732E+21	2,571773E+21	4,281796E+21	7,513872E+21
-2537	1,154360E+22	1,529122E+22	1,761127E+22	1,761174E+22	1,529227E+22	1,154455E+22	7,514482E+21	4,282094E+21	2,571893E+21	2,571795E+21	4,281811E+21	7,514124E+21
-2536	1,154436E+22	1,529214E+22	1,761162E+22	1,761159E+22	1,529190E+22	1,154404E+22	7,513957E+21	4,281766E+21	2,571827E+21	2,571955E+21	4,282176E+21	7,514480E+21
-2535	1,154430E+22	1,529167E+22	1,761090E+22	1,761099E+22	1,529179E+22	1,154430E+22	7,514301E+21	4,281988E+21	2,571914E+21	2,571894E+21	4,281870E+21	7,513974E+21
-2534	1,154383E+22	1,529152E+22	1,761111E+22	1,761106E+22	1,529162E+22	1,154423E+22	7,514469E+21	4,282294E+21	2,572208E+21	2,572158E+21	4,282190E+21	7,514507E+21
-2533	1,154457E+22	1,529207E+22	1,761128E+22	1,761085E+22	1,529105E+22	1,154357E+22	7,514003E+21	4,282125E+21	2,572289E+21	2,572407E+21	4,282450E+21	7,514405E+21

1 Longitude ☉	2	3	4	5	6	7	8	9	10	11	12	13
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
-2532	1,154387E+22	1,529094E+22	1,761028E+22	1,761065E+22	1,529151E+22	1,154420E+22	7,514572E+21	4,282572E+21	2,572590E+21	2,572534E+21	4,282362E+21	7,514138E+21
-2531	1,154371E+22	1,529124E+22	1,761066E+22	1,761060E+22	1,529126E+22	1,154397E+22	7,514455E+21	4,282629E+21	2,572789E+21	2,572847E+21	4,282879E+21	7,514906E+21
-2530	1,154432E+22	1,529125E+22	1,761017E+22	1,760992E+22	1,529071E+22	1,154371E+22	7,514362E+21	4,282611E+21	2,572858E+21	2,572972E+21	4,282861E+21	7,514486E+21
-2529	1,154348E+22	1,529015E+22	1,760934E+22	1,760979E+22	1,529105E+22	1,154427E+22	7,515011E+21	4,283165E+21	2,573182E+21	2,573066E+21	4,282796E+21	7,514478E+21
-2528	1,154393E+22	1,529105E+22	1,760992E+22	1,760974E+22	1,529065E+22	1,154373E+22	7,514547E+21	4,282952E+21	2,573208E+21	2,573276E+21	4,283199E+21	7,514929E+21
-2527	1,154400E+22	1,529066E+22	1,760937E+22	1,760928E+22	1,529046E+22	1,154379E+22	7,514686E+21	4,283020E+21	2,573204E+21	2,573187E+21	4,282891E+21	7,514343E+21
-2526	1,154331E+22	1,529014E+22	1,760940E+22	1,760963E+22	1,529073E+22	1,154397E+22	7,514883E+21	4,283201E+21	2,573289E+21	2,573201E+21	4,282990E+21	7,514752E+21
-2525	1,154414E+22	1,529109E+22	1,760997E+22	1,760974E+22	1,529044E+22	1,154341E+22	7,514264E+21	4,282719E+21	2,573023E+21	2,573147E+21	4,283117E+21	7,514838E+21
-2524	1,154384E+22	1,529044E+22	1,760937E+22	1,760972E+22	1,529099E+22	1,154408E+22	7,514684E+21	4,282805E+21	2,572877E+21	2,572820E+21	4,282601E+21	7,514292E+21
-2523	1,154366E+22	1,529099E+22	1,761031E+22	1,761025E+22	1,529108E+22	1,154401E+22	7,514567E+21	4,282673E+21	2,572725E+21	2,572692E+21	4,282661E+21	7,514794E+21
-2522	1,154451E+22	1,529168E+22	1,761069E+22	1,761033E+22	1,529085E+22	1,154364E+22	7,514158E+21	4,282281E+21	2,572438E+21	2,572518E+21	4,282450E+21	7,514259E+21
-2521	1,154366E+22	1,529078E+22	1,761020E+22	1,761065E+22	1,529156E+22	1,154430E+22	7,514667E+21	4,282559E+21	2,572454E+21	2,572316E+21	4,282130E+21	7,514013E+21
-2520	1,154381E+22	1,529159E+22	1,761107E+22	1,761105E+22	1,529160E+22	1,154402E+22	7,514230E+21	4,282240E+21	2,572320E+21	2,572363E+21	4,282451E+21	7,514610E+21
-2519	1,154420E+22	1,529148E+22	1,761076E+22	1,761072E+22	1,529140E+22	1,154401E+22	7,514212E+21	4,282109E+21	2,572169E+21	2,572214E+21	4,282170E+21	7,514131E+21
-2518	1,154363E+22	1,529082E+22	1,761040E+22	1,761078E+22	1,529162E+22	1,154431E+22	7,514593E+21	4,282425E+21	2,572319E+21	2,572235E+21	4,282192E+21	7,514361E+21
-2517	1,154436E+22	1,529188E+22	1,761102E+22	1,761078E+22	1,529118E+22	1,154371E+22	7,514061E+21	4,282131E+21	2,572263E+21	2,572374E+21	4,282491E+21	7,514610E+21
-2516	1,154419E+22	1,529132E+22	1,761034E+22	1,761036E+22	1,529126E+22	1,154407E+22	7,514427E+21	4,282373E+21	2,572402E+21	2,572381E+21	4,282243E+21	7,514066E+21
-2515	1,154358E+22	1,529114E+22	1,761069E+22	1,761060E+22	1,529123E+22	1,154402E+22	7,514552E+21	4,282645E+21	2,572681E+21	2,572637E+21	4,282567E+21	7,514631E+21
-2514	1,154434E+22	1,529157E+22	1,761067E+22	1,761036E+22	1,529080E+22	1,154351E+22	7,514140E+21	4,282459E+21	2,572753E+21	2,572909E+21	4,282869E+21	7,514560E+21
-2513	1,154363E+22	1,529031E+22	1,760939E+22	1,760985E+22	1,529107E+22	1,154415E+22	7,514817E+21	4,283004E+21	2,573097E+21	2,573040E+21	4,282791E+21	7,514353E+21
-2512	1,154353E+22	1,529063E+22	1,760972E+22	1,760979E+22	1,529086E+22	1,154393E+22	7,514711E+21	4,283081E+21	2,573303E+21	2,573332E+21	4,283240E+21	7,515053E+21
-2511	1,154415E+22	1,529072E+22	1,760933E+22	1,760910E+22	1,529023E+22	1,154363E+22	7,514624E+21	4,283082E+21	2,573384E+21	2,573455E+21	4,283205E+21	7,514619E+21
-2510	1,154338E+22	1,528975E+22	1,760858E+22	1,760884E+22	1,529029E+22	1,154394E+22	7,515134E+21	4,283574E+21	2,573692E+21	2,573568E+21	4,283190E+21	7,514607E+21
-2509	1,154370E+22	1,529057E+22	1,760931E+22	1,760906E+22	1,528999E+22	1,154335E+22	7,514600E+21	4,283312E+21	2,573672E+21	2,573743E+21	4,283576E+21	7,515080E+21
-2508	1,154378E+22	1,529010E+22	1,760867E+22	1,760869E+22	1,529008E+22	1,154361E+22	7,514746E+21	4,283316E+21	2,573628E+21	2,573644E+21	4,283297E+21	7,514549E+21
-2507	1,154317E+22	1,528975E+22	1,760887E+22	1,760908E+22	1,529036E+22	1,154382E+22	7,514933E+21	4,283432E+21	2,573620E+21	2,573550E+21	4,283293E+21	7,514949E+21
-2506	1,154414E+22	1,529082E+22	1,760946E+22	1,760924E+22	1,529015E+22	1,154335E+22	7,514372E+21	4,282944E+21	2,573324E+21	2,573461E+21	4,283352E+21	7,514910E+21
-2505	1,154375E+22	1,529016E+22	1,760882E+22	1,760909E+22	1,529056E+22	1,154397E+22	7,514856E+21	4,283128E+21	2,573234E+21	2,573146E+21	4,282825E+21	7,514323E+21
-2504	1,154344E+22	1,529062E+22	1,760984E+22	1,760981E+22	1,529082E+22	1,154393E+22	7,514721E+21	4,283008E+21	2,573118E+21	2,573053E+21	4,282892E+21	7,514791E+21
-2503	1,154421E+22	1,529117E+22	1,761014E+22	1,760992E+22	1,529064E+22	1,154359E+22	7,514312E+21	4,282616E+21	2,572849E+21	2,572918E+21	4,282755E+21	7,514373E+21
-2502	1,154349E+22	1,529028E+22	1,760945E+22	1,760990E+22	1,529110E+22	1,154414E+22	7,514752E+21	4,282847E+21	2,572850E+21	2,572744E+21	4,282523E+21	7,514239E+21
-2501	1,154368E+22	1,529111E+22	1,761038E+22	1,761034E+22	1,529106E+22	1,154380E+22	7,514340E+21	4,282543E+21	2,572695E+21	2,572753E+21	4,282793E+21	7,514835E+21
-2500	1,154417E+22	1,529105E+22	1,761000E+22	1,760997E+22	1,529094E+22	1,154386E+22	7,514352E+21	4,282438E+21	2,572578E+21	2,572632E+21	4,282519E+21	7,514305E+21
-2499	1,154358E+22	1,529060E+22	1,760994E+22	1,761011E+22	1,529108E+22	1,154409E+22	7,514688E+21	4,282748E+21	2,572729E+21	2,572633E+21	4,282490E+21	7,514479E+21
-2498	1,154427E+22	1,529163E+22	1,761062E+22	1,761026E+22	1,529073E+22	1,154350E+22	7,514166E+21	4,282467E+21	2,572713E+21	2,572836E+21	4,282831E+21	7,514662E+21
-2497	1,154391E+22	1,529079E+22	1,760968E+22	1,760972E+22	1,529081E+22	1,154388E+22	7,514579E+21	4,282792E+21	2,572923E+21	2,572904E+21	4,282667E+21	7,514211E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2496	1,154329E+22	1,529048E+22	1,760988E+22	1,760999E+22	1,529097E+22	1,154398E+22	7,514736E+21	4,283061E+21	2,573212E+21	2,573168E+21	4,282989E+21	7,514809E+21
-2495	1,154411E+22	1,529090E+22	1,760976E+22	1,760959E+22	1,529043E+22	1,154351E+22	7,514398E+21	4,282906E+21	2,573281E+21	2,573420E+21	4,283273E+21	7,514778E+21
-2494	1,154355E+22	1,528979E+22	1,760842E+22	1,760878E+22	1,529038E+22	1,154395E+22	7,515018E+21	4,283443E+21	2,573620E+21	2,573553E+21	4,283200E+21	7,514540E+21
-2493	1,154340E+22	1,529018E+22	1,760900E+22	1,760890E+22	1,529011E+22	1,154363E+22	7,514879E+21	4,283521E+21	2,573812E+21	2,573815E+21	4,283588E+21	7,515150E+21
-2492	1,154394E+22	1,529021E+22	1,760863E+22	1,760838E+22	1,528967E+22	1,154338E+22	7,514754E+21	4,283490E+21	2,573901E+21	2,573975E+21	4,283611E+21	7,514728E+21
-2491	1,154313E+22	1,528931E+22	1,760806E+22	1,760827E+22	1,528983E+22	1,154369E+22	7,515166E+21	4,283879E+21	2,574128E+21	2,574025E+21	4,283578E+21	7,514790E+21
-2490	1,154356E+22	1,529013E+22	1,760874E+22	1,760853E+22	1,528967E+22	1,154322E+22	7,514662E+21	4,283558E+21	2,574050E+21	2,574166E+21	4,283943E+21	7,515252E+21
-2489	1,154365E+22	1,528962E+22	1,760796E+22	1,760801E+22	1,528967E+22	1,154352E+22	7,514902E+21	4,283626E+21	2,574004E+21	2,574028E+21	4,283631E+21	7,514744E+21
-2488	1,154311E+22	1,528935E+22	1,760822E+22	1,760852E+22	1,529011E+22	1,154380E+22	7,515105E+21	4,283750E+21	2,573989E+21	2,573892E+21	4,283526E+21	7,515020E+21
-2487	1,154404E+22	1,529049E+22	1,760893E+22	1,760869E+22	1,528985E+22	1,154334E+22	7,514589E+21	4,283300E+21	2,573712E+21	2,573804E+21	4,283573E+21	7,514955E+21
-2486	1,154361E+22	1,528984E+22	1,760831E+22	1,760842E+22	1,529003E+22	1,154376E+22	7,514968E+21	4,283455E+21	2,573636E+21	2,573543E+21	4,283132E+21	7,514403E+21
-2485	1,154319E+22	1,529012E+22	1,760932E+22	1,760930E+22	1,529035E+22	1,154369E+22	7,514799E+21	4,283313E+21	2,573503E+21	2,573447E+21	4,283211E+21	7,514900E+21
-2484	1,154398E+22	1,529058E+22	1,760944E+22	1,760935E+22	1,529032E+22	1,154349E+22	7,514410E+21	4,282896E+21	2,573233E+21	2,573338E+21	4,283138E+21	7,514576E+21
-2483	1,154339E+22	1,528991E+22	1,760888E+22	1,760923E+22	1,529064E+22	1,154397E+22	7,514819E+21	4,283086E+21	2,573181E+21	2,573098E+21	4,282839E+21	7,514457E+21
-2482	1,154373E+22	1,529085E+22	1,760984E+22	1,760969E+22	1,529061E+22	1,154366E+22	7,514443E+21	4,282806E+21	2,573046E+21	2,573116E+21	4,283064E+21	7,514927E+21
-2481	1,154410E+22	1,529076E+22	1,760946E+22	1,760926E+22	1,529039E+22	1,154367E+22	7,514508E+21	4,282810E+21	2,573012E+21	2,573046E+21	4,282826E+21	7,514388E+21
-2480	1,154338E+22	1,529018E+22	1,760941E+22	1,760963E+22	1,529075E+22	1,154394E+22	7,514820E+21	4,283130E+21	2,573209E+21	2,573092E+21	4,282803E+21	7,514512E+21
-2479	1,154398E+22	1,529106E+22	1,760999E+22	1,760977E+22	1,529049E+22	1,154346E+22	7,514357E+21	4,282878E+21	2,573222E+21	2,573332E+21	4,283222E+21	7,514817E+21
-2478	1,154370E+22	1,529021E+22	1,760886E+22	1,760890E+22	1,529029E+22	1,154373E+22	7,514732E+21	4,283183E+21	2,573435E+21	2,573440E+21	4,283136E+21	7,514452E+21
-2477	1,154310E+22	1,528982E+22	1,760902E+22	1,760916E+22	1,529038E+22	1,154381E+22	7,514942E+21	4,283481E+21	2,573708E+21	2,573668E+21	4,283396E+21	7,515000E+21
-2476	1,154398E+22	1,529031E+22	1,760885E+22	1,760872E+22	1,528991E+22	1,154339E+22	7,514618E+21	4,283343E+21	2,573805E+21	2,573944E+21	4,283693E+21	7,514940E+21
-2475	1,154342E+22	1,528945E+22	1,760779E+22	1,760790E+22	1,528970E+22	1,154369E+22	7,515154E+21	4,283838E+21	2,574114E+21	2,574041E+21	4,283576E+21	7,514682E+21
-2474	1,154326E+22	1,528976E+22	1,760841E+22	1,760822E+22	1,528955E+22	1,154337E+22	7,514969E+21	4,283881E+21	2,574305E+21	2,574325E+21	4,283979E+21	7,515241E+21
-2473	1,154368E+22	1,528962E+22	1,760787E+22	1,760766E+22	1,528916E+22	1,154315E+22	7,514861E+21	4,283873E+21	2,574399E+21	2,574487E+21	4,284056E+21	7,514939E+21
-2472	1,154294E+22	1,528869E+22	1,760727E+22	1,760767E+22	1,528954E+22	1,154359E+22	7,515276E+21	4,284207E+21	2,574571E+21	2,574478E+21	4,283952E+21	7,514989E+21
-2471	1,154347E+22	1,528964E+22	1,760802E+22	1,760789E+22	1,528935E+22	1,154322E+22	7,514869E+21	4,283905E+21	2,574455E+21	2,574554E+21	4,284258E+21	7,515446E+21
-2470	1,154366E+22	1,528931E+22	1,760730E+22	1,760720E+22	1,528910E+22	1,154334E+22	7,515050E+21	4,283956E+21	2,574394E+21	2,574403E+21	4,283918E+21	7,514856E+21
-2469	1,154301E+22	1,528906E+22	1,760778E+22	1,760792E+22	1,528956E+22	1,154359E+22	7,515259E+21	4,284086E+21	2,574366E+21	2,574243E+21	4,283750E+21	7,515010E+21
-2468	1,154381E+22	1,529007E+22	1,760845E+22	1,760824E+22	1,528952E+22	1,154322E+22	7,514716E+21	4,283620E+21	2,574110E+21	2,574202E+21	4,283868E+21	7,514971E+21
-2467	1,154335E+22	1,528946E+22	1,760789E+22	1,760796E+22	1,528969E+22	1,154360E+22	7,515018E+21	4,283697E+21	2,573979E+21	2,573908E+21	4,283450E+21	7,514552E+21
-2466	1,154306E+22	1,528966E+22	1,760875E+22	1,760880E+22	1,529006E+22	1,154360E+22	7,514874E+21	4,283535E+21	2,573832E+21	2,573814E+21	4,283529E+21	7,515042E+21
-2465	1,154384E+22	1,529006E+22	1,760869E+22	1,760865E+22	1,528988E+22	1,154339E+22	7,514570E+21	4,283208E+21	2,573596E+21	2,573705E+21	4,283467E+21	7,514774E+21
-2464	1,154336E+22	1,528952E+22	1,760822E+22	1,760864E+22	1,529030E+22	1,154387E+22	7,514965E+21	4,283413E+21	2,573573E+21	2,573467E+21	4,283105E+21	7,514549E+21
-2463	1,154365E+22	1,529055E+22	1,760931E+22	1,760906E+22	1,529017E+22	1,154355E+22	7,514638E+21	4,283192E+21	2,573489E+21	2,573522E+21	4,283355E+21	7,515006E+21
-2462	1,154394E+22	1,529037E+22	1,760889E+22	1,760855E+22	1,528978E+22	1,154338E+22	7,514604E+21	4,283183E+21	2,573498E+21	2,573537E+21	4,283222E+21	7,514515E+21
-2461	1,154313E+22	1,528962E+22	1,760878E+22	1,760904E+22	1,529026E+22	1,154371E+22	7,514930E+21	4,283497E+21	2,573692E+21	2,573594E+21	4,283215E+21	7,514660E+21

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2460	1,154374E+22	1,529039E+22	1,760913E+22	1,760907E+22	1,529012E+22	1,154339E+22	7,514526E+21	4,283255E+21	2,573718E+21	2,573858E+21	4,283674E+21	7,515026E+21
-2459	1,154358E+22	1,528974E+22	1,760811E+22	1,760808E+22	1,528975E+22	1,154357E+22	7,514886E+21	4,283539E+21	2,573890E+21	2,573909E+21	4,283538E+21	7,514689E+21
-2458	1,154308E+22	1,528940E+22	1,760828E+22	1,760834E+22	1,528982E+22	1,154364E+22	7,515105E+21	4,283858E+21	2,574183E+21	2,574143E+21	4,283747E+21	7,515083E+21
-2457	1,154378E+22	1,528983E+22	1,760811E+22	1,760787E+22	1,528926E+22	1,154317E+22	7,514817E+21	4,283797E+21	2,574333E+21	2,574453E+21	4,284088E+21	7,515063E+21
-2456	1,154319E+22	1,528889E+22	1,760710E+22	1,760731E+22	1,528927E+22	1,154349E+22	7,515282E+21	4,284250E+21	2,574640E+21	2,574556E+21	4,283960E+21	7,514783E+21
-2455	1,154302E+22	1,528919E+22	1,760768E+22	1,760759E+22	1,528918E+22	1,154328E+22	7,515142E+21	4,284280E+21	2,574803E+21	2,574820E+21	4,284397E+21	7,515448E+21
-2454	1,154354E+22	1,528909E+22	1,760708E+22	1,760684E+22	1,528860E+22	1,154296E+22	7,514985E+21	4,284224E+21	2,574861E+21	2,574968E+21	4,284488E+21	7,515196E+21
-2453	1,154287E+22	1,528822E+22	1,760657E+22	1,760697E+22	1,528902E+22	1,154343E+22	7,515442E+21	4,284548E+21	2,574978E+21	2,574883E+21	4,284274E+21	7,515137E+21
-2452	1,154340E+22	1,528926E+22	1,760736E+22	1,760724E+22	1,528896E+22	1,154315E+22	7,515065E+21	4,284264E+21	2,574871E+21	2,574956E+21	4,284556E+21	7,515513E+21
-2451	1,154354E+22	1,528911E+22	1,760695E+22	1,760663E+22	1,528860E+22	1,154315E+22	7,515163E+21	4,284262E+21	2,574769E+21	2,574766E+21	4,284187E+21	7,514915E+21
-2450	1,154283E+22	1,528868E+22	1,760736E+22	1,760752E+22	1,528920E+22	1,154341E+22	7,515328E+21	4,284363E+21	2,574745E+21	2,574633E+21	4,284037E+21	7,515013E+21
-2449	1,154348E+22	1,528949E+22	1,760779E+22	1,760771E+22	1,528919E+22	1,154310E+22	7,514827E+21	4,283926E+21	2,574500E+21	2,574606E+21	4,284230E+21	7,515143E+21
-2448	1,154316E+22	1,528886E+22	1,760713E+22	1,760742E+22	1,528943E+22	1,154352E+22	7,515121E+21	4,283970E+21	2,574339E+21	2,574276E+21	4,283758E+21	7,514717E+21
-2447	1,154299E+22	1,528923E+22	1,760801E+22	1,760813E+22	1,528969E+22	1,154357E+22	7,515064E+21	4,283852E+21	2,574191E+21	2,574156E+21	4,283819E+21	7,515224E+21
-2446	1,154385E+22	1,528979E+22	1,760806E+22	1,760782E+22	1,528924E+22	1,154313E+22	7,514679E+21	4,283529E+21	2,573988E+21	2,574085E+21	4,283773E+21	7,514913E+21
-2445	1,154328E+22	1,528922E+22	1,760777E+22	1,760803E+22	1,528969E+22	1,154360E+22	7,515070E+21	4,283739E+21	2,573976E+21	2,573864E+21	4,283390E+21	7,514595E+21
-2444	1,154344E+22	1,529012E+22	1,760879E+22	1,760861E+22	1,528982E+22	1,154340E+22	7,514747E+21	4,283531E+21	2,573937E+21	2,573986E+21	4,283725E+21	7,515087E+21
-2443	1,154371E+22	1,528999E+22	1,760840E+22	1,760803E+22	1,528938E+22	1,154321E+22	7,514673E+21	4,283472E+21	2,573912E+21	2,573984E+21	4,283619E+21	7,514715E+21
-2442	1,154300E+22	1,528910E+22	1,760810E+22	1,760843E+22	1,528990E+22	1,154363E+22	7,515062E+21	4,283813E+21	2,574125E+21	2,574055E+21	4,283595E+21	7,514798E+21
-2441	1,154354E+22	1,528979E+22	1,760825E+22	1,760825E+22	1,528964E+22	1,154331E+22	7,514768E+21	4,283682E+21	2,574204E+21	2,574333E+21	4,284069E+21	7,515218E+21
-2440	1,154346E+22	1,528920E+22	1,760727E+22	1,760732E+22	1,528928E+22	1,154346E+22	7,515112E+21	4,283991E+21	2,574409E+21	2,574395E+21	4,283885E+21	7,514789E+21
-2439	1,154292E+22	1,528894E+22	1,760754E+22	1,760755E+22	1,528925E+22	1,154350E+22	7,515359E+21	4,284348E+21	2,574735E+21	2,574660E+21	4,284145E+21	7,515209E+21
-2438	1,154354E+22	1,528927E+22	1,760734E+22	1,760701E+22	1,528854E+22	1,154283E+22	7,514935E+21	4,284242E+21	2,574902E+21	2,575026E+21	4,284571E+21	7,515267E+21
-2437	1,154297E+22	1,528827E+22	1,760633E+22	1,760656E+22	1,528868E+22	1,154323E+22	7,515389E+21	4,284628E+21	2,575152E+21	2,575092E+21	4,284417E+21	7,514999E+21
-2436	1,154286E+22	1,528861E+22	1,760685E+22	1,760685E+22	1,528875E+22	1,154316E+22	7,515292E+21	4,284644E+21	2,575284E+21	2,575326E+21	4,284829E+21	7,515657E+21
-2435	1,154349E+22	1,528878E+22	1,760647E+22	1,760611E+22	1,528808E+22	1,154278E+22	7,515106E+21	4,284540E+21	2,575265E+21	2,575378E+21	4,284825E+21	7,515386E+21
-2434	1,154288E+22	1,528796E+22	1,760606E+22	1,760638E+22	1,528858E+22	1,154328E+22	7,515565E+21	4,284867E+21	2,575380E+21	2,575270E+21	4,284529E+21	7,515134E+21
-2433	1,154315E+22	1,528884E+22	1,760680E+22	1,760666E+22	1,528853E+22	1,154302E+22	7,515248E+21	4,284641E+21	2,575296E+21	2,575352E+21	4,284839E+21	7,515547E+21
-2432	1,154324E+22	1,528855E+22	1,760638E+22	1,760628E+22	1,528839E+22	1,154305E+22	7,515287E+21	4,284589E+21	2,575174E+21	2,575159E+21	4,284475E+21	7,514967E+21
-2431	1,154258E+22	1,528814E+22	1,760667E+22	1,760699E+22	1,528894E+22	1,154339E+22	7,515495E+21	4,284676E+21	2,575121E+21	2,575010E+21	4,284379E+21	7,515185E+21
-2430	1,154330E+22	1,528893E+22	1,760699E+22	1,760694E+22	1,528867E+22	1,154292E+22	7,514934E+21	4,284210E+21	2,574866E+21	2,574990E+21	4,284592E+21	7,515389E+21
-2429	1,154313E+22	1,528846E+22	1,760645E+22	1,760671E+22	1,528889E+22	1,154334E+22	7,515239E+21	4,284243E+21	2,574679E+21	2,574623E+21	4,284047E+21	7,514877E+21
-2428	1,154300E+22	1,528898E+22	1,760742E+22	1,760745E+22	1,528922E+22	1,154341E+22	7,515193E+21	4,284165E+21	2,574573E+21	2,574532E+21	4,284102E+21	7,515300E+21
-2427	1,154379E+22	1,528969E+22	1,760774E+22	1,760728E+22	1,528870E+22	1,154286E+22	7,514733E+21	4,283809E+21	2,574359E+21	2,574458E+21	4,284064E+21	7,515020E+21
-2426	1,154316E+22	1,528891E+22	1,760737E+22	1,760765E+22	1,528934E+22	1,154337E+22	7,515095E+21	4,284016E+21	2,574381E+21	2,574284E+21	4,283709E+21	7,514636E+21
-2425	1,154312E+22	1,528952E+22	1,760810E+22	1,760807E+22	1,528951E+22	1,154331E+22	7,514895E+21	4,283879E+21	2,574376E+21	2,574436E+21	4,284115E+21	7,515268E+21



1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2424	1,154351E+22	1,528935E+22	1,760760E+22	1,760748E+22	1,528912E+22	1,154318E+22	7,514860E+21	4,283834E+21	2,574360E+21	2,574429E+21	4,283974E+21	7,514880E+21
-2423	1,154289E+22	1,528860E+22	1,760723E+22	1,760763E+22	1,528946E+22	1,154361E+22	7,515349E+21	4,284254E+21	2,574604E+21	2,574508E+21	4,283962E+21	7,514960E+21
-2422	1,154339E+22	1,528932E+22	1,760742E+22	1,760729E+22	1,528891E+22	1,154306E+22	7,514968E+21	4,284145E+21	2,574743E+21	2,574847E+21	4,284467E+21	7,515368E+21
-2421	1,154328E+22	1,528873E+22	1,760657E+22	1,760651E+22	1,528857E+22	1,154316E+22	7,515272E+21	4,284432E+21	2,574957E+21	2,574934E+21	4,284291E+21	7,514893E+21
-2420	1,154268E+22	1,528839E+22	1,760677E+22	1,760685E+22	1,528875E+22	1,154328E+22	7,515489E+21	4,284773E+21	2,575294E+21	2,575234E+21	4,284618E+21	7,515374E+21
-2419	1,154335E+22	1,528885E+22	1,760667E+22	1,760630E+22	1,528801E+22	1,154259E+22	7,515003E+21	4,284577E+21	2,575380E+21	2,575540E+21	4,285038E+21	7,515551E+21
-2418	1,154289E+22	1,528779E+22	1,760562E+22	1,760591E+22	1,528825E+22	1,154306E+22	7,515479E+21	4,284947E+21	2,575597E+21	2,575560E+21	4,284802E+21	7,515170E+21
-2417	1,154272E+22	1,528811E+22	1,760608E+22	1,760614E+22	1,528832E+22	1,154308E+22	7,515505E+21	4,285037E+21	2,575735E+21	2,575762E+21	4,285180E+21	7,515828E+21
-2416	1,154339E+22	1,528835E+22	1,760581E+22	1,760554E+22	1,528772E+22	1,154270E+22	7,515304E+21	4,284929E+21	2,575712E+21	2,575786E+21	4,285091E+21	7,515412E+21
-2415	1,154267E+22	1,528757E+22	1,760546E+22	1,760578E+22	1,528818E+22	1,154321E+22	7,515795E+21	4,285277E+21	2,575830E+21	2,575689E+21	4,284846E+21	7,515186E+21
-2414	1,154282E+22	1,528827E+22	1,760611E+22	1,760600E+22	1,528802E+22	1,154277E+22	7,515347E+21	4,284998E+21	2,575750E+21	2,575806E+21	4,285219E+21	7,515703E+21
-2413	1,154301E+22	1,528795E+22	1,760560E+22	1,760559E+22	1,528792E+22	1,154287E+22	7,515381E+21	4,284875E+21	2,575565E+21	2,575574E+21	4,284839E+21	7,515165E+21
-2412	1,154247E+22	1,528764E+22	1,760586E+22	1,760626E+22	1,528852E+22	1,154328E+22	7,515614E+21	4,284956E+21	2,575486E+21	2,575397E+21	4,284722E+21	7,515390E+21
-2411	1,154333E+22	1,528877E+22	1,760645E+22	1,760622E+22	1,528811E+22	1,154269E+22	7,514992E+21	4,284446E+21	2,575176E+21	2,575306E+21	4,284863E+21	7,515579E+21
-2410	1,154319E+22	1,528836E+22	1,760609E+22	1,760618E+22	1,528842E+22	1,154310E+22	7,515267E+21	4,284487E+21	2,575013E+21	2,574946E+21	4,284255E+21	7,514879E+21
-2409	1,154280E+22	1,528869E+22	1,760704E+22	1,760702E+22	1,528884E+22	1,154324E+22	7,515302E+21	4,284482E+21	2,574959E+21	2,574901E+21	4,284371E+21	7,515346E+21
-2408	1,154353E+22	1,528921E+22	1,760728E+22	1,760704E+22	1,528855E+22	1,154278E+22	7,514839E+21	4,284121E+21	2,574761E+21	2,574849E+21	4,284347E+21	7,515072E+21
-2407	1,154291E+22	1,528841E+22	1,760672E+22	1,760717E+22	1,528914E+22	1,154341E+22	7,515315E+21	4,284377E+21	2,574801E+21	2,574705E+21	4,284079E+21	7,514800E+21
-2406	1,154286E+22	1,528889E+22	1,760724E+22	1,760729E+22	1,528902E+22	1,154319E+22	7,515096E+21	4,284275E+21	2,574846E+21	2,574902E+21	4,284509E+21	7,515482E+21
-2405	1,154338E+22	1,528881E+22	1,760673E+22	1,760661E+22	1,528855E+22	1,154305E+22	7,515087E+21	4,284251E+21	2,574848E+21	2,574910E+21	4,284354E+21	7,515044E+21
-2404	1,154279E+22	1,528818E+22	1,760641E+22	1,760672E+22	1,528885E+22	1,154344E+22	7,515563E+21	4,284713E+21	2,575150E+21	2,575042E+21	4,284371E+21	7,515085E+21
-2403	1,154322E+22	1,528899E+22	1,760681E+22	1,760648E+22	1,528820E+22	1,154272E+22	7,515059E+21	4,284544E+21	2,575269E+21	2,575383E+21	4,284911E+21	7,515575E+21
-2402	1,154313E+22	1,528826E+22	1,760593E+22	1,760587E+22	1,528805E+22	1,154284E+22	7,515283E+21	4,284789E+21	2,575482E+21	2,575484E+21	4,284740E+21	7,515058E+21
-2401	1,154242E+22	1,528775E+22	1,760592E+22	1,760610E+22	1,528829E+22	1,154310E+22	7,515606E+21	4,285150E+21	2,575798E+21	2,575758E+21	4,285079E+21	7,515637E+21
-2400	1,154321E+22	1,528824E+22	1,760585E+22	1,760568E+22	1,528767E+22	1,154250E+22	7,515177E+21	4,284952E+21	2,575848E+21	2,576001E+21	4,285398E+21	7,515734E+21
-2399	1,154284E+22	1,528742E+22	1,760488E+22	1,760518E+22	1,528783E+22	1,154303E+22	7,515742E+21	4,285369E+21	2,576055E+21	2,575991E+21	4,285140E+21	7,515293E+21
-2398	1,154252E+22	1,528766E+22	1,760537E+22	1,760532E+22	1,528771E+22	1,154288E+22	7,515702E+21	4,285467E+21	2,576227E+21	2,576217E+21	4,285503E+21	7,515903E+21
-2397	1,154315E+22	1,528787E+22	1,760519E+22	1,760489E+22	1,528722E+22	1,154252E+22	7,515468E+21	4,285308E+21	2,576180E+21	2,576245E+21	4,285425E+21	7,515468E+21
-2396	1,154240E+22	1,528703E+22	1,760474E+22	1,760515E+22	1,528781E+22	1,154308E+22	7,515924E+21	4,285623E+21	2,576279E+21	2,576152E+21	4,285225E+21	7,515313E+21
-2395	1,154262E+22	1,528785E+22	1,760545E+22	1,760531E+22	1,528755E+22	1,154258E+22	7,515398E+21	4,285247E+21	2,576108E+21	2,576195E+21	4,285582E+21	7,515956E+21
-2394	1,154298E+22	1,528757E+22	1,760499E+22	1,760499E+22	1,528749E+22	1,154267E+22	7,515407E+21	4,285106E+21	2,575896E+21	2,575917E+21	4,285119E+21	7,515313E+21
-2393	1,154241E+22	1,528730E+22	1,760525E+22	1,760562E+22	1,528810E+22	1,154314E+22	7,515739E+21	4,285247E+21	2,575825E+21	2,575723E+21	4,284983E+21	7,515531E+21
-2392	1,154328E+22	1,528850E+22	1,760605E+22	1,760581E+22	1,528778E+22	1,154256E+22	7,515122E+21	4,284753E+21	2,575534E+21	2,575630E+21	4,285066E+21	7,515593E+21
-2391	1,154304E+22	1,528811E+22	1,760574E+22	1,760579E+22	1,528811E+22	1,154300E+22	7,515431E+21	4,284825E+21	2,575399E+21	2,575319E+21	4,284547E+21	7,514928E+21
-2390	1,154248E+22	1,528815E+22	1,760645E+22	1,760650E+22	1,528847E+22	1,154306E+22	7,515399E+21	4,284816E+21	2,575395E+21	2,575340E+21	4,284729E+21	7,515490E+21
-2389	1,154330E+22	1,528861E+22	1,760652E+22	1,760638E+22	1,528820E+22	1,154271E+22	7,514986E+21	4,284439E+21	2,575187E+21	2,575297E+21	4,284720E+21	7,515249E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2388	1,154276E+22	1,528787E+22	1,760585E+22	1,760636E+22	1,528873E+22	1,154336E+22	7,515520E+21	4,284754E+21	2,575261E+21	2,575174E+21	4,284469E+21	7,514997E+21
-2387	1,154280E+22	1,528855E+22	1,760652E+22	1,760641E+22	1,528840E+22	1,154297E+22	7,515234E+21	4,284637E+21	2,575293E+21	2,575349E+21	4,284874E+21	7,515685E+21
-2386	1,154334E+22	1,528848E+22	1,760611E+22	1,760585E+22	1,528794E+22	1,154275E+22	7,515162E+21	4,284625E+21	2,575336E+21	2,575386E+21	4,284697E+21	7,515120E+21
-2385	1,154254E+22	1,528769E+22	1,760576E+22	1,760604E+22	1,528831E+22	1,154319E+22	7,515685E+21	4,285120E+21	2,575667E+21	2,575561E+21	4,284791E+21	7,515252E+21
-2384	1,154299E+22	1,528839E+22	1,760613E+22	1,760595E+22	1,528783E+22	1,154254E+22	7,515167E+21	4,284918E+21	2,575770E+21	2,575890E+21	4,285313E+21	7,515736E+21
-2383	1,154294E+22	1,528773E+22	1,760517E+22	1,760519E+22	1,528767E+22	1,154278E+22	7,515481E+21	4,285179E+21	2,575963E+21	2,575983E+21	4,285184E+21	7,515284E+21
-2382	1,154223E+22	1,528714E+22	1,760505E+22	1,760527E+22	1,528775E+22	1,154294E+22	7,515789E+21	4,285565E+21	2,576304E+21	2,576258E+21	4,285486E+21	7,515857E+21
-2381	1,154313E+22	1,528776E+22	1,760501E+22	1,760481E+22	1,528715E+22	1,154241E+22	7,515411E+21	4,285380E+21	2,576352E+21	2,576485E+21	4,285748E+21	7,515842E+21
-2380	1,154269E+22	1,528702E+22	1,760417E+22	1,760437E+22	1,528730E+22	1,154291E+22	7,515983E+21	4,285829E+21	2,576586E+21	2,576498E+21	4,285503E+21	7,515362E+21
-2379	1,154228E+22	1,528725E+22	1,760480E+22	1,760464E+22	1,528711E+22	1,154259E+22	7,515804E+21	4,285843E+21	2,576707E+21	2,576699E+21	4,285885E+21	7,516037E+21
-2378	1,154292E+22	1,528734E+22	1,760454E+22	1,760431E+22	1,528679E+22	1,154226E+22	7,515485E+21	4,285616E+21	2,576623E+21	2,576703E+21	4,285797E+21	7,515598E+21
-2377	1,154215E+22	1,528643E+22	1,760395E+22	1,760444E+22	1,528740E+22	1,154294E+22	7,516026E+21	4,285918E+21	2,576672E+21	2,576567E+21	4,285602E+21	7,515553E+21
-2376	1,154254E+22	1,528734E+22	1,760477E+22	1,760473E+22	1,528720E+22	1,154248E+22	7,515523E+21	4,285527E+21	2,576454E+21	2,576532E+21	4,285840E+21	7,516100E+21
-2375	1,154300E+22	1,528735E+22	1,760448E+22	1,760439E+22	1,528711E+22	1,154259E+22	7,515582E+21	4,285417E+21	2,576236E+21	2,576242E+21	4,285377E+21	7,515403E+21
-2374	1,154227E+22	1,528699E+22	1,760480E+22	1,760503E+22	1,528760E+22	1,154292E+22	7,515842E+21	4,285570E+21	2,576218E+21	2,576090E+21	4,285237E+21	7,515588E+21
-2373	1,154310E+22	1,528811E+22	1,760559E+22	1,760535E+22	1,528745E+22	1,154245E+22	7,515240E+21	4,285060E+21	2,575932E+21	2,576029E+21	4,285356E+21	7,515636E+21
-2372	1,154281E+22	1,528765E+22	1,760516E+22	1,760530E+22	1,528787E+22	1,154296E+22	7,515569E+21	4,285140E+21	2,575812E+21	2,575752E+21	4,284907E+21	7,515061E+21
-2371	1,154228E+22	1,528768E+22	1,760581E+22	1,760586E+22	1,528806E+22	1,154294E+22	7,515502E+21	4,285089E+21	2,575768E+21	2,575743E+21	4,285091E+21	7,515714E+21
-2370	1,154323E+22	1,528818E+22	1,760584E+22	1,760572E+22	1,528778E+22	1,154255E+22	7,515078E+21	4,284741E+21	2,575583E+21	2,575697E+21	4,285041E+21	7,515399E+21
-2369	1,154267E+22	1,528745E+22	1,760509E+22	1,760551E+22	1,528819E+22	1,154321E+22	7,515698E+21	4,285130E+21	2,575702E+21	2,575604E+21	4,284809E+21	7,515151E+21
-2368	1,154268E+22	1,528811E+22	1,760592E+22	1,760577E+22	1,528789E+22	1,154278E+22	7,515399E+21	4,285037E+21	2,575770E+21	2,575797E+21	4,285184E+21	7,515757E+21
-2367	1,154316E+22	1,528808E+22	1,760556E+22	1,760525E+22	1,528745E+22	1,154254E+22	7,515317E+21	4,285037E+21	2,575839E+21	2,575896E+21	4,285127E+21	7,515263E+21
-2366	1,154223E+22	1,528702E+22	1,760496E+22	1,760528E+22	1,528775E+22	1,154292E+22	7,515769E+21	4,285514E+21	2,576201E+21	2,576109E+21	4,285255E+21	7,515487E+21
-2365	1,154282E+22	1,528776E+22	1,760524E+22	1,760511E+22	1,528736E+22	1,154244E+22	7,515334E+21	4,285300E+21	2,576280E+21	2,576422E+21	4,285756E+21	7,515957E+21
-2364	1,154285E+22	1,528724E+22	1,760432E+22	1,760431E+22	1,528716E+22	1,154269E+22	7,515711E+21	4,285611E+21	2,576484E+21	2,576504E+21	4,285593E+21	7,515467E+21
-2363	1,154216E+22	1,528680E+22	1,760435E+22	1,760440E+22	1,528712E+22	1,154273E+22	7,515957E+21	4,285969E+21	2,576798E+21	2,576739E+21	4,285844E+21	7,515989E+21
-2362	1,154301E+22	1,528739E+22	1,760445E+22	1,760414E+22	1,528660E+22	1,154215E+22	7,515518E+21	4,285783E+21	2,576859E+21	2,576966E+21	4,286077E+21	7,515864E+21
-2361	1,154237E+22	1,528645E+22	1,760350E+22	1,760373E+22	1,528686E+22	1,154274E+22	7,516130E+21	4,286227E+21	2,577081E+21	2,576992E+21	4,285901E+21	7,515498E+21
-2360	1,154199E+22	1,528657E+22	1,760411E+22	1,760413E+22	1,528680E+22	1,154248E+22	7,515933E+21	4,286182E+21	2,577145E+21	2,577141E+21	4,286241E+21	7,516181E+21
-2359	1,154275E+22	1,528681E+22	1,760383E+22	1,760367E+22	1,528643E+22	1,154221E+22	7,515662E+21	4,285938E+21	2,577008E+21	2,577113E+21	4,286186E+21	7,515814E+21
-2358	1,154202E+22	1,528590E+22	1,760318E+22	1,760367E+22	1,528687E+22	1,154276E+22	7,516149E+21	4,286237E+21	2,577064E+21	2,576956E+21	4,285930E+21	7,515763E+21
-2357	1,154256E+22	1,528703E+22	1,760412E+22	1,760396E+22	1,528672E+22	1,154239E+22	7,515681E+21	4,285844E+21	2,576840E+21	2,576907E+21	4,286110E+21	7,516180E+21
-2356	1,154292E+22	1,528712E+22	1,760405E+22	1,760380E+22	1,528666E+22	1,154246E+22	7,515736E+21	4,285761E+21	2,576650E+21	2,576643E+21	4,285665E+21	7,515462E+21
-2355	1,154213E+22	1,528672E+22	1,760441E+22	1,760456E+22	1,528716E+22	1,154267E+22	7,515878E+21	4,285842E+21	2,576598E+21	2,576485E+21	4,285558E+21	7,515706E+21
-2354	1,154293E+22	1,528766E+22	1,760505E+22	1,760490E+22	1,528715E+22	1,154225E+22	7,515250E+21	4,285310E+21	2,576302E+21	2,576410E+21	4,285662E+21	7,515736E+21
-2353	1,154259E+22	1,528710E+22	1,760445E+22	1,760466E+22	1,528753E+22	1,154290E+22	7,515711E+21	4,285428E+21	2,576177E+21	2,576136E+21	4,285253E+21	7,515273E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2352	1,154219E+22	1,528715E+22	1,760513E+22	1,760525E+22	1,528768E+22	1,154286E+22	7,515679E+21	4,285411E+21	2,576139E+21	2,576099E+21	4,285351E+21	7,515804E+21
-2351	1,154316E+22	1,528786E+22	1,760525E+22	1,760501E+22	1,528730E+22	1,154245E+22	7,515293E+21	4,285116E+21	2,575996E+21	2,576098E+21	4,285359E+21	7,515480E+21
-2350	1,154245E+22	1,528699E+22	1,760447E+22	1,760477E+22	1,528756E+22	1,154293E+22	7,515819E+21	4,285530E+21	2,576197E+21	2,576083E+21	4,285166E+21	7,515260E+21
-2349	1,154249E+22	1,528759E+22	1,760521E+22	1,760504E+22	1,528740E+22	1,154261E+22	7,515528E+21	4,285426E+21	2,576286E+21	2,576321E+21	4,285590E+21	7,515869E+21
-2348	1,154294E+22	1,528754E+22	1,760481E+22	1,760454E+22	1,528702E+22	1,154242E+22	7,515472E+21	4,285438E+21	2,576366E+21	2,576445E+21	4,285587E+21	7,515478E+21
-2347	1,154210E+22	1,528652E+22	1,760420E+22	1,760450E+22	1,528721E+22	1,154271E+22	7,515882E+21	4,285868E+21	2,576682E+21	2,576619E+21	4,285698E+21	7,515745E+21
-2346	1,154277E+22	1,528728E+22	1,760448E+22	1,760436E+22	1,528686E+22	1,154225E+22	7,515467E+21	4,285693E+21	2,576773E+21	2,576905E+21	4,286127E+21	7,516094E+21
-2345	1,154270E+22	1,528678E+22	1,760358E+22	1,760349E+22	1,528664E+22	1,154258E+22	7,515942E+21	4,286057E+21	2,577004E+21	2,577008E+21	4,285983E+21	7,515604E+21
-2344	1,154195E+22	1,528626E+22	1,760374E+22	1,760379E+22	1,528664E+22	1,154258E+22	7,516168E+21	4,286414E+21	2,577319E+21	2,577234E+21	4,286189E+21	7,516023E+21
-2343	1,154273E+22	1,528686E+22	1,760382E+22	1,760354E+22	1,528618E+22	1,154202E+22	7,515705E+21	4,286202E+21	2,577365E+21	2,577486E+21	4,286522E+21	7,516004E+21
-2342	1,154204E+22	1,528570E+22	1,760261E+22	1,760293E+22	1,528633E+22	1,154252E+22	7,516234E+21	4,286599E+21	2,577577E+21	2,577503E+21	4,286346E+21	7,515747E+21
-2341	1,154188E+22	1,528594E+22	1,760315E+22	1,760324E+22	1,528633E+22	1,154241E+22	7,516093E+21	4,286518E+21	2,577583E+21	2,577595E+21	4,286626E+21	7,516395E+21
-2340	1,154274E+22	1,528643E+22	1,760309E+22	1,760286E+22	1,528592E+22	1,154208E+22	7,515840E+21	4,286291E+21	2,577425E+21	2,577523E+21	4,286516E+21	7,515995E+21
-2339	1,154206E+22	1,528570E+22	1,760267E+22	1,760296E+22	1,528627E+22	1,154249E+22	7,516219E+21	4,286522E+21	2,577430E+21	2,577316E+21	4,286203E+21	7,515873E+21
-2338	1,154251E+22	1,528683E+22	1,760379E+22	1,760353E+22	1,528629E+22	1,154212E+22	7,515715E+21	4,286124E+21	2,577209E+21	2,577257E+21	4,286348E+21	7,516179E+21
-2337	1,154268E+22	1,528674E+22	1,760363E+22	1,760340E+22	1,528638E+22	1,154234E+22	7,515823E+21	4,286033E+21	2,577008E+21	2,577012E+21	4,285965E+21	7,515548E+21
-2336	1,154187E+22	1,528617E+22	1,760391E+22	1,760422E+22	1,528697E+22	1,154264E+22	7,516000E+21	4,286101E+21	2,576930E+21	2,576820E+21	4,285818E+21	7,515768E+21
-2335	1,154274E+22	1,528721E+22	1,760447E+22	1,760441E+22	1,528690E+22	1,154226E+22	7,515442E+21	4,285601E+21	2,576636E+21	2,576761E+21	4,285979E+21	7,515872E+21
-2334	1,154241E+22	1,528654E+22	1,760366E+22	1,760390E+22	1,528703E+22	1,154276E+22	7,515877E+21	4,285776E+21	2,576581E+21	2,576524E+21	4,285564E+21	7,515435E+21
-2333	1,154215E+22	1,528674E+22	1,760435E+22	1,760440E+22	1,528716E+22	1,154278E+22	7,515882E+21	4,285795E+21	2,576591E+21	2,576534E+21	4,285669E+21	7,515872E+21
-2332	1,154300E+22	1,528749E+22	1,760467E+22	1,760430E+22	1,528672E+22	1,154225E+22	7,515471E+21	4,285540E+21	2,576505E+21	2,576599E+21	4,285746E+21	7,515603E+21
-2331	1,154228E+22	1,528654E+22	1,760387E+22	1,760411E+22	1,528696E+22	1,154259E+22	7,515844E+21	4,285867E+21	2,576685E+21	2,576603E+21	4,285613E+21	7,515471E+21
-2330	1,154235E+22	1,528708E+22	1,760451E+22	1,760440E+22	1,528693E+22	1,154233E+22	7,515552E+21	4,285753E+21	2,576764E+21	2,576823E+21	4,286017E+21	7,516064E+21
-2329	1,154277E+22	1,528697E+22	1,760400E+22	1,760377E+22	1,528657E+22	1,154231E+22	7,515629E+21	4,285801E+21	2,576839E+21	2,576939E+21	4,286023E+21	7,515729E+21
-2328	1,154202E+22	1,528601E+22	1,760349E+22	1,760382E+22	1,528676E+22	1,154262E+22	7,516099E+21	4,286273E+21	2,577156E+21	2,577073E+21	4,286030E+21	7,515842E+21
-2327	1,154264E+22	1,528691E+22	1,760386E+22	1,760366E+22	1,528638E+22	1,154216E+22	7,515729E+21	4,286145E+21	2,577278E+21	2,577395E+21	4,286500E+21	7,516160E+21
-2326	1,154239E+22	1,528617E+22	1,760285E+22	1,760275E+22	1,528605E+22	1,154236E+22	7,516135E+21	4,286527E+21	2,577566E+21	2,577551E+21	4,286397E+21	7,515732E+21
-2325	1,154171E+22	1,528560E+22	1,760285E+22	1,760300E+22	1,528620E+22	1,154249E+22	7,516355E+21	4,286840E+21	2,577862E+21	2,577785E+21	4,286631E+21	7,516151E+21
-2324	1,154245E+22	1,528622E+22	1,760296E+22	1,760274E+22	1,528571E+22	1,154191E+22	7,515897E+21	4,286609E+21	2,577875E+21	2,578011E+21	4,286975E+21	7,516257E+21
-2323	1,154197E+22	1,528521E+22	1,760181E+22	1,760210E+22	1,528571E+22	1,154227E+22	7,516316E+21	4,286913E+21	2,578003E+21	2,577955E+21	4,286752E+21	7,516023E+21
-2322	1,154193E+22	1,528561E+22	1,760245E+22	1,760247E+22	1,528575E+22	1,154213E+22	7,516164E+21	4,286835E+21	2,577980E+21	2,577975E+21	4,286914E+21	7,516507E+21
-2321	1,154267E+22	1,528617E+22	1,760256E+22	1,760221E+22	1,528543E+22	1,154193E+22	7,515983E+21	4,286623E+21	2,577819E+21	2,577900E+21	4,286800E+21	7,516086E+21
-2320	1,154191E+22	1,528540E+22	1,760238E+22	1,760263E+22	1,528590E+22	1,154232E+22	7,516331E+21	4,286832E+21	2,577804E+21	2,577669E+21	4,286437E+21	7,515854E+21
-2319	1,154225E+22	1,528643E+22	1,760340E+22	1,760322E+22	1,528606E+22	1,154204E+22	7,515842E+21	4,286418E+21	2,577573E+21	2,577636E+21	4,286667E+21	7,516236E+21
-2318	1,154234E+22	1,528609E+22	1,760292E+22	1,760287E+22	1,528605E+22	1,154224E+22	7,515935E+21	4,286325E+21	2,577391E+21	2,577403E+21	4,286300E+21	7,515727E+21
-2317	1,154176E+22	1,528560E+22	1,760302E+22	1,760345E+22	1,528662E+22	1,154266E+22	7,516188E+21	4,286413E+21	2,577311E+21	2,577207E+21	4,286127E+21	7,515884E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2316	1,154263E+22	1,528680E+22	1,760375E+22	1,760365E+22	1,528642E+22	1,154218E+22	7,515657E+21	4,285974E+21	2,577054E+21	2,577157E+21	4,286281E+21	7,516010E+21
-2315	1,154238E+22	1,528625E+22	1,760308E+22	1,760315E+22	1,528637E+22	1,154245E+22	7,515953E+21	4,286103E+21	2,577003E+21	2,576944E+21	4,285892E+21	7,515568E+21
-2314	1,154205E+22	1,528642E+22	1,760384E+22	1,760381E+22	1,528659E+22	1,154242E+22	7,515918E+21	4,286132E+21	2,577036E+21	2,576974E+21	4,286007E+21	7,515952E+21
-2313	1,154277E+22	1,528702E+22	1,760407E+22	1,760374E+22	1,528632E+22	1,154207E+22	7,515559E+21	4,285868E+21	2,576954E+21	2,577076E+21	4,286173E+21	7,515808E+21
-2312	1,154208E+22	1,528601E+22	1,760328E+22	1,760361E+22	1,528661E+22	1,154248E+22	7,515963E+21	4,286180E+21	2,577106E+21	2,577044E+21	4,285987E+21	7,515641E+21
-2311	1,154222E+22	1,528663E+22	1,760385E+22	1,760380E+22	1,528658E+22	1,154229E+22	7,515762E+21	4,286113E+21	2,577199E+21	2,577279E+21	4,286416E+21	7,516243E+21
-2310	1,154261E+22	1,528641E+22	1,760316E+22	1,760296E+22	1,528604E+22	1,154218E+22	7,515849E+21	4,286240E+21	2,577352E+21	2,577431E+21	4,286402E+21	7,515895E+21
-2309	1,154192E+22	1,528554E+22	1,760262E+22	1,760291E+22	1,528624E+22	1,154257E+22	7,516376E+21	4,286764E+21	2,577722E+21	2,577610E+21	4,286412E+21	7,515892E+21
-2308	1,154236E+22	1,528640E+22	1,760316E+22	1,760292E+22	1,528582E+22	1,154199E+22	7,515980E+21	4,286664E+21	2,577880E+21	2,577972E+21	4,286939E+21	7,516303E+21
-2307	1,154215E+22	1,528553E+22	1,760201E+22	1,760195E+22	1,528541E+22	1,154203E+22	7,516216E+21	4,286932E+21	2,578113E+21	2,578120E+21	4,286887E+21	7,515975E+21
-2306	1,154155E+22	1,528499E+22	1,760195E+22	1,760218E+22	1,528561E+22	1,154220E+22	7,516424E+21	4,287199E+21	2,578346E+21	2,578286E+21	4,287068E+21	7,516377E+21
-2305	1,154233E+22	1,528570E+22	1,760210E+22	1,760188E+22	1,528515E+22	1,154175E+22	7,516038E+21	4,286950E+21	2,578310E+21	2,578459E+21	4,287372E+21	7,516500E+21
-2304	1,154193E+22	1,528486E+22	1,760123E+22	1,760143E+22	1,528520E+22	1,154209E+22	7,516445E+21	4,287235E+21	2,578391E+21	2,578322E+21	4,287011E+21	7,516097E+21
-2303	1,154186E+22	1,528543E+22	1,760209E+22	1,760200E+22	1,528535E+22	1,154199E+22	7,516309E+21	4,287163E+21	2,578369E+21	2,578355E+21	4,287190E+21	7,516525E+21
-2302	1,154239E+22	1,528570E+22	1,760206E+22	1,760176E+22	1,528504E+22	1,154174E+22	7,516091E+21	4,286963E+21	2,578243E+21	2,578305E+21	4,287093E+21	7,516151E+21
-2301	1,154168E+22	1,528488E+22	1,760169E+22	1,760211E+22	1,528571E+22	1,154233E+22	7,516482E+21	4,287150E+21	2,578211E+21	2,578080E+21	4,286756E+21	7,515909E+21
-2300	1,154195E+22	1,528589E+22	1,760273E+22	1,760267E+22	1,528579E+22	1,154204E+22	7,516041E+21	4,286753E+21	2,577969E+21	2,578030E+21	4,286995E+21	7,516412E+21
-2299	1,154223E+22	1,528558E+22	1,760217E+22	1,760216E+22	1,528557E+22	1,154206E+22	7,516036E+21	4,286604E+21	2,577750E+21	2,577779E+21	4,286635E+21	7,515947E+21
-2298	1,154178E+22	1,528527E+22	1,760230E+22	1,760269E+22	1,528608E+22	1,154242E+22	7,516285E+21	4,286720E+21	2,577682E+21	2,577566E+21	4,286410E+21	7,515993E+21
-2297	1,154252E+22	1,528650E+22	1,760317E+22	1,760294E+22	1,528589E+22	1,154199E+22	7,515790E+21	4,286307E+21	2,577461E+21	2,577561E+21	4,286610E+21	7,516144E+21
-2296	1,154222E+22	1,528593E+22	1,760270E+22	1,760270E+22	1,528591E+22	1,154219E+22	7,516018E+21	4,286416E+21	2,577413E+21	2,577355E+21	4,286212E+21	7,515659E+21
-2295	1,154187E+22	1,528604E+22	1,760335E+22	1,760338E+22	1,528626E+22	1,154225E+22	7,515992E+21	4,286434E+21	2,577455E+21	2,577427E+21	4,286407E+21	7,516108E+21
-2294	1,154251E+22	1,528639E+22	1,760327E+22	1,760309E+22	1,528591E+22	1,154193E+22	7,515686E+21	4,286214E+21	2,577409E+21	2,577543E+21	4,286576E+21	7,516057E+21
-2293	1,154203E+22	1,528550E+22	1,760235E+22	1,760279E+22	1,528622E+22	1,154247E+22	7,516195E+21	4,286581E+21	2,577586E+21	2,577519E+21	4,286356E+21	7,515770E+21
-2292	1,154206E+22	1,528619E+22	1,760309E+22	1,760300E+22	1,528607E+22	1,154223E+22	7,516058E+21	4,286602E+21	2,577734E+21	2,577771E+21	4,286766E+21	7,516367E+21
-2291	1,154247E+22	1,528598E+22	1,760246E+22	1,760216E+22	1,528538E+22	1,154190E+22	7,516011E+21	4,286692E+21	2,577906E+21	2,577971E+21	4,286809E+21	7,516025E+21
-2290	1,154173E+22	1,528505E+22	1,760186E+22	1,760216E+22	1,528562E+22	1,154225E+22	7,516495E+21	4,287209E+21	2,578277E+21	2,578156E+21	4,286831E+21	7,515986E+21
-2289	1,154201E+22	1,528573E+22	1,760231E+22	1,760217E+22	1,528534E+22	1,154182E+22	7,516124E+21	4,287071E+21	2,578412E+21	2,578523E+21	4,287419E+21	7,516533E+21
-2288	1,154192E+22	1,528493E+22	1,760128E+22	1,760126E+22	1,528492E+22	1,154184E+22	7,516334E+21	4,287285E+21	2,578577E+21	2,578599E+21	4,287296E+21	7,516192E+21
-2287	1,154146E+22	1,528454E+22	1,760122E+22	1,760147E+22	1,528514E+22	1,154205E+22	7,516574E+21	4,287544E+21	2,578779E+21	2,578737E+21	4,287455E+21	7,516560E+21
-2286	1,154220E+22	1,528522E+22	1,760133E+22	1,760109E+22	1,528462E+22	1,154157E+22	7,516207E+21	4,287338E+21	2,578771E+21	2,578898E+21	4,287706E+21	7,516658E+21
-2285	1,154187E+22	1,528454E+22	1,760056E+22	1,760072E+22	1,528477E+22	1,154201E+22	7,516639E+21	4,287628E+21	2,578860E+21	2,578769E+21	4,287318E+21	7,516115E+21
-2284	1,154158E+22	1,528502E+22	1,760161E+22	1,760151E+22	1,528498E+22	1,154187E+22	7,516494E+21	4,287563E+21	2,578842E+21	2,578803E+21	4,287521E+21	7,516630E+21
-2283	1,154217E+22	1,528516E+22	1,760140E+22	1,760121E+22	1,528466E+22	1,154152E+22	7,516134E+21	4,287253E+21	2,578657E+21	2,578742E+21	4,287469E+21	7,516342E+21
-2282	1,154155E+22	1,528438E+22	1,760091E+22	1,760144E+22	1,528528E+22	1,154214E+22	7,516560E+21	4,287423E+21	2,578570E+21	2,578453E+21	4,287081E+21	7,516076E+21
-2281	1,154181E+22	1,528542E+22	1,760198E+22	1,760195E+22	1,528537E+22	1,154195E+22	7,516193E+21	4,287040E+21	2,578313E+21	2,578381E+21	4,287300E+21	7,516592E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2280	1,154217E+22	1,528531E+22	1,760170E+22	1,760155E+22	1,528508E+22	1,154187E+22	7,516149E+21	4,286888E+21	2,578083E+21	2,578095E+21	4,286863E+21	7,516021E+21
-2279	1,154170E+22	1,528510E+22	1,760195E+22	1,760220E+22	1,528564E+22	1,154222E+22	7,516385E+21	4,287011E+21	2,578047E+21	2,577937E+21	4,286695E+21	7,516047E+21
-2278	1,154226E+22	1,528605E+22	1,760263E+22	1,760243E+22	1,528547E+22	1,154178E+22	7,515876E+21	4,286634E+21	2,577884E+21	2,577983E+21	4,286944E+21	7,516281E+21
-2277	1,154206E+22	1,528547E+22	1,760199E+22	1,760212E+22	1,528566E+22	1,154215E+22	7,516146E+21	4,286740E+21	2,577848E+21	2,577805E+21	4,286576E+21	7,515781E+21
-2276	1,154164E+22	1,528555E+22	1,760270E+22	1,760279E+22	1,528594E+22	1,154221E+22	7,516198E+21	4,286814E+21	2,577912E+21	2,577875E+21	4,286773E+21	7,516330E+21
-2275	1,154244E+22	1,528588E+22	1,760246E+22	1,760232E+22	1,528540E+22	1,154173E+22	7,515825E+21	4,286584E+21	2,577872E+21	2,578006E+21	4,286950E+21	7,516259E+21
-2274	1,154199E+22	1,528512E+22	1,760157E+22	1,760194E+22	1,528562E+22	1,154225E+22	7,516382E+21	4,287016E+21	2,578086E+21	2,577996E+21	4,286710E+21	7,515861E+21
-2273	1,154182E+22	1,528572E+22	1,760241E+22	1,760222E+22	1,528549E+22	1,154204E+22	7,516272E+21	4,287066E+21	2,578284E+21	2,578308E+21	4,287176E+21	7,516471E+21
-2272	1,154215E+22	1,528544E+22	1,760186E+22	1,760152E+22	1,528484E+22	1,154164E+22	7,516137E+21	4,287114E+21	2,578445E+21	2,578513E+21	4,287238E+21	7,516162E+21
-2271	1,154146E+22	1,528446E+22	1,760110E+22	1,760147E+22	1,528518E+22	1,154206E+22	7,516596E+21	4,287575E+21	2,578791E+21	2,578712E+21	4,287320E+21	7,516209E+21
-2270	1,154175E+22	1,528497E+22	1,760129E+22	1,760126E+22	1,528479E+22	1,154164E+22	7,516265E+21	4,287460E+21	2,578921E+21	2,579045E+21	4,287871E+21	7,516828E+21
-2269	1,154190E+22	1,528442E+22	1,760029E+22	1,760032E+22	1,528443E+22	1,154175E+22	7,516527E+21	4,287686E+21	2,579070E+21	2,579084E+21	4,287671E+21	7,516349E+21
-2268	1,154136E+22	1,528420E+22	1,760058E+22	1,760071E+22	1,528460E+22	1,154189E+22	7,516791E+21	4,287983E+21	2,579278E+21	2,579193E+21	4,287779E+21	7,516697E+21
-2267	1,154209E+22	1,528485E+22	1,760075E+22	1,760044E+22	1,528405E+22	1,154129E+22	7,516304E+21	4,287713E+21	2,579248E+21	2,579365E+21	4,288053E+21	7,516765E+21
-2266	1,154171E+22	1,528415E+22	1,760000E+22	1,760017E+22	1,528433E+22	1,154177E+22	7,516731E+21	4,287970E+21	2,579294E+21	2,579207E+21	4,287660E+21	7,516190E+21
-2265	1,154127E+22	1,528446E+22	1,760096E+22	1,760096E+22	1,528469E+22	1,154181E+22	7,516632E+21	4,287866E+21	2,579237E+21	2,579219E+21	4,287876E+21	7,516784E+21
-2264	1,154196E+22	1,528468E+22	1,760084E+22	1,760068E+22	1,528432E+22	1,154144E+22	7,516251E+21	4,287514E+21	2,578988E+21	2,579085E+21	4,287759E+21	7,516498E+21
-2263	1,154149E+22	1,528404E+22	1,760031E+22	1,760082E+22	1,528492E+22	1,154205E+22	7,516686E+21	4,287684E+21	2,578896E+21	2,578793E+21	4,287361E+21	7,516195E+21
-2262	1,154167E+22	1,528498E+22	1,760129E+22	1,760121E+22	1,528489E+22	1,154181E+22	7,516349E+21	4,287376E+21	2,578698E+21	2,578739E+21	4,287561E+21	7,516711E+21
-2261	1,154211E+22	1,528502E+22	1,760112E+22	1,760091E+22	1,528466E+22	1,154175E+22	7,516302E+21	4,287246E+21	2,578511E+21	2,578504E+21	4,287151E+21	7,516055E+21
-2260	1,154145E+22	1,528470E+22	1,760151E+22	1,760174E+22	1,528525E+22	1,154204E+22	7,516513E+21	4,287379E+21	2,578500E+21	2,578373E+21	4,287037E+21	7,516200E+21
-2259	1,154208E+22	1,528551E+22	1,760196E+22	1,760184E+22	1,528506E+22	1,154155E+22	7,515914E+21	4,286931E+21	2,578316E+21	2,578443E+21	4,287344E+21	7,516511E+21
-2258	1,154200E+22	1,528503E+22	1,760124E+22	1,760137E+22	1,528517E+22	1,154196E+22	7,516249E+21	4,287052E+21	2,578256E+21	2,578232E+21	4,286934E+21	7,515950E+21
-2257	1,154150E+22	1,528507E+22	1,760194E+22	1,760203E+22	1,528549E+22	1,154213E+22	7,516391E+21	4,287180E+21	2,578352E+21	2,578311E+21	4,287112E+21	7,516462E+21
-2256	1,154230E+22	1,528555E+22	1,760194E+22	1,760165E+22	1,528489E+22	1,154155E+22	7,515983E+21	4,286969E+21	2,578334E+21	2,578446E+21	4,287261E+21	7,516331E+21
-2255	1,154180E+22	1,528475E+22	1,760104E+22	1,760131E+22	1,528513E+22	1,154205E+22	7,516530E+21	4,287415E+21	2,578596E+21	2,578513E+21	4,287102E+21	7,515938E+21
-2254	1,154145E+22	1,528499E+22	1,760157E+22	1,760149E+22	1,528502E+22	1,154187E+22	7,516433E+21	4,287503E+21	2,578835E+21	2,578862E+21	4,287627E+21	7,516663E+21
-2253	1,154193E+22	1,528477E+22	1,760088E+22	1,760069E+22	1,528443E+22	1,154156E+22	7,516321E+21	4,287535E+21	2,578988E+21	2,579073E+21	4,287707E+21	7,516362E+21
-2252	1,154124E+22	1,528386E+22	1,760026E+22	1,760064E+22	1,528466E+22	1,154193E+22	7,516808E+21	4,288009E+21	2,579316E+21	2,579230E+21	4,287760E+21	7,516506E+21
-2251	1,154173E+22	1,528445E+22	1,760039E+22	1,760032E+22	1,528415E+22	1,154138E+22	7,516389E+21	4,287852E+21	2,579423E+21	2,579550E+21	4,288282E+21	7,517065E+21
-2250	1,154193E+22	1,528413E+22	1,759959E+22	1,759944E+22	1,528375E+22	1,154149E+22	7,516676E+21	4,288091E+21	2,579554E+21	2,579556E+21	4,288021E+21	7,516446E+21
-2249	1,154117E+22	1,528383E+22	1,760005E+22	1,760008E+22	1,528411E+22	1,154171E+22	7,516954E+21	4,288383E+21	2,579769E+21	2,579675E+21	4,288139E+21	7,516775E+21
-2248	1,154183E+22	1,528442E+22	1,760032E+22	1,759999E+22	1,528369E+22	1,154110E+22	7,516393E+21	4,288048E+21	2,579686E+21	2,579806E+21	4,288399E+21	7,516866E+21
-2247	1,154147E+22	1,528366E+22	1,759942E+22	1,759967E+22	1,528406E+22	1,154168E+22	7,516825E+21	4,288245E+21	2,579686E+21	2,579633E+21	4,288029E+21	7,516343E+21
-2246	1,154102E+22	1,528378E+22	1,760011E+22	1,760023E+22	1,528430E+22	1,154175E+22	7,516802E+21	4,288181E+21	2,579617E+21	2,579602E+21	4,288195E+21	7,516966E+21
-2245	1,154191E+22	1,528422E+22	1,760002E+22	1,759990E+22	1,528395E+22	1,154141E+22	7,516451E+21	4,287852E+21	2,579372E+21	2,579450E+21	4,288023E+21	7,516571E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2244	1,154137E+22	1,528376E+22	1,759982E+22	1,760018E+22	1,528443E+22	1,154191E+22	7,516867E+21	4,288052E+21	2,579304E+21	2,579157E+21	4,287619E+21	7,516310E+21
-2243	1,154158E+22	1,528461E+22	1,760075E+22	1,760059E+22	1,528434E+22	1,154151E+22	7,516392E+21	4,287687E+21	2,579112E+21	2,579151E+21	4,287873E+21	7,516817E+21
-2242	1,154199E+22	1,528466E+22	1,760060E+22	1,760037E+22	1,528421E+22	1,154149E+22	7,516346E+21	4,287532E+21	2,578900E+21	2,578914E+21	4,287493E+21	7,516171E+21
-2241	1,154123E+22	1,528422E+22	1,760095E+22	1,760122E+22	1,528494E+22	1,154194E+22	7,516603E+21	4,287651E+21	2,578882E+21	2,578787E+21	4,287401E+21	7,516374E+21
-2240	1,154193E+22	1,528508E+22	1,760143E+22	1,760129E+22	1,528470E+22	1,154144E+22	7,516021E+21	4,287204E+21	2,578674E+21	2,578815E+21	4,287656E+21	7,516674E+21
-2239	1,154195E+22	1,528469E+22	1,760066E+22	1,760075E+22	1,528480E+22	1,154188E+22	7,516392E+21	4,287359E+21	2,578654E+21	2,578646E+21	4,287260E+21	7,516063E+21
-2238	1,154131E+22	1,528455E+22	1,760118E+22	1,760122E+22	1,528497E+22	1,154202E+22	7,516615E+21	4,287604E+21	2,578840E+21	2,578776E+21	4,287446E+21	7,516550E+21
-2237	1,154211E+22	1,528505E+22	1,760119E+22	1,760092E+22	1,528444E+22	1,154144E+22	7,516204E+21	4,287433E+21	2,578888E+21	2,578982E+21	4,287654E+21	7,516398E+21
-2236	1,154148E+22	1,528415E+22	1,760033E+22	1,760062E+22	1,528464E+22	1,154187E+22	7,516711E+21	4,287883E+21	2,579172E+21	2,579076E+21	4,287569E+21	7,516180E+21
-2235	1,154125E+22	1,528424E+22	1,760057E+22	1,760057E+22	1,528441E+22	1,154160E+22	7,516526E+21	4,287898E+21	2,579381E+21	2,579436E+21	4,288129E+21	7,516965E+21
-2234	1,154190E+22	1,528423E+22	1,759994E+22	1,759970E+22	1,528373E+22	1,154131E+22	7,516466E+21	4,287929E+21	2,579486E+21	2,579592E+21	4,288154E+21	7,516602E+21
-2233	1,154118E+22	1,528342E+22	1,759948E+22	1,759976E+22	1,528404E+22	1,154174E+22	7,516982E+21	4,288412E+21	2,579812E+21	2,579723E+21	4,288148E+21	7,516663E+21
-2232	1,154163E+22	1,528418E+22	1,759993E+22	1,759965E+22	1,528358E+22	1,154115E+22	7,516527E+21	4,288241E+21	2,579901E+21	2,580010E+21	4,288609E+21	7,517141E+21
-2231	1,154177E+22	1,528382E+22	1,759918E+22	1,759896E+22	1,528335E+22	1,154130E+22	7,516783E+21	4,288447E+21	2,580033E+21	2,580044E+21	4,288381E+21	7,516490E+21
-2230	1,154082E+22	1,528315E+22	1,759933E+22	1,759952E+22	1,528379E+22	1,154164E+22	7,517124E+21	4,288768E+21	2,580248E+21	2,580153E+21	4,288513E+21	7,516892E+21
-2229	1,154159E+22	1,528379E+22	1,759949E+22	1,759938E+22	1,528346E+22	1,154112E+22	7,516603E+21	4,288418E+21	2,580136E+21	2,580255E+21	4,288758E+21	7,516990E+21
-2228	1,154124E+22	1,528307E+22	1,759868E+22	1,759899E+22	1,528366E+22	1,154164E+22	7,517052E+21	4,288623E+21	2,580106E+21	2,580029E+21	4,288361E+21	7,516564E+21
-2227	1,154096E+22	1,528323E+22	1,759925E+22	1,759938E+22	1,528374E+22	1,154156E+22	7,516931E+21	4,288515E+21	2,580023E+21	2,580000E+21	4,288513E+21	7,517128E+21
-2226	1,154191E+22	1,528397E+22	1,759941E+22	1,759909E+22	1,528327E+22	1,154114E+22	7,516572E+21	4,288181E+21	2,579762E+21	2,579836E+21	4,288321E+21	7,516646E+21
-2225	1,154120E+22	1,528342E+22	1,759938E+22	1,759963E+22	1,528393E+22	1,154167E+22	7,516939E+21	4,288353E+21	2,579706E+21	2,579570E+21	4,287950E+21	7,516402E+21
-2224	1,154140E+22	1,528427E+22	1,760039E+22	1,760019E+22	1,528398E+22	1,154127E+22	7,516390E+21	4,287925E+21	2,579473E+21	2,579538E+21	4,288206E+21	7,516968E+21
-2223	1,154188E+22	1,528429E+22	1,760010E+22	1,759991E+22	1,528393E+22	1,154137E+22	7,516368E+21	4,287735E+21	2,579239E+21	2,579298E+21	4,287832E+21	7,516336E+21
-2222	1,154107E+22	1,528366E+22	1,760018E+22	1,760055E+22	1,528459E+22	1,154190E+22	7,516774E+21	4,287955E+21	2,579250E+21	2,579156E+21	4,287699E+21	7,516521E+21
-2221	1,154189E+22	1,528468E+22	1,760070E+22	1,760060E+22	1,528435E+22	1,154142E+22	7,516257E+21	4,287589E+21	2,579101E+21	2,579209E+21	4,287922E+21	7,516702E+21
-2220	1,154174E+22	1,528431E+22	1,760014E+22	1,760012E+22	1,528431E+22	1,154177E+22	7,516639E+21	4,287809E+21	2,579148E+21	2,579093E+21	4,287586E+21	7,516175E+21
-2219	1,154110E+22	1,528395E+22	1,760042E+22	1,760048E+22	1,528441E+22	1,154177E+22	7,516749E+21	4,288025E+21	2,579375E+21	2,579313E+21	4,287866E+21	7,516679E+21
-2218	1,154190E+22	1,528449E+22	1,760040E+22	1,760011E+22	1,528384E+22	1,154121E+22	7,516342E+21	4,287834E+21	2,579406E+21	2,579529E+21	4,288125E+21	7,516587E+21
-2217	1,154125E+22	1,528352E+22	1,759952E+22	1,759983E+22	1,528411E+22	1,154170E+22	7,516852E+21	4,288264E+21	2,579683E+21	2,579619E+21	4,288047E+21	7,516430E+21
-2216	1,154116E+22	1,528377E+22	1,759983E+22	1,759978E+22	1,528383E+22	1,154137E+22	7,516641E+21	4,288260E+21	2,579852E+21	2,579921E+21	4,288538E+21	7,517193E+21
-2215	1,154190E+22	1,528390E+22	1,759929E+22	1,759895E+22	1,528320E+22	1,154111E+22	7,516587E+21	4,288294E+21	2,579970E+21	2,580084E+21	4,288536E+21	7,516739E+21
-2214	1,154101E+22	1,528294E+22	1,759879E+22	1,759899E+22	1,528350E+22	1,154159E+22	7,517197E+21	4,288860E+21	2,580338E+21	2,580228E+21	4,288516E+21	7,516749E+21
-2213	1,154141E+22	1,528367E+22	1,759926E+22	1,759906E+22	1,528321E+22	1,154105E+22	7,516752E+21	4,288707E+21	2,580452E+21	2,580538E+21	4,288992E+21	7,517184E+21
-2212	1,154141E+22	1,528320E+22	1,759855E+22	1,759843E+22	1,528301E+22	1,154122E+22	7,516988E+21	4,288883E+21	2,580561E+21	2,580558E+21	4,288813E+21	7,516713E+21
-2211	1,154061E+22	1,528237E+22	1,759833E+22	1,759868E+22	1,528330E+22	1,154148E+22	7,517250E+21	4,289123E+21	2,580720E+21	2,580645E+21	4,288934E+21	7,517108E+21
-2210	1,154151E+22	1,528326E+22	1,759858E+22	1,759843E+22	1,528283E+22	1,154095E+22	7,516772E+21	4,288758E+21	2,580543E+21	2,580672E+21	4,289112E+21	7,517164E+21
-2209	1,154116E+22	1,528269E+22	1,759800E+22	1,759820E+22	1,528307E+22	1,154143E+22	7,517183E+21	4,288950E+21	2,580503E+21	2,580421E+21	4,288668E+21	7,516682E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2208	1,154090E+22	1,528303E+22	1,759883E+22	1,759876E+22	1,528315E+22	1,154127E+22	7,516984E+21	4,288800E+21	2,580389E+21	2,580359E+21	4,288783E+21	7,517205E+21
-2207	1,154181E+22	1,528373E+22	1,759909E+22	1,759871E+22	1,528290E+22	1,154091E+22	7,516573E+21	4,288412E+21	2,580119E+21	2,580217E+21	4,288625E+21	7,516720E+21
-2206	1,154097E+22	1,528292E+22	1,759881E+22	1,759917E+22	1,528366E+22	1,154157E+22	7,517026E+21	4,288613E+21	2,580059E+21	2,579943E+21	4,288265E+21	7,516535E+21
-2205	1,154126E+22	1,528381E+22	1,759975E+22	1,759973E+22	1,528379E+22	1,154129E+22	7,516559E+21	4,288219E+21	2,579834E+21	2,579898E+21	4,288494E+21	7,517068E+21
-2204	1,154171E+22	1,528386E+22	1,759955E+22	1,759941E+22	1,528363E+22	1,154135E+22	7,516585E+21	4,288082E+21	2,579622E+21	2,579653E+21	4,288123E+21	7,516519E+21
-2203	1,154102E+22	1,528316E+22	1,759937E+22	1,759976E+22	1,528408E+22	1,154176E+22	7,516950E+21	4,288329E+21	2,579689E+21	2,579577E+21	4,288008E+21	7,516606E+21
-2202	1,154177E+22	1,528434E+22	1,760007E+22	1,759980E+22	1,528369E+22	1,154122E+22	7,516469E+21	4,288009E+21	2,579581E+21	2,579675E+21	4,288270E+21	7,516759E+21
-2201	1,154146E+22	1,528379E+22	1,759954E+22	1,759948E+22	1,528376E+22	1,154152E+22	7,516785E+21	4,288229E+21	2,579677E+21	2,579630E+21	4,288023E+21	7,516307E+21
-2200	1,154086E+22	1,528342E+22	1,759973E+22	1,759981E+22	1,528388E+22	1,154151E+22	7,516817E+21	4,288382E+21	2,579873E+21	2,579841E+21	4,288333E+21	7,516913E+21
-2199	1,154177E+22	1,528397E+22	1,759962E+22	1,759936E+22	1,528335E+22	1,154101E+22	7,516405E+21	4,288151E+21	2,579883E+21	2,580050E+21	4,288586E+21	7,516833E+21
-2198	1,154112E+22	1,528292E+22	1,759859E+22	1,759894E+22	1,528356E+22	1,154155E+22	7,517031E+21	4,288657E+21	2,580170E+21	2,580112E+21	4,288452E+21	7,516642E+21
-2197	1,154113E+22	1,528337E+22	1,759906E+22	1,759902E+22	1,528335E+22	1,154125E+22	7,516868E+21	4,288714E+21	2,580379E+21	2,580413E+21	4,288887E+21	7,517269E+21
-2196	1,154170E+22	1,528350E+22	1,759875E+22	1,759834E+22	1,528270E+22	1,154096E+22	7,516819E+21	4,288777E+21	2,580523E+21	2,580593E+21	4,288915E+21	7,516870E+21
-2195	1,154077E+22	1,528229E+22	1,759798E+22	1,759829E+22	1,528300E+22	1,154139E+22	7,517353E+21	4,289301E+21	2,580897E+21	2,580787E+21	4,288952E+21	7,516868E+21
-2194	1,154115E+22	1,528308E+22	1,759846E+22	1,759828E+22	1,528267E+22	1,154091E+22	7,516944E+21	4,289111E+21	2,580956E+21	2,581060E+21	4,289432E+21	7,517347E+21
-2193	1,154114E+22	1,528254E+22	1,759771E+22	1,759767E+22	1,528253E+22	1,154111E+22	7,517167E+21	4,289253E+21	2,581025E+21	2,581043E+21	4,289234E+21	7,516924E+21
-2192	1,154052E+22	1,528192E+22	1,759754E+22	1,759789E+22	1,528276E+22	1,154129E+22	7,517361E+21	4,289434E+21	2,581115E+21	2,581049E+21	4,289280E+21	7,517302E+21
-2191	1,154151E+22	1,528299E+22	1,759795E+22	1,759770E+22	1,528229E+22	1,154074E+22	7,516837E+21	4,289041E+21	2,580925E+21	2,581055E+21	4,289406E+21	7,517265E+21
-2190	1,154102E+22	1,528233E+22	1,759743E+22	1,759754E+22	1,528255E+22	1,154123E+22	7,517306E+21	4,289279E+21	2,580901E+21	2,580805E+21	4,288955E+21	7,516762E+21
-2189	1,154075E+22	1,528267E+22	1,759836E+22	1,759837E+22	1,528283E+22	1,154110E+22	7,517093E+21	4,289131E+21	2,580798E+21	2,580753E+21	4,289076E+21	7,517254E+21
-2188	1,154155E+22	1,528329E+22	1,759863E+22	1,759837E+22	1,528266E+22	1,154082E+22	7,516694E+21	4,288721E+21	2,580505E+21	2,580595E+21	4,288960E+21	7,516927E+21
-2187	1,154083E+22	1,528235E+22	1,759803E+22	1,759853E+22	1,528329E+22	1,154146E+22	7,517136E+21	4,288893E+21	2,580432E+21	2,580331E+21	4,288595E+21	7,516701E+21
-2186	1,154120E+22	1,528344E+22	1,759904E+22	1,759895E+22	1,528328E+22	1,154119E+22	7,516764E+21	4,288542E+21	2,580201E+21	2,580261E+21	4,288775E+21	7,517159E+21
-2185	1,154157E+22	1,528350E+22	1,759897E+22	1,759876E+22	1,528315E+22	1,154122E+22	7,516767E+21	4,288447E+21	2,580045E+21	2,580059E+21	4,288418E+21	7,516580E+21
-2184	1,154088E+22	1,528287E+22	1,759885E+22	1,759914E+22	1,528354E+22	1,154151E+22	7,517051E+21	4,288680E+21	2,580132E+21	2,580015E+21	4,288343E+21	7,516683E+21
-2183	1,154155E+22	1,528391E+22	1,759951E+22	1,759929E+22	1,528328E+22	1,154099E+22	7,516513E+21	4,288332E+21	2,580047E+21	2,580163E+21	4,288669E+21	7,516889E+21
-2182	1,154118E+22	1,528315E+22	1,759872E+22	1,759880E+22	1,528334E+22	1,154138E+22	7,516917E+21	4,288591E+21	2,580153E+21	2,580132E+21	4,288470E+21	7,516540E+21
-2181	1,154072E+22	1,528283E+22	1,759887E+22	1,759910E+22	1,528347E+22	1,154140E+22	7,517005E+21	4,288777E+21	2,580358E+21	2,580327E+21	4,288740E+21	7,517110E+21
-2180	1,154164E+22	1,528349E+22	1,759888E+22	1,759865E+22	1,528288E+22	1,154090E+22	7,516630E+21	4,288583E+21	2,580380E+21	2,580527E+21	4,288992E+21	7,517096E+21
-2179	1,154108E+22	1,528243E+22	1,759769E+22	1,759799E+22	1,528290E+22	1,154134E+22	7,517208E+21	4,289095E+21	2,580709E+21	2,580638E+21	4,288847E+21	7,516769E+21
-2178	1,154099E+22	1,528298E+22	1,759837E+22	1,759815E+22	1,528265E+22	1,154104E+22	7,517094E+21	4,289182E+21	2,580936E+21	2,580958E+21	4,289295E+21	7,517351E+21
-2177	1,154138E+22	1,528292E+22	1,759809E+22	1,759774E+22	1,528222E+22	1,154075E+22	7,516977E+21	4,289229E+21	2,581098E+21	2,581173E+21	4,289379E+21	7,517018E+21
-2176	1,154053E+22	1,528172E+22	1,759716E+22	1,759756E+22	1,528252E+22	1,154118E+22	7,517451E+21	4,289670E+21	2,581400E+21	2,581316E+21	4,289413E+21	7,517091E+21
-2175	1,154098E+22	1,528251E+22	1,759762E+22	1,759751E+22	1,528220E+22	1,154075E+22	7,517038E+21	4,289433E+21	2,581404E+21	2,581529E+21	4,289828E+21	7,517546E+21
-2174	1,154100E+22	1,528197E+22	1,759680E+22	1,759679E+22	1,528197E+22	1,154097E+22	7,517355E+21	4,289621E+21	2,581454E+21	2,581461E+21	4,289568E+21	7,517085E+21
-2173	1,154046E+22	1,528157E+22	1,759687E+22	1,759718E+22	1,528226E+22	1,154112E+22	7,517546E+21	4,289821E+21	2,581550E+21	2,581444E+21	4,289548E+21	7,517341E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2172	1,154130E+22	1,528267E+22	1,759755E+22	1,759723E+22	1,528188E+22	1,154057E+22	7,516990E+21	4,289413E+21	2,581355E+21	2,581452E+21	4,289712E+21	7,517388E+21
-2171	1,154083E+22	1,528183E+22	1,759679E+22	1,759699E+22	1,528215E+22	1,154102E+22	7,517369E+21	4,289588E+21	2,581323E+21	2,581236E+21	4,289298E+21	7,516875E+21
-2170	1,154058E+22	1,528227E+22	1,759777E+22	1,759777E+22	1,528244E+22	1,154100E+22	7,517228E+21	4,289421E+21	2,581177E+21	2,581149E+21	4,289414E+21	7,517399E+21
-2169	1,154135E+22	1,528279E+22	1,759803E+22	1,759787E+22	1,528235E+22	1,154074E+22	7,516839E+21	4,289020E+21	2,580877E+21	2,580977E+21	4,289276E+21	7,517082E+21
-2168	1,154079E+22	1,528204E+22	1,759739E+22	1,759790E+22	1,528287E+22	1,154132E+22	7,517252E+21	4,289178E+21	2,580783E+21	2,580685E+21	4,288885E+21	7,516834E+21
-2167	1,154112E+22	1,528317E+22	1,759851E+22	1,759834E+22	1,528283E+22	1,154103E+22	7,516861E+21	4,288845E+21	2,580591E+21	2,580641E+21	4,289045E+21	7,517199E+21
-2166	1,154133E+22	1,528305E+22	1,759836E+22	1,759812E+22	1,528267E+22	1,154106E+22	7,516935E+21	4,288823E+21	2,580492E+21	2,580499E+21	4,288760E+21	7,516680E+21
-2165	1,154065E+22	1,528237E+22	1,759820E+22	1,759863E+22	1,528318E+22	1,154134E+22	7,517188E+21	4,289067E+21	2,580616E+21	2,580496E+21	4,288731E+21	7,516820E+21
-2164	1,154128E+22	1,528333E+22	1,759878E+22	1,759868E+22	1,528291E+22	1,154087E+22	7,516655E+21	4,288703E+21	2,580518E+21	2,580642E+21	4,289110E+21	7,517190E+21
-2163	1,154107E+22	1,528250E+22	1,759771E+22	1,759787E+22	1,528276E+22	1,154118E+22	7,517038E+21	4,288951E+21	2,580634E+21	2,580631E+21	4,288896E+21	7,516790E+21
-2162	1,154071E+22	1,528246E+22	1,759807E+22	1,759813E+22	1,528276E+22	1,154119E+22	7,517201E+21	4,289180E+21	2,580842E+21	2,580806E+21	4,289115E+21	7,517262E+21
-2161	1,154150E+22	1,528310E+22	1,759824E+22	1,759790E+22	1,528228E+22	1,154068E+22	7,516815E+21	4,289030E+21	2,580916E+21	2,581043E+21	4,289363E+21	7,517188E+21
-2160	1,154092E+22	1,528210E+22	1,759710E+22	1,759732E+22	1,528234E+22	1,154107E+22	7,517329E+21	4,289507E+21	2,581241E+21	2,581172E+21	4,289258E+21	7,516879E+21
-2159	1,154073E+22	1,528248E+22	1,759773E+22	1,759757E+22	1,528225E+22	1,154084E+22	7,517180E+21	4,289564E+21	2,581463E+21	2,581497E+21	4,289714E+21	7,517463E+21
-2158	1,154105E+22	1,528221E+22	1,759720E+22	1,759700E+22	1,528182E+22	1,154067E+22	7,517177E+21	4,289636E+21	2,581606E+21	2,581695E+21	4,289824E+21	7,517231E+21
-2157	1,154034E+22	1,528108E+22	1,759626E+22	1,759683E+22	1,528210E+22	1,154109E+22	7,517671E+21	4,290086E+21	2,581887E+21	2,581788E+21	4,289793E+21	7,517265E+21
-2156	1,154080E+22	1,528198E+22	1,759683E+22	1,759676E+22	1,528174E+22	1,154065E+22	7,517260E+21	4,289851E+21	2,581868E+21	2,581964E+21	4,290188E+21	7,517763E+21
-2155	1,154092E+22	1,528150E+22	1,759596E+22	1,759587E+22	1,528132E+22	1,154072E+22	7,517502E+21	4,290018E+21	2,581935E+21	2,581926E+21	4,289918E+21	7,517203E+21
-2154	1,154033E+22	1,528126E+22	1,759633E+22	1,759643E+22	1,528160E+22	1,154086E+22	7,517692E+21	4,290198E+21	2,582015E+21	2,581904E+21	4,289902E+21	7,517432E+21
-2153	1,154104E+22	1,528220E+22	1,759703E+22	1,759678E+22	1,528151E+22	1,154037E+22	7,517075E+21	4,289749E+21	2,581808E+21	2,581918E+21	4,290092E+21	7,517543E+21
-2152	1,154071E+22	1,528145E+22	1,759617E+22	1,759642E+22	1,528179E+22	1,154085E+22	7,517396E+21	4,289827E+21	2,581689E+21	2,581640E+21	4,289663E+21	7,517085E+21
-2151	1,154050E+22	1,528188E+22	1,759716E+22	1,759720E+22	1,528212E+22	1,154088E+22	7,517279E+21	4,289649E+21	2,581508E+21	2,581492E+21	4,289687E+21	7,517531E+21
-2150	1,154125E+22	1,528239E+22	1,759736E+22	1,759722E+22	1,528198E+22	1,154068E+22	7,517014E+21	4,289328E+21	2,581227E+21	2,581310E+21	4,289526E+21	7,517179E+21
-2149	1,154069E+22	1,528172E+22	1,759685E+22	1,759734E+22	1,528247E+22	1,154120E+22	7,517433E+21	4,289539E+21	2,581182E+21	2,581044E+21	4,289120E+21	7,516840E+21
-2148	1,154084E+22	1,528274E+22	1,759805E+22	1,759790E+22	1,528250E+22	1,154092E+22	7,517032E+21	4,289219E+21	2,581020E+21	2,581050E+21	4,289371E+21	7,517323E+21
-2147	1,154108E+22	1,528246E+22	1,759757E+22	1,759741E+22	1,528220E+22	1,154085E+22	7,517030E+21	4,289169E+21	2,580956E+21	2,580981E+21	4,289163E+21	7,516850E+21
-2146	1,154047E+22	1,528187E+22	1,759744E+22	1,759778E+22	1,528262E+22	1,154118E+22	7,517338E+21	4,289410E+21	2,581067E+21	2,580971E+21	4,289145E+21	7,517036E+21
-2145	1,154112E+22	1,528279E+22	1,759803E+22	1,759796E+22	1,528243E+22	1,154071E+22	7,516806E+21	4,289075E+21	2,580989E+21	2,581123E+21	4,289506E+21	7,517417E+21
-2144	1,154110E+22	1,528220E+22	1,759696E+22	1,759703E+22	1,528217E+22	1,154093E+22	7,517136E+21	4,289305E+21	2,581096E+21	2,581100E+21	4,289271E+21	7,516966E+21
-2143	1,154064E+22	1,528218E+22	1,759750E+22	1,759741E+22	1,528221E+22	1,154095E+22	7,517300E+21	4,289566E+21	2,581346E+21	2,581292E+21	4,289453E+21	7,517320E+21
-2142	1,154123E+22	1,528258E+22	1,759759E+22	1,759726E+22	1,528180E+22	1,154050E+22	7,517011E+21	4,289490E+21	2,581471E+21	2,581586E+21	4,289776E+21	7,517290E+21
-2141	1,154061E+22	1,528146E+22	1,759638E+22	1,759677E+22	1,528198E+22	1,154094E+22	7,517523E+21	4,289972E+21	2,581811E+21	2,581733E+21	4,289703E+21	7,517019E+21
-2140	1,154037E+22	1,528173E+22	1,759688E+22	1,759689E+22	1,528190E+22	1,154080E+22	7,517405E+21	4,290002E+21	2,581995E+21	2,582034E+21	4,290186E+21	7,517730E+21
-2139	1,154086E+22	1,528146E+22	1,759606E+22	1,759595E+22	1,528122E+22	1,154052E+22	7,517372E+21	4,290061E+21	2,582131E+21	2,582226E+21	4,290263E+21	7,517461E+21
-2138	1,154029E+22	1,528066E+22	1,759538E+22	1,759574E+22	1,528137E+22	1,154090E+22	7,517884E+21	4,290509E+21	2,582388E+21	2,582276E+21	4,290171E+21	7,517421E+21
-2137	1,154066E+22	1,528156E+22	1,759619E+22	1,759600E+22	1,528113E+22	1,154040E+22	7,517410E+21	4,290267E+21	2,582376E+21	2,582452E+21	4,290539E+21	7,517877E+21



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2136	1,154082E+22	1,528120E+22	1,759543E+22	1,759525E+22	1,528078E+22	1,154041E+22	7,517533E+21	4,290338E+21	2,582383E+21	2,582392E+21	4,290297E+21	7,517351E+21
-2135	1,154018E+22	1,528089E+22	1,759586E+22	1,759597E+22	1,528126E+22	1,154065E+22	7,517687E+21	4,290456E+21	2,582411E+21	2,582320E+21	4,290241E+21	7,517556E+21
-2134	1,154082E+22	1,528166E+22	1,759639E+22	1,759625E+22	1,528125E+22	1,154034E+22	7,517220E+21	4,290033E+21	2,582168E+21	2,582295E+21	4,290418E+21	7,517713E+21
-2133	1,154060E+22	1,528101E+22	1,759559E+22	1,759596E+22	1,528155E+22	1,154083E+22	7,517576E+21	4,290130E+21	2,582034E+21	2,581971E+21	4,289918E+21	7,517193E+21
-2132	1,154037E+22	1,528149E+22	1,759659E+22	1,759665E+22	1,528182E+22	1,154087E+22	7,517486E+21	4,289977E+21	2,581858E+21	2,581815E+21	4,289927E+21	7,517617E+21
-2131	1,154109E+22	1,528194E+22	1,759665E+22	1,759643E+22	1,528145E+22	1,154052E+22	7,517175E+21	4,289686E+21	2,581647E+21	2,581710E+21	4,289806E+21	7,517229E+21
-2130	1,154050E+22	1,528136E+22	1,759631E+22	1,759661E+22	1,528189E+22	1,154099E+22	7,517577E+21	4,289902E+21	2,581632E+21	2,581492E+21	4,289472E+21	7,516938E+21
-2129	1,154055E+22	1,528214E+22	1,759740E+22	1,759732E+22	1,528208E+22	1,154072E+22	7,517124E+21	4,289571E+21	2,581491E+21	2,581536E+21	4,289773E+21	7,517518E+21
-2128	1,154100E+22	1,528200E+22	1,759680E+22	1,759666E+22	1,528170E+22	1,154062E+22	7,517062E+21	4,289445E+21	2,581372E+21	2,581444E+21	4,289590E+21	7,517124E+21
-2127	1,154046E+22	1,528150E+22	1,759677E+22	1,759704E+22	1,528209E+22	1,154095E+22	7,517376E+21	4,289694E+21	2,581475E+21	2,581391E+21	4,289481E+21	7,517199E+21
-2126	1,154104E+22	1,528239E+22	1,759735E+22	1,759719E+22	1,528192E+22	1,154057E+22	7,516988E+21	4,289457E+21	2,581443E+21	2,581562E+21	4,289833E+21	7,517527E+21
-2125	1,154097E+22	1,528185E+22	1,759647E+22	1,759648E+22	1,528172E+22	1,154077E+22	7,517321E+21	4,289736E+21	2,581606E+21	2,581578E+21	4,289599E+21	7,517002E+21
-2124	1,154032E+22	1,528164E+22	1,759693E+22	1,759693E+22	1,528189E+22	1,154087E+22	7,517509E+21	4,290014E+21	2,581881E+21	2,581818E+21	4,289866E+21	7,517439E+21
-2123	1,154089E+22	1,528183E+22	1,759665E+22	1,759646E+22	1,528136E+22	1,154039E+22	7,517199E+21	4,289939E+21	2,582044E+21	2,582170E+21	4,290259E+21	7,517486E+21
-2122	1,154037E+22	1,528080E+22	1,759545E+22	1,759577E+22	1,528139E+22	1,154084E+22	7,517765E+21	4,290418E+21	2,582361E+21	2,582299E+21	4,290188E+21	7,517265E+21
-2121	1,154017E+22	1,528102E+22	1,759592E+22	1,759600E+22	1,528135E+22	1,154066E+22	7,517625E+21	4,290455E+21	2,582540E+21	2,582578E+21	4,290624E+21	7,517968E+21
-2120	1,154088E+22	1,528108E+22	1,759518E+22	1,759493E+22	1,528051E+22	1,154025E+22	7,517488E+21	4,290446E+21	2,582628E+21	2,582734E+21	4,290682E+21	7,517669E+21
-2119	1,154024E+22	1,528036E+22	1,759480E+22	1,759495E+22	1,528070E+22	1,154057E+22	7,517932E+21	4,290866E+21	2,582868E+21	2,582746E+21	4,290520E+21	7,517519E+21
-2118	1,154046E+22	1,528112E+22	1,759563E+22	1,759541E+22	1,528065E+22	1,154018E+22	7,517527E+21	4,290641E+21	2,582851E+21	2,582929E+21	4,290923E+21	7,518017E+21
-2117	1,154062E+22	1,528071E+22	1,759490E+22	1,759484E+22	1,528049E+22	1,154027E+22	7,517628E+21	4,290665E+21	2,582813E+21	2,582823E+21	4,290646E+21	7,517486E+21
-2116	1,153996E+22	1,528035E+22	1,759524E+22	1,759550E+22	1,528105E+22	1,154065E+22	7,517851E+21	4,290755E+21	2,582777E+21	2,582696E+21	4,290568E+21	7,517730E+21
-2115	1,154070E+22	1,528113E+22	1,759555E+22	1,759546E+22	1,528080E+22	1,154026E+22	7,517398E+21	4,290358E+21	2,582548E+21	2,582663E+21	4,290696E+21	7,517813E+21
-2114	1,154051E+22	1,528069E+22	1,759496E+22	1,759511E+22	1,528099E+22	1,154073E+22	7,517787E+21	4,290481E+21	2,582427E+21	2,582337E+21	4,290172E+21	7,517232E+21
-2113	1,154014E+22	1,528103E+22	1,759606E+22	1,759608E+22	1,528137E+22	1,154072E+22	7,517648E+21	4,290350E+21	2,582296E+21	2,582230E+21	4,290204E+21	7,517649E+21
-2112	1,154094E+22	1,528156E+22	1,759608E+22	1,759583E+22	1,528095E+22	1,154025E+22	7,517209E+21	4,289979E+21	2,582061E+21	2,582150E+21	4,290176E+21	7,517367E+21
-2111	1,154034E+22	1,528094E+22	1,759575E+22	1,759605E+22	1,528147E+22	1,154074E+22	7,517565E+21	4,290156E+21	2,582025E+21	2,581910E+21	4,289830E+21	7,517103E+21
-2110	1,154039E+22	1,528161E+22	1,759670E+22	1,759668E+22	1,528169E+22	1,154060E+22	7,517252E+21	4,289876E+21	2,581886E+21	2,581953E+21	4,290145E+21	7,517739E+21
-2109	1,154094E+22	1,528156E+22	1,759620E+22	1,759610E+22	1,528131E+22	1,154050E+22	7,517209E+21	4,289780E+21	2,581778E+21	2,581843E+21	4,289911E+21	7,517275E+21
-2108	1,154037E+22	1,528113E+22	1,759620E+22	1,759644E+22	1,528172E+22	1,154088E+22	7,517576E+21	4,290068E+21	2,581908E+21	2,581815E+21	4,289809E+21	7,517303E+21
-2107	1,154086E+22	1,528192E+22	1,759662E+22	1,759639E+22	1,528136E+22	1,154041E+22	7,517195E+21	4,289903E+21	2,581975E+21	2,582077E+21	4,290209E+21	7,517600E+21
-2106	1,154071E+22	1,528135E+22	1,759581E+22	1,759570E+22	1,528117E+22	1,154062E+22	7,517533E+21	4,290202E+21	2,582183E+21	2,582156E+21	4,290059E+21	7,517143E+21
-2105	1,153999E+22	1,528085E+22	1,759605E+22	1,759622E+22	1,528148E+22	1,154075E+22	7,517700E+21	4,290477E+21	2,582472E+21	2,582421E+21	4,290354E+21	7,517654E+21
-2104	1,154076E+22	1,528120E+22	1,759564E+22	1,759548E+22	1,528075E+22	1,154018E+22	7,517331E+21	4,290330E+21	2,582573E+21	2,582736E+21	4,290765E+21	7,517792E+21
-2103	1,154034E+22	1,528033E+22	1,759459E+22	1,759481E+22	1,528070E+22	1,154056E+22	7,517864E+21	4,290801E+21	2,582857E+21	2,582792E+21	4,290587E+21	7,517462E+21
-2102	1,154009E+22	1,528055E+22	1,759511E+22	1,759508E+22	1,528068E+22	1,154044E+22	7,517814E+21	4,290883E+21	2,583041E+21	2,583062E+21	4,290993E+21	7,518098E+21
-2101	1,154074E+22	1,528070E+22	1,759470E+22	1,759436E+22	1,527997E+22	1,154000E+22	7,517628E+21	4,290853E+21	2,583124E+21	2,583205E+21	4,291026E+21	7,517745E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2100	1,154001E+22	1,527992E+22	1,759430E+22	1,759451E+22	1,528037E+22	1,154043E+22	7,518056E+21	4,291219E+21	2,583321E+21	2,583210E+21	4,290896E+21	7,517627E+21
-2099	1,154020E+22	1,528050E+22	1,759484E+22	1,759473E+22	1,528027E+22	1,154009E+22	7,517675E+21	4,290994E+21	2,583307E+21	2,583394E+21	4,291305E+21	7,518166E+21
-2098	1,154044E+22	1,528022E+22	1,759422E+22	1,759412E+22	1,528008E+22	1,154024E+22	7,517826E+21	4,291007E+21	2,583233E+21	2,583246E+21	4,290996E+21	7,517647E+21
-2097	1,153980E+22	1,527978E+22	1,759450E+22	1,759487E+22	1,528069E+22	1,154059E+22	7,518056E+21	4,291120E+21	2,583195E+21	2,583094E+21	4,290850E+21	7,517829E+21
-2096	1,154067E+22	1,528081E+22	1,759486E+22	1,759467E+22	1,528026E+22	1,154008E+22	7,517518E+21	4,290674E+21	2,582938E+21	2,583051E+21	4,290996E+21	7,517909E+21
-2095	1,154039E+22	1,528041E+22	1,759452E+22	1,759449E+22	1,528040E+22	1,154043E+22	7,517835E+21	4,290788E+21	2,582824E+21	2,582722E+21	4,290457E+21	7,517280E+21
-2094	1,153990E+22	1,528052E+22	1,759547E+22	1,759554E+22	1,528095E+22	1,154052E+22	7,517748E+21	4,290671E+21	2,582711E+21	2,582659E+21	4,290571E+21	7,517786E+21
-2093	1,154073E+22	1,528105E+22	1,759553E+22	1,759539E+22	1,528063E+22	1,154010E+22	7,517275E+21	4,290259E+21	2,582450E+21	2,582559E+21	4,290544E+21	7,517564E+21
-2092	1,154023E+22	1,528046E+22	1,759511E+22	1,759550E+22	1,528117E+22	1,154068E+22	7,517679E+21	4,290417E+21	2,582377E+21	2,582295E+21	4,290186E+21	7,517317E+21
-2091	1,154035E+22	1,528115E+22	1,759588E+22	1,759584E+22	1,528117E+22	1,154047E+22	7,517419E+21	4,290221E+21	2,582301E+21	2,582361E+21	4,290466E+21	7,517882E+21
-2090	1,154090E+22	1,528130E+22	1,759562E+22	1,759529E+22	1,528074E+22	1,154037E+22	7,517408E+21	4,290176E+21	2,582244E+21	2,582286E+21	4,290231E+21	7,517346E+21
-2089	1,154015E+22	1,528064E+22	1,759563E+22	1,759587E+22	1,528128E+22	1,154074E+22	7,517782E+21	4,290518E+21	2,582444E+21	2,582329E+21	4,290165E+21	7,517358E+21
-2088	1,154066E+22	1,528142E+22	1,759590E+22	1,759569E+22	1,528086E+22	1,154020E+22	7,517317E+21	4,290300E+21	2,582505E+21	2,582630E+21	4,290670E+21	7,517768E+21
-2087	1,154048E+22	1,528076E+22	1,759505E+22	1,759497E+22	1,528065E+22	1,154040E+22	7,517643E+21	4,290589E+21	2,582700E+21	2,582689E+21	4,290511E+21	7,517346E+21
-2086	1,153979E+22	1,528015E+22	1,759510E+22	1,759537E+22	1,528097E+22	1,154065E+22	7,517922E+21	4,290904E+21	2,582989E+21	2,582952E+21	4,290817E+21	7,517898E+21
-2085	1,154065E+22	1,528065E+22	1,759483E+22	1,759468E+22	1,528018E+22	1,154000E+22	7,517517E+21	4,290755E+21	2,583078E+21	2,583225E+21	4,291156E+21	7,517969E+21
-2084	1,154024E+22	1,527990E+22	1,759388E+22	1,759403E+22	1,528014E+22	1,154038E+22	7,518049E+21	4,291214E+21	2,583354E+21	2,583282E+21	4,290968E+21	7,517581E+21
-2083	1,153991E+22	1,528006E+22	1,759437E+22	1,759423E+22	1,528000E+22	1,154017E+22	7,517981E+21	4,291339E+21	2,583596E+21	2,583599E+21	4,291397E+21	7,518197E+21
-2082	1,154050E+22	1,528021E+22	1,759405E+22	1,759365E+22	1,527945E+22	1,153981E+22	7,517776E+21	4,291276E+21	2,583667E+21	2,583750E+21	4,291464E+21	7,517892E+21
-2081	1,153972E+22	1,527923E+22	1,759354E+22	1,759394E+22	1,528006E+22	1,154035E+22	7,518219E+21	4,291608E+21	2,583827E+21	2,583725E+21	4,291307E+21	7,517816E+21
-2080	1,154011E+22	1,528000E+22	1,759399E+22	1,759391E+22	1,527979E+22	1,153996E+22	7,517803E+21	4,291312E+21	2,583730E+21	2,583841E+21	4,291691E+21	7,518376E+21
-2079	1,154039E+22	1,527984E+22	1,759355E+22	1,759338E+22	1,527954E+22	1,154003E+22	7,517932E+21	4,291320E+21	2,583616E+21	2,583613E+21	4,291271E+21	7,517743E+21
-2078	1,153968E+22	1,527937E+22	1,759385E+22	1,759418E+22	1,528020E+22	1,154045E+22	7,518226E+21	4,291467E+21	2,583592E+21	2,583472E+21	4,291129E+21	7,517878E+21
-2077	1,154045E+22	1,528042E+22	1,759445E+22	1,759425E+22	1,527985E+22	1,153987E+22	7,517618E+21	4,290992E+21	2,583328E+21	2,583425E+21	4,291278E+21	7,517967E+21
-2076	1,154017E+22	1,527997E+22	1,759404E+22	1,759411E+22	1,528013E+22	1,154030E+22	7,517918E+21	4,291053E+21	2,583182E+21	2,583112E+21	4,290806E+21	7,517413E+21
-2075	1,153970E+22	1,527999E+22	1,759471E+22	1,759485E+22	1,528052E+22	1,154040E+22	7,517870E+21	4,290971E+21	2,583099E+21	2,583066E+21	4,290935E+21	7,517980E+21
-2074	1,154064E+22	1,528065E+22	1,759486E+22	1,759467E+22	1,528020E+22	1,154003E+22	7,517440E+21	4,290575E+21	2,582841E+21	2,582957E+21	4,290888E+21	7,517764E+21
-2073	1,154017E+22	1,528003E+22	1,759443E+22	1,759488E+22	1,528079E+22	1,154059E+22	7,517860E+21	4,290774E+21	2,582800E+21	2,582702E+21	4,290479E+21	7,517439E+21
-2072	1,154035E+22	1,528090E+22	1,759524E+22	1,759507E+22	1,528059E+22	1,154027E+22	7,517551E+21	4,290575E+21	2,582745E+21	2,582799E+21	4,290800E+21	7,517982E+21
-2071	1,154076E+22	1,528099E+22	1,759517E+22	1,759472E+22	1,528016E+22	1,154006E+22	7,517503E+21	4,290560E+21	2,582728E+21	2,582755E+21	4,290583E+21	7,517419E+21
-2070	1,153986E+22	1,528002E+22	1,759489E+22	1,759526E+22	1,528085E+22	1,154058E+22	7,517950E+21	4,290941E+21	2,582971E+21	2,582864E+21	4,290611E+21	7,517501E+21
-2069	1,154034E+22	1,528074E+22	1,759516E+22	1,759509E+22	1,528046E+22	1,154007E+22	7,517477E+21	4,290698E+21	2,583013E+21	2,583147E+21	4,291114E+21	7,517985E+21
-2068	1,154031E+22	1,528016E+22	1,759419E+22	1,759419E+22	1,528018E+22	1,154029E+22	7,517833E+21	4,290971E+21	2,583179E+21	2,583194E+21	4,290952E+21	7,517561E+21
-2067	1,153966E+22	1,527957E+22	1,759406E+22	1,759428E+22	1,528024E+22	1,154044E+22	7,518142E+21	4,291364E+21	2,583527E+21	2,583470E+21	4,291221E+21	7,518058E+21
-2066	1,154053E+22	1,528025E+22	1,759407E+22	1,759374E+22	1,527950E+22	1,153979E+22	7,517712E+21	4,291223E+21	2,583643E+21	2,583764E+21	4,291557E+21	7,518089E+21
-2065	1,154000E+22	1,527936E+22	1,759320E+22	1,759338E+22	1,527963E+22	1,154016E+22	7,518207E+21	4,291671E+21	2,583929E+21	2,583843E+21	4,291375E+21	7,517703E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2064	1,153974E+22	1,527956E+22	1,759361E+22	1,759351E+22	1,527949E+22	1,153993E+22	7,518064E+21	4,291712E+21	2,584116E+21	2,584146E+21	4,291865E+21	7,518405E+21
-2063	1,154032E+22	1,527970E+22	1,759338E+22	1,759301E+22	1,527897E+22	1,153959E+22	7,517868E+21	4,291619E+21	2,584125E+21	2,584221E+21	4,291865E+21	7,518086E+21
-2062	1,153956E+22	1,527864E+22	1,759272E+22	1,759325E+22	1,527966E+22	1,154029E+22	7,518423E+21	4,291971E+21	2,584257E+21	2,584162E+21	4,291679E+21	7,517986E+21
-2061	1,153996E+22	1,527956E+22	1,759336E+22	1,759330E+22	1,527937E+22	1,153985E+22	7,517983E+21	4,291659E+21	2,584126E+21	2,584213E+21	4,291970E+21	7,518472E+21
-2060	1,154027E+22	1,527951E+22	1,759300E+22	1,759278E+22	1,527911E+22	1,153992E+22	7,518099E+21	4,291643E+21	2,583997E+21	2,583993E+21	4,291559E+21	7,517794E+21
-2059	1,153946E+22	1,527891E+22	1,759315E+22	1,759347E+22	1,527965E+22	1,154024E+22	7,518372E+21	4,291836E+21	2,584031E+21	2,583898E+21	4,291463E+21	7,517970E+21
-2058	1,154021E+22	1,527995E+22	1,759381E+22	1,759364E+22	1,527945E+22	1,153972E+22	7,517717E+21	4,291323E+21	2,583762E+21	2,583864E+21	4,291651E+21	7,518139E+21
-2057	1,153996E+22	1,527940E+22	1,759333E+22	1,759355E+22	1,527981E+22	1,154020E+22	7,518030E+21	4,291362E+21	2,583593E+21	2,583533E+21	4,291158E+21	7,517639E+21
-2056	1,153973E+22	1,527964E+22	1,759398E+22	1,759407E+22	1,527999E+22	1,154020E+22	7,517952E+21	4,291245E+21	2,583469E+21	2,583456E+21	4,291278E+21	7,518192E+21
-2055	1,154066E+22	1,528043E+22	1,759434E+22	1,759401E+22	1,527963E+22	1,153977E+22	7,517533E+21	4,290885E+21	2,583213E+21	2,583306E+21	4,291138E+21	7,517842E+21
-2054	1,154005E+22	1,527972E+22	1,759392E+22	1,759431E+22	1,528035E+22	1,154045E+22	7,518033E+21	4,291145E+21	2,583233E+21	2,583117E+21	4,290776E+21	7,517467E+21
-2053	1,154007E+22	1,528049E+22	1,759484E+22	1,759467E+22	1,528022E+22	1,154010E+22	7,517684E+21	4,290947E+21	2,583202E+21	2,583239E+21	4,291118E+21	7,518019E+21
-2052	1,154044E+22	1,528043E+22	1,759454E+22	1,759425E+22	1,527990E+22	1,153998E+22	7,517651E+21	4,290911E+21	2,583191E+21	2,583248E+21	4,291001E+21	7,517554E+21
-2051	1,153957E+22	1,527932E+22	1,759390E+22	1,759440E+22	1,528036E+22	1,154047E+22	7,518161E+21	4,291367E+21	2,583492E+21	2,583395E+21	4,291070E+21	7,517729E+21
-2050	1,154015E+22	1,528011E+22	1,759418E+22	1,759415E+22	1,527992E+22	1,153997E+22	7,517699E+21	4,291145E+21	2,583550E+21	2,583679E+21	4,291557E+21	7,518220E+21
-2049	1,154019E+22	1,527958E+22	1,759326E+22	1,759330E+22	1,527961E+22	1,154013E+22	7,518050E+21	4,291442E+21	2,583741E+21	2,583735E+21	4,291360E+21	7,517755E+21
-2048	1,153964E+22	1,527922E+22	1,759325E+22	1,759327E+22	1,527945E+22	1,154011E+22	7,518269E+21	4,291798E+21	2,584084E+21	2,584029E+21	4,291667E+21	7,518230E+21
-2047	1,154036E+22	1,527987E+22	1,759349E+22	1,759303E+22	1,527881E+22	1,153940E+22	7,517793E+21	4,291646E+21	2,584189E+21	2,584309E+21	4,291987E+21	7,518239E+21
-2046	1,153976E+22	1,527877E+22	1,759245E+22	1,759276E+22	1,527922E+22	1,153999E+22	7,518335E+21	4,292072E+21	2,584461E+21	2,584398E+21	4,291849E+21	7,517902E+21
-2045	1,153949E+22	1,527898E+22	1,759292E+22	1,759293E+22	1,527913E+22	1,153982E+22	7,518203E+21	4,292066E+21	2,584577E+21	2,584616E+21	4,292261E+21	7,518616E+21
-2044	1,154021E+22	1,527921E+22	1,759263E+22	1,759237E+22	1,527863E+22	1,153955E+22	7,518056E+21	4,291951E+21	2,584533E+21	2,584645E+21	4,292215E+21	7,518232E+21
-2043	1,153943E+22	1,527817E+22	1,759185E+22	1,759235E+22	1,527909E+22	1,154016E+22	7,518651E+21	4,292380E+21	2,584706E+21	2,584578E+21	4,291984E+21	7,518066E+21
-2042	1,153976E+22	1,527917E+22	1,759273E+22	1,759257E+22	1,527888E+22	1,153972E+22	7,518174E+21	4,292062E+21	2,584589E+21	2,584641E+21	4,292266E+21	7,518520E+21
-2041	1,154000E+22	1,527899E+22	1,759240E+22	1,759226E+22	1,527874E+22	1,153976E+22	7,518239E+21	4,292017E+21	2,584457E+21	2,584438E+21	4,291885E+21	7,517903E+21
-2040	1,153932E+22	1,527847E+22	1,759245E+22	1,759277E+22	1,527917E+22	1,154001E+22	7,518418E+21	4,292121E+21	2,584436E+21	2,584334E+21	4,291855E+21	7,518184E+21
-2039	1,154011E+22	1,527957E+22	1,759324E+22	1,759305E+22	1,527898E+22	1,153948E+22	7,517773E+21	4,291590E+21	2,584118E+21	2,584235E+21	4,291980E+21	7,518353E+21
-2038	1,153992E+22	1,527900E+22	1,759266E+22	1,759295E+22	1,527944E+22	1,154008E+22	7,518154E+21	4,291648E+21	2,583948E+21	2,583896E+21	4,291463E+21	7,517793E+21
-2037	1,153965E+22	1,527937E+22	1,759354E+22	1,759356E+22	1,527961E+22	1,154007E+22	7,518070E+21	4,291542E+21	2,583823E+21	2,583787E+21	4,291512E+21	7,518260E+21
-2036	1,154054E+22	1,528018E+22	1,759395E+22	1,759356E+22	1,527927E+22	1,153964E+22	7,517669E+21	4,291197E+21	2,583602E+21	2,583697E+21	4,291418E+21	7,517852E+21
-2035	1,153975E+22	1,527921E+22	1,759324E+22	1,759365E+22	1,527987E+22	1,154027E+22	7,518206E+21	4,291555E+21	2,583725E+21	2,583600E+21	4,291153E+21	7,517554E+21
-2034	1,153971E+22	1,527983E+22	1,759404E+22	1,759402E+22	1,527990E+22	1,154002E+22	7,517851E+21	4,291356E+21	2,583726E+21	2,583767E+21	4,291550E+21	7,518199E+21
-2033	1,154017E+22	1,527970E+22	1,759358E+22	1,759348E+22	1,527951E+22	1,153991E+22	7,517848E+21	4,291328E+21	2,583717E+21	2,583781E+21	4,291444E+21	7,517827E+21
-2032	1,153955E+22	1,527880E+22	1,759287E+22	1,759331E+22	1,527964E+22	1,154023E+22	7,518304E+21	4,291761E+21	2,583999E+21	2,583918E+21	4,291523E+21	7,518005E+21
-2031	1,154013E+22	1,527975E+22	1,759342E+22	1,759321E+22	1,527913E+22	1,153960E+22	7,517822E+21	4,291565E+21	2,584058E+21	2,584170E+21	4,291933E+21	7,518387E+21
-2030	1,154006E+22	1,527917E+22	1,759259E+22	1,759253E+22	1,527898E+22	1,153986E+22	7,518191E+21	4,291875E+21	2,584283E+21	2,584274E+21	4,291776E+21	7,517874E+21
-2029	1,153939E+22	1,527879E+22	1,759277E+22	1,759274E+22	1,527898E+22	1,153985E+22	7,518362E+21	4,292189E+21	2,584601E+21	2,584548E+21	4,292073E+21	7,518365E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2028	1,154013E+22	1,527935E+22	1,759285E+22	1,759251E+22	1,527851E+22	1,153931E+22	7,517932E+21	4,291999E+21	2,584674E+21	2,584830E+21	4,292422E+21	7,518394E+21
-2027	1,153951E+22	1,527814E+22	1,759154E+22	1,759194E+22	1,527877E+22	1,153993E+22	7,518576E+21	4,292502E+21	2,584971E+21	2,584909E+21	4,292276E+21	7,518105E+21
-2026	1,153930E+22	1,527838E+22	1,759203E+22	1,759214E+22	1,527874E+22	1,153980E+22	7,518456E+21	4,292507E+21	2,585081E+21	2,585092E+21	4,292615E+21	7,518751E+21
-2025	1,154004E+22	1,527867E+22	1,759181E+22	1,759159E+22	1,527819E+22	1,153948E+22	7,518307E+21	4,292402E+21	2,585039E+21	2,585108E+21	4,292536E+21	7,518351E+21
-2024	1,153934E+22	1,527780E+22	1,759112E+22	1,759144E+22	1,527839E+22	1,153988E+22	7,518782E+21	4,292774E+21	2,585190E+21	2,585056E+21	4,292359E+21	7,518195E+21
-2023	1,153955E+22	1,527872E+22	1,759216E+22	1,759193E+22	1,527826E+22	1,153936E+22	7,518232E+21	4,292416E+21	2,585037E+21	2,585087E+21	4,292624E+21	7,518656E+21
-2022	1,153978E+22	1,527844E+22	1,759172E+22	1,759169E+22	1,527837E+22	1,153958E+22	7,518304E+21	4,292315E+21	2,584874E+21	2,584887E+21	4,292287E+21	7,518111E+21
-2021	1,153917E+22	1,527806E+22	1,759192E+22	1,759221E+22	1,527879E+22	1,153985E+22	7,518462E+21	4,292355E+21	2,584774E+21	2,584691E+21	4,292167E+21	7,518384E+21
-2020	1,154010E+22	1,527926E+22	1,759269E+22	1,759250E+22	1,527865E+22	1,153940E+22	7,517877E+21	4,291824E+21	2,584431E+21	2,584566E+21	4,292239E+21	7,518446E+21
-2019	1,153983E+22	1,527870E+22	1,759206E+22	1,759225E+22	1,527897E+22	1,153995E+22	7,518322E+21	4,291986E+21	2,584334E+21	2,584255E+21	4,291715E+21	7,517844E+21
-2018	1,153944E+22	1,527900E+22	1,759302E+22	1,759303E+22	1,527928E+22	1,153997E+22	7,518236E+21	4,291914E+21	2,584265E+21	2,584195E+21	4,291775E+21	7,518263E+21
-2017	1,154022E+22	1,527962E+22	1,759335E+22	1,759310E+22	1,527902E+22	1,153957E+22	7,517842E+21	4,291586E+21	2,584079E+21	2,584160E+21	4,291764E+21	7,517970E+21
-2016	1,153955E+22	1,527866E+22	1,759242E+22	1,759284E+22	1,527936E+22	1,154009E+22	7,518323E+21	4,291909E+21	2,584199E+21	2,584105E+21	4,291605E+21	7,517793E+21
-2015	1,153954E+22	1,527926E+22	1,759325E+22	1,759322E+22	1,527931E+22	1,153979E+22	7,517993E+21	4,291728E+21	2,584184E+21	2,584240E+21	4,291958E+21	7,518441E+21
-2014	1,154009E+22	1,527916E+22	1,759270E+22	1,759262E+22	1,527897E+22	1,153975E+22	7,518019E+21	4,291722E+21	2,584205E+21	2,584281E+21	4,291865E+21	7,518042E+21
-2013	1,153947E+22	1,527848E+22	1,759227E+22	1,759250E+22	1,527901E+22	1,153997E+22	7,518420E+21	4,292143E+21	2,584481E+21	2,584388E+21	4,291880E+21	7,518154E+21
-2012	1,154003E+22	1,527943E+22	1,759290E+22	1,759256E+22	1,527859E+22	1,153937E+22	7,517949E+21	4,291951E+21	2,584566E+21	2,584689E+21	4,292324E+21	7,518473E+21
-2011	1,153980E+22	1,527862E+22	1,759186E+22	1,759180E+22	1,527844E+22	1,153963E+22	7,518351E+21	4,292332E+21	2,584855E+21	2,584846E+21	4,292234E+21	7,518030E+21
-2010	1,153908E+22	1,527811E+22	1,759193E+22	1,759208E+22	1,527867E+22	1,153979E+22	7,518544E+21	4,292632E+21	2,585170E+21	2,585116E+21	4,292525E+21	7,518550E+21
-2009	1,153988E+22	1,527864E+22	1,759193E+22	1,759176E+22	1,527817E+22	1,153930E+22	7,518188E+21	4,292455E+21	2,585221E+21	2,585364E+21	4,292847E+21	7,518625E+21
-2008	1,153944E+22	1,527761E+22	1,759057E+22	1,759089E+22	1,527811E+22	1,153975E+22	7,518781E+21	4,292932E+21	2,585485E+21	2,585419E+21	4,292690E+21	7,518304E+21
-2007	1,153918E+22	1,527795E+22	1,759132E+22	1,759127E+22	1,527803E+22	1,153952E+22	7,518630E+21	4,292936E+21	2,585570E+21	2,585554E+21	4,292946E+21	7,518842E+21
-2006	1,153984E+22	1,527819E+22	1,759113E+22	1,759088E+22	1,527764E+22	1,153925E+22	7,518439E+21	4,292794E+21	2,585528E+21	2,585596E+21	4,292910E+21	7,518438E+21
-2005	1,153907E+22	1,527735E+22	1,759062E+22	1,759089E+22	1,527794E+22	1,153962E+22	7,518814E+21	4,293070E+21	2,585606E+21	2,585486E+21	4,292717E+21	7,518351E+21
-2004	1,153940E+22	1,527827E+22	1,759160E+22	1,759142E+22	1,527795E+22	1,153923E+22	7,518282E+21	4,292647E+21	2,585396E+21	2,585492E+21	4,292980E+21	7,518822E+21
-2003	1,153964E+22	1,527794E+22	1,759100E+22	1,759099E+22	1,527794E+22	1,153947E+22	7,518443E+21	4,292612E+21	2,585242E+21	2,585265E+21	4,292620E+21	7,518307E+21
-2002	1,153911E+22	1,527766E+22	1,759127E+22	1,759163E+22	1,527851E+22	1,153981E+22	7,518620E+21	4,292667E+21	2,585147E+21	2,585044E+21	4,292418E+21	7,518475E+21
-2001	1,154001E+22	1,527892E+22	1,759213E+22	1,759192E+22	1,527833E+22	1,153937E+22	7,518083E+21	4,292185E+21	2,584837E+21	2,584931E+21	4,292476E+21	7,518503E+21
-2000	1,153972E+22	1,527839E+22	1,759151E+22	1,759153E+22	1,527840E+22	1,153973E+22	7,518446E+21	4,292338E+21	2,584770E+21	2,584688E+21	4,292050E+21	7,517934E+21
-1999	1,153920E+22	1,527850E+22	1,759247E+22	1,759247E+22	1,527878E+22	1,153971E+22	7,518335E+21	4,292270E+21	2,584711E+21	2,584646E+21	4,292133E+21	7,518374E+21
-1998	1,153995E+22	1,527897E+22	1,759256E+22	1,759245E+22	1,527866E+22	1,153946E+22	7,517967E+21	4,291929E+21	2,584540E+21	2,584653E+21	4,292199E+21	7,518185E+21
-1997	1,153940E+22	1,527817E+22	1,759174E+22	1,759207E+22	1,527885E+22	1,153991E+22	7,518426E+21	4,292224E+21	2,584620E+21	2,584545E+21	4,291991E+21	7,518037E+21
-1996	1,153954E+22	1,527887E+22	1,759254E+22	1,759242E+22	1,527877E+22	1,153963E+22	7,518131E+21	4,292061E+21	2,584618E+21	2,584687E+21	4,292305E+21	7,518569E+21
-1995	1,153998E+22	1,527877E+22	1,759199E+22	1,759174E+22	1,527831E+22	1,153952E+22	7,518206E+21	4,292162E+21	2,584723E+21	2,584778E+21	4,292238E+21	7,518155E+21
-1994	1,153927E+22	1,527801E+22	1,759164E+22	1,759188E+22	1,527858E+22	1,153978E+22	7,518574E+21	4,292589E+21	2,585042E+21	2,584928E+21	4,292261E+21	7,518220E+21
-1993	1,153973E+22	1,527881E+22	1,759219E+22	1,759198E+22	1,527828E+22	1,153929E+22	7,518150E+21	4,292414E+21	2,585144E+21	2,585256E+21	4,292767E+21	7,518650E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1992	1,153960E+22	1,527801E+22	1,759099E+22	1,759094E+22	1,527791E+22	1,153947E+22	7,518519E+21	4,292760E+21	2,585415E+21	2,585432E+21	4,292747E+21	7,518299E+21
-1991	1,153891E+22	1,527746E+22	1,759105E+22	1,759123E+22	1,527808E+22	1,153961E+22	7,518756E+21	4,293072E+21	2,585691E+21	2,585640E+21	4,292951E+21	7,518748E+21
-1990	1,153974E+22	1,527804E+22	1,759100E+22	1,759089E+22	1,527765E+22	1,153920E+22	7,518417E+21	4,292899E+21	2,585747E+21	2,585887E+21	4,293265E+21	7,518790E+21
-1989	1,153930E+22	1,527725E+22	1,758995E+22	1,759002E+22	1,527744E+22	1,153951E+22	7,518922E+21	4,293322E+21	2,585966E+21	2,585888E+21	4,293047E+21	7,518429E+21
-1988	1,153903E+22	1,527751E+22	1,759072E+22	1,759059E+22	1,527748E+22	1,153928E+22	7,518730E+21	4,293282E+21	2,586036E+21	2,586036E+21	4,293310E+21	7,518908E+21
-1987	1,153956E+22	1,527760E+22	1,759040E+22	1,759019E+22	1,527714E+22	1,153902E+22	7,518542E+21	4,293161E+21	2,586004E+21	2,586083E+21	4,293330E+21	7,518627E+21
-1986	1,153888E+22	1,527676E+22	1,758985E+22	1,759030E+22	1,527764E+22	1,153951E+22	7,518903E+21	4,293378E+21	2,586032E+21	2,585922E+21	4,293079E+21	7,518542E+21
-1985	1,153930E+22	1,527778E+22	1,759087E+22	1,759079E+22	1,527764E+22	1,153921E+22	7,518464E+21	4,292971E+21	2,585785E+21	2,585868E+21	4,293286E+21	7,519024E+21
-1984	1,153968E+22	1,527765E+22	1,759035E+22	1,759018E+22	1,527736E+22	1,153928E+22	7,518569E+21	4,292923E+21	2,585618E+21	2,585633E+21	4,292909E+21	7,518433E+21
-1983	1,153904E+22	1,527739E+22	1,759084E+22	1,759102E+22	1,527794E+22	1,153958E+22	7,518761E+21	4,293000E+21	2,585524E+21	2,585396E+21	4,292646E+21	7,518471E+21
-1982	1,153978E+22	1,527851E+22	1,759165E+22	1,759146E+22	1,527798E+22	1,153924E+22	7,518217E+21	4,292521E+21	2,585256E+21	2,585350E+21	4,292784E+21	7,518522E+21
-1981	1,153943E+22	1,527797E+22	1,759108E+22	1,759104E+22	1,527804E+22	1,153957E+22	7,518513E+21	4,292619E+21	2,585160E+21	2,585098E+21	4,292396E+21	7,518075E+21
-1980	1,153902E+22	1,527796E+22	1,759182E+22	1,759192E+22	1,527846E+22	1,153963E+22	7,518441E+21	4,292543E+21	2,585102E+21	2,585077E+21	4,292502E+21	7,518523E+21
-1979	1,153977E+22	1,527837E+22	1,759172E+22	1,759165E+22	1,527816E+22	1,153934E+22	7,518157E+21	4,292302E+21	2,584983E+21	2,585102E+21	4,292594E+21	7,518409E+21
-1978	1,153933E+22	1,527768E+22	1,759093E+22	1,759133E+22	1,527842E+22	1,153979E+22	7,518599E+21	4,292619E+21	2,585098E+21	2,585004E+21	4,292335E+21	7,518173E+21
-1977	1,153945E+22	1,527847E+22	1,759187E+22	1,759167E+22	1,527826E+22	1,153950E+22	7,518352E+21	4,292512E+21	2,585144E+21	2,585180E+21	4,292671E+21	7,518701E+21
-1976	1,153985E+22	1,527834E+22	1,759131E+22	1,759090E+22	1,527761E+22	1,153921E+22	7,518330E+21	4,292599E+21	2,585286E+21	2,585347E+21	4,292703E+21	7,518323E+21
-1975	1,153902E+22	1,527742E+22	1,759095E+22	1,759120E+22	1,527801E+22	1,153952E+22	7,518704E+21	4,293014E+21	2,585594E+21	2,585498E+21	4,292730E+21	7,518399E+21
-1974	1,153948E+22	1,527811E+22	1,759127E+22	1,759121E+22	1,527786E+22	1,153920E+22	7,518327E+21	4,292832E+21	2,585697E+21	2,585837E+21	4,293264E+21	7,518873E+21
-1973	1,153943E+22	1,527748E+22	1,759019E+22	1,759007E+22	1,527734E+22	1,153931E+22	7,518683E+21	4,293146E+21	2,585910E+21	2,585938E+21	4,293173E+21	7,518538E+21
-1972	1,153887E+22	1,527698E+22	1,759025E+22	1,759039E+22	1,527752E+22	1,153945E+22	7,518928E+21	4,293460E+21	2,586180E+21	2,586130E+21	4,293314E+21	7,518832E+21
-1971	1,153953E+22	1,527752E+22	1,759022E+22	1,758999E+22	1,527698E+22	1,153898E+22	7,518624E+21	4,293359E+21	2,586278E+21	2,586392E+21	4,293647E+21	7,518895E+21
-1970	1,153905E+22	1,527668E+22	1,758924E+22	1,758940E+22	1,527700E+22	1,153931E+22	7,519058E+21	4,293735E+21	2,586486E+21	2,586392E+21	4,293418E+21	7,518515E+21
-1969	1,153877E+22	1,527693E+22	1,758999E+22	1,758997E+22	1,527711E+22	1,153918E+22	7,518896E+21	4,293671E+21	2,586521E+21	2,586514E+21	4,293707E+21	7,519098E+21
-1968	1,153942E+22	1,527709E+22	1,758961E+22	1,758937E+22	1,527659E+22	1,153883E+22	7,518652E+21	4,293490E+21	2,586441E+21	2,586544E+21	4,293749E+21	7,518878E+21
-1967	1,153882E+22	1,527632E+22	1,758920E+22	1,758963E+22	1,527712E+22	1,153933E+22	7,519041E+21	4,293694E+21	2,586414E+21	2,586307E+21	4,293390E+21	7,518695E+21
-1966	1,153925E+22	1,527741E+22	1,759022E+22	1,759016E+22	1,527725E+22	1,153913E+22	7,518631E+21	4,293304E+21	2,586180E+21	2,586252E+21	4,293573E+21	7,519095E+21
-1965	1,153956E+22	1,527747E+22	1,759001E+22	1,758963E+22	1,527687E+22	1,153909E+22	7,518674E+21	4,293220E+21	2,585986E+21	2,585989E+21	4,293168E+21	7,518489E+21
-1964	1,153887E+22	1,527703E+22	1,759043E+22	1,759061E+22	1,527757E+22	1,153941E+22	7,518842E+21	4,293290E+21	2,585917E+21	2,585800E+21	4,292939E+21	7,518459E+21
-1963	1,153942E+22	1,527789E+22	1,759098E+22	1,759091E+22	1,527763E+22	1,153911E+22	7,518355E+21	4,292869E+21	2,585693E+21	2,585796E+21	4,293170E+21	7,518682E+21
-1962	1,153921E+22	1,527732E+22	1,759026E+22	1,759046E+22	1,527776E+22	1,153950E+22	7,518652E+21	4,292948E+21	2,585590E+21	2,585539E+21	4,292768E+21	7,518268E+21
-1961	1,153891E+22	1,527742E+22	1,759096E+22	1,759115E+22	1,527805E+22	1,153960E+22	7,518666E+21	4,292923E+21	2,585540E+21	2,585502E+21	4,292862E+21	7,518747E+21
-1960	1,153978E+22	1,527801E+22	1,759093E+22	1,759070E+22	1,527745E+22	1,153909E+22	7,518303E+21	4,292688E+21	2,585454E+21	2,585567E+21	4,292980E+21	7,518604E+21
-1959	1,153927E+22	1,527735E+22	1,759035E+22	1,759058E+22	1,527770E+22	1,153947E+22	7,518724E+21	4,293010E+21	2,585581E+21	2,585479E+21	4,292684E+21	7,518255E+21
-1958	1,153923E+22	1,527799E+22	1,759124E+22	1,759108E+22	1,527779E+22	1,153929E+22	7,518480E+21	4,292917E+21	2,585672E+21	2,585720E+21	4,293099E+21	7,518809E+21
-1957	1,153960E+22	1,527790E+22	1,759075E+22	1,759029E+22	1,527714E+22	1,153899E+22	7,518410E+21	4,292946E+21	2,585775E+21	2,585866E+21	4,293151E+21	7,518534E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1956	1,153886E+22	1,527685E+22	1,759019E+22	1,759052E+22	1,527759E+22	1,153942E+22	7,518854E+21	4,293372E+21	2,586083E+21	2,586019E+21	4,293155E+21	7,518547E+21
-1955	1,153924E+22	1,527744E+22	1,759033E+22	1,759035E+22	1,527735E+22	1,153912E+22	7,518590E+21	4,293294E+21	2,586226E+21	2,586357E+21	4,293691E+21	7,519076E+21
-1954	1,153930E+22	1,527689E+22	1,758928E+22	1,758925E+22	1,527686E+22	1,153920E+22	7,518922E+21	4,293618E+21	2,586456E+21	2,586451E+21	4,293541E+21	7,518645E+21
-1953	1,153870E+22	1,527648E+22	1,758944E+22	1,758955E+22	1,527695E+22	1,153932E+22	7,519192E+21	4,293956E+21	2,586740E+21	2,586651E+21	4,293708E+21	7,518958E+21
-1952	1,153930E+22	1,527698E+22	1,758943E+22	1,758911E+22	1,527625E+22	1,153864E+22	7,518745E+21	4,293801E+21	2,586839E+21	2,586956E+21	4,294119E+21	7,519092E+21
-1951	1,153883E+22	1,527608E+22	1,758849E+22	1,758868E+22	1,527640E+22	1,153902E+22	7,519146E+21	4,294103E+21	2,586981E+21	2,586910E+21	4,293860E+21	7,518724E+21
-1950	1,153861E+22	1,527636E+22	1,758918E+22	1,758925E+22	1,527668E+22	1,153905E+22	7,519023E+21	4,294010E+21	2,586977E+21	2,586997E+21	4,294129E+21	7,519313E+21
-1949	1,153937E+22	1,527680E+22	1,758903E+22	1,758867E+22	1,527607E+22	1,153864E+22	7,518747E+21	4,293772E+21	2,586813E+21	2,586924E+21	4,294066E+21	7,519066E+21
-1948	1,153884E+22	1,527609E+22	1,758871E+22	1,758906E+22	1,527670E+22	1,153918E+22	7,519145E+21	4,293977E+21	2,586780E+21	2,586666E+21	4,293627E+21	7,518690E+21
-1947	1,153903E+22	1,527704E+22	1,758971E+22	1,758960E+22	1,527683E+22	1,153900E+22	7,518807E+21	4,293666E+21	2,586591E+21	2,586635E+21	4,293842E+21	7,519117E+21
-1946	1,153927E+22	1,527694E+22	1,758946E+22	1,758930E+22	1,527666E+22	1,153899E+22	7,518804E+21	4,293557E+21	2,586404E+21	2,586393E+21	4,293460E+21	7,518536E+21
-1945	1,153861E+22	1,527646E+22	1,758971E+22	1,759010E+22	1,527734E+22	1,153941E+22	7,519032E+21	4,293635E+21	2,586330E+21	2,586213E+21	4,293306E+21	7,518644E+21
-1944	1,153923E+22	1,527731E+22	1,759012E+22	1,759009E+22	1,527709E+22	1,153895E+22	7,518492E+21	4,293199E+21	2,586110E+21	2,586233E+21	4,293578E+21	7,518944E+21
-1943	1,153915E+22	1,527686E+22	1,758950E+22	1,758967E+22	1,527716E+22	1,153930E+22	7,518799E+21	4,293281E+21	2,585996E+21	2,585954E+21	4,293119E+21	7,518463E+21
-1942	1,153890E+22	1,527709E+22	1,759024E+22	1,759034E+22	1,527748E+22	1,153941E+22	7,518815E+21	4,293290E+21	2,585993E+21	2,585952E+21	4,293212E+21	7,518857E+21
-1941	1,153969E+22	1,527783E+22	1,759048E+22	1,758999E+22	1,527680E+22	1,153878E+22	7,518378E+21	4,293028E+21	2,585902E+21	2,586016E+21	4,293332E+21	7,518735E+21
-1940	1,153913E+22	1,527697E+22	1,758986E+22	1,759009E+22	1,527725E+22	1,153921E+22	7,518769E+21	4,293345E+21	2,586063E+21	2,585980E+21	4,293066E+21	7,518324E+21
-1939	1,153890E+22	1,527734E+22	1,759045E+22	1,759043E+22	1,527739E+22	1,153916E+22	7,518644E+21	4,293327E+21	2,586195E+21	2,586252E+21	4,293549E+21	7,519010E+21
-1938	1,153936E+22	1,527718E+22	1,758985E+22	1,758966E+22	1,527682E+22	1,153894E+22	7,518620E+21	4,293369E+21	2,586299E+21	2,586388E+21	4,293568E+21	7,518723E+21
-1937	1,153872E+22	1,527626E+22	1,758923E+22	1,758965E+22	1,527712E+22	1,153940E+22	7,519166E+21	4,293863E+21	2,586624E+21	2,586530E+21	4,293566E+21	7,518730E+21
-1936	1,153908E+22	1,527692E+22	1,758942E+22	1,758930E+22	1,527658E+22	1,153887E+22	7,518817E+21	4,293793E+21	2,586805E+21	2,586909E+21	4,294116E+21	7,519230E+21
-1935	1,153910E+22	1,527639E+22	1,758854E+22	1,758840E+22	1,527611E+22	1,153890E+22	7,519102E+21	4,294088E+21	2,587027E+21	2,587010E+21	4,293959E+21	7,518750E+21
-1934	1,153843E+22	1,527589E+22	1,758863E+22	1,758881E+22	1,527642E+22	1,153909E+22	7,519325E+21	4,294390E+21	2,587307E+21	2,587231E+21	4,294180E+21	7,519110E+21
-1933	1,153907E+22	1,527652E+22	1,758875E+22	1,758839E+22	1,527572E+22	1,153839E+22	7,518807E+21	4,294131E+21	2,587311E+21	2,587461E+21	4,294575E+21	7,519366E+21
-1932	1,153875E+22	1,527562E+22	1,758780E+22	1,758804E+22	1,527597E+22	1,153885E+22	7,519217E+21	4,294394E+21	2,587402E+21	2,587359E+21	4,294232E+21	7,518893E+21
-1931	1,153847E+22	1,527588E+22	1,758844E+22	1,758856E+22	1,527626E+22	1,153895E+22	7,519214E+21	4,294375E+21	2,587400E+21	2,587406E+21	4,294462E+21	7,519484E+21
-1930	1,153929E+22	1,527640E+22	1,758842E+22	1,758816E+22	1,527576E+22	1,153857E+22	7,518932E+21	4,294135E+21	2,587230E+21	2,587306E+21	4,294318E+21	7,519102E+21
-1929	1,153867E+22	1,527574E+22	1,758816E+22	1,758851E+22	1,527634E+22	1,153913E+22	7,519379E+21	4,294371E+21	2,587209E+21	2,587061E+21	4,293920E+21	7,518740E+21
-1928	1,153872E+22	1,527652E+22	1,758907E+22	1,758897E+22	1,527634E+22	1,153878E+22	7,518926E+21	4,294029E+21	2,587042E+21	2,587085E+21	4,294214E+21	7,519258E+21
-1927	1,153903E+22	1,527636E+22	1,758872E+22	1,758863E+22	1,527620E+22	1,153881E+22	7,518907E+21	4,293863E+21	2,586815E+21	2,586826E+21	4,293834E+21	7,518723E+21
-1926	1,153846E+22	1,527591E+22	1,758884E+22	1,758933E+22	1,527691E+22	1,153929E+22	7,519166E+21	4,293947E+21	2,586736E+21	2,586641E+21	4,293683E+21	7,518858E+21
-1925	1,153921E+22	1,527706E+22	1,758950E+22	1,758931E+22	1,527648E+22	1,153869E+22	7,518563E+21	4,293473E+21	2,586471E+21	2,586603E+21	4,293898E+21	7,519160E+21
-1924	1,153919E+22	1,527667E+22	1,758901E+22	1,758902E+22	1,527660E+22	1,153902E+22	7,518840E+21	4,293567E+21	2,586388E+21	2,586341E+21	4,293385E+21	7,518495E+21
-1923	1,153869E+22	1,527674E+22	1,758975E+22	1,758977E+22	1,527700E+22	1,153919E+22	7,518945E+21	4,293664E+21	2,586450E+21	2,586394E+21	4,293541E+21	7,518934E+21
-1922	1,153942E+22	1,527731E+22	1,758992E+22	1,758963E+22	1,527656E+22	1,153865E+22	7,518502E+21	4,293401E+21	2,586384E+21	2,586490E+21	4,293681E+21	7,518814E+21
-1921	1,153886E+22	1,527640E+22	1,758910E+22	1,758950E+22	1,527699E+22	1,153922E+22	7,519011E+21	4,293765E+21	2,586563E+21	2,586479E+21	4,293496E+21	7,518517E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1920	1,153863E+22	1,527666E+22	1,758951E+22	1,758957E+22	1,527685E+22	1,153903E+22	7,518870E+21	4,293779E+21	2,586736E+21	2,586791E+21	4,294005E+21	7,519250E+21
-1919	1,153922E+22	1,527658E+22	1,758891E+22	1,758873E+22	1,527620E+22	1,153878E+22	7,518865E+21	4,293834E+21	2,586848E+21	2,586928E+21	4,293995E+21	7,518908E+21
-1918	1,153859E+22	1,527576E+22	1,758829E+22	1,758866E+22	1,527648E+22	1,153923E+22	7,519401E+21	4,294359E+21	2,587213E+21	2,587108E+21	4,294012E+21	7,518869E+21
-1917	1,153888E+22	1,527653E+22	1,758874E+22	1,758842E+22	1,527582E+22	1,153852E+22	7,518926E+21	4,294221E+21	2,587361E+21	2,587470E+21	4,294574E+21	7,519428E+21
-1916	1,153892E+22	1,527588E+22	1,758785E+22	1,758771E+22	1,527554E+22	1,153856E+22	7,519127E+21	4,294459E+21	2,587568E+21	2,587575E+21	4,294416E+21	7,518910E+21
-1915	1,153816E+22	1,527524E+22	1,758778E+22	1,758805E+22	1,527594E+22	1,153890E+22	7,519443E+21	4,294775E+21	2,587820E+21	2,587766E+21	4,294653E+21	7,519380E+21
-1914	1,153894E+22	1,527591E+22	1,758792E+22	1,758777E+22	1,527539E+22	1,153831E+22	7,518969E+21	4,294495E+21	2,587772E+21	2,587919E+21	4,294941E+21	7,519566E+21
-1913	1,153872E+22	1,527525E+22	1,758708E+22	1,758734E+22	1,527559E+22	1,153883E+22	7,519468E+21	4,294792E+21	2,587837E+21	2,587767E+21	4,294557E+21	7,519041E+21
-1912	1,153834E+22	1,527549E+22	1,758777E+22	1,758777E+22	1,527566E+22	1,153875E+22	7,519397E+21	4,294778E+21	2,587858E+21	2,587829E+21	4,294757E+21	7,519553E+21
-1911	1,153908E+22	1,527597E+22	1,758787E+22	1,758756E+22	1,527527E+22	1,153839E+22	7,519090E+21	4,294501E+21	2,587673E+21	2,587735E+21	4,294618E+21	7,519132E+21
-1910	1,153839E+22	1,527523E+22	1,758748E+22	1,758792E+22	1,527598E+22	1,153900E+22	7,519504E+21	4,294713E+21	2,587650E+21	2,587514E+21	4,294284E+21	7,518835E+21
-1909	1,153847E+22	1,527606E+22	1,758842E+22	1,758829E+22	1,527588E+22	1,153859E+22	7,518984E+21	4,294288E+21	2,587411E+21	2,587483E+21	4,294575E+21	7,519482E+21
-1908	1,153896E+22	1,527593E+22	1,758807E+22	1,758801E+22	1,527577E+22	1,153862E+22	7,518948E+21	4,294111E+21	2,587171E+21	2,587200E+21	4,294143E+21	7,518879E+21
-1907	1,153837E+22	1,527551E+22	1,758814E+22	1,758860E+22	1,527643E+22	1,153913E+22	7,519303E+21	4,294272E+21	2,587121E+21	2,587016E+21	4,293988E+21	7,519025E+21
-1906	1,153915E+22	1,527671E+22	1,758896E+22	1,758878E+22	1,527610E+22	1,153855E+22	7,518708E+21	4,293822E+21	2,586886E+21	2,586987E+21	4,294154E+21	7,519215E+21
-1905	1,153905E+22	1,527637E+22	1,758856E+22	1,758851E+22	1,527621E+22	1,153889E+22	7,519021E+21	4,293958E+21	2,586842E+21	2,586779E+21	4,293729E+21	7,518580E+21
-1904	1,153837E+22	1,527617E+22	1,758908E+22	1,758915E+22	1,527653E+22	1,153896E+22	7,519059E+21	4,294061E+21	2,586964E+21	2,586910E+21	4,293961E+21	7,519101E+21
-1903	1,153917E+22	1,527666E+22	1,758909E+22	1,758891E+22	1,527614E+22	1,153854E+22	7,518671E+21	4,293785E+21	2,586893E+21	2,587021E+21	4,294123E+21	7,519020E+21
-1902	1,153868E+22	1,527578E+22	1,758813E+22	1,758860E+22	1,527651E+22	1,153915E+22	7,519242E+21	4,294203E+21	2,587101E+21	2,587030E+21	4,293952E+21	7,518731E+21
-1901	1,153852E+22	1,527622E+22	1,758868E+22	1,758860E+22	1,527618E+22	1,153881E+22	7,519040E+21	4,294198E+21	2,587251E+21	2,587305E+21	4,294419E+21	7,519465E+21
-1900	1,153914E+22	1,527619E+22	1,758819E+22	1,758788E+22	1,527554E+22	1,153848E+22	7,518970E+21	4,294255E+21	2,587391E+21	2,587460E+21	4,294380E+21	7,518995E+21
-1899	1,153832E+22	1,527522E+22	1,758755E+22	1,758787E+22	1,527587E+22	1,153896E+22	7,519554E+21	4,294815E+21	2,587780E+21	2,587670E+21	4,294463E+21	7,519045E+21
-1898	1,153863E+22	1,527588E+22	1,758799E+22	1,758784E+22	1,527543E+22	1,153833E+22	7,519053E+21	4,294632E+21	2,587899E+21	2,588011E+21	4,295005E+21	7,519609E+21
-1897	1,153873E+22	1,527533E+22	1,758706E+22	1,758700E+22	1,527515E+22	1,153850E+22	7,519333E+21	4,294865E+21	2,588064E+21	2,588084E+21	4,294871E+21	7,519155E+21
-1896	1,153799E+22	1,527466E+22	1,758693E+22	1,758721E+22	1,527538E+22	1,153873E+22	7,519623E+21	4,295184E+21	2,588320E+21	2,588261E+21	4,295063E+21	7,519614E+21
-1895	1,153889E+22	1,527547E+22	1,758714E+22	1,758694E+22	1,527486E+22	1,153819E+22	7,519181E+21	4,294896E+21	2,588249E+21	2,588378E+21	4,295272E+21	7,519668E+21
-1894	1,153859E+22	1,527488E+22	1,758639E+22	1,758655E+22	1,527508E+22	1,153871E+22	7,519683E+21	4,295215E+21	2,588329E+21	2,588236E+21	4,294886E+21	7,519085E+21
-1893	1,153811E+22	1,527514E+22	1,758727E+22	1,758714E+22	1,527510E+22	1,153848E+22	7,519486E+21	4,295123E+21	2,588301E+21	2,588271E+21	4,295097E+21	7,519654E+21
-1892	1,153885E+22	1,527546E+22	1,758728E+22	1,758703E+22	1,527487E+22	1,153813E+22	7,519096E+21	4,294788E+21	2,588093E+21	2,588169E+21	4,294964E+21	7,519232E+21
-1891	1,153811E+22	1,527461E+22	1,758671E+22	1,758723E+22	1,527559E+22	1,153888E+22	7,519611E+21	4,295009E+21	2,588043E+21	2,587928E+21	4,294662E+21	7,519071E+21
-1890	1,153837E+22	1,527551E+22	1,758768E+22	1,758770E+22	1,527554E+22	1,153850E+22	7,519116E+21	4,294579E+21	2,587773E+21	2,587841E+21	4,294857E+21	7,519642E+21
-1889	1,153895E+22	1,527565E+22	1,758748E+22	1,758734E+22	1,527535E+22	1,153854E+22	7,519133E+21	4,294444E+21	2,587540E+21	2,587554E+21	4,294431E+21	7,519004E+21
-1888	1,153825E+22	1,527519E+22	1,758762E+22	1,758791E+22	1,527585E+22	1,153888E+22	7,519412E+21	4,294627E+21	2,587557E+21	2,587429E+21	4,294286E+21	7,519111E+21
-1887	1,153898E+22	1,527631E+22	1,758845E+22	1,758822E+22	1,527566E+22	1,153837E+22	7,518832E+21	4,294174E+21	2,587342E+21	2,587443E+21	4,294488E+21	7,519279E+21
-1886	1,153880E+22	1,527586E+22	1,758790E+22	1,758793E+22	1,527589E+22	1,153881E+22	7,519167E+21	4,294326E+21	2,587327E+21	2,587286E+21	4,294145E+21	7,518728E+21
-1885	1,153816E+22	1,527566E+22	1,758836E+22	1,758843E+22	1,527606E+22	1,153881E+22	7,519179E+21	4,294393E+21	2,587414E+21	2,587391E+21	4,294382E+21	7,519337E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1884	1,153906E+22	1,527614E+22	1,758832E+22	1,758817E+22	1,527567E+22	1,153837E+22	7,518793E+21	4,294149E+21	2,587368E+21	2,587502E+21	4,294508E+21	7,519190E+21
-1883	1,153854E+22	1,527527E+22	1,758727E+22	1,758767E+22	1,527594E+22	1,153901E+22	7,519464E+21	4,294650E+21	2,587623E+21	2,587541E+21	4,294363E+21	7,518923E+21
-1882	1,153838E+22	1,527568E+22	1,758793E+22	1,758784E+22	1,527563E+22	1,153863E+22	7,519247E+21	4,294661E+21	2,587800E+21	2,587824E+21	4,294789E+21	7,519562E+21
-1881	1,153895E+22	1,527572E+22	1,758753E+22	1,758717E+22	1,527500E+22	1,153829E+22	7,519171E+21	4,294730E+21	2,587958E+21	2,588025E+21	4,294851E+21	7,519169E+21
-1880	1,153802E+22	1,527453E+22	1,758669E+22	1,758703E+22	1,527524E+22	1,153865E+22	7,519655E+21	4,295255E+21	2,588365E+21	2,588263E+21	4,294960E+21	7,519292E+21
-1879	1,153845E+22	1,527521E+22	1,758706E+22	1,758696E+22	1,527490E+22	1,153819E+22	7,519222E+21	4,295040E+21	2,588440E+21	2,588571E+21	4,295470E+21	7,519841E+21
-1878	1,153863E+22	1,527481E+22	1,758619E+22	1,758611E+22	1,527462E+22	1,153838E+22	7,519543E+21	4,295293E+21	2,588590E+21	2,588613E+21	4,295290E+21	7,519339E+21
-1877	1,153792E+22	1,527432E+22	1,758623E+22	1,758635E+22	1,527474E+22	1,153850E+22	7,519768E+21	4,295568E+21	2,588794E+21	2,588723E+21	4,295405E+21	7,519735E+21
-1876	1,153877E+22	1,527513E+22	1,758660E+22	1,758630E+22	1,527435E+22	1,153795E+22	7,519274E+21	4,295268E+21	2,588723E+21	2,588827E+21	4,295570E+21	7,519667E+21
-1875	1,153827E+22	1,527434E+22	1,758578E+22	1,758596E+22	1,527466E+22	1,153855E+22	7,519825E+21	4,295592E+21	2,588796E+21	2,588699E+21	4,295250E+21	7,519189E+21
-1874	1,153781E+22	1,527444E+22	1,758659E+22	1,758668E+22	1,527484E+22	1,153840E+22	7,519614E+21	4,295448E+21	2,588720E+21	2,588692E+21	4,295430E+21	7,519770E+21
-1873	1,153865E+22	1,527492E+22	1,758658E+22	1,758643E+22	1,527455E+22	1,153811E+22	7,519278E+21	4,295105E+21	2,588470E+21	2,588567E+21	4,295341E+21	7,519446E+21
-1872	1,153797E+22	1,527407E+22	1,758592E+22	1,758643E+22	1,527505E+22	1,153869E+22	7,519735E+21	4,295331E+21	2,588438E+21	2,588323E+21	4,295001E+21	7,519291E+21
-1871	1,153839E+22	1,527516E+22	1,758700E+22	1,758690E+22	1,527503E+22	1,153838E+22	7,519274E+21	4,294905E+21	2,588173E+21	2,588233E+21	4,295149E+21	7,519747E+21
-1870	1,153890E+22	1,527540E+22	1,758697E+22	1,758666E+22	1,527484E+22	1,153837E+22	7,519285E+21	4,294803E+21	2,587979E+21	2,587987E+21	4,294746E+21	7,519072E+21
-1869	1,153811E+22	1,527490E+22	1,758720E+22	1,758736E+22	1,527534E+22	1,153860E+22	7,519454E+21	4,294931E+21	2,587980E+21	2,587869E+21	4,294639E+21	7,519237E+21
-1868	1,153880E+22	1,527584E+22	1,758789E+22	1,758773E+22	1,527533E+22	1,153816E+22	7,518850E+21	4,294469E+21	2,587777E+21	2,587893E+21	4,294849E+21	7,519397E+21
-1867	1,153855E+22	1,527525E+22	1,758712E+22	1,758723E+22	1,527553E+22	1,153874E+22	7,519336E+21	4,294676E+21	2,587775E+21	2,587754E+21	4,294560E+21	7,518973E+21
-1866	1,153804E+22	1,527503E+22	1,758756E+22	1,758775E+22	1,527567E+22	1,153876E+22	7,519400E+21	4,294785E+21	2,587872E+21	2,587834E+21	4,294718E+21	7,519472E+21
-1865	1,153897E+22	1,527573E+22	1,758759E+22	1,758735E+22	1,527513E+22	1,153828E+22	7,519053E+21	4,294597E+21	2,587862E+21	2,587978E+21	4,294887E+21	7,519310E+21
-1864	1,153831E+22	1,527474E+22	1,758654E+22	1,758679E+22	1,527521E+22	1,153872E+22	7,519632E+21	4,295123E+21	2,588196E+21	2,588091E+21	4,294776E+21	7,519057E+21
-1863	1,153817E+22	1,527511E+22	1,758714E+22	1,758700E+22	1,527504E+22	1,153841E+22	7,519402E+21	4,295108E+21	2,588382E+21	2,588410E+21	4,295239E+21	7,519685E+21
-1862	1,153869E+22	1,527509E+22	1,758667E+22	1,758635E+22	1,527449E+22	1,153812E+22	7,519331E+21	4,295170E+21	2,588538E+21	2,588626E+21	4,295349E+21	7,519383E+21
-1861	1,153786E+22	1,527399E+22	1,758588E+22	1,758619E+22	1,527465E+22	1,153842E+22	7,519757E+21	4,295624E+21	2,588876E+21	2,588804E+21	4,295431E+21	7,519568E+21
-1860	1,153840E+22	1,527471E+22	1,758628E+22	1,758618E+22	1,527438E+22	1,153797E+22	7,519335E+21	4,295426E+21	2,588940E+21	2,589065E+21	4,295852E+21	7,519991E+21
-1859	1,153849E+22	1,527434E+22	1,758544E+22	1,758529E+22	1,527410E+22	1,153827E+22	7,519761E+21	4,295724E+21	2,589096E+21	2,589104E+21	4,295671E+21	7,519483E+21
-1858	1,153774E+22	1,527380E+22	1,758563E+22	1,758577E+22	1,527429E+22	1,153836E+22	7,519971E+21	4,295989E+21	2,589287E+21	2,589188E+21	4,295721E+21	7,519751E+21
-1857	1,153849E+22	1,527463E+22	1,758601E+22	1,758574E+22	1,527396E+22	1,153783E+22	7,519465E+21	4,295670E+21	2,589198E+21	2,589308E+21	4,295973E+21	7,519780E+21
-1856	1,153793E+22	1,527363E+22	1,758496E+22	1,758522E+22	1,527416E+22	1,153835E+22	7,519928E+21	4,295951E+21	2,589270E+21	2,589186E+21	4,295673E+21	7,519418E+21
-1855	1,153768E+22	1,527381E+22	1,758566E+22	1,758581E+22	1,527438E+22	1,153833E+22	7,519767E+21	4,295769E+21	2,589143E+21	2,589134E+21	4,295807E+21	7,519974E+21
-1854	1,153861E+22	1,527450E+22	1,758580E+22	1,758560E+22	1,527404E+22	1,153799E+22	7,519450E+21	4,295447E+21	2,588881E+21	2,588977E+21	4,295676E+21	7,519628E+21
-1853	1,153802E+22	1,527388E+22	1,758540E+22	1,758569E+22	1,527441E+22	1,153840E+22	7,519791E+21	4,295613E+21	2,588808E+21	2,588692E+21	4,295285E+21	7,519415E+21
-1852	1,153836E+22	1,527496E+22	1,758665E+22	1,758642E+22	1,527454E+22	1,153809E+22	7,519300E+21	4,295198E+21	2,588565E+21	2,588608E+21	4,295407E+21	7,519756E+21
-1851	1,153866E+22	1,527501E+22	1,758654E+22	1,758623E+22	1,527452E+22	1,153823E+22	7,519387E+21	4,295113E+21	2,588385E+21	2,588403E+21	4,295088E+21	7,519182E+21
-1850	1,153785E+22	1,527431E+22	1,758664E+22	1,758698E+22	1,527513E+22	1,153856E+22	7,519601E+21	4,295241E+21	2,588377E+21	2,588269E+21	4,294951E+21	7,519318E+21
-1849	1,153859E+22	1,527534E+22	1,758724E+22	1,758717E+22	1,527505E+22	1,153819E+22	7,519089E+21	4,294829E+21	2,588189E+21	2,588317E+21	4,295224E+21	7,519563E+21



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1848	1,153836E+22	1,527463E+22	1,758624E+22	1,758638E+22	1,527495E+22	1,153859E+22	7,519539E+21	4,295097E+21	2,588265E+21	2,588227E+21	4,294938E+21	7,519159E+21
-1847	1,153796E+22	1,527451E+22	1,758665E+22	1,758678E+22	1,527508E+22	1,153866E+22	7,519641E+21	4,295241E+21	2,588408E+21	2,588350E+21	4,295097E+21	7,519564E+21
-1846	1,153878E+22	1,527526E+22	1,758687E+22	1,758650E+22	1,527447E+22	1,153806E+22	7,519261E+21	4,295086E+21	2,588451E+21	2,588558E+21	4,295332E+21	7,519444E+21
-1845	1,153810E+22	1,527423E+22	1,758582E+22	1,758599E+22	1,527449E+22	1,153832E+22	7,519676E+21	4,295522E+21	2,588758E+21	2,588681E+21	4,295274E+21	7,519279E+21
-1844	1,153800E+22	1,527452E+22	1,758634E+22	1,758627E+22	1,527450E+22	1,153811E+22	7,519434E+21	4,295481E+21	2,588924E+21	2,588977E+21	4,295719E+21	7,519900E+21
-1843	1,153850E+22	1,527447E+22	1,758578E+22	1,758550E+22	1,527398E+22	1,153799E+22	7,519495E+21	4,295565E+21	2,589057E+21	2,589170E+21	4,295830E+21	7,519662E+21
-1842	1,153778E+22	1,527343E+22	1,758510E+22	1,758547E+22	1,527418E+22	1,153832E+22	7,519972E+21	4,296038E+21	2,589369E+21	2,589281E+21	4,295785E+21	7,519687E+21
-1841	1,153829E+22	1,527435E+22	1,758564E+22	1,758547E+22	1,527390E+22	1,153790E+22	7,519599E+21	4,295877E+21	2,589441E+21	2,589547E+21	4,296219E+21	7,520067E+21
-1840	1,153820E+22	1,527376E+22	1,758474E+22	1,758456E+22	1,527351E+22	1,153805E+22	7,519950E+21	4,296184E+21	2,589640E+21	2,589624E+21	4,296057E+21	7,519588E+21
-1839	1,153749E+22	1,527316E+22	1,758479E+22	1,758503E+22	1,527386E+22	1,153827E+22	7,520154E+21	4,296401E+21	2,589806E+21	2,589710E+21	4,296130E+21	7,519847E+21
-1838	1,153820E+22	1,527400E+22	1,758518E+22	1,758499E+22	1,527352E+22	1,153774E+22	7,519647E+21	4,296056E+21	2,589683E+21	2,589806E+21	4,296397E+21	7,519989E+21
-1837	1,153782E+22	1,527314E+22	1,758418E+22	1,758441E+22	1,527357E+22	1,153810E+22	7,520004E+21	4,296244E+21	2,589671E+21	2,589615E+21	4,296063E+21	7,519679E+21
-1836	1,153771E+22	1,527348E+22	1,758498E+22	1,758509E+22	1,527384E+22	1,153806E+22	7,519826E+21	4,296064E+21	2,589523E+21	2,589504E+21	4,296097E+21	7,520099E+21
-1835	1,153856E+22	1,527424E+22	1,758525E+22	1,758494E+22	1,527356E+22	1,153783E+22	7,519587E+21	4,295768E+21	2,589266E+21	2,589352E+21	4,295970E+21	7,519747E+21
-1834	1,153791E+22	1,527359E+22	1,758508E+22	1,758534E+22	1,527404E+22	1,153823E+22	7,519908E+21	4,295925E+21	2,589189E+21	2,589054E+21	4,295533E+21	7,519424E+21
-1833	1,153813E+22	1,527460E+22	1,758625E+22	1,758608E+22	1,527428E+22	1,153799E+22	7,519438E+21	4,295518E+21	2,588956E+21	2,589010E+21	4,295744E+21	7,519827E+21
-1832	1,153831E+22	1,527434E+22	1,758582E+22	1,758567E+22	1,527415E+22	1,153811E+22	7,519512E+21	4,295448E+21	2,588820E+21	2,588845E+21	4,295465E+21	7,519374E+21
-1831	1,153771E+22	1,527371E+22	1,758571E+22	1,758617E+22	1,527473E+22	1,153856E+22	7,519810E+21	4,295603E+21	2,588824E+21	2,588724E+21	4,295317E+21	7,519451E+21
-1830	1,153843E+22	1,527482E+22	1,758638E+22	1,758630E+22	1,527451E+22	1,153810E+22	7,519334E+21	4,295260E+21	2,588681E+21	2,588791E+21	4,295584E+21	7,519709E+21
-1829	1,153829E+22	1,527426E+22	1,758553E+22	1,758551E+22	1,527422E+22	1,153827E+22	7,519647E+21	4,295488E+21	2,588764E+21	2,588723E+21	4,295328E+21	7,519316E+21
-1828	1,153784E+22	1,527411E+22	1,758600E+22	1,758605E+22	1,527442E+22	1,153828E+22	7,519700E+21	4,295641E+21	2,588935E+21	2,588870E+21	4,295495E+21	7,519662E+21
-1827	1,153851E+22	1,527469E+22	1,758613E+22	1,758581E+22	1,527398E+22	1,153784E+22	7,519373E+21	4,295480E+21	2,588981E+21	2,589114E+21	4,295822E+21	7,519679E+21
-1826	1,153789E+22	1,527361E+22	1,758510E+22	1,758539E+22	1,527408E+22	1,153818E+22	7,519806E+21	4,295887E+21	2,589249E+21	2,589193E+21	4,295706E+21	7,519479E+21
-1825	1,153785E+22	1,527402E+22	1,758559E+22	1,758558E+22	1,527407E+22	1,153804E+22	7,519657E+21	4,295883E+21	2,589410E+21	2,589484E+21	4,296165E+21	7,520113E+21
-1824	1,153833E+22	1,527388E+22	1,758490E+22	1,758465E+22	1,527340E+22	1,153783E+22	7,519719E+21	4,296029E+21	2,589603E+21	2,589697E+21	4,296240E+21	7,519853E+21
-1823	1,153770E+22	1,527296E+22	1,758421E+22	1,758453E+22	1,527364E+22	1,153827E+22	7,520248E+21	4,296531E+21	2,589940E+21	2,589825E+21	4,296169E+21	7,519734E+21
-1822	1,153800E+22	1,527384E+22	1,758493E+22	1,758470E+22	1,527333E+22	1,153774E+22	7,519857E+21	4,296393E+21	2,590037E+21	2,590114E+21	4,296635E+21	7,520173E+21
-1821	1,153795E+22	1,527317E+22	1,758395E+22	1,758381E+22	1,527290E+22	1,153773E+22	7,520030E+21	4,296580E+21	2,590174E+21	2,590175E+21	4,296524E+21	7,519804E+21
-1820	1,153730E+22	1,527255E+22	1,758391E+22	1,758426E+22	1,527333E+22	1,153800E+22	7,520214E+21	4,296746E+21	2,590277E+21	2,590196E+21	4,296551E+21	7,520058E+21
-1819	1,153805E+22	1,527345E+22	1,758433E+22	1,758417E+22	1,527302E+22	1,153760E+22	7,519789E+21	4,296386E+21	2,590101E+21	2,590242E+21	4,296795E+21	7,520251E+21
-1818	1,153779E+22	1,527277E+22	1,758358E+22	1,758377E+22	1,527308E+22	1,153793E+22	7,520131E+21	4,296551E+21	2,590040E+21	2,589966E+21	4,296319E+21	7,519769E+21
-1817	1,153766E+22	1,527333E+22	1,758461E+22	1,758459E+22	1,527342E+22	1,153792E+22	7,519980E+21	4,296389E+21	2,589898E+21	2,589868E+21	4,296368E+21	7,520131E+21
-1816	1,153831E+22	1,527383E+22	1,758478E+22	1,758447E+22	1,527312E+22	1,153762E+22	7,519689E+21	4,296112E+21	2,589693E+21	2,589758E+21	4,296260E+21	7,519805E+21
-1815	1,153768E+22	1,527307E+22	1,758439E+22	1,758481E+22	1,527381E+22	1,153821E+22	7,520054E+21	4,296256E+21	2,589617E+21	2,589484E+21	4,295860E+21	7,519472E+21
-1814	1,153781E+22	1,527402E+22	1,758555E+22	1,758550E+22	1,527399E+22	1,153798E+22	7,519643E+21	4,295879E+21	2,589392E+21	2,589446E+21	4,296099E+21	7,519995E+21
-1813	1,153817E+22	1,527381E+22	1,758502E+22	1,758492E+22	1,527363E+22	1,153791E+22	7,519628E+21	4,295768E+21	2,589233E+21	2,589276E+21	4,295844E+21	7,519607E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1812	1,153769E+22	1,527330E+22	1,758489E+22	1,758535E+22	1,527416E+22	1,153832E+22	7,519932E+21	4,295963E+21	2,589262E+21	2,589152E+21	4,295656E+21	7,519585E+21
-1811	1,153829E+22	1,527444E+22	1,758568E+22	1,758548E+22	1,527391E+22	1,153790E+22	7,519504E+21	4,295656E+21	2,589161E+21	2,589268E+21	4,295973E+21	7,519870E+21
-1810	1,153811E+22	1,527385E+22	1,758502E+22	1,758493E+22	1,527367E+22	1,153799E+22	7,519752E+21	4,295868E+21	2,589252E+21	2,589211E+21	4,295707E+21	7,519426E+21
-1809	1,153763E+22	1,527367E+22	1,758540E+22	1,758549E+22	1,527399E+22	1,153807E+22	7,519810E+21	4,296015E+21	2,589434E+21	2,589400E+21	4,295959E+21	7,519848E+21
-1808	1,153823E+22	1,527400E+22	1,758523E+22	1,758503E+22	1,527348E+22	1,153765E+22	7,519511E+21	4,295884E+21	2,589514E+21	2,589660E+21	4,296290E+21	7,519957E+21
-1807	1,153782E+22	1,527304E+22	1,758410E+22	1,758447E+22	1,527362E+22	1,153814E+22	7,520045E+21	4,296327E+21	2,589787E+21	2,589731E+21	4,296130E+21	7,519646E+21
-1806	1,153771E+22	1,527353E+22	1,758477E+22	1,758470E+22	1,527351E+22	1,153794E+22	7,519954E+21	4,296397E+21	2,589985E+21	2,590020E+21	4,296549E+21	7,520248E+21
-1805	1,153820E+22	1,527345E+22	1,758417E+22	1,758381E+22	1,527271E+22	1,153755E+22	7,519888E+21	4,296495E+21	2,590174E+21	2,590252E+21	4,296656E+21	7,519982E+21
-1804	1,153749E+22	1,527247E+22	1,758347E+22	1,758379E+22	1,527304E+22	1,153796E+22	7,520375E+21	4,296981E+21	2,590502E+21	2,590376E+21	4,296588E+21	7,519818E+21
-1803	1,153763E+22	1,527316E+22	1,758410E+22	1,758397E+22	1,527288E+22	1,153759E+22	7,520012E+21	4,296802E+21	2,590564E+21	2,590659E+21	4,297106E+21	7,520388E+21
-1802	1,153770E+22	1,527254E+22	1,758321E+22	1,758315E+22	1,527246E+22	1,153758E+22	7,520161E+21	4,296925E+21	2,590623E+21	2,590638E+21	4,296921E+21	7,520018E+21
-1801	1,153721E+22	1,527210E+22	1,758319E+22	1,758355E+22	1,527287E+22	1,153786E+22	7,520370E+21	4,297078E+21	2,590684E+21	2,590620E+21	4,296924E+21	7,520247E+21
-1800	1,153792E+22	1,527297E+22	1,758355E+22	1,758339E+22	1,527248E+22	1,153742E+22	7,519942E+21	4,296754E+21	2,590536E+21	2,590654E+21	4,297113E+21	7,520417E+21
-1799	1,153777E+22	1,527248E+22	1,758295E+22	1,758305E+22	1,527263E+22	1,153783E+22	7,520297E+21	4,296914E+21	2,590481E+21	2,590387E+21	4,296607E+21	7,519790E+21
-1798	1,153741E+22	1,527295E+22	1,758414E+22	1,758407E+22	1,527301E+22	1,153777E+22	7,520146E+21	4,296774E+21	2,590358E+21	2,590305E+21	4,296680E+21	7,520212E+21
-1797	1,153809E+22	1,527332E+22	1,758416E+22	1,758394E+22	1,527272E+22	1,153738E+22	7,519722E+21	4,296402E+21	2,590112E+21	2,590200E+21	4,296636E+21	7,519987E+21
-1796	1,153754E+22	1,527257E+22	1,758362E+22	1,758415E+22	1,527340E+22	1,153802E+22	7,520129E+21	4,296546E+21	2,590007E+21	2,589892E+21	4,296212E+21	7,519640E+21
-1795	1,153763E+22	1,527349E+22	1,758473E+22	1,758474E+22	1,527357E+22	1,153790E+22	7,519818E+21	4,296205E+21	2,589785E+21	2,589848E+21	4,296446E+21	7,520193E+21
-1794	1,153809E+22	1,527345E+22	1,758444E+22	1,758424E+22	1,527311E+22	1,153774E+22	7,519773E+21	4,296103E+21	2,589628E+21	2,589654E+21	4,296123E+21	7,519707E+21
-1793	1,153760E+22	1,527305E+22	1,758441E+22	1,758471E+22	1,527364E+22	1,153811E+22	7,520076E+21	4,296324E+21	2,589700E+21	2,589591E+21	4,295997E+21	7,519663E+21
-1792	1,153801E+22	1,527391E+22	1,758502E+22	1,758484E+22	1,527338E+22	1,153765E+22	7,519623E+21	4,296057E+21	2,589670E+21	2,589771E+21	4,296371E+21	7,520033E+21
-1791	1,153792E+22	1,527330E+22	1,758419E+22	1,758421E+22	1,527330E+22	1,153790E+22	7,519898E+21	4,296260E+21	2,589774E+21	2,589747E+21	4,296137E+21	7,519567E+21
-1790	1,153737E+22	1,527309E+22	1,758463E+22	1,758476E+22	1,527356E+22	1,153799E+22	7,520032E+21	4,296457E+21	2,589974E+21	2,589935E+21	4,296392E+21	7,520085E+21
-1789	1,153813E+22	1,527345E+22	1,758435E+22	1,758419E+22	1,527289E+22	1,153743E+22	7,519664E+21	4,296304E+21	2,590047E+21	2,590199E+21	4,296732E+21	7,520196E+21
-1788	1,153776E+22	1,527260E+22	1,758324E+22	1,758358E+22	1,527300E+22	1,153791E+22	7,520242E+21	4,296798E+21	2,590342E+21	2,590264E+21	4,296532E+21	7,519770E+21
-1787	1,153747E+22	1,527303E+22	1,758402E+22	1,758388E+22	1,527293E+22	1,153778E+22	7,520196E+21	4,296894E+21	2,590569E+21	2,590590E+21	4,296988E+21	7,520378E+21
-1786	1,153790E+22	1,527288E+22	1,758353E+22	1,758315E+22	1,527217E+22	1,153730E+22	7,520041E+21	4,296943E+21	2,590732E+21	2,590805E+21	4,297087E+21	7,520107E+21
-1785	1,153721E+22	1,527187E+22	1,758270E+22	1,758310E+22	1,527260E+22	1,153778E+22	7,520506E+21	4,297370E+21	2,591024E+21	2,590932E+21	4,297076E+21	7,520030E+21
-1784	1,153734E+22	1,527239E+22	1,758308E+22	1,758307E+22	1,527233E+22	1,153741E+22	7,520154E+21	4,297191E+21	2,591070E+21	2,591177E+21	4,297553E+21	7,520673E+21
-1783	1,153766E+22	1,527200E+22	1,758220E+22	1,758219E+22	1,527195E+22	1,153749E+22	7,520341E+21	4,297307E+21	2,591096E+21	2,591106E+21	4,297286E+21	7,520175E+21
-1782	1,153712E+22	1,527176E+22	1,758254E+22	1,758278E+22	1,527233E+22	1,153770E+22	7,520567E+21	4,297489E+21	2,591154E+21	2,591050E+21	4,297226E+21	7,520381E+21
-1781	1,153786E+22	1,527265E+22	1,758302E+22	1,758273E+22	1,527189E+22	1,153711E+22	7,520014E+21	4,297097E+21	2,590980E+21	2,591088E+21	4,297431E+21	7,520515E+21
-1780	1,153762E+22	1,527214E+22	1,758245E+22	1,758255E+22	1,527221E+22	1,153757E+22	7,520363E+21	4,297233E+21	2,590892E+21	2,590801E+21	4,296925E+21	7,519850E+21
-1779	1,153711E+22	1,527242E+22	1,758354E+22	1,758357E+22	1,527274E+22	1,153771E+22	7,520271E+21	4,297069E+21	2,590746E+21	2,590713E+21	4,297029E+21	7,520356E+21
-1778	1,153786E+22	1,527281E+22	1,758361E+22	1,758344E+22	1,527241E+22	1,153730E+22	7,519845E+21	4,296670E+21	2,590455E+21	2,590555E+21	4,296932E+21	7,520135E+21
-1777	1,153745E+22	1,527220E+22	1,758300E+22	1,758352E+22	1,527303E+22	1,153795E+22	7,520284E+21	4,296839E+21	2,590365E+21	2,590265E+21	4,296526E+21	7,519775E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1776	1,153747E+22	1,527298E+22	1,758396E+22	1,758394E+22	1,527305E+22	1,153776E+22	7,519994E+21	4,296581E+21	2,590220E+21	2,590257E+21	4,296750E+21	7,520329E+21
-1775	1,153801E+22	1,527309E+22	1,758374E+22	1,758347E+22	1,527264E+22	1,153761E+22	7,519954E+21	4,296510E+21	2,590116E+21	2,590125E+21	4,296461E+21	7,519766E+21
-1774	1,153734E+22	1,527260E+22	1,758386E+22	1,758411E+22	1,527314E+22	1,153789E+22	7,520227E+21	4,296756E+21	2,590230E+21	2,590104E+21	4,296396E+21	7,519832E+21
-1773	1,153781E+22	1,527331E+22	1,758426E+22	1,758413E+22	1,527286E+22	1,153737E+22	7,519673E+21	4,296417E+21	2,590184E+21	2,590315E+21	4,296844E+21	7,520298E+21
-1772	1,153783E+22	1,527278E+22	1,758335E+22	1,758339E+22	1,527276E+22	1,153767E+22	7,520012E+21	4,296631E+21	2,590266E+21	2,590265E+21	4,296579E+21	7,519791E+21
-1771	1,153722E+22	1,527255E+22	1,758376E+22	1,758390E+22	1,527305E+22	1,153789E+22	7,520247E+21	4,296877E+21	2,590485E+21	2,590449E+21	4,296805E+21	7,520273E+21
-1770	1,153800E+22	1,527305E+22	1,758374E+22	1,758345E+22	1,527235E+22	1,153726E+22	7,519856E+21	4,296741E+21	2,590568E+21	2,590696E+21	4,297090E+21	7,520296E+21
-1769	1,153759E+22	1,527222E+22	1,758265E+22	1,758287E+22	1,527246E+22	1,153772E+22	7,520426E+21	4,297244E+21	2,590895E+21	2,590817E+21	4,296950E+21	7,519847E+21
-1768	1,153707E+22	1,527225E+22	1,758313E+22	1,758311E+22	1,527242E+22	1,153759E+22	7,520377E+21	4,297369E+21	2,591158E+21	2,591172E+21	4,297448E+21	7,520550E+21
-1767	1,153764E+22	1,527217E+22	1,758252E+22	1,758229E+22	1,527175E+22	1,153722E+22	7,520229E+21	4,297380E+21	2,591294E+21	2,591380E+21	4,297561E+21	7,520295E+21
-1766	1,153696E+22	1,527122E+22	1,758181E+22	1,758222E+22	1,527204E+22	1,153764E+22	7,520718E+21	4,297809E+21	2,591553E+21	2,591453E+21	4,297513E+21	7,520312E+21
-1765	1,153731E+22	1,527184E+22	1,758217E+22	1,758213E+22	1,527167E+22	1,153714E+22	7,520267E+21	4,297566E+21	2,591554E+21	2,591666E+21	4,297958E+21	7,520919E+21
-1764	1,153771E+22	1,527172E+22	1,758151E+22	1,758133E+22	1,527129E+22	1,153721E+22	7,520462E+21	4,297681E+21	2,591550E+21	2,591550E+21	4,297617E+21	7,520275E+21
-1763	1,153697E+22	1,527143E+22	1,758205E+22	1,758216E+22	1,527183E+22	1,153751E+22	7,520709E+21	4,297858E+21	2,591609E+21	2,591497E+21	4,297560E+21	7,520453E+21
-1762	1,153762E+22	1,527227E+22	1,758265E+22	1,758235E+22	1,527155E+22	1,153691E+22	7,520088E+21	4,297410E+21	2,591392E+21	2,591499E+21	4,297744E+21	7,520590E+21
-1761	1,153739E+22	1,527168E+22	1,758192E+22	1,758210E+22	1,527196E+22	1,153749E+22	7,520452E+21	4,297502E+21	2,591273E+21	2,591215E+21	4,297280E+21	7,519984E+21
-1760	1,153684E+22	1,527172E+22	1,758270E+22	1,758287E+22	1,527238E+22	1,153766E+22	7,520442E+21	4,297392E+21	2,591140E+21	2,591109E+21	4,297356E+21	7,520534E+21
-1759	1,153778E+22	1,527233E+22	1,758275E+22	1,758263E+22	1,527203E+22	1,153728E+22	7,520055E+21	4,297028E+21	2,590866E+21	2,590949E+21	4,297220E+21	7,520215E+21
-1758	1,153730E+22	1,527185E+22	1,758242E+22	1,758278E+22	1,527250E+22	1,153780E+22	7,520492E+21	4,297248E+21	2,590821E+21	2,590679E+21	4,296819E+21	7,519897E+21
-1757	1,153737E+22	1,527257E+22	1,758335E+22	1,758323E+22	1,527244E+22	1,153744E+22	7,520065E+21	4,296944E+21	2,590696E+21	2,590732E+21	4,297115E+21	7,520459E+21
-1756	1,153787E+22	1,527267E+22	1,758313E+22	1,758284E+22	1,527212E+22	1,153732E+22	7,520016E+21	4,296858E+21	2,590585E+21	2,590615E+21	4,296868E+21	7,519913E+21
-1755	1,153710E+22	1,527204E+22	1,758318E+22	1,758350E+22	1,527276E+22	1,153776E+22	7,520340E+21	4,297092E+21	2,590696E+21	2,590605E+21	4,296838E+21	7,520057E+21
-1754	1,153765E+22	1,527281E+22	1,758362E+22	1,758348E+22	1,527243E+22	1,153723E+22	7,519803E+21	4,296755E+21	2,590624E+21	2,590770E+21	4,297225E+21	7,520498E+21
-1753	1,153776E+22	1,527238E+22	1,758267E+22	1,758267E+22	1,527232E+22	1,153757E+22	7,520189E+21	4,297004E+21	2,590738E+21	2,590752E+21	4,296971E+21	7,519941E+21
-1752	1,153703E+22	1,527197E+22	1,758292E+22	1,758301E+22	1,527248E+22	1,153776E+22	7,520490E+21	4,297352E+21	2,591037E+21	2,590976E+21	4,297187E+21	7,520381E+21
-1751	1,153780E+22	1,527251E+22	1,758289E+22	1,758259E+22	1,527184E+22	1,153714E+22	7,520103E+21	4,297251E+21	2,591173E+21	2,591278E+21	4,297509E+21	7,520356E+21
-1750	1,153723E+22	1,527156E+22	1,758189E+22	1,758211E+22	1,527192E+22	1,153753E+22	7,520636E+21	4,297757E+21	2,591516E+21	2,591420E+21	4,297433E+21	7,520073E+21
-1749	1,153685E+22	1,527145E+22	1,758208E+22	1,758216E+22	1,527179E+22	1,153731E+22	7,520474E+21	4,297787E+21	2,591733E+21	2,591773E+21	4,297967E+21	7,520846E+21
-1748	1,153757E+22	1,527158E+22	1,758153E+22	1,758128E+22	1,527106E+22	1,153696E+22	7,520370E+21	4,297779E+21	2,591803E+21	2,591911E+21	4,298021E+21	7,520549E+21
-1747	1,153689E+22	1,527075E+22	1,758100E+22	1,758132E+22	1,527142E+22	1,153744E+22	7,520878E+21	4,298198E+21	2,592037E+21	2,591939E+21	4,297906E+21	7,520493E+21
-1746	1,153724E+22	1,527157E+22	1,758170E+22	1,758145E+22	1,527109E+22	1,153690E+22	7,520388E+21	4,297930E+21	2,592002E+21	2,592095E+21	4,298263E+21	7,520993E+21
-1745	1,153757E+22	1,527147E+22	1,758117E+22	1,758087E+22	1,527089E+22	1,153702E+22	7,520558E+21	4,298008E+21	2,591990E+21	2,591999E+21	4,297946E+21	7,520305E+21
-1744	1,153663E+22	1,527081E+22	1,758140E+22	1,758165E+22	1,527152E+22	1,153742E+22	7,520852E+21	4,298211E+21	2,592055E+21	2,591941E+21	4,297899E+21	7,520540E+21
-1743	1,153737E+22	1,527167E+22	1,758186E+22	1,758176E+22	1,527136E+22	1,153696E+22	7,520281E+21	4,297755E+21	2,591819E+21	2,591926E+21	4,298078E+21	7,520685E+21
-1742	1,153714E+22	1,527111E+22	1,758122E+22	1,758145E+22	1,527159E+22	1,153746E+22	7,520678E+21	4,297874E+21	2,591691E+21	2,591612E+21	4,297610E+21	7,520197E+21
-1741	1,153677E+22	1,527114E+22	1,758183E+22	1,758204E+22	1,527183E+22	1,153747E+22	7,520575E+21	4,297734E+21	2,591558E+21	2,591525E+21	4,297694E+21	7,520711E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1740	1,153778E+22	1,527202E+22	1,758210E+22	1,758181E+22	1,527137E+22	1,153703E+22	7,520194E+21	4,297383E+21	2,591288E+21	2,591370E+21	4,297555E+21	7,520324E+21
-1739	1,153715E+22	1,527149E+22	1,758190E+22	1,758213E+22	1,527193E+22	1,153755E+22	7,520592E+21	4,297592E+21	2,591271E+21	2,591140E+21	4,297194E+21	7,520018E+21
-1738	1,153718E+22	1,527218E+22	1,758292E+22	1,758274E+22	1,527200E+22	1,153718E+22	7,520094E+21	4,297242E+21	2,591124E+21	2,591183E+21	4,297496E+21	7,520627E+21
-1737	1,153775E+22	1,527225E+22	1,758255E+22	1,758228E+22	1,527175E+22	1,153716E+22	7,520056E+21	4,297122E+21	2,591001E+21	2,591080E+21	4,297276E+21	7,520102E+21
-1736	1,153692E+22	1,527139E+22	1,758230E+22	1,758271E+22	1,527232E+22	1,153768E+22	7,520521E+21	4,297455E+21	2,591149E+21	2,591061E+21	4,297208E+21	7,520242E+21
-1735	1,153758E+22	1,527233E+22	1,758276E+22	1,758267E+22	1,527202E+22	1,153719E+22	7,520058E+21	4,297195E+21	2,591128E+21	2,591245E+21	4,297559E+21	7,520564E+21
-1734	1,153755E+22	1,527193E+22	1,758204E+22	1,758191E+22	1,527175E+22	1,153744E+22	7,520463E+21	4,297517E+21	2,591309E+21	2,591272E+21	4,297344E+21	7,520065E+21
-1733	1,153680E+22	1,527132E+22	1,758208E+22	1,758218E+22	1,527184E+22	1,153749E+22	7,520655E+21	4,297831E+21	2,591639E+21	2,591572E+21	4,297647E+21	7,520513E+21
-1732	1,153755E+22	1,527188E+22	1,758204E+22	1,758174E+22	1,527120E+22	1,153688E+22	7,520261E+21	4,297704E+21	2,591751E+21	2,591877E+21	4,298011E+21	7,520541E+21
-1731	1,153695E+22	1,527087E+22	1,758098E+22	1,758124E+22	1,527135E+22	1,153735E+22	7,520796E+21	4,298176E+21	2,592070E+21	2,592003E+21	4,297943E+21	7,520331E+21
-1730	1,153671E+22	1,527093E+22	1,758130E+22	1,758132E+22	1,527118E+22	1,153708E+22	7,520601E+21	4,298168E+21	2,592227E+21	2,592279E+21	4,298395E+21	7,521082E+21
-1729	1,153756E+22	1,527121E+22	1,758083E+22	1,758050E+22	1,527051E+22	1,153676E+22	7,520490E+21	4,298143E+21	2,592285E+21	2,592404E+21	4,298410E+21	7,520699E+21
-1728	1,153674E+22	1,527028E+22	1,758028E+22	1,758055E+22	1,527088E+22	1,153728E+22	7,521072E+21	4,298625E+21	2,592543E+21	2,592423E+21	4,298259E+21	7,520588E+21
-1727	1,153706E+22	1,527113E+22	1,758107E+22	1,758086E+22	1,527072E+22	1,153680E+22	7,520592E+21	4,298367E+21	2,592521E+21	2,592590E+21	4,298615E+21	7,521018E+21
-1726	1,153722E+22	1,527089E+22	1,758060E+22	1,758039E+22	1,527056E+22	1,153692E+22	7,520748E+21	4,298423E+21	2,592491E+21	2,592482E+21	4,298342E+21	7,520494E+21
-1725	1,153642E+22	1,527008E+22	1,758049E+22	1,758090E+22	1,527109E+22	1,153728E+22	7,520968E+21	4,298545E+21	2,592506E+21	2,592415E+21	4,298308E+21	7,520747E+21
-1724	1,153728E+22	1,527114E+22	1,758099E+22	1,758089E+22	1,527079E+22	1,153682E+22	7,520451E+21	4,298086E+21	2,592216E+21	2,592336E+21	4,298430E+21	7,520859E+21
-1723	1,153706E+22	1,527071E+22	1,758052E+22	1,758067E+22	1,527103E+22	1,153729E+22	7,520832E+21	4,298208E+21	2,592092E+21	2,592010E+21	4,297930E+21	7,520336E+21
-1722	1,153672E+22	1,527092E+22	1,758138E+22	1,758138E+22	1,527123E+22	1,153719E+22	7,520651E+21	4,298039E+21	2,591942E+21	2,591899E+21	4,297973E+21	7,520788E+21
-1721	1,153766E+22	1,527176E+22	1,758172E+22	1,758135E+22	1,527093E+22	1,153679E+22	7,520221E+21	4,297653E+21	2,591682E+21	2,591787E+21	4,297886E+21	7,520403E+21
-1720	1,153689E+22	1,527095E+22	1,758128E+22	1,758162E+22	1,527159E+22	1,153741E+22	7,520677E+21	4,297893E+21	2,591682E+21	2,591570E+21	4,297555E+21	7,520166E+21
-1719	1,153701E+22	1,527166E+22	1,758217E+22	1,758215E+22	1,527173E+22	1,153716E+22	7,520266E+21	4,297581E+21	2,591552E+21	2,591614E+21	4,297841E+21	7,520748E+21
-1718	1,153755E+22	1,527175E+22	1,758190E+22	1,758167E+22	1,527137E+22	1,153712E+22	7,520291E+21	4,297524E+21	2,591459E+21	2,591513E+21	4,297631E+21	7,520317E+21
-1717	1,153685E+22	1,527084E+22	1,758140E+22	1,758183E+22	1,527175E+22	1,153752E+22	7,520711E+21	4,297880E+21	2,591659E+21	2,591558E+21	4,297583E+21	7,520363E+21
-1716	1,153746E+22	1,527192E+22	1,758202E+22	1,758177E+22	1,527132E+22	1,153699E+22	7,520296E+21	4,297671E+21	2,591678E+21	2,591780E+21	4,297959E+21	7,520646E+21
-1715	1,153726E+22	1,527137E+22	1,758134E+22	1,758117E+22	1,527113E+22	1,153719E+22	7,520647E+21	4,297998E+21	2,591905E+21	2,591872E+21	4,297828E+21	7,520212E+21
-1714	1,153652E+22	1,527071E+22	1,758130E+22	1,758143E+22	1,527127E+22	1,153721E+22	7,520750E+21	4,298244E+21	2,592197E+21	2,592156E+21	4,298151E+21	7,520746E+21
-1713	1,153737E+22	1,527128E+22	1,758118E+22	1,758093E+22	1,527067E+22	1,153668E+22	7,520347E+21	4,298063E+21	2,592277E+21	2,592449E+21	4,298516E+21	7,520804E+21
-1712	1,153679E+22	1,527020E+22	1,757997E+22	1,758027E+22	1,527074E+22	1,153718E+22	7,520975E+21	4,298588E+21	2,592588E+21	2,592530E+21	4,298381E+21	7,520567E+21
-1711	1,153668E+22	1,527049E+22	1,758044E+22	1,758046E+22	1,527065E+22	1,153695E+22	7,520824E+21	4,298625E+21	2,592762E+21	2,592783E+21	4,298756E+21	7,521172E+21
-1710	1,153737E+22	1,527084E+22	1,758029E+22	1,757986E+22	1,526999E+22	1,153659E+22	7,520715E+21	4,298619E+21	2,592833E+21	2,592905E+21	4,298779E+21	7,520833E+21
-1709	1,153653E+22	1,526968E+22	1,757953E+22	1,757988E+22	1,527038E+22	1,153706E+22	7,521206E+21	4,299043E+21	2,593080E+21	2,592959E+21	4,298673E+21	7,520701E+21
-1708	1,153682E+22	1,527058E+22	1,758034E+22	1,758017E+22	1,527025E+22	1,153667E+22	7,520771E+21	4,298750E+21	2,592999E+21	2,593086E+21	4,299031E+21	7,521170E+21
-1707	1,153696E+22	1,527026E+22	1,757981E+22	1,757970E+22	1,527013E+22	1,153683E+22	7,520922E+21	4,298771E+21	2,592928E+21	2,592939E+21	4,298742E+21	7,520690E+21
-1706	1,153631E+22	1,526963E+22	1,757974E+22	1,758016E+22	1,527059E+22	1,153711E+22	7,521089E+21	4,298846E+21	2,592882E+21	2,592799E+21	4,298636E+21	7,520926E+21
-1705	1,153726E+22	1,527086E+22	1,758037E+22	1,758019E+22	1,527028E+22	1,153661E+22	7,520526E+21	4,298364E+21	2,592589E+21	2,592715E+21	4,298720E+21	7,520953E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1704	1,153691E+22	1,527032E+22	1,757990E+22	1,757996E+22	1,527047E+22	1,153708E+22	7,520959E+21	4,298545E+21	2,592499E+21	2,592402E+21	4,298222E+21	7,520415E+21
-1703	1,153657E+22	1,527056E+22	1,758084E+22	1,758090E+22	1,527086E+22	1,153701E+22	7,520771E+21	4,298395E+21	2,592382E+21	2,592322E+21	4,298287E+21	7,520839E+21
-1702	1,153738E+22	1,527129E+22	1,758121E+22	1,758093E+22	1,527062E+22	1,153666E+22	7,520348E+21	4,298004E+21	2,592122E+21	2,592217E+21	4,298258E+21	7,520622E+21
-1701	1,153674E+22	1,527032E+22	1,758042E+22	1,758090E+22	1,527116E+22	1,153726E+22	7,520786E+21	4,298214E+21	2,592117E+21	2,592027E+21	4,297946E+21	7,520369E+21
-1700	1,153694E+22	1,527122E+22	1,758139E+22	1,758132E+22	1,527116E+22	1,153704E+22	7,520481E+21	4,297954E+21	2,591989E+21	2,592053E+21	4,298191E+21	7,520882E+21
-1699	1,153740E+22	1,527133E+22	1,758121E+22	1,758092E+22	1,527082E+22	1,153696E+22	7,520501E+21	4,297946E+21	2,591956E+21	2,591996E+21	4,297992E+21	7,520412E+21
-1698	1,153669E+22	1,527049E+22	1,758080E+22	1,758111E+22	1,527115E+22	1,153726E+22	7,520856E+21	4,298299E+21	2,592179E+21	2,592068E+21	4,297968E+21	7,520450E+21
-1697	1,153720E+22	1,527143E+22	1,758137E+22	1,758116E+22	1,527084E+22	1,153675E+22	7,520383E+21	4,298064E+21	2,592221E+21	2,592342E+21	4,298406E+21	7,520770E+21
-1696	1,153692E+22	1,527062E+22	1,758041E+22	1,758039E+22	1,527065E+22	1,153703E+22	7,520809E+21	4,298423E+21	2,592458E+21	2,592446E+21	4,298324E+21	7,520454E+21
-1695	1,153635E+22	1,527004E+22	1,758032E+22	1,758061E+22	1,527080E+22	1,153710E+22	7,520961E+21	4,298689E+21	2,592745E+21	2,592706E+21	4,298610E+21	7,520962E+21
-1694	1,153720E+22	1,527071E+22	1,758034E+22	1,758012E+22	1,527014E+22	1,153655E+22	7,520588E+21	4,298533E+21	2,592821E+21	2,592972E+21	4,298963E+21	7,521099E+21
-1693	1,153676E+22	1,526968E+22	1,757903E+22	1,757929E+22	1,527007E+22	1,153695E+22	7,521150E+21	4,299036E+21	2,593145E+21	2,593079E+21	4,298806E+21	7,520738E+21
-1692	1,153659E+22	1,527013E+22	1,757975E+22	1,757958E+22	1,526994E+22	1,153672E+22	7,521047E+21	4,299091E+21	2,593315E+21	2,593325E+21	4,299162E+21	7,521266E+21
-1691	1,153710E+22	1,527032E+22	1,757968E+22	1,757928E+22	1,526950E+22	1,153639E+22	7,520877E+21	4,299062E+21	2,593389E+21	2,593463E+21	4,299221E+21	7,520965E+21
-1690	1,153629E+22	1,526917E+22	1,757881E+22	1,757923E+22	1,526993E+22	1,153685E+22	7,521291E+21	4,299392E+21	2,593558E+21	2,593456E+21	4,299096E+21	7,520885E+21
-1689	1,153661E+22	1,527002E+22	1,757954E+22	1,757947E+22	1,526983E+22	1,153653E+22	7,520860E+21	4,299049E+21	2,593420E+21	2,593528E+21	4,299399E+21	7,521340E+21
-1688	1,153679E+22	1,526968E+22	1,757893E+22	1,757888E+22	1,526962E+22	1,153671E+22	7,521098E+21	4,299115E+21	2,593330E+21	2,593334E+21	4,299060E+21	7,520849E+21
-1687	1,153625E+22	1,526926E+22	1,757902E+22	1,757943E+22	1,527010E+22	1,153696E+22	7,521272E+21	4,299218E+21	2,593298E+21	2,593177E+21	4,298892E+21	7,520962E+21
-1686	1,153705E+22	1,527053E+22	1,757994E+22	1,757968E+22	1,526984E+22	1,153644E+22	7,520686E+21	4,298738E+21	2,593017E+21	2,593106E+21	4,299020E+21	7,521079E+21
-1685	1,153673E+22	1,526984E+22	1,757926E+22	1,757938E+22	1,527003E+22	1,153684E+22	7,521012E+21	4,298861E+21	2,592934E+21	2,592849E+21	4,298579E+21	7,520536E+21
-1684	1,153639E+22	1,527014E+22	1,758022E+22	1,758027E+22	1,527043E+22	1,153687E+22	7,520898E+21	4,298705E+21	2,592791E+21	2,592753E+21	4,298655E+21	7,520995E+21
-1683	1,153718E+22	1,527077E+22	1,758056E+22	1,758038E+22	1,527026E+22	1,153656E+22	7,520497E+21	4,298330E+21	2,592539E+21	2,592649E+21	4,298623E+21	7,520807E+21
-1682	1,153668E+22	1,526996E+22	1,757973E+22	1,758022E+22	1,527070E+22	1,153710E+22	7,520913E+21	4,298538E+21	2,592523E+21	2,592439E+21	4,298284E+21	7,520529E+21
-1681	1,153685E+22	1,527089E+22	1,758076E+22	1,758063E+22	1,527068E+22	1,153688E+22	7,520610E+21	4,298309E+21	2,592443E+21	2,592501E+21	4,298517E+21	7,520951E+21
-1680	1,153716E+22	1,527082E+22	1,758050E+22	1,758017E+22	1,527027E+22	1,153678E+22	7,520702E+21	4,298384E+21	2,592477E+21	2,592507E+21	4,298386E+21	7,520525E+21
-1679	1,153644E+22	1,526992E+22	1,758002E+22	1,758046E+22	1,527071E+22	1,153708E+22	7,521040E+21	4,298761E+21	2,592746E+21	2,592628E+21	4,298410E+21	7,520587E+21
-1678	1,153687E+22	1,527075E+22	1,758055E+22	1,758046E+22	1,527041E+22	1,153661E+22	7,520562E+21	4,298510E+21	2,592782E+21	2,592905E+21	4,298911E+21	7,521092E+21
-1677	1,153678E+22	1,526988E+22	1,757928E+22	1,757937E+22	1,527002E+22	1,153681E+22	7,520950E+21	4,298841E+21	2,593014E+21	2,593024E+21	4,298823E+21	7,520749E+21
-1676	1,153633E+22	1,526961E+22	1,757941E+22	1,757955E+22	1,527004E+22	1,153687E+22	7,521180E+21	4,299138E+21	2,593286E+21	2,593245E+21	4,299045E+21	7,521168E+21
-1675	1,153709E+22	1,527030E+22	1,757962E+22	1,757927E+22	1,526947E+22	1,153630E+22	7,520785E+21	4,299008E+21	2,593390E+21	2,593520E+21	4,299365E+21	7,521215E+21
-1674	1,153661E+22	1,526935E+22	1,757844E+22	1,757858E+22	1,526946E+22	1,153666E+22	7,521275E+21	4,299461E+21	2,593687E+21	2,593617E+21	4,299212E+21	7,520839E+21
-1673	1,153633E+22	1,526965E+22	1,757916E+22	1,757903E+22	1,526953E+22	1,153651E+22	7,521128E+21	4,299468E+21	2,593837E+21	2,593856E+21	4,299565E+21	7,521351E+21
-1672	1,153673E+22	1,526959E+22	1,757880E+22	1,757857E+22	1,526913E+22	1,153631E+22	7,521061E+21	4,299454E+21	2,593882E+21	2,593966E+21	4,299638E+21	7,521142E+21
-1671	1,153608E+22	1,526852E+22	1,757791E+22	1,757852E+22	1,526957E+22	1,153680E+22	7,521509E+21	4,299790E+21	2,594022E+21	2,593908E+21	4,299455E+21	7,521032E+21
-1670	1,153641E+22	1,526947E+22	1,757877E+22	1,757875E+22	1,526941E+22	1,153644E+22	7,521080E+21	4,299450E+21	2,593863E+21	2,593939E+21	4,299736E+21	7,521547E+21
-1669	1,153670E+22	1,526919E+22	1,757808E+22	1,757798E+22	1,526901E+22	1,153648E+22	7,521237E+21	4,299491E+21	2,593787E+21	2,593778E+21	4,299397E+21	7,520975E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1668	1,153615E+22	1,526897E+22	1,757848E+22	1,757866E+22	1,526943E+22	1,153670E+22	7,521419E+21	4,299588E+21	2,593749E+21	2,593624E+21	4,299238E+21	7,521058E+21
-1667	1,153680E+22	1,527007E+22	1,757943E+22	1,757919E+22	1,526942E+22	1,153621E+22	7,520767E+21	4,299078E+21	2,593471E+21	2,593574E+21	4,299404E+21	7,521231E+21
-1666	1,153658E+22	1,526946E+22	1,757866E+22	1,757881E+22	1,526965E+22	1,153664E+22	7,521031E+21	4,299110E+21	2,593320E+21	2,593275E+21	4,298962E+21	7,520753E+21
-1665	1,153631E+22	1,526973E+22	1,757958E+22	1,757967E+22	1,527007E+22	1,153674E+22	7,520946E+21	4,298950E+21	2,593157E+21	2,593140E+21	4,298966E+21	7,521142E+21
-1664	1,153706E+22	1,527031E+22	1,757981E+22	1,757966E+22	1,526985E+22	1,153648E+22	7,520683E+21	4,298675E+21	2,592939E+21	2,593035E+21	4,298917E+21	7,520929E+21
-1663	1,153658E+22	1,526960E+22	1,757910E+22	1,757957E+22	1,527027E+22	1,153698E+22	7,521128E+21	4,298955E+21	2,592989E+21	2,592864E+21	4,298571E+21	7,520555E+21
-1662	1,153654E+22	1,527040E+22	1,758022E+22	1,758009E+22	1,527028E+22	1,153675E+22	7,520826E+21	4,298760E+21	2,592956E+21	2,592983E+21	4,298893E+21	7,521088E+21
-1661	1,153688E+22	1,527015E+22	1,757962E+22	1,757940E+22	1,526977E+22	1,153657E+22	7,520836E+21	4,298807E+21	2,593028E+21	2,593074E+21	4,298858E+21	7,520725E+21
-1660	1,153623E+22	1,526934E+22	1,757914E+22	1,757951E+22	1,527008E+22	1,153691E+22	7,521230E+21	4,299178E+21	2,593281E+21	2,593187E+21	4,298894E+21	7,520832E+21
-1659	1,153669E+22	1,527012E+22	1,757967E+22	1,757961E+22	1,526984E+22	1,153643E+22	7,520747E+21	4,298944E+21	2,593327E+21	2,593463E+21	4,299376E+21	7,521352E+21
-1658	1,153678E+22	1,526952E+22	1,757846E+22	1,757844E+22	1,526935E+22	1,153652E+22	7,521058E+21	4,299236E+21	2,593531E+21	2,593549E+21	4,299247E+21	7,520953E+21
-1657	1,153626E+22	1,526927E+22	1,757874E+22	1,757873E+22	1,526943E+22	1,153661E+22	7,521279E+21	4,299546E+21	2,593824E+21	2,593769E+21	4,299416E+21	7,521246E+21
-1656	1,153683E+22	1,526978E+22	1,757893E+22	1,757858E+22	1,526895E+22	1,153611E+22	7,520981E+21	4,299479E+21	2,593960E+21	2,594077E+21	4,299784E+21	7,521322E+21
-1655	1,153632E+22	1,526873E+22	1,757771E+22	1,757801E+22	1,526909E+22	1,153651E+22	7,521465E+21	4,299929E+21	2,594260E+21	2,594176E+21	4,299646E+21	7,520957E+21
-1654	1,153595E+22	1,526889E+22	1,757833E+22	1,757840E+22	1,526920E+22	1,153647E+22	7,521349E+21	4,299903E+21	2,594362E+21	2,594380E+21	4,300020E+21	7,521603E+21
-1653	1,153654E+22	1,526884E+22	1,757770E+22	1,757758E+22	1,526857E+22	1,153617E+22	7,521244E+21	4,299854E+21	2,594383E+21	2,594477E+21	4,300065E+21	7,521368E+21
-1652	1,153602E+22	1,526809E+22	1,757704E+22	1,757745E+22	1,526885E+22	1,153662E+22	7,521721E+21	4,300189E+21	2,594491E+21	2,594368E+21	4,299816E+21	7,521186E+21
-1651	1,153628E+22	1,526906E+22	1,757812E+22	1,757798E+22	1,526880E+22	1,153621E+22	7,521226E+21	4,299844E+21	2,594340E+21	2,594397E+21	4,300067E+21	7,521652E+21
-1650	1,153661E+22	1,526892E+22	1,757758E+22	1,757736E+22	1,526845E+22	1,153616E+22	7,521257E+21	4,299794E+21	2,594213E+21	2,594218E+21	4,299749E+21	7,521106E+21
-1649	1,153600E+22	1,526862E+22	1,757803E+22	1,757822E+22	1,526908E+22	1,153646E+22	7,521397E+21	4,299836E+21	2,594140E+21	2,594036E+21	4,299571E+21	7,521176E+21
-1648	1,153658E+22	1,526954E+22	1,757879E+22	1,757866E+22	1,526914E+22	1,153615E+22	7,520895E+21	4,299364E+21	2,593843E+21	2,593964E+21	4,299742E+21	7,521404E+21
-1647	1,153647E+22	1,526899E+22	1,757804E+22	1,757831E+22	1,526938E+22	1,153661E+22	7,521215E+21	4,299432E+21	2,593694E+21	2,593639E+21	4,299247E+21	7,520872E+21
-1646	1,153616E+22	1,526930E+22	1,757898E+22	1,757910E+22	1,526977E+22	1,153673E+22	7,521175E+21	4,299319E+21	2,593557E+21	2,593512E+21	4,299251E+21	7,521265E+21
-1645	1,153692E+22	1,526983E+22	1,757903E+22	1,757882E+22	1,526931E+22	1,153633E+22	7,520873E+21	4,299082E+21	2,593420E+21	2,593496E+21	4,299249E+21	7,521008E+21
-1644	1,153640E+22	1,526921E+22	1,757849E+22	1,757875E+22	1,526962E+22	1,153677E+22	7,521331E+21	4,299395E+21	2,593518E+21	2,593387E+21	4,298978E+21	7,520671E+21
-1643	1,153623E+22	1,526974E+22	1,757947E+22	1,757941E+22	1,526978E+22	1,153652E+22	7,520960E+21	4,299193E+21	2,593516E+21	2,593553E+21	4,299355E+21	7,521284E+21
-1642	1,153671E+22	1,526958E+22	1,757874E+22	1,757853E+22	1,526919E+22	1,153631E+22	7,520898E+21	4,299161E+21	2,593538E+21	2,593625E+21	4,299352E+21	7,521016E+21
-1641	1,153617E+22	1,526886E+22	1,757834E+22	1,757865E+22	1,526947E+22	1,153664E+22	7,521283E+21	4,299524E+21	2,593774E+21	2,593696E+21	4,299308E+21	7,521037E+21
-1640	1,153658E+22	1,526962E+22	1,757883E+22	1,757870E+22	1,526923E+22	1,153624E+22	7,520940E+21	4,299376E+21	2,593849E+21	2,593973E+21	4,299767E+21	7,521504E+21
-1639	1,153665E+22	1,526910E+22	1,757784E+22	1,757776E+22	1,526883E+22	1,153634E+22	7,521260E+21	4,299708E+21	2,594092E+21	2,594078E+21	4,299615E+21	7,521009E+21
-1638	1,153595E+22	1,526872E+22	1,757814E+22	1,757819E+22	1,526905E+22	1,153649E+22	7,521495E+21	4,300026E+21	2,594397E+21	2,594324E+21	4,299844E+21	7,521369E+21
-1637	1,153649E+22	1,526901E+22	1,757798E+22	1,757778E+22	1,526851E+22	1,153598E+22	7,521167E+21	4,299941E+21	2,594550E+21	2,594675E+21	4,300270E+21	7,521507E+21
-1636	1,153606E+22	1,526807E+22	1,757679E+22	1,757705E+22	1,526852E+22	1,153643E+22	7,521714E+21	4,300375E+21	2,594809E+21	2,594740E+21	4,300127E+21	7,521191E+21
-1635	1,153572E+22	1,526815E+22	1,757738E+22	1,757753E+22	1,526867E+22	1,153634E+22	7,521570E+21	4,300344E+21	2,594889E+21	2,594906E+21	4,300444E+21	7,521820E+21
-1634	1,153652E+22	1,526844E+22	1,757684E+22	1,757661E+22	1,526789E+22	1,153591E+22	7,521356E+21	4,300217E+21	2,594849E+21	2,594953E+21	4,300459E+21	7,521570E+21
-1633	1,153599E+22	1,526782E+22	1,757646E+22	1,757667E+22	1,526820E+22	1,153630E+22	7,521761E+21	4,300517E+21	2,594936E+21	2,594805E+21	4,300137E+21	7,521271E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1632	1,153610E+22	1,526865E+22	1,757758E+22	1,757738E+22	1,526831E+22	1,153599E+22	7,521336E+21	4,300196E+21	2,594785E+21	2,594843E+21	4,300421E+21	7,521772E+21
-1631	1,153643E+22	1,526846E+22	1,757709E+22	1,757698E+22	1,526816E+22	1,153600E+22	7,521339E+21	4,300109E+21	2,594631E+21	2,594638E+21	4,300088E+21	7,521229E+21
-1630	1,153578E+22	1,526809E+22	1,757745E+22	1,757778E+22	1,526888E+22	1,153646E+22	7,521546E+21	4,300133E+21	2,594511E+21	2,594418E+21	4,299909E+21	7,521370E+21
-1629	1,153647E+22	1,526900E+22	1,757795E+22	1,757789E+22	1,526873E+22	1,153609E+22	7,521071E+21	4,299694E+21	2,594240E+21	2,594356E+21	4,300050E+21	7,521542E+21
-1628	1,153641E+22	1,526867E+22	1,757739E+22	1,757743E+22	1,526880E+22	1,153651E+22	7,521446E+21	4,299809E+21	2,594118E+21	2,594039E+21	4,299535E+21	7,520937E+21
-1627	1,153594E+22	1,526882E+22	1,757839E+22	1,757845E+22	1,526927E+22	1,153658E+22	7,521372E+21	4,299739E+21	2,594045E+21	2,593975E+21	4,299564E+21	7,521298E+21
-1626	1,153672E+22	1,526943E+22	1,757843E+22	1,757814E+22	1,526876E+22	1,153604E+22	7,520935E+21	4,299432E+21	2,593901E+21	2,593997E+21	4,299655E+21	7,521143E+21
-1625	1,153618E+22	1,526869E+22	1,757782E+22	1,757807E+22	1,526913E+22	1,153650E+22	7,521342E+21	4,299714E+21	2,593994E+21	2,593885E+21	4,299394E+21	7,520841E+21
-1624	1,153602E+22	1,526909E+22	1,757861E+22	1,757863E+22	1,526931E+22	1,153639E+22	7,521110E+21	4,299560E+21	2,593994E+21	2,594055E+21	4,299798E+21	7,521535E+21
-1623	1,153663E+22	1,526904E+22	1,757797E+22	1,757783E+22	1,526871E+22	1,153615E+22	7,521063E+21	4,299556E+21	2,594025E+21	2,594109E+21	4,299746E+21	7,521207E+21
-1622	1,153606E+22	1,526840E+22	1,757763E+22	1,757793E+22	1,526902E+22	1,153653E+22	7,521495E+21	4,299952E+21	2,594277E+21	2,594189E+21	4,299702E+21	7,521201E+21
-1621	1,153643E+22	1,526910E+22	1,757801E+22	1,757779E+22	1,526860E+22	1,153605E+22	7,521154E+21	4,299860E+21	2,594434E+21	2,594543E+21	4,300192E+21	7,521613E+21
-1620	1,153641E+22	1,526861E+22	1,757715E+22	1,757691E+22	1,526820E+22	1,153616E+22	7,521494E+21	4,300210E+21	2,594709E+21	2,594693E+21	4,300098E+21	7,521151E+21
-1619	1,153561E+22	1,526793E+22	1,757726E+22	1,757747E+22	1,526861E+22	1,153636E+22	7,521695E+21	4,300513E+21	2,595017E+21	2,594953E+21	4,300346E+21	7,521565E+21
-1618	1,153631E+22	1,526837E+22	1,757696E+22	1,757681E+22	1,526791E+22	1,153578E+22	7,521296E+21	4,300337E+21	2,595090E+21	2,595248E+21	4,300774E+21	7,521793E+21
-1617	1,153600E+22	1,526754E+22	1,757590E+22	1,757608E+22	1,526785E+22	1,153617E+22	7,521817E+21	4,300752E+21	2,595301E+21	2,595231E+21	4,300522E+21	7,521385E+21
-1616	1,153564E+22	1,526766E+22	1,757653E+22	1,757659E+22	1,526801E+22	1,153613E+22	7,521758E+21	4,300759E+21	2,595373E+21	2,595372E+21	4,300801E+21	7,521951E+21
-1615	1,153640E+22	1,526806E+22	1,757633E+22	1,757602E+22	1,526735E+22	1,153567E+22	7,521497E+21	4,300614E+21	2,595323E+21	2,595400E+21	4,300782E+21	7,521633E+21
-1614	1,153576E+22	1,526739E+22	1,757602E+22	1,757627E+22	1,526788E+22	1,153616E+22	7,521880E+21	4,300862E+21	2,595371E+21	2,595246E+21	4,300498E+21	7,521388E+21
-1613	1,153586E+22	1,526806E+22	1,757683E+22	1,757674E+22	1,526795E+22	1,153588E+22	7,521465E+21	4,300533E+21	2,595227E+21	2,595295E+21	4,300794E+21	7,521919E+21
-1612	1,153627E+22	1,526801E+22	1,757645E+22	1,757628E+22	1,526776E+22	1,153598E+22	7,521537E+21	4,300443E+21	2,595044E+21	2,595058E+21	4,300438E+21	7,521391E+21
-1611	1,153562E+22	1,526754E+22	1,757673E+22	1,757716E+22	1,526851E+22	1,153639E+22	7,521745E+21	4,300497E+21	2,594935E+21	2,594824E+21	4,300200E+21	7,521463E+21
-1610	1,153641E+22	1,526865E+22	1,757724E+22	1,757710E+22	1,526819E+22	1,153591E+22	7,521195E+21	4,300023E+21	2,594650E+21	2,594762E+21	4,300359E+21	7,521640E+21
-1609	1,153629E+22	1,526836E+22	1,757689E+22	1,757677E+22	1,526820E+22	1,153622E+22	7,521514E+21	4,300146E+21	2,594555E+21	2,594465E+21	4,299850E+21	7,520994E+21
-1608	1,153568E+22	1,526826E+22	1,757772E+22	1,757782E+22	1,526878E+22	1,153637E+22	7,521502E+21	4,300115E+21	2,594520E+21	2,594460E+21	4,299969E+21	7,521436E+21
-1607	1,153647E+22	1,526881E+22	1,757776E+22	1,757761E+22	1,526837E+22	1,153587E+22	7,521036E+21	4,299779E+21	2,594368E+21	2,594484E+21	4,300082E+21	7,521352E+21
-1606	1,153602E+22	1,526812E+22	1,757706E+22	1,757741E+22	1,526875E+22	1,153641E+22	7,521476E+21	4,300043E+21	2,594431E+21	2,594357E+21	4,299826E+21	7,521098E+21
-1605	1,153596E+22	1,526854E+22	1,757765E+22	1,757766E+22	1,526870E+22	1,153622E+22	7,521292E+21	4,299961E+21	2,594489E+21	2,594548E+21	4,300196E+21	7,521729E+21
-1604	1,153660E+22	1,526871E+22	1,757727E+22	1,757689E+22	1,526804E+22	1,153598E+22	7,521286E+21	4,300008E+21	2,594563E+21	2,594626E+21	4,300131E+21	7,521321E+21
-1603	1,153585E+22	1,526788E+22	1,757698E+22	1,757724E+22	1,526848E+22	1,153635E+22	7,521714E+21	4,300449E+21	2,594874E+21	2,594761E+21	4,300100E+21	7,521268E+21
-1602	1,153620E+22	1,526859E+22	1,757726E+22	1,757705E+22	1,526805E+22	1,153582E+22	7,521289E+21	4,300301E+21	2,595015E+21	2,595141E+21	4,300678E+21	7,521779E+21
-1601	1,153616E+22	1,526799E+22	1,757637E+22	1,757615E+22	1,526767E+22	1,153594E+22	7,521609E+21	4,300624E+21	2,595264E+21	2,595263E+21	4,300571E+21	7,521343E+21
-1600	1,153536E+22	1,526718E+22	1,757626E+22	1,757659E+22	1,526810E+22	1,153627E+22	7,521930E+21	4,300956E+21	2,595553E+21	2,595503E+21	4,300820E+21	7,521800E+21
-1599	1,153617E+22	1,526776E+22	1,757612E+22	1,757602E+22	1,526737E+22	1,153562E+22	7,521498E+21	4,300770E+21	2,595601E+21	2,595744E+21	4,301173E+21	7,521975E+21
-1598	1,153589E+22	1,526709E+22	1,757516E+22	1,757530E+22	1,526732E+22	1,153602E+22	7,522006E+21	4,301163E+21	2,595786E+21	2,595708E+21	4,300903E+21	7,521529E+21
-1597	1,153549E+22	1,526720E+22	1,757578E+22	1,757573E+22	1,526735E+22	1,153589E+22	7,521929E+21	4,301199E+21	2,595902E+21	2,595883E+21	4,301189E+21	7,522063E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1596	1,153620E+22	1,526764E+22	1,757573E+22	1,757532E+22	1,526681E+22	1,153547E+22	7,521642E+21	4,301019E+21	2,595838E+21	2,595912E+21	4,301192E+21	7,521767E+21
-1595	1,153549E+22	1,526675E+22	1,757531E+22	1,757574E+22	1,526756E+22	1,153604E+22	7,522015E+21	4,301226E+21	2,595852E+21	2,595735E+21	4,300888E+21	7,521557E+21
-1594	1,153576E+22	1,526760E+22	1,757604E+22	1,757599E+22	1,526749E+22	1,153574E+22	7,521559E+21	4,300819E+21	2,595627E+21	2,595724E+21	4,301168E+21	7,522124E+21
-1593	1,153621E+22	1,526763E+22	1,757579E+22	1,757556E+22	1,526723E+22	1,153576E+22	7,521623E+21	4,300736E+21	2,595416E+21	2,595420E+21	4,300711E+21	7,521488E+21
-1592	1,153551E+22	1,526712E+22	1,757605E+22	1,757645E+22	1,526803E+22	1,153627E+22	7,521922E+21	4,300847E+21	2,595337E+21	2,595209E+21	4,300483E+21	7,521512E+21
-1591	1,153620E+22	1,526824E+22	1,757678E+22	1,757664E+22	1,526775E+22	1,153571E+22	7,521321E+21	4,300374E+21	2,595073E+21	2,595165E+21	4,300652E+21	7,521682E+21
-1590	1,153603E+22	1,526787E+22	1,757635E+22	1,757634E+22	1,526789E+22	1,153609E+22	7,521625E+21	4,300467E+21	2,594971E+21	2,594905E+21	4,300235E+21	7,521140E+21
-1589	1,153545E+22	1,526764E+22	1,757685E+22	1,757705E+22	1,526831E+22	1,153623E+22	7,521645E+21	4,300471E+21	2,594981E+21	2,594940E+21	4,300392E+21	7,521651E+21
-1588	1,153635E+22	1,526833E+22	1,757697E+22	1,757676E+22	1,526784E+22	1,153578E+22	7,521229E+21	4,300155E+21	2,594836E+21	2,594963E+21	4,300499E+21	7,521585E+21
-1587	1,153592E+22	1,526760E+22	1,757626E+22	1,757667E+22	1,526826E+22	1,153627E+22	7,521672E+21	4,300456E+21	2,594933E+21	2,594848E+21	4,300194E+21	7,521261E+21
-1586	1,153595E+22	1,526823E+22	1,757690E+22	1,757676E+22	1,526804E+22	1,153598E+22	7,521432E+21	4,300365E+21	2,595003E+21	2,595061E+21	4,300590E+21	7,521862E+21
-1585	1,153646E+22	1,526836E+22	1,757673E+22	1,757619E+22	1,526738E+22	1,153566E+22	7,521400E+21	4,300445E+21	2,595118E+21	2,595164E+21	4,300531E+21	7,521407E+21
-1584	1,153554E+22	1,526723E+22	1,757620E+22	1,757657E+22	1,526800E+22	1,153617E+22	7,521908E+21	4,300927E+21	2,595466E+21	2,595359E+21	4,300588E+21	7,521416E+21
-1583	1,153585E+22	1,526784E+22	1,757645E+22	1,757641E+22	1,526764E+22	1,153569E+22	7,521477E+21	4,300752E+21	2,595585E+21	2,595716E+21	4,301159E+21	7,521995E+21
-1582	1,153594E+22	1,526731E+22	1,757544E+22	1,757536E+22	1,526721E+22	1,153586E+22	7,521831E+21	4,301050E+21	2,595788E+21	2,595811E+21	4,301055E+21	7,521594E+21
-1581	1,153523E+22	1,526653E+22	1,757513E+22	1,757545E+22	1,526737E+22	1,153608E+22	7,522170E+21	4,301435E+21	2,596111E+21	2,596044E+21	4,301250E+21	7,521985E+21
-1580	1,153605E+22	1,526735E+22	1,757532E+22	1,757502E+22	1,526666E+22	1,153543E+22	7,521717E+21	4,301247E+21	2,596166E+21	2,596283E+21	4,301576E+21	7,522104E+21
-1579	1,153567E+22	1,526658E+22	1,757449E+22	1,757462E+22	1,526676E+22	1,153577E+22	7,522154E+21	4,301609E+21	2,596348E+21	2,596251E+21	4,301290E+21	7,521629E+21
-1578	1,153532E+22	1,526674E+22	1,757505E+22	1,757503E+22	1,526682E+22	1,153562E+22	7,521986E+21	4,301550E+21	2,596398E+21	2,596403E+21	4,301626E+21	7,522246E+21
-1577	1,153602E+22	1,526716E+22	1,757511E+22	1,757474E+22	1,526638E+22	1,153525E+22	7,521699E+21	4,301327E+21	2,596267E+21	2,596355E+21	4,301568E+21	7,521947E+21
-1576	1,153532E+22	1,526619E+22	1,757454E+22	1,757509E+22	1,526719E+22	1,153598E+22	7,522194E+21	4,301557E+21	2,596250E+21	2,596143E+21	4,301237E+21	7,521720E+21
-1575	1,153561E+22	1,526715E+22	1,757544E+22	1,757543E+22	1,526712E+22	1,153565E+22	7,521736E+21	4,301149E+21	2,596001E+21	2,596076E+21	4,301431E+21	7,522213E+21
-1574	1,153609E+22	1,526730E+22	1,757525E+22	1,757499E+22	1,526684E+22	1,153568E+22	7,521797E+21	4,301058E+21	2,595790E+21	2,595791E+21	4,300997E+21	7,521546E+21
-1573	1,153530E+22	1,526667E+22	1,757533E+22	1,757570E+22	1,526747E+22	1,153607E+22	7,522089E+21	4,301233E+21	2,595792E+21	2,595651E+21	4,300824E+21	7,521596E+21
-1572	1,153594E+22	1,526776E+22	1,757613E+22	1,757599E+22	1,526731E+22	1,153555E+22	7,521450E+21	4,300745E+21	2,595550E+21	2,595646E+21	4,301054E+21	7,521850E+21
-1571	1,153579E+22	1,526724E+22	1,757557E+22	1,757572E+22	1,526752E+22	1,153595E+22	7,521744E+21	4,300820E+21	2,595443E+21	2,595390E+21	4,300637E+21	7,521372E+21
-1570	1,153543E+22	1,526722E+22	1,757601E+22	1,757617E+22	1,526771E+22	1,153600E+22	7,521736E+21	4,300791E+21	2,595417E+21	2,595402E+21	4,300802E+21	7,521904E+21
-1569	1,153635E+22	1,526804E+22	1,757633E+22	1,757598E+22	1,526719E+22	1,153548E+22	7,521327E+21	4,300512E+21	2,595280E+21	2,595392E+21	4,300825E+21	7,521715E+21
-1568	1,153581E+22	1,526723E+22	1,757562E+22	1,757596E+22	1,526772E+22	1,153609E+22	7,521863E+21	4,300879E+21	2,595435E+21	2,595336E+21	4,300555E+21	7,521331E+21
-1567	1,153567E+22	1,526777E+22	1,757642E+22	1,757628E+22	1,526760E+22	1,153579E+22	7,521601E+21	4,300801E+21	2,595536E+21	2,595575E+21	4,300967E+21	7,521928E+21
-1566	1,153613E+22	1,526775E+22	1,757603E+22	1,757568E+22	1,526708E+22	1,153557E+22	7,521582E+21	4,300862E+21	2,595654E+21	2,595726E+21	4,301003E+21	7,521564E+21
-1565	1,153523E+22	1,526647E+22	1,757512E+22	1,757565E+22	1,526749E+22	1,153609E+22	7,522155E+21	4,301408E+21	2,596051E+21	2,595951E+21	4,301094E+21	7,521659E+21
-1564	1,153563E+22	1,526716E+22	1,757541E+22	1,757540E+22	1,526705E+22	1,153559E+22	7,521732E+21	4,301242E+21	2,596169E+21	2,596292E+21	4,301635E+21	7,522235E+21
-1563	1,153578E+22	1,526665E+22	1,757442E+22	1,757441E+22	1,526660E+22	1,153568E+22	7,522061E+21	4,301546E+21	2,596377E+21	2,596378E+21	4,301483E+21	7,521796E+21
-1562	1,153520E+22	1,526615E+22	1,757426E+22	1,757439E+22	1,526655E+22	1,153574E+22	7,522294E+21	4,301870E+21	2,596670E+21	2,596605E+21	4,301700E+21	7,522168E+21
-1561	1,153590E+22	1,526697E+22	1,757471E+22	1,757425E+22	1,526592E+22	1,153502E+22	7,521787E+21	4,301658E+21	2,596701E+21	2,596813E+21	4,301990E+21	7,522244E+21



1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1560	1,153543E+22	1,526602E+22	1,757378E+22	1,757401E+22	1,526633E+22	1,153557E+22	7,522262E+21	4,301988E+21	2,596855E+21	2,596781E+21	4,301739E+21	7,521816E+21
-1559	1,153508E+22	1,526618E+22	1,757442E+22	1,757450E+22	1,526648E+22	1,153550E+22	7,522098E+21	4,301876E+21	2,596835E+21	2,596849E+21	4,301998E+21	7,522438E+21
-1558	1,153590E+22	1,526667E+22	1,757441E+22	1,757416E+22	1,526607E+22	1,153521E+22	7,521869E+21	4,301631E+21	2,596645E+21	2,596750E+21	4,301898E+21	7,522094E+21
-1557	1,153521E+22	1,526574E+22	1,757370E+22	1,757423E+22	1,526666E+22	1,153587E+22	7,522414E+21	4,301943E+21	2,596674E+21	2,596537E+21	4,301525E+21	7,521799E+21
-1556	1,153543E+22	1,526678E+22	1,757482E+22	1,757470E+22	1,526662E+22	1,153554E+22	7,521939E+21	4,301552E+21	2,596456E+21	2,596491E+21	4,301711E+21	7,522239E+21
-1555	1,153579E+22	1,526679E+22	1,757466E+22	1,757446E+22	1,526645E+22	1,153551E+22	7,521952E+21	4,301450E+21	2,596265E+21	2,596247E+21	4,301321E+21	7,521634E+21
-1554	1,153513E+22	1,526621E+22	1,757460E+22	1,757497E+22	1,526696E+22	1,153582E+22	7,522144E+21	4,301545E+21	2,596233E+21	2,596122E+21	4,301238E+21	7,521802E+21
-1553	1,153579E+22	1,526731E+22	1,757547E+22	1,757532E+22	1,526680E+22	1,153530E+22	7,521514E+21	4,301049E+21	2,595959E+21	2,596072E+21	4,301429E+21	7,522076E+21
-1552	1,153570E+22	1,526677E+22	1,757482E+22	1,757503E+22	1,526708E+22	1,153581E+22	7,521881E+21	4,301150E+21	2,595861E+21	2,595824E+21	4,301011E+21	7,521572E+21
-1551	1,153534E+22	1,526686E+22	1,757546E+22	1,757558E+22	1,526727E+22	1,153583E+22	7,521873E+21	4,301143E+21	2,595845E+21	2,595812E+21	4,301108E+21	7,522022E+21
-1550	1,153625E+22	1,526773E+22	1,757582E+22	1,757542E+22	1,526679E+22	1,153535E+22	7,521502E+21	4,300889E+21	2,595743E+21	2,595858E+21	4,301179E+21	7,521786E+21
-1549	1,153554E+22	1,526670E+22	1,757486E+22	1,757520E+22	1,526716E+22	1,153591E+22	7,522078E+21	4,301359E+21	2,596004E+21	2,595892E+21	4,300988E+21	7,521440E+21
-1548	1,153531E+22	1,526709E+22	1,757556E+22	1,757554E+22	1,526719E+22	1,153570E+22	7,521814E+21	4,301286E+21	2,596140E+21	2,596177E+21	4,301451E+21	7,522109E+21
-1547	1,153581E+22	1,526696E+22	1,757501E+22	1,757484E+22	1,526664E+22	1,153548E+22	7,521800E+21	4,301337E+21	2,596253E+21	2,596331E+21	4,301497E+21	7,521835E+21
-1546	1,153516E+22	1,526587E+22	1,757398E+22	1,757445E+22	1,526672E+22	1,153583E+22	7,522317E+21	4,301844E+21	2,596612E+21	2,596530E+21	4,301591E+21	7,521948E+21
-1545	1,153558E+22	1,526671E+22	1,757454E+22	1,757438E+22	1,526623E+22	1,153522E+22	7,521865E+21	4,301688E+21	2,596713E+21	2,596818E+21	4,302042E+21	7,522419E+21
-1544	1,153565E+22	1,526620E+22	1,757368E+22	1,757355E+22	1,526592E+22	1,153538E+22	7,522207E+21	4,301994E+21	2,596934E+21	2,596928E+21	4,301905E+21	7,521924E+21
-1543	1,153495E+22	1,526570E+22	1,757376E+22	1,757384E+22	1,526604E+22	1,153546E+22	7,522387E+21	4,302269E+21	2,597191E+21	2,597121E+21	4,302098E+21	7,522293E+21
-1542	1,153567E+22	1,526646E+22	1,757411E+22	1,757376E+22	1,526563E+22	1,153491E+22	7,521912E+21	4,302002E+21	2,597172E+21	2,597317E+21	4,302415E+21	7,522397E+21
-1541	1,153519E+22	1,526541E+22	1,757291E+22	1,757323E+22	1,526591E+22	1,153551E+22	7,522479E+21	4,302386E+21	2,597335E+21	2,597265E+21	4,302143E+21	7,522005E+21
-1540	1,153490E+22	1,526563E+22	1,757360E+22	1,757375E+22	1,526611E+22	1,153549E+22	7,522337E+21	4,302283E+21	2,597301E+21	2,597291E+21	4,302327E+21	7,522562E+21
-1539	1,153573E+22	1,526615E+22	1,757362E+22	1,757344E+22	1,526568E+22	1,153515E+22	7,522097E+21	4,302047E+21	2,597114E+21	2,597180E+21	4,302188E+21	7,522190E+21
-1538	1,153513E+22	1,526540E+22	1,757298E+22	1,757334E+22	1,526600E+22	1,153561E+22	7,522542E+21	4,302315E+21	2,597133E+21	2,596989E+21	4,301875E+21	7,521913E+21
-1537	1,153522E+22	1,526635E+22	1,757428E+22	1,757407E+22	1,526601E+22	1,153518E+22	7,522001E+21	4,301905E+21	2,596902E+21	2,596934E+21	4,302063E+21	7,522359E+21
-1536	1,153555E+22	1,526621E+22	1,757398E+22	1,757389E+22	1,526606E+22	1,153532E+22	7,522023E+21	4,301767E+21	2,596704E+21	2,596718E+21	4,301744E+21	7,521850E+21
-1535	1,153495E+22	1,526574E+22	1,757403E+22	1,757440E+22	1,526657E+22	1,153565E+22	7,522203E+21	4,301813E+21	2,596615E+21	2,596529E+21	4,301602E+21	7,522040E+21
-1534	1,153577E+22	1,526694E+22	1,757484E+22	1,757469E+22	1,526643E+22	1,153520E+22	7,521638E+21	4,301323E+21	2,596323E+21	2,596462E+21	4,301755E+21	7,522230E+21
-1533	1,153564E+22	1,526642E+22	1,757411E+22	1,757421E+22	1,526654E+22	1,153566E+22	7,522071E+21	4,301536E+21	2,596309E+21	2,596250E+21	4,301324E+21	7,521670E+21
-1532	1,153517E+22	1,526649E+22	1,757486E+22	1,757491E+22	1,526682E+22	1,153571E+22	7,522063E+21	4,301574E+21	2,596358E+21	2,596289E+21	4,301423E+21	7,522044E+21
-1531	1,153591E+22	1,526712E+22	1,757513E+22	1,757487E+22	1,526645E+22	1,153523E+22	7,521696E+21	4,301347E+21	2,596303E+21	2,596396E+21	4,301568E+21	7,521900E+21
-1530	1,153531E+22	1,526608E+22	1,757396E+22	1,757432E+22	1,526662E+22	1,153571E+22	7,522219E+21	4,301779E+21	2,596561E+21	2,596476E+21	4,301495E+21	7,521687E+21
-1529	1,153508E+22	1,526641E+22	1,757466E+22	1,757464E+22	1,526655E+22	1,153546E+22	7,521980E+21	4,301719E+21	2,596677E+21	2,596725E+21	4,301917E+21	7,522357E+21
-1528	1,153566E+22	1,526631E+22	1,757402E+22	1,757389E+22	1,526604E+22	1,153530E+22	7,522003E+21	4,301785E+21	2,596803E+21	2,596893E+21	4,301971E+21	7,522078E+21
-1527	1,153506E+22	1,526544E+22	1,757326E+22	1,757355E+22	1,526605E+22	1,153556E+22	7,522458E+21	4,302269E+21	2,597143E+21	2,597048E+21	4,301989E+21	7,522120E+21
-1526	1,153548E+22	1,526634E+22	1,757392E+22	1,757362E+22	1,526563E+22	1,153498E+22	7,522011E+21	4,302102E+21	2,597248E+21	2,597362E+21	4,302457E+21	7,522524E+21
-1525	1,153541E+22	1,526566E+22	1,757293E+22	1,757278E+22	1,526533E+22	1,153513E+22	7,522371E+21	4,302465E+21	2,597521E+21	2,597509E+21	4,302366E+21	7,522080E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1524	1,153466E+22	1,526505E+22	1,757296E+22	1,757318E+22	1,526569E+22	1,153536E+22	7,522553E+21	4,302711E+21	2,597760E+21	2,597687E+21	4,302544E+21	7,522465E+21
-1523	1,153541E+22	1,526576E+22	1,757321E+22	1,757306E+22	1,526531E+22	1,153489E+22	7,522144E+21	4,302437E+21	2,597702E+21	2,597838E+21	4,302824E+21	7,522613E+21
-1522	1,153512E+22	1,526490E+22	1,757198E+22	1,757223E+22	1,526529E+22	1,153534E+22	7,522662E+21	4,302780E+21	2,597816E+21	2,597747E+21	4,302538E+21	7,522196E+21
-1521	1,153478E+22	1,526520E+22	1,757291E+22	1,757292E+22	1,526545E+22	1,153523E+22	7,522501E+21	4,302683E+21	2,597757E+21	2,597721E+21	4,302631E+21	7,522635E+21
-1520	1,153553E+22	1,526570E+22	1,757299E+22	1,757276E+22	1,526516E+22	1,153495E+22	7,522234E+21	4,302423E+21	2,597578E+21	2,597642E+21	4,302540E+21	7,522267E+21
-1519	1,153486E+22	1,526495E+22	1,757252E+22	1,757282E+22	1,526556E+22	1,153537E+22	7,522589E+21	4,302617E+21	2,597547E+21	2,597413E+21	4,302224E+21	7,522057E+21
-1518	1,153506E+22	1,526588E+22	1,757370E+22	1,757357E+22	1,526573E+22	1,153507E+22	7,522070E+21	4,302154E+21	2,597274E+21	2,597352E+21	4,302435E+21	7,522541E+21
-1517	1,153541E+22	1,526570E+22	1,757321E+22	1,757314E+22	1,526560E+22	1,153520E+22	7,522171E+21	4,302086E+21	2,597100E+21	2,597126E+21	4,302104E+21	7,522064E+21
-1516	1,153489E+22	1,526530E+22	1,757332E+22	1,757374E+22	1,526621E+22	1,153558E+22	7,522368E+21	4,302159E+21	2,597029E+21	2,596924E+21	4,301896E+21	7,522160E+21
-1515	1,153567E+22	1,526655E+22	1,757421E+22	1,757404E+22	1,526604E+22	1,153513E+22	7,521842E+21	4,301717E+21	2,596778E+21	2,596880E+21	4,302034E+21	7,522312E+21
-1514	1,153555E+22	1,526609E+22	1,757348E+22	1,757337E+22	1,526590E+22	1,153542E+22	7,522208E+21	4,301930E+21	2,596803E+21	2,596742E+21	4,301702E+21	7,521773E+21
-1513	1,153491E+22	1,526596E+22	1,757426E+22	1,757427E+22	1,526627E+22	1,153542E+22	7,522186E+21	4,301991E+21	2,596877E+21	2,596809E+21	4,301827E+21	7,522156E+21
-1512	1,153561E+22	1,526641E+22	1,757428E+22	1,757415E+22	1,526604E+22	1,153510E+22	7,521843E+21	4,301755E+21	2,596846E+21	2,596967E+21	4,302060E+21	7,522126E+21
-1511	1,153509E+22	1,526547E+22	1,757317E+22	1,757347E+22	1,526606E+22	1,153552E+22	7,522358E+21	4,302163E+21	2,597065E+21	2,596999E+21	4,301947E+21	7,521955E+21
-1510	1,153503E+22	1,526589E+22	1,757381E+22	1,757375E+22	1,526598E+22	1,153529E+22	7,522152E+21	4,302109E+21	2,597176E+21	2,597242E+21	4,302332E+21	7,522528E+21
-1509	1,153554E+22	1,526582E+22	1,757315E+22	1,757287E+22	1,526530E+22	1,153506E+22	7,522214E+21	4,302271E+21	2,597375E+21	2,597443E+21	4,302390E+21	7,522221E+21
-1508	1,153486E+22	1,526496E+22	1,757255E+22	1,757281E+22	1,526551E+22	1,153534E+22	7,522627E+21	4,302752E+21	2,597744E+21	2,597625E+21	4,302400E+21	7,522204E+21
-1507	1,153518E+22	1,526570E+22	1,757318E+22	1,757299E+22	1,526525E+22	1,153485E+22	7,522201E+21	4,302582E+21	2,597851E+21	2,597951E+21	4,302906E+21	7,522691E+21
-1506	1,153521E+22	1,526505E+22	1,757205E+22	1,757191E+22	1,526479E+22	1,153496E+22	7,522519E+21	4,302885E+21	2,598083E+21	2,598098E+21	4,302876E+21	7,522337E+21
-1505	1,153448E+22	1,526442E+22	1,757212E+22	1,757238E+22	1,526513E+22	1,153517E+22	7,522741E+21	4,303130E+21	2,598266E+21	2,598198E+21	4,302962E+21	7,522660E+21
-1504	1,153526E+22	1,526516E+22	1,757232E+22	1,757225E+22	1,526485E+22	1,153480E+22	7,522359E+21	4,302854E+21	2,598198E+21	2,598332E+21	4,303224E+21	7,522779E+21
-1503	1,153499E+22	1,526453E+22	1,757140E+22	1,757145E+22	1,526470E+22	1,153515E+22	7,522808E+21	4,303149E+21	2,598264E+21	2,598184E+21	4,302874E+21	7,522323E+21
-1502	1,153465E+22	1,526479E+22	1,757234E+22	1,757227E+22	1,526493E+22	1,153503E+22	7,522619E+21	4,303015E+21	2,598191E+21	2,598168E+21	4,302971E+21	7,522689E+21
-1501	1,153526E+22	1,526514E+22	1,757229E+22	1,757208E+22	1,526466E+22	1,153473E+22	7,522355E+21	4,302791E+21	2,598043E+21	2,598113E+21	4,302940E+21	7,522435E+21
-1500	1,153466E+22	1,526439E+22	1,757178E+22	1,757222E+22	1,526523E+22	1,153524E+22	7,522671E+21	4,302932E+21	2,597981E+21	2,597857E+21	4,302590E+21	7,522236E+21
-1499	1,153493E+22	1,526535E+22	1,757292E+22	1,757290E+22	1,526538E+22	1,153502E+22	7,522235E+21	4,302486E+21	2,597686E+21	2,597753E+21	4,302759E+21	7,522747E+21
-1498	1,153545E+22	1,526537E+22	1,757250E+22	1,757227E+22	1,526499E+22	1,153499E+22	7,522287E+21	4,302407E+21	2,597502E+21	2,597528E+21	4,302430E+21	7,522222E+21
-1497	1,153483E+22	1,526501E+22	1,757282E+22	1,757306E+22	1,526559E+22	1,153532E+22	7,522504E+21	4,302520E+21	2,597448E+21	2,597320E+21	4,302161E+21	7,522178E+21
-1496	1,153545E+22	1,526612E+22	1,757368E+22	1,757350E+22	1,526563E+22	1,153498E+22	7,521996E+21	4,302102E+21	2,597256E+21	2,597354E+21	4,302383E+21	7,522347E+21
-1495	1,153523E+22	1,526561E+22	1,757300E+22	1,757285E+22	1,526549E+22	1,153523E+22	7,522306E+21	4,302280E+21	2,597272E+21	2,597227E+21	4,302100E+21	7,521918E+21
-1494	1,153468E+22	1,526533E+22	1,757350E+22	1,757364E+22	1,526592E+22	1,153535E+22	7,522333E+21	4,302334E+21	2,597351E+21	2,597323E+21	4,302260E+21	7,522316E+21
-1493	1,153537E+22	1,526571E+22	1,757331E+22	1,757325E+22	1,526549E+22	1,153499E+22	7,522073E+21	4,302198E+21	2,597375E+21	2,597502E+21	4,302522E+21	7,522374E+21
-1492	1,153498E+22	1,526488E+22	1,757222E+22	1,757259E+22	1,526554E+22	1,153538E+22	7,522559E+21	4,302624E+21	2,597623E+21	2,597536E+21	4,302356E+21	7,522124E+21
-1491	1,153491E+22	1,526539E+22	1,757297E+22	1,757286E+22	1,526538E+22	1,153514E+22	7,522392E+21	4,302612E+21	2,597768E+21	2,597799E+21	4,302745E+21	7,522690E+21
-1490	1,153543E+22	1,526537E+22	1,757238E+22	1,757191E+22	1,526451E+22	1,153471E+22	7,522351E+21	4,302746E+21	2,597985E+21	2,598060E+21	4,302894E+21	7,522409E+21
-1489	1,153462E+22	1,526436E+22	1,757184E+22	1,757208E+22	1,526488E+22	1,153503E+22	7,522753E+21	4,303204E+21	2,598331E+21	2,598228E+21	4,302894E+21	7,522393E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1488	1,153492E+22	1,526500E+22	1,757228E+22	1,757224E+22	1,526484E+22	1,153475E+22	7,522374E+21	4,303010E+21	2,598421E+21	2,598553E+21	4,303425E+21	7,522934E+21
-1487	1,153503E+22	1,526450E+22	1,757127E+22	1,757108E+22	1,526425E+22	1,153482E+22	7,522682E+21	4,303267E+21	2,598574E+21	2,598604E+21	4,303306E+21	7,522582E+21
-1486	1,153445E+22	1,526396E+22	1,757133E+22	1,757158E+22	1,526463E+22	1,153506E+22	7,522925E+21	4,303502E+21	2,598730E+21	2,598665E+21	4,303311E+21	7,522747E+21
-1485	1,153508E+22	1,526469E+22	1,757155E+22	1,757136E+22	1,526420E+22	1,153461E+22	7,522571E+21	4,303296E+21	2,598698E+21	2,598800E+21	4,303565E+21	7,522856E+21
-1484	1,153474E+22	1,526400E+22	1,757072E+22	1,757083E+22	1,526425E+22	1,153495E+22	7,522949E+21	4,303554E+21	2,598760E+21	2,598654E+21	4,303208E+21	7,522376E+21
-1483	1,153438E+22	1,526421E+22	1,757164E+22	1,757170E+22	1,526458E+22	1,153492E+22	7,522773E+21	4,303390E+21	2,598659E+21	2,598626E+21	4,303342E+21	7,522853E+21
-1482	1,153511E+22	1,526462E+22	1,757150E+22	1,757127E+22	1,526411E+22	1,153453E+22	7,522447E+21	4,303104E+21	2,598468E+21	2,598567E+21	4,303355E+21	7,522679E+21
-1481	1,153459E+22	1,526395E+22	1,757112E+22	1,757155E+22	1,526470E+22	1,153504E+22	7,522790E+21	4,303235E+21	2,598359E+21	2,598246E+21	4,302915E+21	7,522407E+21
-1480	1,153489E+22	1,526497E+22	1,757226E+22	1,757225E+22	1,526497E+22	1,153491E+22	7,522384E+21	4,302815E+21	2,598088E+21	2,598153E+21	4,303068E+21	7,522845E+21
-1479	1,153535E+22	1,526516E+22	1,757212E+22	1,757168E+22	1,526448E+22	1,153479E+22	7,522393E+21	4,302718E+21	2,597895E+21	2,597911E+21	4,302713E+21	7,522299E+21
-1478	1,153469E+22	1,526466E+22	1,757238E+22	1,757259E+22	1,526518E+22	1,153515E+22	7,522612E+21	4,302845E+21	2,597881E+21	2,597765E+21	4,302487E+21	7,522182E+21
-1477	1,153508E+22	1,526548E+22	1,757296E+22	1,757289E+22	1,526522E+22	1,153484E+22	7,522164E+21	4,302509E+21	2,597759E+21	2,597861E+21	4,302808E+21	7,522505E+21
-1476	1,153495E+22	1,526489E+22	1,757211E+22	1,757219E+22	1,526516E+22	1,153516E+22	7,522478E+21	4,302678E+21	2,597787E+21	2,597751E+21	4,302537E+21	7,522129E+21
-1475	1,153453E+22	1,526467E+22	1,757250E+22	1,757275E+22	1,526544E+22	1,153530E+22	7,522584E+21	4,302776E+21	2,597874E+21	2,597835E+21	4,302690E+21	7,522568E+21
-1474	1,153534E+22	1,526524E+22	1,757236E+22	1,757213E+22	1,526469E+22	1,153471E+22	7,522245E+21	4,302642E+21	2,597922E+21	2,598049E+21	4,302978E+21	7,522605E+21
-1473	1,153491E+22	1,526449E+22	1,757152E+22	1,757170E+22	1,526473E+22	1,153502E+22	7,522702E+21	4,303073E+21	2,598178E+21	2,598084E+21	4,302768E+21	7,522245E+21
-1472	1,153471E+22	1,526487E+22	1,757225E+22	1,757215E+22	1,526482E+22	1,153489E+22	7,522535E+21	4,303068E+21	2,598360E+21	2,598401E+21	4,303223E+21	7,522827E+21
-1471	1,153517E+22	1,526488E+22	1,757179E+22	1,757127E+22	1,526401E+22	1,153448E+22	7,522448E+21	4,303139E+21	2,598527E+21	2,598628E+21	4,303380E+21	7,522641E+21
-1470	1,153446E+22	1,526378E+22	1,757105E+22	1,757138E+22	1,526445E+22	1,153494E+22	7,522914E+21	4,303582E+21	2,598846E+21	2,598775E+21	4,303344E+21	7,522552E+21
-1469	1,153467E+22	1,526432E+22	1,757133E+22	1,757136E+22	1,526431E+22	1,153468E+22	7,522651E+21	4,303482E+21	2,598959E+21	2,599079E+21	4,303853E+21	7,523133E+21
-1468	1,153489E+22	1,526392E+22	1,757037E+22	1,757027E+22	1,526379E+22	1,153471E+22	7,522920E+21	4,303731E+21	2,599111E+21	2,599106E+21	4,303662E+21	7,522678E+21
-1467	1,153427E+22	1,526343E+22	1,757049E+22	1,757073E+22	1,526408E+22	1,153494E+22	7,523183E+21	4,303982E+21	2,599270E+21	2,599160E+21	4,303670E+21	7,522843E+21
-1466	1,153485E+22	1,526416E+22	1,757078E+22	1,757050E+22	1,526349E+22	1,153428E+22	7,522691E+21	4,303720E+21	2,599233E+21	2,599334E+21	4,304004E+21	7,523024E+21
-1465	1,153451E+22	1,526343E+22	1,757002E+22	1,757015E+22	1,526365E+22	1,153464E+22	7,523020E+21	4,303910E+21	2,599237E+21	2,599150E+21	4,303628E+21	7,522564E+21
-1464	1,153419E+22	1,526363E+22	1,757084E+22	1,757100E+22	1,526416E+22	1,153478E+22	7,522883E+21	4,303714E+21	2,599101E+21	2,599099E+21	4,303763E+21	7,523072E+21
-1463	1,153504E+22	1,526430E+22	1,757093E+22	1,757059E+22	1,526360E+22	1,153434E+22	7,522528E+21	4,303372E+21	2,598831E+21	2,598945E+21	4,303683E+21	7,522886E+21
-1462	1,153462E+22	1,526370E+22	1,757060E+22	1,757095E+22	1,526427E+22	1,153489E+22	7,522889E+21	4,303507E+21	2,598720E+21	2,598609E+21	4,303166E+21	7,522428E+21
-1461	1,153469E+22	1,526461E+22	1,757173E+22	1,757164E+22	1,526451E+22	1,153478E+22	7,522569E+21	4,303190E+21	2,598517E+21	2,598553E+21	4,303349E+21	7,522874E+21
-1460	1,153507E+22	1,526465E+22	1,757155E+22	1,757129E+22	1,526422E+22	1,153468E+22	7,522537E+21	4,303091E+21	2,598357E+21	2,598354E+21	4,303027E+21	7,522336E+21
-1459	1,153438E+22	1,526404E+22	1,757160E+22	1,757203E+22	1,526492E+22	1,153513E+22	7,522825E+21	4,303244E+21	2,598362E+21	2,598240E+21	4,302887E+21	7,522359E+21
-1458	1,153485E+22	1,526482E+22	1,757203E+22	1,757201E+22	1,526464E+22	1,153467E+22	7,522331E+21	4,302898E+21	2,598252E+21	2,598376E+21	4,303276E+21	7,522780E+21
-1457	1,153485E+22	1,526433E+22	1,757124E+22	1,757132E+22	1,526449E+22	1,153493E+22	7,522656E+21	4,303080E+21	2,598274E+21	2,598249E+21	4,302963E+21	7,522362E+21
-1456	1,153448E+22	1,526423E+22	1,757163E+22	1,757183E+22	1,526481E+22	1,153510E+22	7,522769E+21	4,303209E+21	2,598406E+21	2,598369E+21	4,303120E+21	7,522738E+21
-1455	1,153524E+22	1,526498E+22	1,757178E+22	1,757129E+22	1,526396E+22	1,153439E+22	7,522355E+21	4,303043E+21	2,598442E+21	2,598572E+21	4,303395E+21	7,522776E+21
-1454	1,153478E+22	1,526409E+22	1,757094E+22	1,757109E+22	1,526420E+22	1,153474E+22	7,522782E+21	4,303461E+21	2,598721E+21	2,598648E+21	4,303201E+21	7,522341E+21
-1453	1,153438E+22	1,526422E+22	1,757143E+22	1,757144E+22	1,526435E+22	1,153472E+22	7,522706E+21	4,303524E+21	2,598941E+21	2,598987E+21	4,303710E+21	7,523034E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1452	1,153491E+22	1,526413E+22	1,757083E+22	1,757058E+22	1,526366E+22	1,153441E+22	7,522658E+21	4,303591E+21	2,599095E+21	2,599191E+21	4,303826E+21	7,522835E+21
-1451	1,153429E+22	1,526314E+22	1,757005E+22	1,757050E+22	1,526399E+22	1,153492E+22	7,523222E+21	4,304079E+21	2,599403E+21	2,599303E+21	4,303766E+21	7,522745E+21
-1450	1,153451E+22	1,526377E+22	1,757038E+22	1,757028E+22	1,526354E+22	1,153444E+22	7,522879E+21	4,303974E+21	2,599530E+21	2,599624E+21	4,304272E+21	7,523282E+21
-1449	1,153469E+22	1,526342E+22	1,756963E+22	1,756942E+22	1,526304E+22	1,153441E+22	7,523103E+21	4,304190E+21	2,599660E+21	2,599640E+21	4,304057E+21	7,522770E+21
-1448	1,153400E+22	1,526286E+22	1,756971E+22	1,757000E+22	1,526355E+22	1,153471E+22	7,523311E+21	4,304398E+21	2,599810E+21	2,599713E+21	4,304117E+21	7,522976E+21
-1447	1,153460E+22	1,526370E+22	1,757013E+22	1,756982E+22	1,526299E+22	1,153404E+22	7,522737E+21	4,304027E+21	2,599678E+21	2,599812E+21	4,304436E+21	7,523281E+21
-1446	1,153443E+22	1,526299E+22	1,756936E+22	1,756955E+22	1,526326E+22	1,153448E+22	7,523074E+21	4,304168E+21	2,599626E+21	2,599575E+21	4,303988E+21	7,522738E+21
-1445	1,153407E+22	1,526317E+22	1,757011E+22	1,757032E+22	1,526373E+22	1,153466E+22	7,523052E+21	4,304055E+21	2,599501E+21	2,599490E+21	4,304084E+21	7,523249E+21
-1444	1,153498E+22	1,526392E+22	1,757031E+22	1,757007E+22	1,526330E+22	1,153426E+22	7,522699E+21	4,303723E+21	2,599238E+21	2,599318E+21	4,303931E+21	7,522934E+21
-1443	1,153447E+22	1,526338E+22	1,757005E+22	1,757038E+22	1,526389E+22	1,153484E+22	7,523120E+21	4,303902E+21	2,599155E+21	2,599009E+21	4,303457E+21	7,522478E+21
-1442	1,153440E+22	1,526411E+22	1,757108E+22	1,757098E+22	1,526398E+22	1,153455E+22	7,522708E+21	4,303580E+21	2,598998E+21	2,599032E+21	4,303736E+21	7,523003E+21
-1441	1,153480E+22	1,526406E+22	1,757082E+22	1,757064E+22	1,526374E+22	1,153448E+22	7,522664E+21	4,303448E+21	2,598826E+21	2,598846E+21	4,303448E+21	7,522534E+21
-1440	1,153420E+22	1,526341E+22	1,757064E+22	1,757120E+22	1,526447E+22	1,153503E+22	7,522989E+21	4,303615E+21	2,598844E+21	2,598748E+21	4,303336E+21	7,522602E+21
-1439	1,153478E+22	1,526446E+22	1,757128E+22	1,757112E+22	1,526400E+22	1,153443E+22	7,522447E+21	4,303242E+21	2,598695E+21	2,598831E+21	4,303671E+21	7,523043E+21
-1438	1,153488E+22	1,526405E+22	1,757059E+22	1,757052E+22	1,526384E+22	1,153464E+22	7,522735E+21	4,303432E+21	2,598745E+21	2,598718E+21	4,303300E+21	7,522435E+21
-1437	1,153426E+22	1,526381E+22	1,757101E+22	1,757110E+22	1,526419E+22	1,153484E+22	7,522933E+21	4,303658E+21	2,598947E+21	2,598888E+21	4,303507E+21	7,522839E+21
-1436	1,153497E+22	1,526440E+22	1,757112E+22	1,757081E+22	1,526361E+22	1,153421E+22	7,522497E+21	4,303482E+21	2,599006E+21	2,599124E+21	4,303802E+21	7,522871E+21
-1435	1,153447E+22	1,526345E+22	1,757010E+22	1,757041E+22	1,526386E+22	1,153472E+22	7,523028E+21	4,303930E+21	2,599291E+21	2,599214E+21	4,303674E+21	7,522544E+21
-1434	1,153410E+22	1,526348E+22	1,757043E+22	1,757051E+22	1,526378E+22	1,153458E+22	7,522943E+21	4,304007E+21	2,599529E+21	2,599577E+21	4,304206E+21	7,523288E+21
-1433	1,153475E+22	1,526349E+22	1,756985E+22	1,756964E+22	1,526302E+22	1,153424E+22	7,522908E+21	4,304078E+21	2,599670E+21	2,599760E+21	4,304274E+21	7,523029E+21
-1432	1,153414E+22	1,526259E+22	1,756906E+22	1,756949E+22	1,526336E+22	1,153475E+22	7,523464E+21	4,304580E+21	2,599997E+21	2,599886E+21	4,304217E+21	7,522887E+21
-1431	1,153431E+22	1,526337E+22	1,756969E+22	1,756940E+22	1,526279E+22	1,153411E+22	7,523001E+21	4,304400E+21	2,600074E+21	2,600169E+21	4,304712E+21	7,523465E+21
-1430	1,153451E+22	1,526292E+22	1,756896E+22	1,756874E+22	1,526247E+22	1,153409E+22	7,523137E+21	4,304551E+21	2,600177E+21	2,600180E+21	4,304490E+21	7,522911E+21
-1429	1,153372E+22	1,526223E+22	1,756890E+22	1,756927E+22	1,526307E+22	1,153451E+22	7,523424E+21	4,304770E+21	2,600303E+21	2,600224E+21	4,304569E+21	7,523234E+21
-1428	1,153447E+22	1,526310E+22	1,756932E+22	1,756920E+22	1,526266E+22	1,153395E+22	7,522877E+21	4,304364E+21	2,600114E+21	2,600248E+21	4,304787E+21	7,523476E+21
-1427	1,153440E+22	1,526262E+22	1,756864E+22	1,756885E+22	1,526288E+22	1,153445E+22	7,523298E+21	4,304533E+21	2,600034E+21	2,599957E+21	4,304292E+21	7,522892E+21
-1426	1,153398E+22	1,526283E+22	1,756948E+22	1,756954E+22	1,526314E+22	1,153446E+22	7,523216E+21	4,304434E+21	2,599938E+21	2,599894E+21	4,304370E+21	7,523325E+21
-1425	1,153480E+22	1,526353E+22	1,756981E+22	1,756950E+22	1,526280E+22	1,153406E+22	7,522853E+21	4,304090E+21	2,599678E+21	2,599742E+21	4,304224E+21	7,522960E+21
-1424	1,153420E+22	1,526288E+22	1,756940E+22	1,756983E+22	1,526355E+22	1,153471E+22	7,523263E+21	4,304269E+21	2,599621E+21	2,599485E+21	4,303840E+21	7,522575E+21
-1423	1,153412E+22	1,526361E+22	1,757042E+22	1,757031E+22	1,526354E+22	1,153438E+22	7,522794E+21	4,303881E+21	2,599412E+21	2,599474E+21	4,304129E+21	7,523225E+21
-1422	1,153468E+22	1,526357E+22	1,757009E+22	1,756995E+22	1,526330E+22	1,153431E+22	7,522745E+21	4,303744E+21	2,599239E+21	2,599283E+21	4,303811E+21	7,522713E+21
-1421	1,153408E+22	1,526293E+22	1,756984E+22	1,757036E+22	1,526391E+22	1,153484E+22	7,523154E+21	4,303998E+21	2,599299E+21	2,599195E+21	4,303702E+21	7,522799E+21
-1420	1,153470E+22	1,526402E+22	1,757056E+22	1,757043E+22	1,526353E+22	1,153425E+22	7,522608E+21	4,303648E+21	2,599185E+21	2,599290E+21	4,303991E+21	7,523134E+21
-1419	1,153473E+22	1,526368E+22	1,757000E+22	1,756986E+22	1,526335E+22	1,153447E+22	7,522933E+21	4,303879E+21	2,599275E+21	2,599228E+21	4,303698E+21	7,522557E+21
-1418	1,153396E+22	1,526321E+22	1,757026E+22	1,757035E+22	1,526360E+22	1,153455E+22	7,523059E+21	4,304112E+21	2,599534E+21	2,599478E+21	4,303987E+21	7,523028E+21
-1417	1,153469E+22	1,526371E+22	1,757025E+22	1,757004E+22	1,526312E+22	1,153405E+22	7,522677E+21	4,303922E+21	2,599585E+21	2,599725E+21	4,304303E+21	7,523101E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1416	1,153427E+22	1,526277E+22	1,756906E+22	1,756946E+22	1,526335E+22	1,153464E+22	7,523272E+21	4,304405E+21	2,599882E+21	2,599824E+21	4,304184E+21	7,522781E+21
-1415	1,153396E+22	1,526298E+22	1,756952E+22	1,756948E+22	1,526308E+22	1,153436E+22	7,523131E+21	4,304452E+21	2,600077E+21	2,600126E+21	4,304650E+21	7,523513E+21
-1414	1,153467E+22	1,526307E+22	1,756908E+22	1,756874E+22	1,526235E+22	1,153396E+22	7,523033E+21	4,304511E+21	2,600227E+21	2,600305E+21	4,304668E+21	7,523119E+21
-1413	1,153387E+22	1,526204E+22	1,756828E+22	1,756864E+22	1,526271E+22	1,153448E+22	7,523630E+21	4,305048E+21	2,600569E+21	2,600446E+21	4,304655E+21	7,523043E+21
-1412	1,153404E+22	1,526269E+22	1,756891E+22	1,756880E+22	1,526240E+22	1,153391E+22	7,523128E+21	4,304815E+21	2,600610E+21	2,600701E+21	4,305126E+21	7,523623E+21
-1411	1,153430E+22	1,526235E+22	1,756818E+22	1,756804E+22	1,526208E+22	1,153401E+22	7,523326E+21	4,304943E+21	2,600661E+21	2,600672E+21	4,304928E+21	7,523150E+21
-1410	1,153355E+22	1,526166E+22	1,756807E+22	1,756844E+22	1,526251E+22	1,153433E+22	7,523584E+21	4,305154E+21	2,600777E+21	2,600699E+21	4,304970E+21	7,523470E+21
-1409	1,153443E+22	1,526268E+22	1,756860E+22	1,756844E+22	1,526216E+22	1,153382E+22	7,523072E+21	4,304739E+21	2,600561E+21	2,600684E+21	4,305112E+21	7,523597E+21
-1408	1,153430E+22	1,526227E+22	1,756798E+22	1,756810E+22	1,526241E+22	1,153434E+22	7,523498E+21	4,304930E+21	2,600498E+21	2,600405E+21	4,304609E+21	7,522938E+21
-1407	1,153378E+22	1,526253E+22	1,756903E+22	1,756893E+22	1,526261E+22	1,153422E+22	7,523316E+21	4,304774E+21	2,600371E+21	2,600322E+21	4,304691E+21	7,523411E+21
-1406	1,153457E+22	1,526307E+22	1,756927E+22	1,756901E+22	1,526241E+22	1,153381E+22	7,522871E+21	4,304389E+21	2,600111E+21	2,600186E+21	4,304565E+21	7,523037E+21
-1405	1,153388E+22	1,526222E+22	1,756861E+22	1,756912E+22	1,526315E+22	1,153459E+22	7,523389E+21	4,304605E+21	2,600058E+21	2,599940E+21	4,304245E+21	7,522806E+21
-1404	1,153397E+22	1,526296E+22	1,756959E+22	1,756966E+22	1,526318E+22	1,153429E+22	7,522944E+21	4,304216E+21	2,599833E+21	2,599893E+21	4,304465E+21	7,523406E+21
-1403	1,153464E+22	1,526318E+22	1,756935E+22	1,756915E+22	1,526281E+22	1,153421E+22	7,522951E+21	4,304126E+21	2,599673E+21	2,599704E+21	4,304157E+21	7,522880E+21
-1402	1,153396E+22	1,526254E+22	1,756917E+22	1,756950E+22	1,526323E+22	1,153455E+22	7,523285E+21	4,304409E+21	2,599804E+21	2,599681E+21	4,304064E+21	7,522926E+21
-1401	1,153454E+22	1,526358E+22	1,756996E+22	1,756974E+22	1,526296E+22	1,153401E+22	7,522750E+21	4,304061E+21	2,599717E+21	2,599821E+21	4,304386E+21	7,523228E+21
-1400	1,153447E+22	1,526311E+22	1,756925E+22	1,756918E+22	1,526295E+22	1,153433E+22	7,523089E+21	4,304307E+21	2,599838E+21	2,599813E+21	4,304174E+21	7,522721E+21
-1399	1,153372E+22	1,526265E+22	1,756948E+22	1,756957E+22	1,526310E+22	1,153438E+22	7,523194E+21	4,304498E+21	2,600055E+21	2,600029E+21	4,304462E+21	7,523285E+21
-1398	1,153456E+22	1,526312E+22	1,756940E+22	1,756923E+22	1,526261E+22	1,153388E+22	7,522820E+21	4,304330E+21	2,600117E+21	2,600265E+21	4,304734E+21	7,523285E+21
-1397	1,153409E+22	1,526217E+22	1,756812E+22	1,756848E+22	1,526275E+22	1,153449E+22	7,523524E+21	4,304895E+21	2,600451E+21	2,600377E+21	4,304629E+21	7,522990E+21
-1396	1,153381E+22	1,526239E+22	1,756868E+22	1,756866E+22	1,526252E+22	1,153419E+22	7,523357E+21	4,304943E+21	2,600655E+21	2,600672E+21	4,305035E+21	7,523604E+21
-1395	1,153444E+22	1,526256E+22	1,756835E+22	1,756795E+22	1,526178E+22	1,153377E+22	7,523256E+21	4,305005E+21	2,600808E+21	2,600876E+21	4,305134E+21	7,523283E+21
-1394	1,153357E+22	1,526136E+22	1,756742E+22	1,756779E+22	1,526206E+22	1,153417E+22	7,523736E+21	4,305497E+21	2,601160E+21	2,601044E+21	4,305157E+21	7,523288E+21
-1393	1,153385E+22	1,526203E+22	1,756801E+22	1,756795E+22	1,526187E+22	1,153375E+22	7,523284E+21	4,305214E+21	2,601144E+21	2,601255E+21	4,305592E+21	7,523867E+21
-1392	1,153421E+22	1,526183E+22	1,756732E+22	1,756719E+22	1,526159E+22	1,153391E+22	7,523519E+21	4,305345E+21	2,601161E+21	2,601183E+21	4,305346E+21	7,523354E+21
-1391	1,153352E+22	1,526136E+22	1,756742E+22	1,756761E+22	1,526188E+22	1,153410E+22	7,523707E+21	4,305502E+21	2,601212E+21	2,601125E+21	4,305291E+21	7,523597E+21
-1390	1,153435E+22	1,526239E+22	1,756811E+22	1,756783E+22	1,526167E+22	1,153359E+22	7,523153E+21	4,305079E+21	2,600997E+21	2,601095E+21	4,305375E+21	7,523579E+21
-1389	1,153400E+22	1,526180E+22	1,756746E+22	1,756755E+22	1,526200E+22	1,153418E+22	7,523633E+21	4,305292E+21	2,600945E+21	2,600844E+21	4,304944E+21	7,523012E+21
-1388	1,153346E+22	1,526183E+22	1,756835E+22	1,756849E+22	1,526237E+22	1,153413E+22	7,523439E+21	4,305102E+21	2,600794E+21	2,600745E+21	4,305014E+21	7,523494E+21
-1387	1,153433E+22	1,526248E+22	1,756853E+22	1,756839E+22	1,526211E+22	1,153381E+22	7,523062E+21	4,304721E+21	2,600511E+21	2,600603E+21	4,304953E+21	7,523254E+21
-1386	1,153372E+22	1,526163E+22	1,756776E+22	1,756826E+22	1,526256E+22	1,153439E+22	7,523526E+21	4,304957E+21	2,600493E+21	2,600379E+21	4,304624E+21	7,523047E+21
-1385	1,153397E+22	1,526254E+22	1,756882E+22	1,756878E+22	1,526260E+22	1,153413E+22	7,523118E+21	4,304584E+21	2,600283E+21	2,600339E+21	4,304809E+21	7,523550E+21
-1384	1,153458E+22	1,526286E+22	1,756873E+22	1,756836E+22	1,526222E+22	1,153402E+22	7,523116E+21	4,304530E+21	2,600173E+21	2,600201E+21	4,304533E+21	7,522981E+21
-1383	1,153381E+22	1,526222E+22	1,756867E+22	1,756883E+22	1,526260E+22	1,153423E+22	7,523344E+21	4,304766E+21	2,600294E+21	2,600187E+21	4,304471E+21	7,523074E+21
-1382	1,153434E+22	1,526308E+22	1,756934E+22	1,756917E+22	1,526255E+22	1,153377E+22	7,522786E+21	4,304414E+21	2,600229E+21	2,600350E+21	4,304807E+21	7,523365E+21
-1381	1,153420E+22	1,526244E+22	1,756839E+22	1,756839E+22	1,526252E+22	1,153424E+22	7,523273E+21	4,304719E+21	2,600368E+21	2,600363E+21	4,304651E+21	7,522980E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1380	1,153356E+22	1,526193E+22	1,756855E+22	1,756880E+22	1,526267E+22	1,153432E+22	7,523439E+21	4,304947E+21	2,600588E+21	2,600547E+21	4,304856E+21	7,523439E+21
-1379	1,153444E+22	1,526263E+22	1,756857E+22	1,756833E+22	1,526205E+22	1,153379E+22	7,523111E+21	4,304832E+21	2,600672E+21	2,600798E+21	4,305156E+21	7,523432E+21
-1378	1,153385E+22	1,526159E+22	1,756730E+22	1,756750E+22	1,526196E+22	1,153419E+22	7,523725E+21	4,305419E+21	2,601074E+21	2,600973E+21	4,305077E+21	7,523137E+21
-1377	1,153358E+22	1,526177E+22	1,756786E+22	1,756779E+22	1,526188E+22	1,153396E+22	7,523543E+21	4,305430E+21	2,601275E+21	2,601291E+21	4,305513E+21	7,523740E+21
-1376	1,153417E+22	1,526190E+22	1,756745E+22	1,756711E+22	1,526125E+22	1,153360E+22	7,523425E+21	4,305466E+21	2,601410E+21	2,601498E+21	4,305650E+21	7,523497E+21
-1375	1,153340E+22	1,526082E+22	1,756661E+22	1,756694E+22	1,526147E+22	1,153393E+22	7,523834E+21	4,305864E+21	2,601670E+21	2,601584E+21	4,305631E+21	7,523570E+21
-1374	1,153381E+22	1,526156E+22	1,756726E+22	1,756720E+22	1,526135E+22	1,153353E+22	7,523374E+21	4,305574E+21	2,601622E+21	2,601730E+21	4,305961E+21	7,524017E+21
-1373	1,153408E+22	1,526138E+22	1,756659E+22	1,756641E+22	1,526109E+22	1,153378E+22	7,523711E+21	4,305743E+21	2,601633E+21	2,601639E+21	4,305698E+21	7,523490E+21
-1372	1,153337E+22	1,526088E+22	1,756685E+22	1,756708E+22	1,526148E+22	1,153398E+22	7,523890E+21	4,305889E+21	2,601666E+21	2,601549E+21	4,305570E+21	7,523595E+21
-1371	1,153408E+22	1,526194E+22	1,756757E+22	1,756731E+22	1,526130E+22	1,153349E+22	7,523341E+21	4,305462E+21	2,601444E+21	2,601539E+21	4,305738E+21	7,523661E+21
-1370	1,153365E+22	1,526112E+22	1,756669E+22	1,756685E+22	1,526151E+22	1,153398E+22	7,523743E+21	4,305650E+21	2,601412E+21	2,601322E+21	4,305357E+21	7,523222E+21
-1369	1,153330E+22	1,526119E+22	1,756743E+22	1,756766E+22	1,526192E+22	1,153407E+22	7,523599E+21	4,305430E+21	2,601229E+21	2,601203E+21	4,305407E+21	7,523698E+21
-1368	1,153426E+22	1,526200E+22	1,756769E+22	1,756753E+22	1,526159E+22	1,153369E+22	7,523242E+21	4,305080E+21	2,600947E+21	2,601047E+21	4,305323E+21	7,523450E+21
-1367	1,153376E+22	1,526141E+22	1,756716E+22	1,756745E+22	1,526188E+22	1,153408E+22	7,523590E+21	4,305265E+21	2,600900E+21	2,600787E+21	4,304947E+21	7,523203E+21
-1366	1,153395E+22	1,526231E+22	1,756838E+22	1,756819E+22	1,526204E+22	1,153381E+22	7,523149E+21	4,304913E+21	2,600725E+21	2,600765E+21	4,305104E+21	7,523577E+21
-1365	1,153434E+22	1,526242E+22	1,756822E+22	1,756784E+22	1,526180E+22	1,153384E+22	7,523230E+21	4,304894E+21	2,600646E+21	2,600681E+21	4,304924E+21	7,523108E+21
-1364	1,153354E+22	1,526158E+22	1,756803E+22	1,756839E+22	1,526234E+22	1,153416E+22	7,523500E+21	4,305131E+21	2,600768E+21	2,600666E+21	4,304844E+21	7,523174E+21
-1363	1,153409E+22	1,526249E+22	1,756859E+22	1,756852E+22	1,526222E+22	1,153380E+22	7,523052E+21	4,304834E+21	2,600718E+21	2,600851E+21	4,305245E+21	7,523561E+21
-1362	1,153397E+22	1,526175E+22	1,756744E+22	1,756747E+22	1,526191E+22	1,153409E+22	7,523514E+21	4,305202E+21	2,600934E+21	2,600916E+21	4,305102E+21	7,523208E+21
-1361	1,153347E+22	1,526134E+22	1,756753E+22	1,756775E+22	1,526204E+22	1,153422E+22	7,523714E+21	4,305456E+21	2,601189E+21	2,601129E+21	4,305292E+21	7,523566E+21
-1360	1,153424E+22	1,526210E+22	1,756773E+22	1,756738E+22	1,526135E+22	1,153358E+22	7,523355E+21	4,305368E+21	2,601315E+21	2,601428E+21	4,305640E+21	7,523584E+21
-1359	1,153365E+22	1,526108E+22	1,756654E+22	1,756661E+22	1,526117E+22	1,153378E+22	7,523792E+21	4,305858E+21	2,601674E+21	2,601594E+21	4,305595E+21	7,523362E+21
-1358	1,153338E+22	1,526115E+22	1,756701E+22	1,756701E+22	1,526129E+22	1,153363E+22	7,523576E+21	4,305826E+21	2,601844E+21	2,601881E+21	4,306006E+21	7,523953E+21
-1357	1,153397E+22	1,526126E+22	1,756655E+22	1,756625E+22	1,526072E+22	1,153344E+22	7,523574E+21	4,305860E+21	2,601935E+21	2,602051E+21	4,306142E+21	7,523787E+21
-1356	1,153332E+22	1,526024E+22	1,756579E+22	1,756621E+22	1,526100E+22	1,153382E+22	7,524021E+21	4,306253E+21	2,602145E+21	2,602049E+21	4,305980E+21	7,523698E+21
-1355	1,153372E+22	1,526122E+22	1,756662E+22	1,756648E+22	1,526089E+22	1,153346E+22	7,523621E+21	4,305993E+21	2,602088E+21	2,602176E+21	4,306301E+21	7,524096E+21
-1354	1,153383E+22	1,526087E+22	1,756594E+22	1,756570E+22	1,526050E+22	1,153356E+22	7,523882E+21	4,306172E+21	2,602142E+21	2,602119E+21	4,306045E+21	7,523570E+21
-1353	1,153312E+22	1,526029E+22	1,756609E+22	1,756640E+22	1,526107E+22	1,153388E+22	7,524067E+21	4,306281E+21	2,602157E+21	2,602039E+21	4,305942E+21	7,523658E+21
-1352	1,153377E+22	1,526131E+22	1,756677E+22	1,756662E+22	1,526090E+22	1,153341E+22	7,523518E+21	4,305837E+21	2,601915E+21	2,602024E+21	4,306144E+21	7,523836E+21
-1351	1,153351E+22	1,526062E+22	1,756592E+22	1,756606E+22	1,526092E+22	1,153375E+22	7,523822E+21	4,305943E+21	2,601812E+21	2,601751E+21	4,305748E+21	7,523477E+21
-1350	1,153331E+22	1,526082E+22	1,756673E+22	1,756692E+22	1,526138E+22	1,153381E+22	7,523665E+21	4,305734E+21	2,601624E+21	2,601593E+21	4,305719E+21	7,523838E+21
-1349	1,153420E+22	1,526169E+22	1,756707E+22	1,756679E+22	1,526106E+22	1,153352E+22	7,523383E+21	4,305422E+21	2,601362E+21	2,601456E+21	4,305650E+21	7,523590E+21
-1348	1,153365E+22	1,526107E+22	1,756673E+22	1,756699E+22	1,526145E+22	1,153389E+22	7,523713E+21	4,305608E+21	2,601327E+21	2,601197E+21	4,305232E+21	7,523228E+21
-1347	1,153372E+22	1,526193E+22	1,756792E+22	1,756777E+22	1,526171E+22	1,153368E+22	7,523305E+21	4,305284E+21	2,601181E+21	2,601229E+21	4,305492E+21	7,523677E+21
-1346	1,153399E+22	1,526173E+22	1,756745E+22	1,756721E+22	1,526138E+22	1,153368E+22	7,523373E+21	4,305293E+21	2,601163E+21	2,601208E+21	4,305370E+21	7,523331E+21
-1345	1,153338E+22	1,526090E+22	1,756704E+22	1,756752E+22	1,526191E+22	1,153416E+22	7,523749E+21	4,305562E+21	2,601301E+21	2,601210E+21	4,305289E+21	7,523353E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1344	1,153392E+22	1,526189E+22	1,756762E+22	1,756754E+22	1,526164E+22	1,153371E+22	7,523341E+21	4,305332E+21	2,601292E+21	2,601409E+21	4,305675E+21	7,523734E+21
-1343	1,153388E+22	1,526132E+22	1,756661E+22	1,756648E+22	1,526111E+22	1,153377E+22	7,523668E+21	4,305659E+21	2,601504E+21	2,601482E+21	4,305546E+21	7,523390E+21
-1342	1,153334E+22	1,526089E+22	1,756678E+22	1,756691E+22	1,526130E+22	1,153383E+22	7,523799E+21	4,305909E+21	2,601778E+21	2,601707E+21	4,305728E+21	7,523667E+21
-1341	1,153393E+22	1,526146E+22	1,756689E+22	1,756658E+22	1,526077E+22	1,153332E+22	7,523483E+21	4,305811E+21	2,601900E+21	2,602033E+21	4,306158E+21	7,523817E+21
-1340	1,153341E+22	1,526039E+22	1,756573E+22	1,756596E+22	1,526073E+22	1,153361E+22	7,523919E+21	4,306247E+21	2,602202E+21	2,602141E+21	4,306052E+21	7,523571E+21
-1339	1,153323E+22	1,526061E+22	1,756623E+22	1,756627E+22	1,526083E+22	1,153354E+22	7,523794E+21	4,306238E+21	2,602343E+21	2,602399E+21	4,306465E+21	7,524181E+21
-1338	1,153380E+22	1,526066E+22	1,756567E+22	1,756540E+22	1,526013E+22	1,153327E+22	7,523788E+21	4,306314E+21	2,602472E+21	2,602569E+21	4,306551E+21	7,523989E+21
-1337	1,153325E+22	1,525979E+22	1,756495E+22	1,756531E+22	1,526047E+22	1,153376E+22	7,524281E+21	4,306714E+21	2,602685E+21	2,602564E+21	4,306341E+21	7,523744E+21
-1336	1,153346E+22	1,526074E+22	1,756595E+22	1,756573E+22	1,526035E+22	1,153333E+22	7,523871E+21	4,306476E+21	2,602642E+21	2,602703E+21	4,306675E+21	7,524164E+21
-1335	1,153357E+22	1,526034E+22	1,756525E+22	1,756502E+22	1,525992E+22	1,153325E+22	7,523955E+21	4,306542E+21	2,602638E+21	2,602631E+21	4,306472E+21	7,523751E+21
-1334	1,153293E+22	1,525970E+22	1,756526E+22	1,756570E+22	1,526059E+22	1,153362E+22	7,524111E+21	4,306602E+21	2,602606E+21	2,602503E+21	4,306338E+21	7,523841E+21
-1333	1,153358E+22	1,526073E+22	1,756592E+22	1,756584E+22	1,526043E+22	1,153328E+22	7,523655E+21	4,306156E+21	2,602324E+21	2,602453E+21	4,306540E+21	7,524098E+21
-1332	1,153347E+22	1,526021E+22	1,756529E+22	1,756542E+22	1,526044E+22	1,153357E+22	7,523944E+21	4,306245E+21	2,602183E+21	2,602111E+21	4,306022E+21	7,523589E+21
-1331	1,153327E+22	1,526064E+22	1,756629E+22	1,756634E+22	1,526090E+22	1,153366E+22	7,523827E+21	4,306073E+21	2,602013E+21	2,601974E+21	4,306014E+21	7,523900E+21
-1330	1,153397E+22	1,526129E+22	1,756657E+22	1,756625E+22	1,526056E+22	1,153328E+22	7,523500E+21	4,305795E+21	2,601825E+21	2,601901E+21	4,305980E+21	7,523683E+21
-1329	1,153344E+22	1,526055E+22	1,756603E+22	1,756641E+22	1,526115E+22	1,153384E+22	7,523872E+21	4,305979E+21	2,601808E+21	2,601684E+21	4,305607E+21	7,523301E+21
-1328	1,153340E+22	1,526132E+22	1,756715E+22	1,756714E+22	1,526138E+22	1,153367E+22	7,523534E+21	4,305697E+21	2,601685E+21	2,601737E+21	4,305902E+21	7,523861E+21
-1327	1,153384E+22	1,526117E+22	1,756659E+22	1,756639E+22	1,526080E+22	1,153347E+22	7,523515E+21	4,305670E+21	2,601650E+21	2,601713E+21	4,305807E+21	7,523584E+21
-1326	1,153332E+22	1,526040E+22	1,756611E+22	1,756661E+22	1,526128E+22	1,153390E+22	7,523898E+21	4,305986E+21	2,601818E+21	2,601715E+21	4,305687E+21	7,523506E+21
-1325	1,153373E+22	1,526140E+22	1,756678E+22	1,756662E+22	1,526098E+22	1,153350E+22	7,523541E+21	4,305790E+21	2,601845E+21	2,601958E+21	4,306120E+21	7,523916E+21
-1324	1,153367E+22	1,526081E+22	1,756595E+22	1,756577E+22	1,526046E+22	1,153347E+22	7,523806E+21	4,306099E+21	2,602062E+21	2,602035E+21	4,305971E+21	7,523510E+21
-1323	1,153310E+22	1,526037E+22	1,756608E+22	1,756622E+22	1,526078E+22	1,153360E+22	7,523942E+21	4,306342E+21	2,602338E+21	2,602294E+21	4,306238E+21	7,523871E+21
-1322	1,153363E+22	1,526072E+22	1,756592E+22	1,756573E+22	1,526020E+22	1,153310E+22	7,523625E+21	4,306254E+21	2,602486E+21	2,602633E+21	4,306672E+21	7,524114E+21
-1321	1,153332E+22	1,525977E+22	1,756468E+22	1,756498E+22	1,526022E+22	1,153355E+22	7,524153E+21	4,306699E+21	2,602767E+21	2,602710E+21	4,306505E+21	7,523767E+21
-1320	1,153309E+22	1,526011E+22	1,756536E+22	1,756537E+22	1,526026E+22	1,153343E+22	7,524080E+21	4,306747E+21	2,602920E+21	2,602942E+21	4,306857E+21	7,524327E+21
-1319	1,153369E+22	1,526025E+22	1,756495E+22	1,756456E+22	1,525943E+22	1,153297E+22	7,523944E+21	4,306763E+21	2,603022E+21	2,603101E+21	4,306942E+21	7,524104E+21
-1318	1,153306E+22	1,525934E+22	1,756427E+22	1,756463E+22	1,525990E+22	1,153346E+22	7,524397E+21	4,307144E+21	2,603221E+21	2,603082E+21	4,306722E+21	7,523793E+21
-1317	1,153307E+22	1,526009E+22	1,756517E+22	1,756507E+22	1,525993E+22	1,153318E+22	7,524019E+21	4,306866E+21	2,603143E+21	2,603218E+21	4,307112E+21	7,524338E+21
-1316	1,153329E+22	1,525969E+22	1,756452E+22	1,756442E+22	1,525954E+22	1,153313E+22	7,524082E+21	4,306868E+21	2,603065E+21	2,603072E+21	4,306848E+21	7,523939E+21
-1315	1,153281E+22	1,525925E+22	1,756454E+22	1,756501E+22	1,526017E+22	1,153351E+22	7,524276E+21	4,306925E+21	2,602997E+21	2,602915E+21	4,306714E+21	7,524048E+21
-1314	1,153346E+22	1,526024E+22	1,756512E+22	1,756505E+22	1,525990E+22	1,153310E+22	7,523807E+21	4,306520E+21	2,602755E+21	2,602867E+21	4,306871E+21	7,524296E+21
-1313	1,153347E+22	1,525993E+22	1,756463E+22	1,756467E+22	1,525998E+22	1,153348E+22	7,524116E+21	4,306612E+21	2,602628E+21	2,602541E+21	4,306328E+21	7,523647E+21
-1312	1,153307E+22	1,526029E+22	1,756580E+22	1,756577E+22	1,526044E+22	1,153348E+22	7,523999E+21	4,306477E+21	2,602495E+21	2,602433E+21	4,306343E+21	7,523982E+21
-1311	1,153375E+22	1,526080E+22	1,756596E+22	1,756570E+22	1,526010E+22	1,153301E+22	7,523547E+21	4,306123E+21	2,602286E+21	2,602382E+21	4,306383E+21	7,523869E+21
-1310	1,153327E+22	1,526003E+22	1,756525E+22	1,756573E+22	1,526072E+22	1,153363E+22	7,523951E+21	4,306311E+21	2,602259E+21	2,602153E+21	4,306004E+21	7,523477E+21
-1309	1,153318E+22	1,526070E+22	1,756625E+22	1,756630E+22	1,526091E+22	1,153358E+22	7,523731E+21	4,306078E+21	2,602150E+21	2,602212E+21	4,306307E+21	7,524076E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1308	1,153371E+22	1,526069E+22	1,756586E+22	1,756563E+22	1,526026E+22	1,153329E+22	7,523693E+21	4,306065E+21	2,602119E+21	2,602166E+21	4,306147E+21	7,523710E+21
-1307	1,153320E+22	1,526008E+22	1,756548E+22	1,756583E+22	1,526068E+22	1,153369E+22	7,524085E+21	4,306415E+21	2,602331E+21	2,602223E+21	4,306084E+21	7,523609E+21
-1306	1,153343E+22	1,526078E+22	1,756601E+22	1,756585E+22	1,526036E+22	1,153322E+22	7,523692E+21	4,306260E+21	2,602431E+21	2,602533E+21	4,306572E+21	7,524096E+21
-1305	1,153345E+22	1,526019E+22	1,756504E+22	1,756495E+22	1,526001E+22	1,153334E+22	7,523971E+21	4,306546E+21	2,602653E+21	2,602639E+21	4,306456E+21	7,523675E+21
-1304	1,153281E+22	1,525973E+22	1,756521E+22	1,756539E+22	1,526028E+22	1,153348E+22	7,524172E+21	4,306822E+21	2,602931E+21	2,602886E+21	4,306718E+21	7,524123E+21
-1303	1,153352E+22	1,526014E+22	1,756501E+22	1,756483E+22	1,525956E+22	1,153286E+22	7,523782E+21	4,306693E+21	2,603048E+21	2,603204E+21	4,307147E+21	7,524379E+21
-1302	1,153328E+22	1,525933E+22	1,756381E+22	1,756408E+22	1,525960E+22	1,153331E+22	7,524330E+21	4,307164E+21	2,603326E+21	2,603251E+21	4,306914E+21	7,523896E+21
-1301	1,153287E+22	1,525961E+22	1,756460E+22	1,756453E+22	1,525968E+22	1,153327E+22	7,524314E+21	4,307230E+21	2,603490E+21	2,603495E+21	4,307277E+21	7,524448E+21
-1300	1,153340E+22	1,525971E+22	1,756435E+22	1,756396E+22	1,525892E+22	1,153274E+22	7,524095E+21	4,307193E+21	2,603555E+21	2,603626E+21	4,307342E+21	7,524202E+21
-1299	1,153276E+22	1,525876E+22	1,756356E+22	1,756399E+22	1,525949E+22	1,153330E+22	7,524533E+21	4,307523E+21	2,603717E+21	2,603609E+21	4,307187E+21	7,523984E+21
-1298	1,153276E+22	1,525931E+22	1,756420E+22	1,756423E+22	1,525944E+22	1,153303E+22	7,524164E+21	4,307243E+21	2,603631E+21	2,603719E+21	4,307552E+21	7,524624E+21
-1297	1,153325E+22	1,525915E+22	1,756353E+22	1,756347E+22	1,525906E+22	1,153306E+22	7,524264E+21	4,307233E+21	2,603517E+21	2,603526E+21	4,307210E+21	7,524112E+21
-1296	1,153274E+22	1,525891E+22	1,756388E+22	1,756421E+22	1,525961E+22	1,153336E+22	7,524473E+21	4,307326E+21	2,603453E+21	2,603335E+21	4,307013E+21	7,524189E+21
-1295	1,153344E+22	1,525997E+22	1,756460E+22	1,756436E+22	1,525927E+22	1,153276E+22	7,523866E+21	4,306855E+21	2,603192E+21	2,603294E+21	4,307183E+21	7,524396E+21
-1294	1,153334E+22	1,525960E+22	1,756413E+22	1,756414E+22	1,525951E+22	1,153318E+22	7,524161E+21	4,306936E+21	2,603055E+21	2,602966E+21	4,306645E+21	7,523697E+21
-1293	1,153276E+22	1,525975E+22	1,756519E+22	1,756526E+22	1,526015E+22	1,153339E+22	7,524115E+21	4,306794E+21	2,602918E+21	2,602875E+21	4,306715E+21	7,524128E+21
-1292	1,153349E+22	1,526024E+22	1,756535E+22	1,756516E+22	1,525977E+22	1,153292E+22	7,523679E+21	4,306428E+21	2,602681E+21	2,602788E+21	4,306716E+21	7,524021E+21
-1291	1,153314E+22	1,525959E+22	1,756455E+22	1,756503E+22	1,526032E+22	1,153356E+22	7,524148E+21	4,306663E+21	2,602682E+21	2,602593E+21	4,306378E+21	7,523639E+21
-1290	1,153299E+22	1,526011E+22	1,756537E+22	1,756541E+22	1,526034E+22	1,153343E+22	7,523944E+21	4,306520E+21	2,602663E+21	2,602699E+21	4,306676E+21	7,524237E+21
-1289	1,153360E+22	1,526025E+22	1,756503E+22	1,756471E+22	1,525970E+22	1,153316E+22	7,523911E+21	4,306538E+21	2,602687E+21	2,602714E+21	4,306546E+21	7,523795E+21
-1288	1,153293E+22	1,525955E+22	1,756480E+22	1,756508E+22	1,526009E+22	1,153344E+22	7,524274E+21	4,306919E+21	2,602944E+21	2,602817E+21	4,306540E+21	7,523793E+21
-1287	1,153321E+22	1,526013E+22	1,756514E+22	1,756503E+22	1,525973E+22	1,153288E+22	7,523756E+21	4,306681E+21	2,603022E+21	2,603152E+21	4,307103E+21	7,524381E+21
-1286	1,153333E+22	1,525959E+22	1,756411E+22	1,756405E+22	1,525941E+22	1,153308E+22	7,524084E+21	4,306964E+21	2,603212E+21	2,603224E+21	4,306955E+21	7,523927E+21
-1285	1,153266E+22	1,525913E+22	1,756427E+22	1,756446E+22	1,525971E+22	1,153335E+22	7,524384E+21	4,307269E+21	2,603487E+21	2,603450E+21	4,307183E+21	7,524347E+21
-1284	1,153339E+22	1,525969E+22	1,756432E+22	1,756404E+22	1,525900E+22	1,153268E+22	7,523981E+21	4,307145E+21	2,603590E+21	2,603725E+21	4,307526E+21	7,524491E+21
-1283	1,153311E+22	1,525895E+22	1,756321E+22	1,756335E+22	1,525907E+22	1,153313E+22	7,524535E+21	4,307619E+21	2,603881E+21	2,603804E+21	4,307335E+21	7,523979E+21
-1282	1,153249E+22	1,525885E+22	1,756374E+22	1,756379E+22	1,525918E+22	1,153309E+22	7,524505E+21	4,307707E+21	2,604074E+21	2,604066E+21	4,307720E+21	7,524601E+21
-1281	1,153314E+22	1,525901E+22	1,756337E+22	1,756314E+22	1,525855E+22	1,153270E+22	7,524292E+21	4,307624E+21	2,604102E+21	2,604181E+21	4,307795E+21	7,524375E+21
-1280	1,153252E+22	1,525813E+22	1,756269E+22	1,756312E+22	1,525896E+22	1,153318E+22	7,524747E+21	4,307948E+21	2,604224E+21	2,604107E+21	4,307600E+21	7,524241E+21
-1279	1,153272E+22	1,525877E+22	1,756331E+22	1,756332E+22	1,525878E+22	1,153276E+22	7,524268E+21	4,307597E+21	2,604086E+21	2,604179E+21	4,307936E+21	7,524865E+21
-1278	1,153330E+22	1,525887E+22	1,756287E+22	1,756266E+22	1,525842E+22	1,153277E+22	7,524356E+21	4,307576E+21	2,603943E+21	2,603944E+21	4,307526E+21	7,524216E+21
-1277	1,153261E+22	1,525860E+22	1,756338E+22	1,756356E+22	1,525909E+22	1,153315E+22	7,524591E+21	4,307670E+21	2,603885E+21	2,603763E+21	4,307334E+21	7,524263E+21
-1276	1,153321E+22	1,525960E+22	1,756426E+22	1,756398E+22	1,525891E+22	1,153255E+22	7,523931E+21	4,307162E+21	2,603600E+21	2,603700E+21	4,307489E+21	7,524461E+21
-1275	1,153311E+22	1,525916E+22	1,756363E+22	1,756370E+22	1,525926E+22	1,153308E+22	7,524251E+21	4,307218E+21	2,603454E+21	2,603399E+21	4,307018E+21	7,523833E+21
-1274	1,153247E+22	1,525901E+22	1,756432E+22	1,756455E+22	1,525979E+22	1,153333E+22	7,524295E+21	4,307147E+21	2,603354E+21	2,603315E+21	4,307078E+21	7,524321E+21
-1273	1,153340E+22	1,525970E+22	1,756443E+22	1,756430E+22	1,525937E+22	1,153291E+22	7,523911E+21	4,306827E+21	2,603146E+21	2,603240E+21	4,307056E+21	7,524132E+21



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1272	1,153298E+22	1,525916E+22	1,756385E+22	1,756417E+22	1,525971E+22	1,153341E+22	7,524391E+21	4,307130E+21	2,603206E+21	2,603074E+21	4,306723E+21	7,523779E+21
-1271	1,153286E+22	1,525963E+22	1,756465E+22	1,756457E+22	1,525964E+22	1,153309E+22	7,524049E+21	4,306945E+21	2,603210E+21	2,603244E+21	4,307094E+21	7,524388E+21
-1270	1,153344E+22	1,525975E+22	1,756431E+22	1,756396E+22	1,525909E+22	1,153282E+22	7,523986E+21	4,306949E+21	2,603235E+21	2,603282E+21	4,307010E+21	7,523953E+21
-1269	1,153265E+22	1,525891E+22	1,756400E+22	1,756433E+22	1,525961E+22	1,153326E+22	7,524395E+21	4,307314E+21	2,603488E+21	2,603397E+21	4,307047E+21	7,524046E+21
-1268	1,153302E+22	1,525955E+22	1,756441E+22	1,756430E+22	1,525924E+22	1,153271E+22	7,523898E+21	4,307068E+21	2,603530E+21	2,603680E+21	4,307549E+21	7,524620E+21
-1267	1,153325E+22	1,525913E+22	1,756336E+22	1,756327E+22	1,525892E+22	1,153295E+22	7,524281E+21	4,307379E+21	2,603735E+21	2,603766E+21	4,307403E+21	7,524118E+21
-1266	1,153248E+22	1,525853E+22	1,756337E+22	1,756354E+22	1,525914E+22	1,153322E+22	7,524644E+21	4,307774E+21	2,604075E+21	2,604012E+21	4,307600E+21	7,524490E+21
-1265	1,153322E+22	1,525917E+22	1,756345E+22	1,756314E+22	1,525847E+22	1,153258E+22	7,524248E+21	4,307671E+21	2,604209E+21	2,604317E+21	4,307947E+21	7,524549E+21
-1264	1,153275E+22	1,525830E+22	1,756245E+22	1,756258E+22	1,525851E+22	1,153295E+22	7,524770E+21	4,308148E+21	2,604508E+21	2,604405E+21	4,307803E+21	7,524174E+21
-1263	1,153225E+22	1,525807E+22	1,756274E+22	1,756288E+22	1,525856E+22	1,153281E+22	7,524597E+21	4,308122E+21	2,604641E+21	2,604657E+21	4,308224E+21	7,524867E+21
-1262	1,153303E+22	1,525839E+22	1,756238E+22	1,756215E+22	1,525788E+22	1,153243E+22	7,524413E+21	4,308006E+21	2,604596E+21	2,604696E+21	4,308239E+21	7,524613E+21
-1261	1,153243E+22	1,525763E+22	1,756186E+22	1,756223E+22	1,525835E+22	1,153297E+22	7,524889E+21	4,308312E+21	2,604681E+21	2,604569E+21	4,307981E+21	7,524434E+21
-1260	1,153267E+22	1,525850E+22	1,756284E+22	1,756264E+22	1,525820E+22	1,153251E+22	7,524368E+21	4,307933E+21	2,604503E+21	2,604577E+21	4,308219E+21	7,524936E+21
-1259	1,153319E+22	1,525865E+22	1,756254E+22	1,756220E+22	1,525800E+22	1,153257E+22	7,524445E+21	4,307886E+21	2,604357E+21	2,604366E+21	4,307837E+21	7,524240E+21
-1258	1,153229E+22	1,525802E+22	1,756279E+22	1,756309E+22	1,525878E+22	1,153303E+22	7,524720E+21	4,308016E+21	2,604327E+21	2,604201E+21	4,307665E+21	7,524340E+21
-1257	1,153296E+22	1,525901E+22	1,756348E+22	1,756339E+22	1,525873E+22	1,153261E+22	7,524119E+21	4,307511E+21	2,604038E+21	2,604140E+21	4,307829E+21	7,524545E+21
-1256	1,153284E+22	1,525857E+22	1,756291E+22	1,756303E+22	1,525889E+22	1,153306E+22	7,524493E+21	4,307615E+21	2,603905E+21	2,603832E+21	4,307371E+21	7,524046E+21
-1255	1,153239E+22	1,525840E+22	1,756340E+22	1,756368E+22	1,525922E+22	1,153314E+22	7,524445E+21	4,307525E+21	2,603819E+21	2,603779E+21	4,307454E+21	7,524509E+21
-1254	1,153336E+22	1,525932E+22	1,756368E+22	1,756341E+22	1,525869E+22	1,153265E+22	7,524069E+21	4,307230E+21	2,603628E+21	2,603720E+21	4,307435E+21	7,524260E+21
-1253	1,153281E+22	1,525873E+22	1,756323E+22	1,756341E+22	1,525907E+22	1,153314E+22	7,524518E+21	4,307535E+21	2,603726E+21	2,603606E+21	4,307156E+21	7,523927E+21
-1252	1,153264E+22	1,525916E+22	1,756411E+22	1,756395E+22	1,525910E+22	1,153279E+22	7,524109E+21	4,307311E+21	2,603717E+21	2,603772E+21	4,307536E+21	7,524576E+21
-1251	1,153328E+22	1,525926E+22	1,756364E+22	1,756331E+22	1,525866E+22	1,153264E+22	7,524061E+21	4,307283E+21	2,603735E+21	2,603834E+21	4,307499E+21	7,524189E+21
-1250	1,153246E+22	1,525820E+22	1,756302E+22	1,756345E+22	1,525911E+22	1,153316E+22	7,524591E+21	4,307733E+21	2,604019E+21	2,603936E+21	4,307492E+21	7,524283E+21
-1249	1,153297E+22	1,525903E+22	1,756345E+22	1,756338E+22	1,525879E+22	1,153268E+22	7,524176E+21	4,307556E+21	2,604098E+21	2,604220E+21	4,307942E+21	7,524730E+21
-1248	1,153306E+22	1,525867E+22	1,756266E+22	1,756242E+22	1,525830E+22	1,153280E+22	7,524573E+21	4,307930E+21	2,604352E+21	2,604328E+21	4,307799E+21	7,524247E+21
-1247	1,153225E+22	1,525786E+22	1,756251E+22	1,756267E+22	1,525846E+22	1,153293E+22	7,524817E+21	4,308279E+21	2,604702E+21	2,604627E+21	4,308062E+21	7,524605E+21
-1246	1,153293E+22	1,525852E+22	1,756260E+22	1,756231E+22	1,525784E+22	1,153231E+22	7,524403E+21	4,308136E+21	2,604799E+21	2,604922E+21	4,308443E+21	7,524711E+21
-1245	1,153243E+22	1,525757E+22	1,756152E+22	1,756170E+22	1,525794E+22	1,153277E+22	7,524927E+21	4,308564E+21	2,605058E+21	2,604984E+21	4,308308E+21	7,524421E+21
-1244	1,153207E+22	1,525749E+22	1,756193E+22	1,756204E+22	1,525796E+22	1,153259E+22	7,524725E+21	4,308487E+21	2,605115E+21	2,605145E+21	4,308639E+21	7,525099E+21
-1243	1,153301E+22	1,525802E+22	1,756168E+22	1,756138E+22	1,525735E+22	1,153224E+22	7,524526E+21	4,308343E+21	2,605045E+21	2,605160E+21	4,308617E+21	7,524772E+21
-1242	1,153231E+22	1,525718E+22	1,756114E+22	1,756147E+22	1,525782E+22	1,153280E+22	7,525055E+21	4,308701E+21	2,605151E+21	2,605018E+21	4,308311E+21	7,524538E+21
-1241	1,153254E+22	1,525813E+22	1,756225E+22	1,756206E+22	1,525783E+22	1,153240E+22	7,524551E+21	4,308336E+21	2,604986E+21	2,605038E+21	4,308542E+21	7,524955E+21
-1240	1,153286E+22	1,525813E+22	1,756204E+22	1,756175E+22	1,525766E+22	1,153245E+22	7,524616E+21	4,308283E+21	2,604837E+21	2,604826E+21	4,308204E+21	7,524401E+21
-1239	1,153207E+22	1,525732E+22	1,756193E+22	1,756240E+22	1,525836E+22	1,153289E+22	7,524823E+21	4,308342E+21	2,604775E+21	2,604674E+21	4,308071E+21	7,524537E+21
-1238	1,153284E+22	1,525848E+22	1,756262E+22	1,756255E+22	1,525818E+22	1,153246E+22	7,524286E+21	4,307850E+21	2,604453E+21	2,604573E+21	4,308196E+21	7,524717E+21
-1237	1,153273E+22	1,525812E+22	1,756214E+22	1,756220E+22	1,525830E+22	1,153290E+22	7,524664E+21	4,307977E+21	2,604342E+21	2,604271E+21	4,307731E+21	7,524207E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1236	1,153232E+22	1,525811E+22	1,756286E+22	1,756294E+22	1,525859E+22	1,153287E+22	7,524552E+21	4,307875E+21	2,604257E+21	2,604209E+21	4,307781E+21	7,524612E+21
-1235	1,153323E+22	1,525899E+22	1,756320E+22	1,756284E+22	1,525818E+22	1,153239E+22	7,524137E+21	4,307562E+21	2,604092E+21	2,604207E+21	4,307826E+21	7,524368E+21
-1234	1,153254E+22	1,525812E+22	1,756251E+22	1,756279E+22	1,525864E+22	1,153296E+22	7,524631E+21	4,307907E+21	2,604223E+21	2,604119E+21	4,307586E+21	7,524113E+21
-1233	1,153248E+22	1,525859E+22	1,756325E+22	1,756323E+22	1,525874E+22	1,153274E+22	7,524301E+21	4,307716E+21	2,604231E+21	2,604290E+21	4,307952E+21	7,524729E+21
-1232	1,153306E+22	1,525869E+22	1,756288E+22	1,756257E+22	1,525818E+22	1,153256E+22	7,524321E+21	4,307750E+21	2,604277E+21	2,604351E+21	4,307918E+21	7,524431E+21
-1231	1,153238E+22	1,525760E+22	1,756206E+22	1,756250E+22	1,525848E+22	1,153296E+22	7,524792E+21	4,308205E+21	2,604594E+21	2,604501E+21	4,307924E+21	7,524436E+21
-1230	1,153283E+22	1,525856E+22	1,756261E+22	1,756240E+22	1,525804E+22	1,153246E+22	7,524422E+21	4,308072E+21	2,604700E+21	2,604805E+21	4,308375E+21	7,524819E+21
-1229	1,153276E+22	1,525806E+22	1,756189E+22	1,756161E+22	1,525764E+22	1,153256E+22	7,524780E+21	4,308445E+21	2,604987E+21	2,604963E+21	4,308304E+21	7,524396E+21
-1228	1,153195E+22	1,525721E+22	1,756170E+22	1,756190E+22	1,525787E+22	1,153265E+22	7,524927E+21	4,308719E+21	2,605288E+21	2,605232E+21	4,308572E+21	7,524819E+21
-1227	1,153271E+22	1,525786E+22	1,756170E+22	1,756149E+22	1,525731E+22	1,153211E+22	7,524504E+21	4,308510E+21	2,605337E+21	2,605506E+21	4,308958E+21	7,524972E+21
-1226	1,153225E+22	1,525686E+22	1,756048E+22	1,756073E+22	1,525733E+22	1,153260E+22	7,525103E+21	4,308972E+21	2,605574E+21	2,605509E+21	4,308752E+21	7,524673E+21
-1225	1,153205E+22	1,525706E+22	1,756104E+22	1,756114E+22	1,525743E+22	1,153247E+22	7,524941E+21	4,308924E+21	2,605627E+21	2,605628E+21	4,308990E+21	7,525197E+21
-1224	1,153286E+22	1,525768E+22	1,756115E+22	1,756073E+22	1,525682E+22	1,153207E+22	7,524737E+21	4,308793E+21	2,605559E+21	2,605627E+21	4,308954E+21	7,524898E+21
-1223	1,153214E+22	1,525667E+22	1,756047E+22	1,756084E+22	1,525731E+22	1,153256E+22	7,525156E+21	4,309083E+21	2,605648E+21	2,605514E+21	4,308686E+21	7,524629E+21
-1222	1,153230E+22	1,525762E+22	1,756157E+22	1,756144E+22	1,525740E+22	1,153226E+22	7,524699E+21	4,308693E+21	2,605437E+21	2,605504E+21	4,308925E+21	7,525078E+21
-1221	1,153259E+22	1,525753E+22	1,756131E+22	1,756112E+22	1,525727E+22	1,153237E+22	7,524778E+21	4,308615E+21	2,605262E+21	2,605274E+21	4,308597E+21	7,524590E+21
-1220	1,153194E+22	1,525685E+22	1,756122E+22	1,756170E+22	1,525788E+22	1,153274E+22	7,524955E+21	4,308649E+21	2,605157E+21	2,605066E+21	4,308407E+21	7,524714E+21
-1219	1,153279E+22	1,525814E+22	1,756198E+22	1,756186E+22	1,525770E+22	1,153230E+22	7,524397E+21	4,308153E+21	2,604850E+21	2,604981E+21	4,308520E+21	7,524836E+21
-1218	1,153259E+22	1,525769E+22	1,756145E+22	1,756142E+22	1,525772E+22	1,153270E+22	7,524823E+21	4,308354E+21	2,604794E+21	2,604709E+21	4,308064E+21	7,524313E+21
-1217	1,153217E+22	1,525772E+22	1,756222E+22	1,756234E+22	1,525814E+22	1,153269E+22	7,524710E+21	4,308286E+21	2,604757E+21	2,604692E+21	4,308141E+21	7,524679E+21
-1216	1,153294E+22	1,525848E+22	1,756260E+22	1,756231E+22	1,525777E+22	1,153222E+22	7,524281E+21	4,307973E+21	2,604609E+21	2,604711E+21	4,308253E+21	7,524604E+21
-1215	1,153237E+22	1,525743E+22	1,756154E+22	1,756197E+22	1,525812E+22	1,153276E+22	7,524738E+21	4,308279E+21	2,604735E+21	2,604657E+21	4,308045E+21	7,524351E+21
-1214	1,153238E+22	1,525807E+22	1,756236E+22	1,756232E+22	1,525811E+22	1,153257E+22	7,524517E+21	4,308138E+21	2,604741E+21	2,604807E+21	4,308374E+21	7,524909E+21
-1213	1,153291E+22	1,525819E+22	1,756208E+22	1,756172E+22	1,525755E+22	1,153238E+22	7,524545E+21	4,308220E+21	2,604838E+21	2,604902E+21	4,308341E+21	7,524562E+21
-1212	1,153219E+22	1,525719E+22	1,756138E+22	1,756169E+22	1,525782E+22	1,153270E+22	7,524967E+21	4,308670E+21	2,605167E+21	2,605063E+21	4,308346E+21	7,524532E+21
-1211	1,153255E+22	1,525802E+22	1,756193E+22	1,756173E+22	1,525752E+22	1,153221E+22	7,524545E+21	4,308509E+21	2,605289E+21	2,605412E+21	4,308850E+21	7,524937E+21
-1210	1,153239E+22	1,525726E+22	1,756089E+22	1,756079E+22	1,525714E+22	1,153239E+22	7,524959E+21	4,308905E+21	2,605578E+21	2,605570E+21	4,308820E+21	7,524634E+21
-1209	1,153174E+22	1,525650E+22	1,756063E+22	1,756101E+22	1,525739E+22	1,153255E+22	7,525151E+21	4,309180E+21	2,605858E+21	2,605803E+21	4,309047E+21	7,525041E+21
-1208	1,153252E+22	1,525726E+22	1,756081E+22	1,756063E+22	1,525675E+22	1,153197E+22	7,524744E+21	4,308983E+21	2,605885E+21	2,606030E+21	4,309403E+21	7,525270E+21
-1207	1,153223E+22	1,525633E+22	1,755953E+22	1,755975E+22	1,525665E+22	1,153235E+22	7,525253E+21	4,309400E+21	2,606110E+21	2,606040E+21	4,309168E+21	7,524857E+21
-1206	1,153199E+22	1,525675E+22	1,756039E+22	1,756029E+22	1,525671E+22	1,153222E+22	7,525133E+21	4,309358E+21	2,606146E+21	2,606138E+21	4,309371E+21	7,525286E+21
-1205	1,153260E+22	1,525722E+22	1,756060E+22	1,756017E+22	1,525633E+22	1,153185E+22	7,524880E+21	4,309203E+21	2,606078E+21	2,606149E+21	4,309364E+21	7,525011E+21
-1204	1,153189E+22	1,525620E+22	1,755985E+22	1,756028E+22	1,525691E+22	1,153236E+22	7,525229E+21	4,309408E+21	2,606097E+21	2,605984E+21	4,309084E+21	7,524796E+21
-1203	1,153210E+22	1,525708E+22	1,756084E+22	1,756081E+22	1,525704E+22	1,153215E+22	7,524794E+21	4,308977E+21	2,605843E+21	2,605936E+21	4,309287E+21	7,525240E+21
-1202	1,153241E+22	1,525694E+22	1,756043E+22	1,756034E+22	1,525681E+22	1,153228E+22	7,524969E+21	4,308965E+21	2,605668E+21	2,605674E+21	4,308923E+21	7,524764E+21
-1201	1,153190E+22	1,525648E+22	1,756044E+22	1,756092E+22	1,525740E+22	1,153261E+22	7,525157E+21	4,309041E+21	2,605593E+21	2,605464E+21	4,308681E+21	7,524757E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1200	1,153257E+22	1,525777E+22	1,756147E+22	1,756127E+22	1,525720E+22	1,153211E+22	7,524583E+21	4,308568E+21	2,605321E+21	2,605407E+21	4,308840E+21	7,524964E+21
-1199	1,153239E+22	1,525717E+22	1,756076E+22	1,756078E+22	1,525721E+22	1,153241E+22	7,524883E+21	4,308710E+21	2,605282E+21	2,605210E+21	4,308464E+21	7,524448E+21
-1198	1,153196E+22	1,525723E+22	1,756151E+22	1,756161E+22	1,525762E+22	1,153250E+22	7,524838E+21	4,308645E+21	2,605234E+21	2,605194E+21	4,308565E+21	7,524853E+21
-1197	1,153271E+22	1,525790E+22	1,756183E+22	1,756163E+22	1,525733E+22	1,153209E+22	7,524443E+21	4,308349E+21	2,605097E+21	2,605222E+21	4,308690E+21	7,524827E+21
-1196	1,153227E+22	1,525700E+22	1,756077E+22	1,756119E+22	1,525759E+22	1,153256E+22	7,524882E+21	4,308654E+21	2,605213E+21	2,605144E+21	4,308447E+21	7,524546E+21
-1195	1,153228E+22	1,525767E+22	1,756163E+22	1,756154E+22	1,525758E+22	1,153240E+22	7,524677E+21	4,308546E+21	2,605261E+21	2,605326E+21	4,308759E+21	7,525013E+21
-1194	1,153266E+22	1,525763E+22	1,756128E+22	1,756089E+22	1,525695E+22	1,153220E+22	7,524777E+21	4,308714E+21	2,605423E+21	2,605473E+21	4,308780E+21	7,524695E+21
-1193	1,153194E+22	1,525659E+22	1,756051E+22	1,756094E+22	1,525732E+22	1,153252E+22	7,525188E+21	4,309187E+21	2,605792E+21	2,605673E+21	4,308820E+21	7,524663E+21
-1192	1,153217E+22	1,525728E+22	1,756104E+22	1,756097E+22	1,525704E+22	1,153206E+22	7,524753E+21	4,309005E+21	2,605903E+21	2,606020E+21	4,309380E+21	7,525251E+21
-1191	1,153221E+22	1,525647E+22	1,755971E+22	1,755971E+22	1,525647E+22	1,153215E+22	7,525103E+21	4,309346E+21	2,606165E+21	2,606182E+21	4,309347E+21	7,524937E+21
-1190	1,153170E+22	1,525601E+22	1,755965E+22	1,755990E+22	1,525660E+22	1,153231E+22	7,525366E+21	4,309636E+21	2,606410E+21	2,606357E+21	4,309499E+21	7,525263E+21
-1189	1,153242E+22	1,525684E+22	1,756006E+22	1,755976E+22	1,525607E+22	1,153172E+22	7,524932E+21	4,309445E+21	2,606443E+21	2,606571E+21	4,309810E+21	7,525409E+21
-1188	1,153210E+22	1,525604E+22	1,755899E+22	1,755906E+22	1,525604E+22	1,153206E+22	7,525361E+21	4,309798E+21	2,606622E+21	2,606548E+21	4,309550E+21	7,524956E+21
-1187	1,153176E+22	1,525632E+22	1,755988E+22	1,755981E+22	1,525633E+22	1,153202E+22	7,525208E+21	4,309707E+21	2,606632E+21	2,606635E+21	4,309748E+21	7,525365E+21
-1186	1,153227E+22	1,525654E+22	1,755980E+22	1,755955E+22	1,525600E+22	1,153178E+22	7,525050E+21	4,309568E+21	2,606538E+21	2,606616E+21	4,309748E+21	7,525166E+21
-1185	1,153168E+22	1,525559E+22	1,755900E+22	1,755961E+22	1,525661E+22	1,153234E+22	7,525451E+21	4,309787E+21	2,606536E+21	2,606410E+21	4,309420E+21	7,524921E+21
-1184	1,153187E+22	1,525654E+22	1,756010E+22	1,756013E+22	1,525664E+22	1,153208E+22	7,525015E+21	4,309371E+21	2,606275E+21	2,606333E+21	4,309608E+21	7,525432E+21
-1183	1,153231E+22	1,525643E+22	1,755955E+22	1,755943E+22	1,525620E+22	1,153205E+22	7,525102E+21	4,309337E+21	2,606125E+21	2,606119E+21	4,309262E+21	7,524895E+21
-1182	1,153179E+22	1,525617E+22	1,755984E+22	1,756010E+22	1,525670E+22	1,153234E+22	7,525310E+21	4,309424E+21	2,606060E+21	2,605928E+21	4,309042E+21	7,524866E+21
-1181	1,153232E+22	1,525729E+22	1,756091E+22	1,756070E+22	1,525670E+22	1,153185E+22	7,524669E+21	4,308938E+21	2,605811E+21	2,605912E+21	4,309257E+21	7,525129E+21
-1180	1,153221E+22	1,525674E+22	1,756011E+22	1,756015E+22	1,525676E+22	1,153217E+22	7,524905E+21	4,308998E+21	2,605721E+21	2,605690E+21	4,308893E+21	7,524685E+21
-1179	1,153185E+22	1,525677E+22	1,756081E+22	1,756094E+22	1,525721E+22	1,153234E+22	7,524900E+21	4,308934E+21	2,605664E+21	2,605654E+21	4,308944E+21	7,525037E+21
-1178	1,153257E+22	1,525736E+22	1,756098E+22	1,756081E+22	1,525685E+22	1,153199E+22	7,524648E+21	4,308746E+21	2,605568E+21	2,605683E+21	4,309049E+21	7,524988E+21
-1177	1,153218E+22	1,525659E+22	1,756002E+22	1,756043E+22	1,525711E+22	1,153244E+22	7,525131E+21	4,309132E+21	2,605753E+21	2,605643E+21	4,308792E+21	7,524598E+21
-1176	1,153197E+22	1,525712E+22	1,756098E+22	1,756089E+22	1,525710E+22	1,153226E+22	7,524929E+21	4,309065E+21	2,605851E+21	2,605874E+21	4,309174E+21	7,525152E+21
-1175	1,153235E+22	1,525689E+22	1,756031E+22	1,756003E+22	1,525639E+22	1,153196E+22	7,524937E+21	4,309198E+21	2,606045E+21	2,606105E+21	4,309294E+21	7,524894E+21
-1174	1,153169E+22	1,525594E+22	1,755955E+22	1,755992E+22	1,525663E+22	1,153232E+22	7,525400E+21	4,309658E+21	2,606390E+21	2,606294E+21	4,309351E+21	7,524917E+21
-1173	1,153194E+22	1,525657E+22	1,756006E+22	1,756003E+22	1,525641E+22	1,153187E+22	7,524956E+21	4,309476E+21	2,606495E+21	2,606625E+21	4,309890E+21	7,525530E+21
-1172	1,153217E+22	1,525604E+22	1,755885E+22	1,755875E+22	1,525578E+22	1,153187E+22	7,525226E+21	4,309762E+21	2,606708E+21	2,606735E+21	4,309802E+21	7,525176E+21
-1171	1,153166E+22	1,525566E+22	1,755896E+22	1,755906E+22	1,525598E+22	1,153204E+22	7,525468E+21	4,310045E+21	2,606950E+21	2,606888E+21	4,309884E+21	7,525363E+21
-1170	1,153220E+22	1,525635E+22	1,755939E+22	1,755906E+22	1,525554E+22	1,153153E+22	7,525128E+21	4,309909E+21	2,607001E+21	2,607111E+21	4,310214E+21	7,525517E+21
-1169	1,153185E+22	1,525549E+22	1,755832E+22	1,755852E+22	1,525569E+22	1,153190E+22	7,525538E+21	4,310247E+21	2,607170E+21	2,607078E+21	4,309949E+21	7,525042E+21
-1168	1,153138E+22	1,525559E+22	1,755911E+22	1,755923E+22	1,525604E+22	1,153197E+22	7,525412E+21	4,310123E+21	2,607133E+21	2,607126E+21	4,310164E+21	7,525584E+21
-1167	1,153205E+22	1,525579E+22	1,755875E+22	1,755864E+22	1,525551E+22	1,153165E+22	7,525212E+21	4,309938E+21	2,607011E+21	2,607101E+21	4,310154E+21	7,525379E+21
-1166	1,153161E+22	1,525515E+22	1,755814E+22	1,755857E+22	1,525590E+22	1,153217E+22	7,525659E+21	4,310168E+21	2,606984E+21	2,606853E+21	4,309771E+21	7,525070E+21
-1165	1,153174E+22	1,525610E+22	1,755942E+22	1,755934E+22	1,525604E+22	1,153186E+22	7,525168E+21	4,309759E+21	2,606742E+21	2,606786E+21	4,309939E+21	7,525534E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1164	1,153221E+22	1,525616E+22	1,755906E+22	1,755878E+22	1,525562E+22	1,153172E+22	7,525127E+21	4,309647E+21	2,606558E+21	2,606566E+21	4,309618E+21	7,525024E+21
-1163	1,153164E+22	1,525580E+22	1,755936E+22	1,755961E+22	1,525631E+22	1,153208E+22	7,525292E+21	4,309693E+21	2,606479E+21	2,606371E+21	4,309399E+21	7,524993E+21
-1162	1,153210E+22	1,525673E+22	1,756022E+22	1,756011E+22	1,525638E+22	1,153176E+22	7,524799E+21	4,309255E+21	2,606227E+21	2,606348E+21	4,309634E+21	7,525328E+21
-1161	1,153210E+22	1,525624E+22	1,755941E+22	1,755955E+22	1,525644E+22	1,153212E+22	7,525098E+21	4,309360E+21	2,606151E+21	2,606113E+21	4,309227E+21	7,524825E+21
-1160	1,153169E+22	1,525629E+22	1,756013E+22	1,756030E+22	1,525685E+22	1,153230E+22	7,525148E+21	4,309357E+21	2,606131E+21	2,606089E+21	4,309281E+21	7,525192E+21
-1159	1,153243E+22	1,525684E+22	1,756012E+22	1,755989E+22	1,525627E+22	1,153182E+22	7,524856E+21	4,309204E+21	2,606116E+21	2,606213E+21	4,309437E+21	7,525091E+21
-1158	1,153198E+22	1,525615E+22	1,755931E+22	1,755950E+22	1,525639E+22	1,153223E+22	7,525372E+21	4,309636E+21	2,606354E+21	2,606237E+21	4,309250E+21	7,524724E+21
-1157	1,153162E+22	1,525639E+22	1,756015E+22	1,756013E+22	1,525655E+22	1,153202E+22	7,525099E+21	4,309562E+21	2,606486E+21	2,606518E+21	4,309697E+21	7,525361E+21
-1156	1,153214E+22	1,525625E+22	1,755935E+22	1,755910E+22	1,525577E+22	1,153169E+22	7,525026E+21	4,309608E+21	2,606623E+21	2,606723E+21	4,309844E+21	7,525213E+21
-1155	1,153160E+22	1,525537E+22	1,755865E+22	1,755898E+22	1,525599E+22	1,153205E+22	7,525483E+21	4,310048E+21	2,606935E+21	2,606860E+21	4,309823E+21	7,525169E+21
-1154	1,153185E+22	1,525602E+22	1,755913E+22	1,755903E+22	1,525574E+22	1,153166E+22	7,525159E+21	4,309936E+21	2,607048E+21	2,607168E+21	4,310314E+21	7,525717E+21
-1153	1,153207E+22	1,525562E+22	1,755816E+22	1,755799E+22	1,525521E+22	1,153166E+22	7,525432E+21	4,310244E+21	2,607279E+21	2,607272E+21	4,310174E+21	7,525236E+21
-1152	1,153137E+22	1,525515E+22	1,755840E+22	1,755852E+22	1,525556E+22	1,153189E+22	7,525669E+21	4,310519E+21	2,607516E+21	2,607429E+21	4,310293E+21	7,525476E+21
-1151	1,153187E+22	1,525561E+22	1,755847E+22	1,755828E+22	1,525511E+22	1,153138E+22	7,525285E+21	4,310345E+21	2,607568E+21	2,607684E+21	4,310671E+21	7,525671E+21
-1150	1,153158E+22	1,525485E+22	1,755744E+22	1,755762E+22	1,525516E+22	1,153183E+22	7,525771E+21	4,310662E+21	2,607686E+21	2,607610E+21	4,310400E+21	7,525252E+21
-1149	1,153114E+22	1,525486E+22	1,755819E+22	1,755840E+22	1,525554E+22	1,153186E+22	7,525621E+21	4,310535E+21	2,607626E+21	2,607621E+21	4,310563E+21	7,525777E+21
-1148	1,153200E+22	1,525538E+22	1,755793E+22	1,755773E+22	1,525488E+22	1,153141E+22	7,525317E+21	4,310277E+21	2,607445E+21	2,607545E+21	4,310524E+21	7,525570E+21
-1147	1,153158E+22	1,525488E+22	1,755758E+22	1,755780E+22	1,525527E+22	1,153187E+22	7,525700E+21	4,310480E+21	2,607409E+21	2,607275E+21	4,310083E+21	7,525158E+21
-1146	1,153157E+22	1,525570E+22	1,755886E+22	1,755870E+22	1,525552E+22	1,153163E+22	7,525281E+21	4,310111E+21	2,607184E+21	2,607227E+21	4,310288E+21	7,525652E+21
-1145	1,153204E+22	1,525570E+22	1,755854E+22	1,755836E+22	1,525531E+22	1,153155E+22	7,525212E+21	4,309978E+21	2,606996E+21	2,607006E+21	4,309970E+21	7,525145E+21
-1144	1,153141E+22	1,525525E+22	1,755875E+22	1,755914E+22	1,525607E+22	1,153203E+22	7,525432E+21	4,310016E+21	2,606892E+21	2,606792E+21	4,309767E+21	7,525203E+21
-1143	1,153197E+22	1,525613E+22	1,755932E+22	1,755929E+22	1,525593E+22	1,153166E+22	7,524974E+21	4,309617E+21	2,606676E+21	2,606797E+21	4,309992E+21	7,525495E+21
-1142	1,153204E+22	1,525587E+22	1,755870E+22	1,755862E+22	1,525581E+22	1,153200E+22	7,525348E+21	4,309785E+21	2,606639E+21	2,606583E+21	4,309578E+21	7,524927E+21
-1141	1,153147E+22	1,525575E+22	1,755945E+22	1,755956E+22	1,525629E+22	1,153214E+22	7,525377E+21	4,309838E+21	2,606693E+21	2,606625E+21	4,309655E+21	7,525245E+21
-1140	1,153220E+22	1,525638E+22	1,755945E+22	1,755915E+22	1,525567E+22	1,153154E+22	7,524965E+21	4,309627E+21	2,606678E+21	2,606790E+21	4,309901E+21	7,525248E+21
-1139	1,153173E+22	1,525556E+22	1,755855E+22	1,755873E+22	1,525585E+22	1,153196E+22	7,525430E+21	4,310030E+21	2,606915E+21	2,606819E+21	4,309729E+21	7,524911E+21
-1138	1,153136E+22	1,525564E+22	1,755917E+22	1,755923E+22	1,525602E+22	1,153189E+22	7,525289E+21	4,309998E+21	2,607043E+21	2,607096E+21	4,310199E+21	7,525634E+21
-1137	1,153203E+22	1,525563E+22	1,755845E+22	1,755828E+22	1,525522E+22	1,153150E+22	7,525214E+21	4,310058E+21	2,607176E+21	2,607272E+21	4,310289E+21	7,525425E+21
-1136	1,153147E+22	1,525483E+22	1,755783E+22	1,755815E+22	1,525546E+22	1,153190E+22	7,525696E+21	4,310514E+21	2,607487E+21	2,607395E+21	4,310251E+21	7,525366E+21
-1135	1,153171E+22	1,525547E+22	1,755825E+22	1,755807E+22	1,525507E+22	1,153144E+22	7,525362E+21	4,310430E+21	2,607653E+21	2,607758E+21	4,310758E+21	7,525846E+21
-1134	1,153186E+22	1,525514E+22	1,755749E+22	1,755713E+22	1,525454E+22	1,153146E+22	7,525660E+21	4,310744E+21	2,607893E+21	2,607883E+21	4,310650E+21	7,525368E+21
-1133	1,153102E+22	1,525439E+22	1,755756E+22	1,755782E+22	1,525512E+22	1,153175E+22	7,525859E+21	4,310993E+21	2,608120E+21	2,608040E+21	4,310775E+21	7,525643E+21
-1132	1,153166E+22	1,525499E+22	1,755753E+22	1,755740E+22	1,525457E+22	1,153120E+22	7,525403E+21	4,310716E+21	2,608079E+21	2,608228E+21	4,311145E+21	7,525930E+21
-1131	1,153149E+22	1,525432E+22	1,755659E+22	1,755671E+22	1,525455E+22	1,153161E+22	7,525867E+21	4,311009E+21	2,608146E+21	2,608072E+21	4,310773E+21	7,525433E+21
-1130	1,153105E+22	1,525436E+22	1,755735E+22	1,755751E+22	1,525493E+22	1,153168E+22	7,525808E+21	4,310924E+21	2,608077E+21	2,608054E+21	4,310896E+21	7,525905E+21
-1129	1,153190E+22	1,525501E+22	1,755740E+22	1,755713E+22	1,525435E+22	1,153119E+22	7,525455E+21	4,310656E+21	2,607893E+21	2,607965E+21	4,310821E+21	7,525617E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1128	1,153136E+22	1,525447E+22	1,755715E+22	1,755740E+22	1,525492E+22	1,153170E+22	7,525811E+21	4,310821E+21	2,607835E+21	2,607699E+21	4,310429E+21	7,525273E+21
-1127	1,153134E+22	1,525513E+22	1,755813E+22	1,755806E+22	1,525513E+22	1,153149E+22	7,525387E+21	4,310443E+21	2,607630E+21	2,607687E+21	4,310670E+21	7,525802E+21
-1126	1,153187E+22	1,525524E+22	1,755789E+22	1,755763E+22	1,525486E+22	1,153150E+22	7,525405E+21	4,310320E+21	2,607428E+21	2,607452E+21	4,310348E+21	7,525322E+21
-1125	1,153125E+22	1,525468E+22	1,755801E+22	1,755848E+22	1,525568E+22	1,153196E+22	7,525637E+21	4,310401E+21	2,607350E+21	2,607243E+21	4,310107E+21	7,525327E+21
-1124	1,153191E+22	1,525577E+22	1,755856E+22	1,755846E+22	1,525538E+22	1,153149E+22	7,525116E+21	4,309983E+21	2,607135E+21	2,607254E+21	4,310346E+21	7,525625E+21
-1123	1,153193E+22	1,525552E+22	1,755813E+22	1,755789E+22	1,525520E+22	1,153174E+22	7,525455E+21	4,310178E+21	2,607142E+21	2,607074E+21	4,309944E+21	7,525014E+21
-1122	1,153121E+22	1,525515E+22	1,755869E+22	1,755883E+22	1,525573E+22	1,153192E+22	7,525549E+21	4,310283E+21	2,607243E+21	2,607179E+21	4,310107E+21	7,525390E+21
-1121	1,153191E+22	1,525567E+22	1,755866E+22	1,755851E+22	1,525521E+22	1,153135E+22	7,525102E+21	4,310050E+21	2,607232E+21	2,607357E+21	4,310381E+21	7,525459E+21
-1120	1,153151E+22	1,525488E+22	1,755768E+22	1,755797E+22	1,525538E+22	1,153182E+22	7,525586E+21	4,310427E+21	2,607437E+21	2,607371E+21	4,310227E+21	7,525202E+21
-1119	1,153127E+22	1,525500E+22	1,755806E+22	1,755811E+22	1,525531E+22	1,153168E+22	7,525478E+21	4,310448E+21	2,607607E+21	2,607663E+21	4,310662E+21	7,525865E+21
-1118	1,153199E+22	1,525524E+22	1,755763E+22	1,755721E+22	1,525446E+22	1,153131E+22	7,525451E+21	4,310546E+21	2,607765E+21	2,607845E+21	4,310724E+21	7,525574E+21
-1117	1,153128E+22	1,525431E+22	1,755711E+22	1,755738E+22	1,525486E+22	1,153169E+22	7,525910E+21	4,311030E+21	2,608115E+21	2,608000E+21	4,310676E+21	7,525446E+21
-1116	1,153148E+22	1,525497E+22	1,755751E+22	1,755731E+22	1,525450E+22	1,153119E+22	7,525493E+21	4,310879E+21	2,608246E+21	2,608364E+21	4,311242E+21	7,526007E+21
-1115	1,153160E+22	1,525453E+22	1,755673E+22	1,755641E+22	1,525404E+22	1,153125E+22	7,525768E+21	4,311153E+21	2,608447E+21	2,608448E+21	4,311114E+21	7,525544E+21
-1114	1,153075E+22	1,525363E+22	1,755657E+22	1,755698E+22	1,525464E+22	1,153167E+22	7,526091E+21	4,311422E+21	2,608639E+21	2,608570E+21	4,311226E+21	7,525852E+21
-1113	1,153149E+22	1,525437E+22	1,755669E+22	1,755665E+22	1,525407E+22	1,153107E+22	7,525610E+21	4,311133E+21	2,608565E+21	2,608699E+21	4,311516E+21	7,526088E+21
-1112	1,153137E+22	1,525386E+22	1,755586E+22	1,755596E+22	1,525404E+22	1,153146E+22	7,526051E+21	4,311403E+21	2,608603E+21	2,608517E+21	4,311129E+21	7,525571E+21
-1111	1,153091E+22	1,525391E+22	1,755658E+22	1,755664E+22	1,525428E+22	1,153145E+22	7,525970E+21	4,311340E+21	2,608579E+21	2,608539E+21	4,311264E+21	7,526009E+21
-1110	1,153172E+22	1,525463E+22	1,755684E+22	1,755645E+22	1,525380E+22	1,153098E+22	7,525599E+21	4,311049E+21	2,608392E+21	2,608464E+21	4,311225E+21	7,525755E+21
-1109	1,153109E+22	1,525385E+22	1,755647E+22	1,755688E+22	1,525460E+22	1,153157E+22	7,525926E+21	4,311179E+21	2,608315E+21	2,608192E+21	4,310829E+21	7,525449E+21
-1108	1,153124E+22	1,525467E+22	1,755736E+22	1,755734E+22	1,525469E+22	1,153135E+22	7,525477E+21	4,310733E+21	2,608042E+21	2,608133E+21	4,311067E+21	7,526034E+21
-1107	1,153183E+22	1,525487E+22	1,755722E+22	1,755690E+22	1,525432E+22	1,153129E+22	7,525499E+21	4,310628E+21	2,607828E+21	2,607847E+21	4,310654E+21	7,525444E+21
-1106	1,153113E+22	1,525425E+22	1,755728E+22	1,755772E+22	1,525516E+22	1,153184E+22	7,525843E+21	4,310791E+21	2,607797E+21	2,607671E+21	4,310423E+21	7,525390E+21
-1105	1,153169E+22	1,525532E+22	1,755804E+22	1,755794E+22	1,525490E+22	1,153129E+22	7,525276E+21	4,310388E+21	2,607620E+21	2,607714E+21	4,310672E+21	7,525660E+21
-1104	1,153162E+22	1,525496E+22	1,755749E+22	1,755737E+22	1,525481E+22	1,153158E+22	7,525598E+21	4,310570E+21	2,607637E+21	2,607584E+21	4,310375E+21	7,525168E+21
-1103	1,153093E+22	1,525443E+22	1,755769E+22	1,755795E+22	1,525520E+22	1,153176E+22	7,525717E+21	4,310704E+21	2,607785E+21	2,607740E+21	4,310591E+21	7,525626E+21
-1102	1,153175E+22	1,525510E+22	1,755775E+22	1,755753E+22	1,525459E+22	1,153122E+22	7,525321E+21	4,310488E+21	2,607778E+21	2,607918E+21	4,310868E+21	7,525720E+21
-1101	1,153138E+22	1,525427E+22	1,755676E+22	1,755710E+22	1,525479E+22	1,153165E+22	7,525795E+21	4,310892E+21	2,608007E+21	2,607936E+21	4,310663E+21	7,525400E+21
-1100	1,153125E+22	1,525464E+22	1,755722E+22	1,755713E+22	1,525458E+22	1,153141E+22	7,525623E+21	4,310887E+21	2,608172E+21	2,608232E+21	4,311107E+21	7,526037E+21
-1099	1,153186E+22	1,525487E+22	1,755703E+22	1,755644E+22	1,525376E+22	1,153097E+22	7,525570E+21	4,311007E+21	2,608355E+21	2,608420E+21	4,311152E+21	7,525674E+21
-1098	1,153098E+22	1,525367E+22	1,755632E+22	1,755669E+22	1,525435E+22	1,153150E+22	7,526111E+21	4,311523E+21	2,608725E+21	2,608613E+21	4,311169E+21	7,525593E+21
-1097	1,153113E+22	1,525422E+22	1,755669E+22	1,755669E+22	1,525409E+22	1,153106E+22	7,525682E+21	4,311336E+21	2,608823E+21	2,608941E+21	4,311713E+21	7,526197E+21
-1096	1,153134E+22	1,525382E+22	1,755580E+22	1,755565E+22	1,525361E+22	1,153118E+22	7,525991E+21	4,311577E+21	2,608963E+21	2,608984E+21	4,311585E+21	7,525790E+21
-1095	1,153062E+22	1,525297E+22	1,755544E+22	1,755587E+22	1,525395E+22	1,153150E+22	7,526323E+21	4,311881E+21	2,609174E+21	2,609092E+21	4,311646E+21	7,526038E+21
-1094	1,153138E+22	1,525396E+22	1,755589E+22	1,755564E+22	1,525336E+22	1,153088E+22	7,525829E+21	4,311587E+21	2,609099E+21	2,609208E+21	4,311901E+21	7,526214E+21
-1093	1,153116E+22	1,525338E+22	1,755523E+22	1,755530E+22	1,525349E+22	1,153122E+22	7,526194E+21	4,311827E+21	2,609135E+21	2,609033E+21	4,311499E+21	7,525670E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1092	1,153076E+22	1,525351E+22	1,755591E+22	1,755596E+22	1,525375E+22	1,153117E+22	7,526013E+21	4,311670E+21	2,609049E+21	2,609033E+21	4,311680E+21	7,526186E+21
-1091	1,153155E+22	1,525419E+22	1,755625E+22	1,755589E+22	1,525338E+22	1,153076E+22	7,525642E+21	4,311341E+21	2,608808E+21	2,608895E+21	4,311592E+21	7,525935E+21
-1090	1,153094E+22	1,525333E+22	1,755572E+22	1,755625E+22	1,525422E+22	1,153149E+22	7,526092E+21	4,311499E+21	2,608709E+21	2,608598E+21	4,311176E+21	7,525616E+21
-1089	1,153110E+22	1,525420E+22	1,755673E+22	1,755678E+22	1,525431E+22	1,153125E+22	7,525655E+21	4,311075E+21	2,608433E+21	2,608502E+21	4,311339E+21	7,526120E+21
-1088	1,153169E+22	1,525450E+22	1,755665E+22	1,755632E+22	1,525392E+22	1,153120E+22	7,525684E+21	4,310980E+21	2,608235E+21	2,608250E+21	4,310967E+21	7,525522E+21
-1087	1,153092E+22	1,525376E+22	1,755650E+22	1,755689E+22	1,525455E+22	1,153164E+22	7,526034E+21	4,311220E+21	2,608305E+21	2,608165E+21	4,310800E+21	7,525478E+21
-1086	1,153140E+22	1,525479E+22	1,755732E+22	1,755718E+22	1,525438E+22	1,153112E+22	7,525448E+21	4,310823E+21	2,608167E+21	2,608264E+21	4,311124E+21	7,525830E+21
-1085	1,153134E+22	1,525425E+22	1,755660E+22	1,755665E+22	1,525436E+22	1,153141E+22	7,525742E+21	4,310989E+21	2,608193E+21	2,608154E+21	4,310846E+21	7,525413E+21
-1084	1,153086E+22	1,525391E+22	1,755671E+22	1,755695E+22	1,525453E+22	1,153151E+22	7,525830E+21	4,311085E+21	2,608304E+21	2,608288E+21	4,311074E+21	7,525916E+21
-1083	1,153173E+22	1,525471E+22	1,755696E+22	1,755662E+22	1,525387E+22	1,153090E+22	7,525435E+21	4,310900E+21	2,608300E+21	2,608428E+21	4,311268E+21	7,525900E+21
-1082	1,153127E+22	1,525383E+22	1,755600E+22	1,755626E+22	1,525416E+22	1,153143E+22	7,525997E+21	4,311361E+21	2,608571E+21	2,608485E+21	4,311075E+21	7,525504E+21
-1081	1,153098E+22	1,525414E+22	1,755666E+22	1,755657E+22	1,525408E+22	1,153119E+22	7,525809E+21	4,311366E+21	2,608759E+21	2,608796E+21	4,311518E+21	7,526110E+21
-1080	1,153152E+22	1,525423E+22	1,755632E+22	1,755589E+22	1,525342E+22	1,153086E+22	7,525763E+21	4,311460E+21	2,608931E+21	2,609016E+21	4,311646E+21	7,525831E+21
-1079	1,153064E+22	1,525287E+22	1,755521E+22	1,755574E+22	1,525384E+22	1,153142E+22	7,526364E+21	4,312019E+21	2,609333E+21	2,609228E+21	4,311688E+21	7,525823E+21
-1078	1,153089E+22	1,525351E+22	1,755565E+22	1,755568E+22	1,525352E+22	1,153099E+22	7,525958E+21	4,311834E+21	2,609414E+21	2,609526E+21	4,312197E+21	7,526435E+21
-1077	1,153117E+22	1,525313E+22	1,755477E+22	1,755471E+22	1,525302E+22	1,153102E+22	7,526228E+21	4,312068E+21	2,609542E+21	2,609542E+21	4,312010E+21	7,525995E+21
-1076	1,153060E+22	1,525260E+22	1,755457E+22	1,755483E+22	1,525317E+22	1,153119E+22	7,526453E+21	4,312300E+21	2,609706E+21	2,609626E+21	4,312079E+21	7,526233E+21
-1075	1,153127E+22	1,525363E+22	1,755532E+22	1,755489E+22	1,525264E+22	1,153048E+22	7,525891E+21	4,311975E+21	2,609602E+21	2,609703E+21	4,312288E+21	7,526347E+21
-1074	1,153094E+22	1,525287E+22	1,755457E+22	1,755471E+22	1,525305E+22	1,153100E+22	7,526286E+21	4,312181E+21	2,609610E+21	2,609528E+21	4,311917E+21	7,525841E+21
-1073	1,153053E+22	1,525298E+22	1,755534E+22	1,755550E+22	1,525343E+22	1,153103E+22	7,526099E+21	4,311972E+21	2,609463E+21	2,609458E+21	4,312032E+21	7,526359E+21
-1072	1,153142E+22	1,525370E+22	1,755557E+22	1,755534E+22	1,525309E+22	1,153071E+22	7,525791E+21	4,311630E+21	2,609173E+21	2,609278E+21	4,311917E+21	7,526084E+21
-1071	1,153083E+22	1,525287E+22	1,755486E+22	1,755539E+22	1,525371E+22	1,153139E+22	7,526307E+21	4,311880E+21	2,609134E+21	2,608998E+21	4,311472E+21	7,525705E+21
-1070	1,153092E+22	1,525383E+22	1,755609E+22	1,755601E+22	1,525378E+22	1,153114E+22	7,525875E+21	4,311496E+21	2,608909E+21	2,608939E+21	4,311634E+21	7,526146E+21
-1069	1,153138E+22	1,525396E+22	1,755602E+22	1,755575E+22	1,525349E+22	1,153102E+22	7,525860E+21	4,311408E+21	2,608752E+21	2,608746E+21	4,311320E+21	7,525607E+21
-1068	1,153072E+22	1,525326E+22	1,755571E+22	1,755611E+22	1,525400E+22	1,153138E+22	7,526114E+21	4,311581E+21	2,608804E+21	2,608694E+21	4,311261E+21	7,525696E+21
-1067	1,153121E+22	1,525425E+22	1,755655E+22	1,755642E+22	1,525381E+22	1,153086E+22	7,525531E+21	4,311178E+21	2,608647E+21	2,608762E+21	4,311559E+21	7,526076E+21
-1066	1,153121E+22	1,525368E+22	1,755574E+22	1,755584E+22	1,525384E+22	1,153124E+22	7,525901E+21	4,311374E+21	2,608683E+21	2,608664E+21	4,311286E+21	7,525651E+21
-1065	1,153076E+22	1,525346E+22	1,755603E+22	1,755624E+22	1,525399E+22	1,153130E+22	7,525979E+21	4,311491E+21	2,608805E+21	2,608773E+21	4,311444E+21	7,526067E+21
-1064	1,153161E+22	1,525433E+22	1,755634E+22	1,755595E+22	1,525338E+22	1,153074E+22	7,525626E+21	4,311330E+21	2,608828E+21	2,608958E+21	4,311679E+21	7,526012E+21
-1063	1,153101E+22	1,525328E+22	1,755518E+22	1,755542E+22	1,525355E+22	1,153122E+22	7,526228E+21	4,311885E+21	2,609197E+21	2,609099E+21	4,311553E+21	7,525639E+21
-1062	1,153063E+22	1,525343E+22	1,755578E+22	1,755578E+22	1,525361E+22	1,153109E+22	7,526046E+21	4,311894E+21	2,609411E+21	2,609445E+21	4,312038E+21	7,526299E+21
-1061	1,153118E+22	1,525340E+22	1,755527E+22	1,755506E+22	1,525298E+22	1,153077E+22	7,526003E+21	4,311967E+21	2,609568E+21	2,609658E+21	4,312169E+21	7,526108E+21
-1060	1,153056E+22	1,525225E+22	1,755404E+22	1,755453E+22	1,525308E+22	1,153119E+22	7,526544E+21	4,312470E+21	2,609909E+21	2,609823E+21	4,312200E+21	7,526118E+21
-1059	1,153082E+22	1,525303E+22	1,755475E+22	1,755463E+22	1,525271E+22	1,153064E+22	7,526102E+21	4,312284E+21	2,609958E+21	2,610050E+21	4,312603E+21	7,526619E+21
-1058	1,153105E+22	1,525269E+22	1,755401E+22	1,755383E+22	1,525233E+22	1,153072E+22	7,526369E+21	4,312503E+21	2,610081E+21	2,610071E+21	4,312412E+21	7,526118E+21
-1057	1,153036E+22	1,525214E+22	1,755407E+22	1,755427E+22	1,525263E+22	1,153088E+22	7,526534E+21	4,312684E+21	2,610204E+21	2,610114E+21	4,312446E+21	7,526335E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1056	1,153103E+22	1,525313E+22	1,755475E+22	1,755444E+22	1,525236E+22	1,153036E+22	7,525993E+21	4,312296E+21	2,610043E+21	2,610174E+21	4,312688E+21	7,526492E+21
-1055	1,153071E+22	1,525228E+22	1,755374E+22	1,755397E+22	1,525264E+22	1,153093E+22	7,526471E+21	4,312546E+21	2,610060E+21	2,609984E+21	4,312298E+21	7,526015E+21
-1054	1,153035E+22	1,525246E+22	1,755457E+22	1,755477E+22	1,525306E+22	1,153102E+22	7,526329E+21	4,312358E+21	2,609908E+21	2,609883E+21	4,312349E+21	7,526477E+21
-1053	1,153125E+22	1,525319E+22	1,755482E+22	1,755466E+22	1,525272E+22	1,153065E+22	7,526010E+21	4,312036E+21	2,609636E+21	2,609705E+21	4,312200E+21	7,526170E+21
-1052	1,153075E+22	1,525253E+22	1,755414E+22	1,755450E+22	1,525306E+22	1,153115E+22	7,526444E+21	4,312259E+21	2,609603E+21	2,609461E+21	4,311829E+21	7,525818E+21
-1051	1,153071E+22	1,525339E+22	1,755553E+22	1,755536E+22	1,525318E+22	1,153080E+22	7,525959E+21	4,311881E+21	2,609391E+21	2,609414E+21	4,312006E+21	7,526263E+21
-1050	1,153111E+22	1,525334E+22	1,755527E+22	1,755511E+22	1,525306E+22	1,153082E+22	7,525953E+21	4,311773E+21	2,609245E+21	2,609268E+21	4,311779E+21	7,525830E+21
-1049	1,153050E+22	1,525269E+22	1,755502E+22	1,755546E+22	1,525355E+22	1,153119E+22	7,526197E+21	4,311908E+21	2,609257E+21	2,609172E+21	4,311683E+21	7,525954E+21
-1048	1,153115E+22	1,525379E+22	1,755580E+22	1,755568E+22	1,525336E+22	1,153073E+22	7,525676E+21	4,311511E+21	2,609084E+21	2,609230E+21	4,311962E+21	7,526283E+21
-1047	1,153114E+22	1,525325E+22	1,755489E+22	1,755488E+22	1,525320E+22	1,153106E+22	7,526106E+21	4,311815E+21	2,609206E+21	2,609170E+21	4,311671E+21	7,525795E+21
-1046	1,153060E+22	1,525306E+22	1,755536E+22	1,755544E+22	1,525346E+22	1,153115E+22	7,526198E+21	4,311982E+21	2,609391E+21	2,609326E+21	4,311828E+21	7,526132E+21
-1045	1,153129E+22	1,525369E+22	1,755558E+22	1,755532E+22	1,525298E+22	1,153060E+22	7,525847E+21	4,311846E+21	2,609458E+21	2,609566E+21	4,312119E+21	7,526141E+21
-1044	1,153077E+22	1,525264E+22	1,755424E+22	1,755450E+22	1,525298E+22	1,153103E+22	7,526401E+21	4,312356E+21	2,609812E+21	2,609737E+21	4,312099E+21	7,525897E+21
-1043	1,153039E+22	1,525272E+22	1,755484E+22	1,755485E+22	1,525296E+22	1,153084E+22	7,526229E+21	4,312365E+21	2,609992E+21	2,610031E+21	4,312528E+21	7,526539E+21
-1042	1,153099E+22	1,525269E+22	1,755422E+22	1,755406E+22	1,525236E+22	1,153060E+22	7,526222E+21	4,312440E+21	2,610141E+21	2,610239E+21	4,312656E+21	7,526350E+21
-1041	1,153042E+22	1,525176E+22	1,755327E+22	1,755362E+22	1,525240E+22	1,153092E+22	7,526692E+21	4,312902E+21	2,610445E+21	2,610346E+21	4,312603E+21	7,526291E+21
-1040	1,153071E+22	1,525263E+22	1,755408E+22	1,755383E+22	1,525210E+22	1,153040E+22	7,526246E+21	4,312688E+21	2,610476E+21	2,610577E+21	4,313008E+21	7,526727E+21
-1039	1,153082E+22	1,525217E+22	1,755327E+22	1,755304E+22	1,525172E+22	1,153046E+22	7,526520E+21	4,312951E+21	2,610640E+21	2,610624E+21	4,312850E+21	7,526266E+21
-1038	1,153010E+22	1,525156E+22	1,755333E+22	1,755364E+22	1,525227E+22	1,153076E+22	7,526674E+21	4,313097E+21	2,610742E+21	2,610649E+21	4,312868E+21	7,526496E+21
-1037	1,153078E+22	1,525245E+22	1,755391E+22	1,755380E+22	1,525207E+22	1,153033E+22	7,526193E+21	4,312695E+21	2,610539E+21	2,610664E+21	4,313070E+21	7,526694E+21
-1036	1,153066E+22	1,525182E+22	1,755288E+22	1,755304E+22	1,525207E+22	1,153077E+22	7,526630E+21	4,312904E+21	2,610505E+21	2,610436E+21	4,312674E+21	7,526207E+21
-1035	1,153026E+22	1,525206E+22	1,755391E+22	1,755397E+22	1,525243E+22	1,153077E+22	7,526478E+21	4,312735E+21	2,610341E+21	2,610290E+21	4,312635E+21	7,526538E+21
-1034	1,153105E+22	1,525275E+22	1,755421E+22	1,755399E+22	1,525222E+22	1,153046E+22	7,526153E+21	4,312410E+21	2,610095E+21	2,610160E+21	4,312541E+21	7,526237E+21
-1033	1,153047E+22	1,525207E+22	1,755368E+22	1,755397E+22	1,525261E+22	1,153090E+22	7,526505E+21	4,312585E+21	2,610042E+21	2,609909E+21	4,312188E+21	7,525945E+21
-1032	1,153050E+22	1,525285E+22	1,755488E+22	1,755481E+22	1,525287E+22	1,153068E+22	7,526046E+21	4,312169E+21	2,609808E+21	2,609875E+21	4,312415E+21	7,526453E+21
-1031	1,153094E+22	1,525275E+22	1,755441E+22	1,755428E+22	1,525257E+22	1,153069E+22	7,526119E+21	4,312137E+21	2,609703E+21	2,609744E+21	4,312201E+21	7,526081E+21
-1030	1,153043E+22	1,525219E+22	1,755422E+22	1,755467E+22	1,525310E+22	1,153109E+22	7,526381E+21	4,312310E+21	2,609743E+21	2,609645E+21	4,312050E+21	7,526125E+21
-1029	1,153106E+22	1,525333E+22	1,755507E+22	1,755493E+22	1,525290E+22	1,153062E+22	7,525902E+21	4,311964E+21	2,609615E+21	2,609728E+21	4,312313E+21	7,526420E+21
-1028	1,153108E+22	1,525290E+22	1,755418E+22	1,755393E+22	1,525248E+22	1,153078E+22	7,526267E+21	4,312264E+21	2,609771E+21	2,609734E+21	4,312109E+21	7,525930E+21
-1027	1,153035E+22	1,525251E+22	1,755469E+22	1,755472E+22	1,525283E+22	1,153084E+22	7,526348E+21	4,312460E+21	2,609983E+21	2,609913E+21	4,312277E+21	7,526252E+21
-1026	1,153096E+22	1,525294E+22	1,755468E+22	1,755455E+22	1,525252E+22	1,153044E+22	7,526011E+21	4,312310E+21	2,610068E+21	2,610199E+21	4,312651E+21	7,526365E+21
-1025	1,153050E+22	1,525193E+22	1,755335E+22	1,755360E+22	1,525239E+22	1,153083E+22	7,526563E+21	4,312791E+21	2,610376E+21	2,610316E+21	4,312588E+21	7,526163E+21
-1024	1,153028E+22	1,525210E+22	1,755387E+22	1,755390E+22	1,525238E+22	1,153068E+22	7,526426E+21	4,312791E+21	2,610531E+21	2,610587E+21	4,312979E+21	7,526729E+21
-1023	1,153085E+22	1,525213E+22	1,755326E+22	1,755296E+22	1,525158E+22	1,153035E+22	7,526445E+21	4,312946E+21	2,610734E+21	2,610809E+21	4,313092E+21	7,526504E+21
-1022	1,153023E+22	1,525126E+22	1,755253E+22	1,755279E+22	1,525180E+22	1,153069E+22	7,526869E+21	4,313394E+21	2,611050E+21	2,610923E+21	4,313017E+21	7,526380E+21
-1021	1,153042E+22	1,525200E+22	1,755336E+22	1,755320E+22	1,525169E+22	1,153024E+22	7,526424E+21	4,313159E+21	2,611069E+21	2,611154E+21	4,313440E+21	7,526882E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1020	1,153064E+22	1,525159E+22	1,755243E+22	1,755220E+22	1,525119E+22	1,153027E+22	7,526641E+21	4,313341E+21	2,611172E+21	2,611184E+21	4,313335E+21	7,526505E+21
-1019	1,152993E+22	1,525098E+22	1,755257E+22	1,755290E+22	1,525175E+22	1,153058E+22	7,526833E+21	4,313478E+21	2,611212E+21	2,611124E+21	4,313256E+21	7,526677E+21
-1018	1,153064E+22	1,525189E+22	1,755308E+22	1,755304E+22	1,525164E+22	1,153024E+22	7,526384E+21	4,313075E+21	2,610996E+21	2,611120E+21	4,313436E+21	7,526841E+21
-1017	1,153052E+22	1,525144E+22	1,755232E+22	1,755232E+22	1,525153E+22	1,153059E+22	7,526769E+21	4,313252E+21	2,610926E+21	2,610844E+21	4,312982E+21	7,526316E+21
-1016	1,153013E+22	1,525167E+22	1,755337E+22	1,755336E+22	1,525195E+22	1,153060E+22	7,526607E+21	4,313062E+21	2,610762E+21	2,610725E+21	4,312968E+21	7,526586E+21
-1015	1,153077E+22	1,525218E+22	1,755351E+22	1,755330E+22	1,525171E+22	1,153025E+22	7,526293E+21	4,312794E+21	2,610573E+21	2,610644E+21	4,312948E+21	7,526400E+21
-1014	1,153026E+22	1,525150E+22	1,755293E+22	1,755333E+22	1,525226E+22	1,153079E+22	7,526613E+21	4,312936E+21	2,610516E+21	2,610394E+21	4,312594E+21	7,526146E+21
-1013	1,153037E+22	1,525226E+22	1,755403E+22	1,755407E+22	1,525248E+22	1,153062E+22	7,526227E+21	4,312542E+21	2,610273E+21	2,610335E+21	4,312788E+21	7,526686E+21
-1012	1,153098E+22	1,525238E+22	1,755360E+22	1,755332E+22	1,525190E+22	1,153046E+22	7,526252E+21	4,312502E+21	2,610166E+21	2,610212E+21	4,312589E+21	7,526285E+21
-1011	1,153039E+22	1,525187E+22	1,755363E+22	1,755389E+22	1,525241E+22	1,153078E+22	7,526519E+21	4,312716E+21	2,610228E+21	2,610107E+21	4,312372E+21	7,526179E+21
-1010	1,153083E+22	1,525285E+22	1,755444E+22	1,755427E+22	1,525240E+22	1,153043E+22	7,526069E+21	4,312404E+21	2,610161E+21	2,610267E+21	4,312712E+21	7,526476E+21
-1009	1,153073E+22	1,525235E+22	1,755364E+22	1,755336E+22	1,525202E+22	1,153058E+22	7,526387E+21	4,312674E+21	2,610313E+21	2,610288E+21	4,312556E+21	7,526082E+21
-1008	1,153008E+22	1,525181E+22	1,755385E+22	1,755401E+22	1,525244E+22	1,153076E+22	7,526522E+21	4,312858E+21	2,610522E+21	2,610491E+21	4,312761E+21	7,526421E+21
-1007	1,153067E+22	1,525216E+22	1,755362E+22	1,755355E+22	1,525193E+22	1,153033E+22	7,526273E+21	4,312802E+21	2,610656E+21	2,610791E+21	4,313154E+21	7,526622E+21
-1006	1,153035E+22	1,525128E+22	1,755232E+22	1,755262E+22	1,525181E+22	1,153069E+22	7,526790E+21	4,313295E+21	2,610982E+21	2,610900E+21	4,313037E+21	7,526351E+21
-1005	1,153014E+22	1,525152E+22	1,755293E+22	1,755293E+22	1,525175E+22	1,153052E+22	7,526674E+21	4,313318E+21	2,611152E+21	2,611172E+21	4,313411E+21	7,526904E+21
-1004	1,153075E+22	1,525167E+22	1,755244E+22	1,755195E+22	1,525076E+22	1,153000E+22	7,526584E+21	4,313426E+21	2,611351E+21	2,611431E+21	4,313599E+21	7,526705E+21
-1003	1,153002E+22	1,525070E+22	1,755183E+22	1,755207E+22	1,525114E+22	1,153034E+22	7,526971E+21	4,313837E+21	2,611629E+21	2,611514E+21	4,313498E+21	7,526561E+21
-1002	1,153017E+22	1,525133E+22	1,755250E+22	1,755248E+22	1,525127E+22	1,153012E+22	7,526571E+21	4,313562E+21	2,611615E+21	2,611731E+21	4,313939E+21	7,527115E+21
-1001	1,153045E+22	1,525106E+22	1,755172E+22	1,755144E+22	1,525069E+22	1,153013E+22	7,526778E+21	4,313687E+21	2,611629E+21	2,611660E+21	4,313739E+21	7,526731E+21
-1000	1,152989E+22	1,525053E+22	1,755182E+22	1,755214E+22	1,525129E+22	1,153048E+22	7,527004E+21	4,313815E+21	2,611636E+21	2,611556E+21	4,313581E+21	7,526753E+21
-999	1,153047E+22	1,525145E+22	1,755234E+22	1,755220E+22	1,525105E+22	1,153009E+22	7,526597E+21	4,313494E+21	2,611468E+21	2,611560E+21	4,313753E+21	7,526909E+21
-998	1,153029E+22	1,525095E+22	1,755169E+22	1,755172E+22	1,525110E+22	1,153043E+22	7,526926E+21	4,313656E+21	2,611413E+21	2,611303E+21	4,313305E+21	7,526363E+21
-997	1,152985E+22	1,525107E+22	1,755266E+22	1,755280E+22	1,525162E+22	1,153050E+22	7,526778E+21	4,313455E+21	2,611243E+21	2,611193E+21	4,313341E+21	7,526745E+21
-996	1,153062E+22	1,525165E+22	1,755270E+22	1,755247E+22	1,525114E+22	1,153005E+22	7,526395E+21	4,313128E+21	2,611024E+21	2,611124E+21	4,313386E+21	7,526647E+21
-995	1,153016E+22	1,525102E+22	1,755222E+22	1,755259E+22	1,525167E+22	1,153055E+22	7,526733E+21	4,313270E+21	2,610936E+21	2,610827E+21	4,312956E+21	7,526333E+21
-994	1,153030E+22	1,525184E+22	1,755330E+22	1,755334E+22	1,525200E+22	1,153047E+22	7,526373E+21	4,312902E+21	2,610726E+21	2,610791E+21	4,313148E+21	7,526816E+21
-993	1,153086E+22	1,525210E+22	1,755312E+22	1,755263E+22	1,525132E+22	1,153023E+22	7,526361E+21	4,312855E+21	2,610619E+21	2,610658E+21	4,312923E+21	7,526385E+21
-992	1,153023E+22	1,525147E+22	1,755310E+22	1,755332E+22	1,525195E+22	1,153060E+22	7,526656E+21	4,313093E+21	2,610725E+21	2,610618E+21	4,312752E+21	7,526210E+21
-991	1,153045E+22	1,525217E+22	1,755364E+22	1,755357E+22	1,525193E+22	1,153028E+22	7,526268E+21	4,312874E+21	2,610741E+21	2,610848E+21	4,313187E+21	7,526645E+21
-990	1,153042E+22	1,525157E+22	1,755266E+22	1,755261E+22	1,525163E+22	1,153050E+22	7,526594E+21	4,313143E+21	2,610910E+21	2,610891E+21	4,313053E+21	7,526309E+21
-989	1,152988E+22	1,525105E+22	1,755273E+22	1,755305E+22	1,525192E+22	1,153070E+22	7,526805E+21	4,313360E+21	2,611118E+21	2,611077E+21	4,313246E+21	7,526693E+21
-988	1,153062E+22	1,525160E+22	1,755254E+22	1,755233E+22	1,525107E+22	1,153005E+22	7,526470E+21	4,313290E+21	2,611257E+21	2,611394E+21	4,313656E+21	7,526875E+21
-987	1,153027E+22	1,525083E+22	1,755153E+22	1,755164E+22	1,525094E+22	1,153030E+22	7,526944E+21	4,313778E+21	2,611577E+21	2,611484E+21	4,313478E+21	7,526491E+21
-986	1,152994E+22	1,525100E+22	1,755216E+22	1,755214E+22	1,525111E+22	1,153023E+22	7,526815E+21	4,313790E+21	2,611765E+21	2,611791E+21	4,313898E+21	7,527041E+21
-985	1,153047E+22	1,525116E+22	1,755183E+22	1,755130E+22	1,525024E+22	1,152974E+22	7,526671E+21	4,313821E+21	2,611897E+21	2,612001E+21	4,314080E+21	7,526926E+21



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-984	1,152985E+22	1,525012E+22	1,755107E+22	1,755141E+22	1,525075E+22	1,153024E+22	7,527115E+21	4,314194E+21	2,612124E+21	2,612046E+21	4,313940E+21	7,526726E+21
-983	1,152993E+22	1,525068E+22	1,755159E+22	1,755165E+22	1,525078E+22	1,153006E+22	7,526835E+21	4,314007E+21	2,612123E+21	2,612229E+21	4,314348E+21	7,527310E+21
-982	1,153032E+22	1,525052E+22	1,755088E+22	1,755071E+22	1,525029E+22	1,153007E+22	7,527016E+21	4,314125E+21	2,612131E+21	2,612128E+21	4,314074E+21	7,526830E+21
-981	1,152973E+22	1,525005E+22	1,755102E+22	1,755135E+22	1,525080E+22	1,153040E+22	7,527262E+21	4,314269E+21	2,612140E+21	2,612015E+21	4,313905E+21	7,526831E+21
-980	1,153026E+22	1,525097E+22	1,755161E+22	1,755137E+22	1,525037E+22	1,152979E+22	7,526726E+21	4,313902E+21	2,611975E+21	2,612065E+21	4,314163E+21	7,527053E+21
-979	1,153006E+22	1,525042E+22	1,755103E+22	1,755108E+22	1,525050E+22	1,153009E+22	7,526988E+21	4,314008E+21	2,611882E+21	2,611788E+21	4,313713E+21	7,526535E+21
-978	1,152965E+22	1,525047E+22	1,755183E+22	1,755209E+22	1,525118E+22	1,153034E+22	7,526877E+21	4,313780E+21	2,611695E+21	2,611677E+21	4,313772E+21	7,526968E+21
-977	1,153051E+22	1,525127E+22	1,755207E+22	1,755176E+22	1,525061E+22	1,152985E+22	7,526473E+21	4,313408E+21	2,611409E+21	2,611531E+21	4,313746E+21	7,526882E+21
-976	1,153019E+22	1,525073E+22	1,755161E+22	1,755193E+22	1,525118E+22	1,153037E+22	7,526832E+21	4,313558E+21	2,611326E+21	2,611228E+21	4,313251E+21	7,526391E+21
-975	1,153012E+22	1,525145E+22	1,755270E+22	1,755264E+22	1,525147E+22	1,153031E+22	7,526571E+21	4,313313E+21	2,611202E+21	2,611240E+21	4,313470E+21	7,526871E+21
-974	1,153060E+22	1,525159E+22	1,755251E+22	1,755216E+22	1,525098E+22	1,153009E+22	7,526529E+21	4,313281E+21	2,611147E+21	2,611166E+21	4,313285E+21	7,526435E+21
-973	1,152991E+22	1,525079E+22	1,755225E+22	1,755269E+22	1,525163E+22	1,153057E+22	7,526895E+21	4,313555E+21	2,611285E+21	2,611166E+21	4,313198E+21	7,526389E+21
-972	1,153019E+22	1,525145E+22	1,755262E+22	1,755261E+22	1,525131E+22	1,153011E+22	7,526469E+21	4,313327E+21	2,611312E+21	2,611439E+21	4,313709E+21	7,526930E+21
-971	1,153028E+22	1,525092E+22	1,755168E+22	1,755164E+22	1,525090E+22	1,153024E+22	7,526799E+21	4,313609E+21	2,611472E+21	2,611462E+21	4,313533E+21	7,526559E+21
-970	1,152979E+22	1,525050E+22	1,755172E+22	1,755201E+22	1,525122E+22	1,153049E+22	7,527012E+21	4,313844E+21	2,611712E+21	2,611672E+21	4,313730E+21	7,526892E+21
-969	1,153049E+22	1,525126E+22	1,755187E+22	1,755139E+22	1,525028E+22	1,152971E+22	7,526595E+21	4,313730E+21	2,611826E+21	2,611966E+21	4,314115E+21	7,527070E+21
-968	1,153013E+22	1,525040E+22	1,755089E+22	1,755093E+22	1,525034E+22	1,153001E+22	7,527037E+21	4,314190E+21	2,612149E+21	2,612080E+21	4,313939E+21	7,526605E+21
-967	1,152962E+22	1,525035E+22	1,755135E+22	1,755141E+22	1,525061E+22	1,153005E+22	7,526989E+21	4,314263E+21	2,612367E+21	2,612398E+21	4,314403E+21	7,527262E+21
-966	1,153023E+22	1,525044E+22	1,755088E+22	1,755062E+22	1,524990E+22	1,152967E+22	7,526879E+21	4,314275E+21	2,612471E+21	2,612568E+21	4,314530E+21	7,527125E+21
-965	1,152968E+22	1,524949E+22	1,755009E+22	1,755058E+22	1,525033E+22	1,153024E+22	7,527421E+21	4,314679E+21	2,612668E+21	2,612560E+21	4,314345E+21	7,526919E+21
-964	1,152980E+22	1,525016E+22	1,755068E+22	1,755062E+22	1,525005E+22	1,152984E+22	7,527056E+21	4,314476E+21	2,612664E+21	2,612743E+21	4,314736E+21	7,527441E+21
-963	1,153013E+22	1,525004E+22	1,755017E+22	1,754990E+22	1,524956E+22	1,152976E+22	7,527190E+21	4,314564E+21	2,612648E+21	2,612625E+21	4,314431E+21	7,526894E+21
-962	1,152945E+22	1,524949E+22	1,755027E+22	1,755066E+22	1,525029E+22	1,153017E+22	7,527384E+21	4,314665E+21	2,612654E+21	2,612540E+21	4,314325E+21	7,526941E+21
-961	1,152998E+22	1,525048E+22	1,755098E+22	1,755072E+22	1,524988E+22	1,152955E+22	7,526763E+21	4,314197E+21	2,612407E+21	2,612529E+21	4,314580E+21	7,527287E+21
-960	1,152995E+22	1,524995E+22	1,755035E+22	1,755046E+22	1,525011E+22	1,152994E+22	7,527041E+21	4,314258E+21	2,612266E+21	2,612215E+21	4,314080E+21	7,526716E+21
-959	1,152953E+22	1,525000E+22	1,755108E+22	1,755136E+22	1,525071E+22	1,153021E+22	7,527043E+21	4,314128E+21	2,612107E+21	2,612084E+21	4,314113E+21	7,527162E+21
-958	1,153046E+22	1,525088E+22	1,755140E+22	1,755118E+22	1,525027E+22	1,152974E+22	7,526645E+21	4,313777E+21	2,611843E+21	2,611934E+21	4,314025E+21	7,526959E+21
-957	1,153006E+22	1,525038E+22	1,755101E+22	1,755131E+22	1,525077E+22	1,153030E+22	7,527072E+21	4,313982E+21	2,611802E+21	2,611667E+21	4,313572E+21	7,526466E+21
-956	1,152985E+22	1,525094E+22	1,755201E+22	1,755191E+22	1,525088E+22	1,153007E+22	7,526734E+21	4,313747E+21	2,611736E+21	2,611771E+21	4,313892E+21	7,527003E+21
-955	1,153031E+22	1,525096E+22	1,755174E+22	1,755147E+22	1,525046E+22	1,152987E+22	7,526680E+21	4,313700E+21	2,611687E+21	2,611725E+21	4,313754E+21	7,526637E+21
-954	1,152968E+22	1,525010E+22	1,755121E+22	1,755178E+22	1,525113E+22	1,153045E+22	7,527085E+21	4,313987E+21	2,611844E+21	2,611754E+21	4,313709E+21	7,526642E+21
-953	1,153005E+22	1,525095E+22	1,755174E+22	1,755162E+22	1,525062E+22	1,152986E+22	7,526615E+21	4,313731E+21	2,611832E+21	2,611972E+21	4,314169E+21	7,527212E+21
-952	1,153027E+22	1,525054E+22	1,755090E+22	1,755074E+22	1,525021E+22	1,152994E+22	7,526912E+21	4,314014E+21	2,612007E+21	2,612002E+21	4,313939E+21	7,526680E+21
-951	1,152957E+22	1,525002E+22	1,755098E+22	1,755115E+22	1,525052E+22	1,153020E+22	7,527203E+21	4,314344E+21	2,612312E+21	2,612250E+21	4,314170E+21	7,527031E+21
-950	1,153022E+22	1,525066E+22	1,755114E+22	1,755082E+22	1,524986E+22	1,152951E+22	7,526763E+21	4,314214E+21	2,612438E+21	2,612565E+21	4,314564E+21	7,527196E+21
-949	1,152984E+22	1,524975E+22	1,755003E+22	1,755022E+22	1,524997E+22	1,152996E+22	7,527284E+21	4,314677E+21	2,612746E+21	2,612670E+21	4,314426E+21	7,526817E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-948	1,152936E+22	1,524962E+22	1,755034E+22	1,755046E+22	1,525002E+22	1,152990E+22	7,527223E+21	4,314745E+21	2,612957E+21	2,612993E+21	4,314900E+21	7,527511E+21
-947	1,153007E+22	1,524982E+22	1,754995E+22	1,754973E+22	1,524928E+22	1,152949E+22	7,527110E+21	4,314745E+21	2,613028E+21	2,613119E+21	4,314961E+21	7,527305E+21
-946	1,152952E+22	1,524894E+22	1,754911E+22	1,754959E+22	1,524973E+22	1,153008E+22	7,527644E+21	4,315149E+21	2,613231E+21	2,613111E+21	4,314768E+21	7,527040E+21
-945	1,152957E+22	1,524975E+22	1,755002E+22	1,754977E+22	1,524935E+22	1,152954E+22	7,527175E+21	4,314873E+21	2,613168E+21	2,613246E+21	4,315137E+21	7,527597E+21
-944	1,152994E+22	1,524957E+22	1,754954E+22	1,754926E+22	1,524902E+22	1,152946E+22	7,527223E+21	4,314900E+21	2,613128E+21	2,613129E+21	4,314833E+21	7,527013E+21
-943	1,152916E+22	1,524887E+22	1,754949E+22	1,754994E+22	1,524981E+22	1,152998E+22	7,527493E+21	4,315023E+21	2,613125E+21	2,613028E+21	4,314759E+21	7,527189E+21
-942	1,152984E+22	1,524989E+22	1,755017E+22	1,755010E+22	1,524957E+22	1,152945E+22	7,526894E+21	4,314524E+21	2,612834E+21	2,612961E+21	4,314934E+21	7,527492E+21
-941	1,152991E+22	1,524957E+22	1,754962E+22	1,754974E+22	1,524971E+22	1,152990E+22	7,527250E+21	4,314615E+21	2,612674E+21	2,612601E+21	4,314391E+21	7,526887E+21
-940	1,152947E+22	1,524968E+22	1,755042E+22	1,755054E+22	1,525010E+22	1,152999E+22	7,527199E+21	4,314510E+21	2,612558E+21	2,612506E+21	4,314417E+21	7,527255E+21
-939	1,153030E+22	1,525051E+22	1,755089E+22	1,755058E+22	1,524971E+22	1,152950E+22	7,526798E+21	4,314169E+21	2,612316E+21	2,612387E+21	4,314336E+21	7,526988E+21
-938	1,152977E+22	1,524985E+22	1,755033E+22	1,755071E+22	1,525039E+22	1,153016E+22	7,527232E+21	4,314394E+21	2,612322E+21	2,612196E+21	4,313990E+21	7,526561E+21
-937	1,152952E+22	1,525038E+22	1,755130E+22	1,755121E+22	1,525041E+22	1,152989E+22	7,526849E+21	4,314108E+21	2,612221E+21	2,612282E+21	4,314337E+21	7,527228E+21
-936	1,153013E+22	1,525038E+22	1,755091E+22	1,755070E+22	1,524998E+22	1,152971E+22	7,526804E+21	4,314059E+21	2,612176E+21	2,612243E+21	4,314186E+21	7,526840E+21
-935	1,152951E+22	1,524952E+22	1,755028E+22	1,755083E+22	1,525052E+22	1,153027E+22	7,527301E+21	4,314444E+21	2,612383E+21	2,612286E+21	4,314151E+21	7,526885E+21
-934	1,152996E+22	1,525042E+22	1,755086E+22	1,755078E+22	1,525008E+22	1,152968E+22	7,526814E+21	4,314205E+21	2,612402E+21	2,612512E+21	4,314559E+21	7,527346E+21
-933	1,153011E+22	1,525010E+22	1,755017E+22	1,754994E+22	1,524963E+22	1,152976E+22	7,527143E+21	4,314522E+21	2,612609E+21	2,612577E+21	4,314386E+21	7,526838E+21
-932	1,152930E+22	1,524941E+22	1,755018E+22	1,755031E+22	1,524984E+22	1,152986E+22	7,527340E+21	4,314844E+21	2,612955E+21	2,612894E+21	4,314689E+21	7,527234E+21
-931	1,152994E+22	1,524994E+22	1,755023E+22	1,755001E+22	1,524931E+22	1,152930E+22	7,526939E+21	4,314688E+21	2,613059E+21	2,613204E+21	4,315091E+21	7,527428E+21
-930	1,152962E+22	1,524904E+22	1,754896E+22	1,754927E+22	1,524946E+22	1,152987E+22	7,527520E+21	4,315157E+21	2,613352E+21	2,613298E+21	4,314954E+21	7,527059E+21
-929	1,152920E+22	1,524910E+22	1,754944E+22	1,754944E+22	1,524933E+22	1,152968E+22	7,527408E+21	4,315182E+21	2,613498E+21	2,613535E+21	4,315336E+21	7,527727E+21
-928	1,152998E+22	1,524939E+22	1,754918E+22	1,754884E+22	1,524864E+22	1,152924E+22	7,527240E+21	4,315158E+21	2,613557E+21	2,613639E+21	4,315332E+21	7,527379E+21
-927	1,152926E+22	1,524842E+22	1,754837E+22	1,754876E+22	1,524910E+22	1,152983E+22	7,527814E+21	4,315601E+21	2,613774E+21	2,613637E+21	4,315172E+21	7,527168E+21
-926	1,152930E+22	1,524909E+22	1,754926E+22	1,754920E+22	1,524899E+22	1,152935E+22	7,527299E+21	4,315271E+21	2,613678E+21	2,613746E+21	4,315519E+21	7,527728E+21
-925	1,152972E+22	1,524900E+22	1,754878E+22	1,754861E+22	1,524867E+22	1,152939E+22	7,527402E+21	4,315272E+21	2,613587E+21	2,613591E+21	4,315243E+21	7,527246E+21
-924	1,152901E+22	1,524832E+22	1,754868E+22	1,754912E+22	1,524924E+22	1,152978E+22	7,527635E+21	4,315385E+21	2,613575E+21	2,613482E+21	4,315148E+21	7,527423E+21
-923	1,152980E+22	1,524948E+22	1,754948E+22	1,754936E+22	1,524905E+22	1,152930E+22	7,527070E+21	4,314884E+21	2,613266E+21	2,613385E+21	4,315255E+21	7,527622E+21
-922	1,152984E+22	1,524924E+22	1,754897E+22	1,754899E+22	1,524924E+22	1,152977E+22	7,527430E+21	4,314997E+21	2,613134E+21	2,613052E+21	4,314716E+21	7,526941E+21
-921	1,152927E+22	1,524938E+22	1,754997E+22	1,754991E+22	1,524955E+22	1,152974E+22	7,527301E+21	4,314859E+21	2,613004E+21	2,612950E+21	4,314749E+21	7,527340E+21
-920	1,153007E+22	1,525005E+22	1,755034E+22	1,755008E+22	1,524933E+22	1,152927E+22	7,526840E+21	4,314500E+21	2,612786E+21	2,612872E+21	4,314709E+21	7,527076E+21
-919	1,152944E+22	1,524917E+22	1,754949E+22	1,754997E+22	1,524997E+22	1,153004E+22	7,527391E+21	4,314788E+21	2,612825E+21	2,612714E+21	4,314445E+21	7,526812E+21
-918	1,152934E+22	1,524965E+22	1,755037E+22	1,755049E+22	1,525004E+22	1,152981E+22	7,527046E+21	4,314514E+21	2,612721E+21	2,612780E+21	4,314741E+21	7,527444E+21
-917	1,153006E+22	1,524989E+22	1,755004E+22	1,754978E+22	1,524942E+22	1,152960E+22	7,527047E+21	4,314510E+21	2,612692E+21	2,612741E+21	4,314596E+21	7,527048E+21
-916	1,152939E+22	1,524904E+22	1,754946E+22	1,754981E+22	1,524971E+22	1,152994E+22	7,527462E+21	4,314920E+21	2,612965E+21	2,612848E+21	4,314575E+21	7,527043E+21
-915	1,152979E+22	1,524994E+22	1,755018E+22	1,754998E+22	1,524940E+22	1,152938E+22	7,526968E+21	4,314673E+21	2,613003E+21	2,613112E+21	4,315008E+21	7,527463E+21
-914	1,152984E+22	1,524948E+22	1,754934E+22	1,754916E+22	1,524913E+22	1,152957E+22	7,527296E+21	4,314992E+21	2,613234E+21	2,613224E+21	4,314909E+21	7,527009E+21
-913	1,152903E+22	1,524881E+22	1,754934E+22	1,754946E+22	1,524930E+22	1,152967E+22	7,527475E+21	4,315259E+21	2,613521E+21	2,613489E+21	4,315199E+21	7,527503E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-912	1,152980E+22	1,524933E+22	1,754935E+22	1,754918E+22	1,524880E+22	1,152913E+22	7,527089E+21	4,315110E+21	2,613614E+21	2,613770E+21	4,315543E+21	7,527618E+21
-911	1,152943E+22	1,524841E+22	1,754801E+22	1,754828E+22	1,524885E+22	1,152973E+22	7,527781E+21	4,315657E+21	2,613927E+21	2,613856E+21	4,315402E+21	7,527269E+21
-910	1,152904E+22	1,524848E+22	1,754857E+22	1,754863E+22	1,524880E+22	1,152953E+22	7,527643E+21	4,315670E+21	2,614067E+21	2,614068E+21	4,315710E+21	7,527808E+21
-909	1,152975E+22	1,524888E+22	1,754845E+22	1,754805E+22	1,524807E+22	1,152907E+22	7,527470E+21	4,315640E+21	2,614117E+21	2,614179E+21	4,315763E+21	7,527523E+21
-908	1,152897E+22	1,524777E+22	1,754755E+22	1,754792E+22	1,524845E+22	1,152952E+22	7,527919E+21	4,316036E+21	2,614340E+21	2,614207E+21	4,315646E+21	7,527389E+21
-907	1,152911E+22	1,524845E+22	1,754840E+22	1,754838E+22	1,524846E+22	1,152918E+22	7,527433E+21	4,315647E+21	2,614187E+21	2,614276E+21	4,315963E+21	7,527954E+21
-906	1,152962E+22	1,524846E+22	1,754793E+22	1,754777E+22	1,524819E+22	1,152928E+22	7,527567E+21	4,315644E+21	2,614063E+21	2,614083E+21	4,315652E+21	7,527446E+21
-905	1,152898E+22	1,524803E+22	1,754807E+22	1,754833E+22	1,524864E+22	1,152954E+22	7,527735E+21	4,315708E+21	2,613989E+21	2,613894E+21	4,315469E+21	7,527569E+21
-904	1,152975E+22	1,524921E+22	1,754900E+22	1,754876E+22	1,524857E+22	1,152907E+22	7,527144E+21	4,315212E+21	2,613692E+21	2,613793E+21	4,315521E+21	7,527616E+21
-903	1,152956E+22	1,524880E+22	1,754847E+22	1,754844E+22	1,524882E+22	1,152962E+22	7,527584E+21	4,315378E+21	2,613597E+21	2,613506E+21	4,315064E+21	7,527026E+21
-902	1,152896E+22	1,524869E+22	1,754928E+22	1,754946E+22	1,524931E+22	1,152967E+22	7,527449E+21	4,315225E+21	2,613470E+21	2,613411E+21	4,315096E+21	7,527417E+21
-901	1,152979E+22	1,524941E+22	1,754956E+22	1,754942E+22	1,524902E+22	1,152928E+22	7,527065E+21	4,314885E+21	2,613247E+21	2,613343E+21	4,315131E+21	7,527301E+21
-900	1,152926E+22	1,524852E+22	1,754857E+22	1,754902E+22	1,524933E+22	1,152982E+22	7,527559E+21	4,315199E+21	2,613332E+21	2,613224E+21	4,314881E+21	7,527070E+21
-899	1,152929E+22	1,524912E+22	1,754946E+22	1,754949E+22	1,524937E+22	1,152962E+22	7,527242E+21	4,314943E+21	2,613247E+21	2,613300E+21	4,315145E+21	7,527616E+21
-898	1,152997E+22	1,524946E+22	1,754925E+22	1,754885E+22	1,524876E+22	1,152938E+22	7,527227E+21	4,314968E+21	2,613263E+21	2,613313E+21	4,315038E+21	7,527184E+21
-897	1,152922E+22	1,524867E+22	1,754886E+22	1,754901E+22	1,524899E+22	1,152957E+22	7,527534E+21	4,315329E+21	2,613523E+21	2,613421E+21	4,315037E+21	7,527220E+21
-896	1,152959E+22	1,524940E+22	1,754949E+22	1,754932E+22	1,524891E+22	1,152910E+22	7,527019E+21	4,315075E+21	2,613578E+21	2,613705E+21	4,315481E+21	7,527622E+21
-895	1,152955E+22	1,524878E+22	1,754844E+22	1,754832E+22	1,524865E+22	1,152945E+22	7,527491E+21	4,315446E+21	2,613819E+21	2,613830E+21	4,315429E+21	7,527283E+21
-894	1,152886E+22	1,524805E+22	1,754834E+22	1,754866E+22	1,524886E+22	1,152961E+22	7,527728E+21	4,315735E+21	2,614091E+21	2,614045E+21	4,315622E+21	7,527667E+21
-893	1,152966E+22	1,524879E+22	1,754846E+22	1,754825E+22	1,524824E+22	1,152906E+22	7,527394E+21	4,315627E+21	2,614187E+21	2,614313E+21	4,315968E+21	7,527776E+21
-892	1,152920E+22	1,524782E+22	1,754715E+22	1,754726E+22	1,524805E+22	1,152943E+22	7,527992E+21	4,316184E+21	2,614548E+21	2,614446E+21	4,315840E+21	7,527404E+21
-891	1,152880E+22	1,524785E+22	1,754775E+22	1,754777E+22	1,524814E+22	1,152929E+22	7,527832E+21	4,316154E+21	2,614673E+21	2,614668E+21	4,316166E+21	7,527922E+21
-890	1,152946E+22	1,524821E+22	1,754757E+22	1,754724E+22	1,524756E+22	1,152889E+22	7,527625E+21	4,316080E+21	2,614695E+21	2,614780E+21	4,316263E+21	7,527717E+21
-889	1,152877E+22	1,524724E+22	1,754676E+22	1,754710E+22	1,524786E+22	1,152928E+22	7,527996E+21	4,316373E+21	2,614817E+21	2,614718E+21	4,316102E+21	7,527666E+21
-888	1,152908E+22	1,524802E+22	1,754769E+22	1,754767E+22	1,524797E+22	1,152897E+22	7,527506E+21	4,315972E+21	2,614629E+21	2,614723E+21	4,316320E+21	7,528118E+21
-887	1,152953E+22	1,524805E+22	1,754724E+22	1,754703E+22	1,524771E+22	1,152915E+22	7,527742E+21	4,316014E+21	2,614504E+21	2,614511E+21	4,315988E+21	7,527593E+21
-886	1,152887E+22	1,524760E+22	1,754752E+22	1,754782E+22	1,524827E+22	1,152944E+22	7,527914E+21	4,316080E+21	2,614425E+21	2,614299E+21	4,315732E+21	7,527571E+21
-885	1,152952E+22	1,524880E+22	1,754850E+22	1,754826E+22	1,524819E+22	1,152898E+22	7,527338E+21	4,315599E+21	2,614140E+21	2,614228E+21	4,315866E+21	7,527685E+21
-884	1,152920E+22	1,524812E+22	1,754771E+22	1,754774E+22	1,524831E+22	1,152941E+22	7,527706E+21	4,315762E+21	2,614093E+21	2,614008E+21	4,315489E+21	7,527221E+21
-883	1,152877E+22	1,524800E+22	1,754834E+22	1,754862E+22	1,524884E+22	1,152958E+22	7,527625E+21	4,315590E+21	2,613952E+21	2,613919E+21	4,315527E+21	7,527625E+21
-882	1,152967E+22	1,524883E+22	1,754861E+22	1,754846E+22	1,524845E+22	1,152916E+22	7,527262E+21	4,315286E+21	2,613744E+21	2,613854E+21	4,315557E+21	7,527513E+21
-881	1,152925E+22	1,524821E+22	1,754784E+22	1,754807E+22	1,524857E+22	1,152950E+22	7,527645E+21	4,315560E+21	2,613806E+21	2,613703E+21	4,315266E+21	7,527260E+21
-880	1,152927E+22	1,524884E+22	1,754889E+22	1,754875E+22	1,524871E+22	1,152926E+22	7,527292E+21	4,315326E+21	2,613761E+21	2,613800E+21	4,315500E+21	7,527675E+21
-879	1,152972E+22	1,524897E+22	1,754864E+22	1,754820E+22	1,524824E+22	1,152914E+22	7,527361E+21	4,315396E+21	2,613815E+21	2,613870E+21	4,315487E+21	7,527336E+21
-878	1,152895E+22	1,524797E+22	1,754813E+22	1,754849E+22	1,524866E+22	1,152947E+22	7,527703E+21	4,315753E+21	2,614072E+21	2,613974E+21	4,315468E+21	7,527345E+21
-877	1,152931E+22	1,524874E+22	1,754865E+22	1,754858E+22	1,524853E+22	1,152911E+22	7,527303E+21	4,315546E+21	2,614132E+21	2,614266E+21	4,315963E+21	7,527838E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-876	1,152931E+22	1,524804E+22	1,754744E+22	1,754734E+22	1,524800E+22	1,152929E+22	7,527756E+21	4,315970E+21	2,614435E+21	2,614433E+21	4,315917E+21	7,527522E+21
-875	1,152874E+22	1,524741E+22	1,754729E+22	1,754758E+22	1,524820E+22	1,152950E+22	7,528015E+21	4,316269E+21	2,614723E+21	2,614658E+21	4,316080E+21	7,527794E+21
-874	1,152943E+22	1,524821E+22	1,754754E+22	1,754724E+22	1,524753E+22	1,152886E+22	7,527648E+21	4,316175E+21	2,614843E+21	2,614956E+21	4,316456E+21	7,527915E+21
-873	1,152897E+22	1,524730E+22	1,754638E+22	1,754638E+22	1,524727E+22	1,152903E+22	7,528073E+21	4,316629E+21	2,615148E+21	2,615062E+21	4,316354E+21	7,527630E+21
-872	1,152861E+22	1,524724E+22	1,754692E+22	1,754701E+22	1,524757E+22	1,152897E+22	7,527865E+21	4,316544E+21	2,615231E+21	2,615247E+21	4,316651E+21	7,528135E+21
-871	1,152926E+22	1,524758E+22	1,754669E+22	1,754642E+22	1,524706E+22	1,152875E+22	7,527773E+21	4,316462E+21	2,615201E+21	2,615314E+21	4,316748E+21	7,528021E+21
-870	1,152873E+22	1,524669E+22	1,754597E+22	1,754641E+22	1,524742E+22	1,152916E+22	7,528165E+21	4,316732E+21	2,615261E+21	2,615154E+21	4,316434E+21	7,527802E+21
-869	1,152902E+22	1,524770E+22	1,754708E+22	1,754698E+22	1,524752E+22	1,152891E+22	7,527738E+21	4,316363E+21	2,615059E+21	2,615130E+21	4,316629E+21	7,528196E+21
-868	1,152931E+22	1,524762E+22	1,754666E+22	1,754636E+22	1,524713E+22	1,152892E+22	7,527894E+21	4,316417E+21	2,614985E+21	2,614963E+21	4,316306E+21	7,527651E+21
-867	1,152863E+22	1,524705E+22	1,754681E+22	1,754718E+22	1,524785E+22	1,152932E+22	7,528082E+21	4,316463E+21	2,614909E+21	2,614777E+21	4,316083E+21	7,527603E+21
-866	1,152917E+22	1,524815E+22	1,754770E+22	1,754759E+22	1,524784E+22	1,152891E+22	7,527519E+21	4,315982E+21	2,614623E+21	2,614726E+21	4,316275E+21	7,527836E+21
-865	1,152902E+22	1,524759E+22	1,754692E+22	1,754694E+22	1,524772E+22	1,152918E+22	7,527800E+21	4,316080E+21	2,614523E+21	2,614469E+21	4,315906E+21	7,527481E+21
-864	1,152874E+22	1,524756E+22	1,754755E+22	1,754783E+22	1,524827E+22	1,152933E+22	7,527713E+21	4,315930E+21	2,614392E+21	2,614358E+21	4,315884E+21	7,527789E+21
-863	1,152958E+22	1,524845E+22	1,754788E+22	1,754763E+22	1,524786E+22	1,152897E+22	7,527424E+21	4,315673E+21	2,614216E+21	2,614323E+21	4,315943E+21	7,527692E+21
-862	1,152914E+22	1,524780E+22	1,754728E+22	1,754749E+22	1,524805E+22	1,152928E+22	7,527781E+21	4,315949E+21	2,614296E+21	2,614179E+21	4,315605E+21	7,527316E+21
-861	1,152904E+22	1,524841E+22	1,754835E+22	1,754822E+22	1,524828E+22	1,152910E+22	7,527467E+21	4,315754E+21	2,614286E+21	2,614329E+21	4,315938E+21	7,527806E+21
-860	1,152938E+22	1,524825E+22	1,754780E+22	1,754748E+22	1,524772E+22	1,152894E+22	7,527512E+21	4,315850E+21	2,614407E+21	2,614470E+21	4,315989E+21	7,527575E+21
-859	1,152875E+22	1,524723E+22	1,754707E+22	1,754755E+22	1,524818E+22	1,152944E+22	7,527967E+21	4,316232E+21	2,614672E+21	2,614587E+21	4,315968E+21	7,527547E+21
-858	1,152911E+22	1,524807E+22	1,754760E+22	1,754756E+22	1,524791E+22	1,152902E+22	7,527612E+21	4,316084E+21	2,614759E+21	2,614884E+21	4,316445E+21	7,528031E+21
-857	1,152919E+22	1,524755E+22	1,754653E+22	1,754629E+22	1,524717E+22	1,152898E+22	7,527936E+21	4,316461E+21	2,615043E+21	2,615036E+21	4,316394E+21	7,527723E+21
-856	1,152861E+22	1,524693E+22	1,754648E+22	1,754668E+22	1,524746E+22	1,152913E+22	7,528128E+21	4,316746E+21	2,615337E+21	2,615260E+21	4,316534E+21	7,527907E+21
-855	1,152912E+22	1,524756E+22	1,754668E+22	1,754641E+22	1,524693E+22	1,152860E+22	7,527793E+21	4,316637E+21	2,615442E+21	2,615570E+21	4,316977E+21	7,528141E+21
-854	1,152873E+22	1,524659E+22	1,754555E+22	1,754572E+22	1,524682E+22	1,152886E+22	7,528200E+21	4,317023E+21	2,615678E+21	2,615607E+21	4,316805E+21	7,527835E+21
-853	1,152845E+22	1,524672E+22	1,754614E+22	1,754626E+22	1,524710E+22	1,152887E+22	7,528070E+21	4,316942E+21	2,615713E+21	2,615743E+21	4,317091E+21	7,528363E+21
-852	1,152910E+22	1,524700E+22	1,754583E+22	1,754557E+22	1,524646E+22	1,152855E+22	7,527962E+21	4,316889E+21	2,615707E+21	2,615801E+21	4,317133E+21	7,528217E+21
-851	1,152867E+22	1,524627E+22	1,754518E+22	1,754556E+22	1,524692E+22	1,152909E+22	7,528395E+21	4,317152E+21	2,615759E+21	2,615629E+21	4,316766E+21	7,527846E+21
-850	1,152878E+22	1,524728E+22	1,754644E+22	1,754626E+22	1,524700E+22	1,152878E+22	7,527970E+21	4,316809E+21	2,615576E+21	2,615622E+21	4,316969E+21	7,528233E+21
-849	1,152905E+22	1,524715E+22	1,754604E+22	1,754573E+22	1,524657E+22	1,152862E+22	7,527966E+21	4,316773E+21	2,615460E+21	2,615451E+21	4,316706E+21	7,527805E+21
-848	1,152842E+22	1,524648E+22	1,754602E+22	1,754653E+22	1,524741E+22	1,152908E+22	7,528126E+21	4,316787E+21	2,615364E+21	2,615247E+21	4,316478E+21	7,527767E+21
-847	1,152894E+22	1,524752E+22	1,754681E+22	1,754681E+22	1,524737E+22	1,152879E+22	7,527670E+21	4,316323E+21	2,615060E+21	2,615184E+21	4,316693E+21	7,528101E+21
-846	1,152895E+22	1,524711E+22	1,754619E+22	1,754626E+22	1,524723E+22	1,152901E+22	7,527941E+21	4,316417E+21	2,614937E+21	2,614875E+21	4,316223E+21	7,527622E+21
-845	1,152869E+22	1,524730E+22	1,754699E+22	1,754713E+22	1,524772E+22	1,152916E+22	7,527896E+21	4,316314E+21	2,614835E+21	2,614790E+21	4,316226E+21	7,527884E+21
-844	1,152935E+22	1,524800E+22	1,754728E+22	1,754696E+22	1,524725E+22	1,152869E+22	7,527562E+21	4,316100E+21	2,614745E+21	2,614835E+21	4,316328E+21	7,527812E+21
-843	1,152892E+22	1,524726E+22	1,754652E+22	1,754681E+22	1,524765E+22	1,152918E+22	7,527952E+21	4,316371E+21	2,614849E+21	2,614741E+21	4,316040E+21	7,527413E+21
-842	1,152870E+22	1,524773E+22	1,754748E+22	1,754748E+22	1,524789E+22	1,152906E+22	7,527709E+21	4,316220E+21	2,614866E+21	2,614918E+21	4,316413E+21	7,528005E+21
-841	1,152919E+22	1,524764E+22	1,754688E+22	1,754661E+22	1,524711E+22	1,152873E+22	7,527684E+21	4,316284E+21	2,614965E+21	2,615049E+21	4,316490E+21	7,527862E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-840	1,152868E+22	1,524668E+22	1,754607E+22	1,754659E+22	1,524754E+22	1,152920E+22	7,528148E+21	4,316709E+21	2,615253E+21	2,615155E+21	4,316418E+21	7,527727E+21
-839	1,152891E+22	1,524751E+22	1,754668E+22	1,754657E+22	1,524724E+22	1,152884E+22	7,527854E+21	4,316595E+21	2,615365E+21	2,615480E+21	4,316927E+21	7,528233E+21
-838	1,152899E+22	1,524700E+22	1,754579E+22	1,754551E+22	1,524649E+22	1,152869E+22	7,528106E+21	4,316941E+21	2,615638E+21	2,615619E+21	4,316836E+21	7,527843E+21
-837	1,152835E+22	1,524638E+22	1,754572E+22	1,754593E+22	1,524689E+22	1,152889E+22	7,528295E+21	4,317210E+21	2,615920E+21	2,615860E+21	4,317049E+21	7,528105E+21
-836	1,152880E+22	1,524681E+22	1,754572E+22	1,754554E+22	1,524633E+22	1,152836E+22	7,527928E+21	4,317086E+21	2,616036E+21	2,616177E+21	4,317495E+21	7,528436E+21
-835	1,152862E+22	1,524597E+22	1,754451E+22	1,754474E+22	1,524630E+22	1,152878E+22	7,528407E+21	4,317451E+21	2,616228E+21	2,616165E+21	4,317254E+21	7,528035E+21
-834	1,152833E+22	1,524622E+22	1,754528E+22	1,754537E+22	1,524654E+22	1,152876E+22	7,528330E+21	4,317414E+21	2,616256E+21	2,616259E+21	4,317465E+21	7,528507E+21
-833	1,152902E+22	1,524666E+22	1,754516E+22	1,754478E+22	1,524579E+22	1,152825E+22	7,528091E+21	4,317296E+21	2,616210E+21	2,616287E+21	4,317488E+21	7,528321E+21
-832	1,152850E+22	1,524588E+22	1,754459E+22	1,754494E+22	1,524638E+22	1,152880E+22	7,528492E+21	4,317546E+21	2,616252E+21	2,616103E+21	4,317104E+21	7,527867E+21
-831	1,152840E+22	1,524666E+22	1,754575E+22	1,754568E+22	1,524663E+22	1,152864E+22	7,528114E+21	4,317182E+21	2,616051E+21	2,616108E+21	4,317375E+21	7,528378E+21
-830	1,152874E+22	1,524648E+22	1,754532E+22	1,754518E+22	1,524623E+22	1,152852E+22	7,528094E+21	4,317090E+21	2,615877E+21	2,615882E+21	4,317069E+21	7,527972E+21
-829	1,152827E+22	1,524600E+22	1,754528E+22	1,754582E+22	1,524700E+22	1,152900E+22	7,528308E+21	4,317121E+21	2,615762E+21	2,615666E+21	4,316863E+21	7,527980E+21
-828	1,152881E+22	1,524699E+22	1,754597E+22	1,754597E+22	1,524680E+22	1,152859E+22	7,527826E+21	4,316706E+21	2,615518E+21	2,615628E+21	4,317054E+21	7,528315E+21
-827	1,152894E+22	1,524677E+22	1,754545E+22	1,754541E+22	1,524671E+22	1,152889E+22	7,528116E+21	4,316808E+21	2,615421E+21	2,615348E+21	4,316570E+21	7,527710E+21
-826	1,152849E+22	1,524692E+22	1,754643E+22	1,754646E+22	1,524718E+22	1,152896E+22	7,528080E+21	4,316757E+21	2,615370E+21	2,615308E+21	4,316607E+21	7,527992E+21
-825	1,152913E+22	1,524751E+22	1,754662E+22	1,754633E+22	1,524671E+22	1,152838E+22	7,527625E+21	4,316480E+21	2,615270E+21	2,615382E+21	4,316790E+21	7,528030E+21
-824	1,152875E+22	1,524670E+22	1,754569E+22	1,754609E+22	1,524719E+22	1,152896E+22	7,528055E+21	4,316762E+21	2,615378E+21	2,615290E+21	4,316505E+21	7,527625E+21
-823	1,152848E+22	1,524707E+22	1,754650E+22	1,754657E+22	1,524737E+22	1,152897E+22	7,527942E+21	4,316664E+21	2,615408E+21	2,615472E+21	4,316883E+21	7,528251E+21
-822	1,152905E+22	1,524707E+22	1,754603E+22	1,754576E+22	1,524653E+22	1,152856E+22	7,527901E+21	4,316742E+21	2,615509E+21	2,615573E+21	4,316884E+21	7,528008E+21
-821	1,152854E+22	1,524629E+22	1,754533E+22	1,754570E+22	1,524687E+22	1,152898E+22	7,528371E+21	4,317197E+21	2,615827E+21	2,615718E+21	4,316855E+21	7,527841E+21
-820	1,152857E+22	1,524682E+22	1,754580E+22	1,754569E+22	1,524653E+22	1,152852E+22	7,528026E+21	4,317115E+21	2,616007E+21	2,616103E+21	4,317407E+21	7,528405E+21
-819	1,152872E+22	1,524631E+22	1,754481E+22	1,754463E+22	1,524598E+22	1,152853E+22	7,528281E+21	4,317422E+21	2,616267E+21	2,616258E+21	4,317346E+21	7,528013E+21
-818	1,152804E+22	1,524568E+22	1,754478E+22	1,754504E+22	1,524634E+22	1,152875E+22	7,528520E+21	4,317702E+21	2,616533E+21	2,616474E+21	4,317546E+21	7,528355E+21
-817	1,152868E+22	1,524623E+22	1,754479E+22	1,754462E+22	1,524567E+22	1,152810E+22	7,528078E+21	4,317516E+21	2,616592E+21	2,616745E+21	4,317972E+21	7,528710E+21
-816	1,152860E+22	1,524555E+22	1,754368E+22	1,754387E+22	1,524570E+22	1,152853E+22	7,528556E+21	4,317885E+21	2,616761E+21	2,616683E+21	4,317645E+21	7,528165E+21
-815	1,152814E+22	1,524575E+22	1,754455E+22	1,754457E+22	1,524600E+22	1,152861E+22	7,528541E+21	4,317859E+21	2,616785E+21	2,616771E+21	4,317851E+21	7,528617E+21
-814	1,152876E+22	1,524615E+22	1,754461E+22	1,754424E+22	1,524533E+22	1,152804E+22	7,528234E+21	4,317693E+21	2,616703E+21	2,616766E+21	4,317840E+21	7,528388E+21
-813	1,152821E+22	1,524535E+22	1,754394E+22	1,754436E+22	1,524601E+22	1,152865E+22	7,528628E+21	4,317910E+21	2,616718E+21	2,616593E+21	4,317532E+21	7,528024E+21
-812	1,152806E+22	1,524587E+22	1,754481E+22	1,754489E+22	1,524617E+22	1,152850E+22	7,528258E+21	4,317552E+21	2,616528E+21	2,616597E+21	4,317803E+21	7,528642E+21
-811	1,152867E+22	1,524592E+22	1,754435E+22	1,754425E+22	1,524576E+22	1,152846E+22	7,528280E+21	4,317452E+21	2,616329E+21	2,616343E+21	4,317446E+21	7,528159E+21
-810	1,152819E+22	1,524562E+22	1,754455E+22	1,754496E+22	1,524641E+22	1,152884E+22	7,528513E+21	4,317531E+21	2,616233E+21	2,616111E+21	4,317190E+21	7,528141E+21
-809	1,152880E+22	1,524673E+22	1,754540E+22	1,754521E+22	1,524613E+22	1,152825E+22	7,527899E+21	4,317065E+21	2,615983E+21	2,616086E+21	4,317400E+21	7,528453E+21
-808	1,152885E+22	1,524645E+22	1,754492E+22	1,754482E+22	1,524619E+22	1,152856E+22	7,528167E+21	4,317166E+21	2,615895E+21	2,615820E+21	4,316924E+21	7,527781E+21
-807	1,152819E+22	1,524636E+22	1,754577E+22	1,754590E+22	1,524684E+22	1,152883E+22	7,528213E+21	4,317127E+21	2,615856E+21	2,615812E+21	4,317027E+21	7,528161E+21
-806	1,152887E+22	1,524689E+22	1,754594E+22	1,754575E+22	1,524635E+22	1,152827E+22	7,527777E+21	4,316842E+21	2,615737E+21	2,615857E+21	4,317175E+21	7,528194E+21
-805	1,152857E+22	1,524617E+22	1,754490E+22	1,754530E+22	1,524673E+22	1,152888E+22	7,528291E+21	4,317182E+21	2,615875E+21	2,615799E+21	4,316936E+21	7,527807E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-804	1,152824E+22	1,524638E+22	1,754552E+22	1,754561E+22	1,524676E+22	1,152880E+22	7,528186E+21	4,317166E+21	2,615992E+21	2,616031E+21	4,317309E+21	7,528431E+21
-803	1,152891E+22	1,524654E+22	1,754508E+22	1,754472E+22	1,524591E+22	1,152842E+22	7,528146E+21	4,317264E+21	2,616136E+21	2,616182E+21	4,317331E+21	7,528109E+21
-802	1,152825E+22	1,524570E+22	1,754454E+22	1,754481E+22	1,524619E+22	1,152872E+22	7,528593E+21	4,317747E+21	2,616493E+21	2,616363E+21	4,317346E+21	7,528030E+21
-801	1,152835E+22	1,524615E+22	1,754488E+22	1,754479E+22	1,524585E+22	1,152815E+22	7,528100E+21	4,317571E+21	2,616639E+21	2,616760E+21	4,317966E+21	7,528702E+21
-800	1,152858E+22	1,524567E+22	1,754385E+22	1,754370E+22	1,524536E+22	1,152824E+22	7,528383E+21	4,317853E+21	2,616852E+21	2,616868E+21	4,317867E+21	7,528281E+21
-799	1,152789E+22	1,524506E+22	1,754384E+22	1,754411E+22	1,524576E+22	1,152860E+22	7,528719E+21	4,318146E+21	2,617090E+21	2,617044E+21	4,318025E+21	7,528605E+21
-798	1,152857E+22	1,524576E+22	1,754409E+22	1,754384E+22	1,524511E+22	1,152791E+22	7,528263E+21	4,317947E+21	2,617112E+21	2,617244E+21	4,318335E+21	7,528820E+21
-797	1,152845E+22	1,524520E+22	1,754311E+22	1,754316E+22	1,524519E+22	1,152837E+22	7,528756E+21	4,318314E+21	2,617277E+21	2,617196E+21	4,318032E+21	7,528228E+21
-796	1,152777E+22	1,524506E+22	1,754378E+22	1,754388E+22	1,524551E+22	1,152843E+22	7,528717E+21	4,318309E+21	2,617334E+21	2,617304E+21	4,318251E+21	7,528726E+21
-795	1,152848E+22	1,524547E+22	1,754370E+22	1,754348E+22	1,524500E+22	1,152801E+22	7,528416E+21	4,318098E+21	2,617220E+21	2,617290E+21	4,318258E+21	7,528526E+21
-794	1,152794E+22	1,524471E+22	1,754310E+22	1,754354E+22	1,524553E+22	1,152856E+22	7,528843E+21	4,318319E+21	2,617208E+21	2,617078E+21	4,317934E+21	7,528271E+21
-793	1,152801E+22	1,524532E+22	1,754393E+22	1,754399E+22	1,524554E+22	1,152825E+22	7,528367E+21	4,317902E+21	2,616973E+21	2,617051E+21	4,318192E+21	7,528897E+21
-792	1,152872E+22	1,524562E+22	1,754367E+22	1,754343E+22	1,524515E+22	1,152818E+22	7,528375E+21	4,317802E+21	2,616762E+21	2,616769E+21	4,317779E+21	7,528293E+21
-791	1,152810E+22	1,524532E+22	1,754403E+22	1,754426E+22	1,524585E+22	1,152861E+22	7,528635E+21	4,317890E+21	2,616685E+21	2,616559E+21	4,317532E+21	7,528238E+21
-790	1,152858E+22	1,524633E+22	1,754502E+22	1,754477E+22	1,524570E+22	1,152801E+22	7,527978E+21	4,317405E+21	2,616429E+21	2,616528E+21	4,317729E+21	7,528521E+21
-789	1,152861E+22	1,524600E+22	1,754440E+22	1,754433E+22	1,524588E+22	1,152843E+22	7,528266E+21	4,317493E+21	2,616350E+21	2,616307E+21	4,317339E+21	7,527924E+21
-788	1,152787E+22	1,524557E+22	1,754483E+22	1,754512E+22	1,524643E+22	1,152875E+22	7,528402E+21	4,317533E+21	2,616367E+21	2,616326E+21	4,317445E+21	7,528366E+21
-787	1,152873E+22	1,524627E+22	1,754492E+22	1,754480E+22	1,524592E+22	1,152827E+22	7,528037E+21	4,317298E+21	2,616278E+21	2,616388E+21	4,317579E+21	7,528336E+21
-786	1,152839E+22	1,524564E+22	1,754407E+22	1,754433E+22	1,524607E+22	1,152872E+22	7,528571E+21	4,317716E+21	2,616477E+21	2,616359E+21	4,317343E+21	7,527967E+21
-785	1,152809E+22	1,524582E+22	1,754468E+22	1,754464E+22	1,524597E+22	1,152845E+22	7,528329E+21	4,317655E+21	2,616612E+21	2,616643E+21	4,317781E+21	7,528603E+21
-784	1,152871E+22	1,524598E+22	1,754428E+22	1,754388E+22	1,524522E+22	1,152805E+22	7,528246E+21	4,317733E+21	2,616754E+21	2,616814E+21	4,317841E+21	7,528281E+21
-783	1,152795E+22	1,524499E+22	1,754363E+22	1,754396E+22	1,524565E+22	1,152851E+22	7,528724E+21	4,318188E+21	2,617093E+21	2,616997E+21	4,317896E+21	7,528300E+21
-782	1,152814E+22	1,524550E+22	1,754407E+22	1,754400E+22	1,524531E+22	1,152796E+22	7,528248E+21	4,317984E+21	2,617184E+21	2,617324E+21	4,318441E+21	7,528955E+21
-781	1,152851E+22	1,524519E+22	1,754306E+22	1,754288E+22	1,524484E+22	1,152809E+22	7,528579E+21	4,318277E+21	2,617386E+21	2,617421E+21	4,318327E+21	7,528482E+21
-780	1,152771E+22	1,524445E+22	1,754293E+22	1,754320E+22	1,524519E+22	1,152846E+22	7,528962E+21	4,318642E+21	2,617670E+21	2,617596E+21	4,318434E+21	7,528748E+21
-779	1,152841E+22	1,524527E+22	1,754327E+22	1,754297E+22	1,524461E+22	1,152784E+22	7,528522E+21	4,318449E+21	2,617702E+21	2,617808E+21	4,318733E+21	7,528867E+21
-778	1,152810E+22	1,524460E+22	1,754242E+22	1,754244E+22	1,524466E+22	1,152821E+22	7,528993E+21	4,318821E+21	2,617871E+21	2,617763E+21	4,318463E+21	7,528390E+21
-777	1,152752E+22	1,524432E+22	1,754286E+22	1,754306E+22	1,524495E+22	1,152818E+22	7,528813E+21	4,318704E+21	2,617870E+21	2,617862E+21	4,318729E+21	7,528975E+21
-776	1,152836E+22	1,524487E+22	1,754276E+22	1,754257E+22	1,524440E+22	1,152778E+22	7,528529E+21	4,318459E+21	2,617689E+21	2,617782E+21	4,318685E+21	7,528754E+21
-775	1,152785E+22	1,524421E+22	1,754227E+22	1,754266E+22	1,524494E+22	1,152838E+22	7,528985E+21	4,318670E+21	2,617647E+21	2,617525E+21	4,318312E+21	7,528479E+21
-774	1,152798E+22	1,524505E+22	1,754344E+22	1,754330E+22	1,524495E+22	1,152798E+22	7,528457E+21	4,318227E+21	2,617380E+21	2,617439E+21	4,318468E+21	7,528974E+21
-773	1,152863E+22	1,524540E+22	1,754332E+22	1,754292E+22	1,524467E+22	1,152795E+22	7,528461E+21	4,318115E+21	2,617178E+21	2,617192E+21	4,318094E+21	7,528321E+21
-772	1,152778E+22	1,524473E+22	1,754343E+22	1,754376E+22	1,524549E+22	1,152846E+22	7,528752E+21	4,318250E+21	2,617151E+21	2,617021E+21	4,317883E+21	7,528323E+21
-771	1,152832E+22	1,524573E+22	1,754422E+22	1,754414E+22	1,524548E+22	1,152804E+22	7,528164E+21	4,317779E+21	2,616908E+21	2,617012E+21	4,318103E+21	7,528614E+21
-770	1,152832E+22	1,524536E+22	1,754362E+22	1,754360E+22	1,524547E+22	1,152841E+22	7,528530E+21	4,317933E+21	2,616859E+21	2,616802E+21	4,317738E+21	7,528147E+21
-769	1,152777E+22	1,524492E+22	1,754385E+22	1,754418E+22	1,524582E+22	1,152855E+22	7,528578E+21	4,317962E+21	2,616896E+21	2,616856E+21	4,317874E+21	7,528577E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-768	1,152867E+22	1,524580E+22	1,754405E+22	1,754382E+22	1,524520E+22	1,152800E+22	7,528217E+21	4,317757E+21	2,616832E+21	2,616936E+21	4,318009E+21	7,528488E+21
-767	1,152820E+22	1,524514E+22	1,754333E+22	1,754343E+22	1,524534E+22	1,152844E+22	7,528735E+21	4,318185E+21	2,617068E+21	2,616959E+21	4,317829E+21	7,528144E+21
-766	1,152785E+22	1,524527E+22	1,754402E+22	1,754391E+22	1,524534E+22	1,152812E+22	7,528417E+21	4,318083E+21	2,617187E+21	2,617234E+21	4,318266E+21	7,528796E+21
-765	1,152852E+22	1,524541E+22	1,754351E+22	1,754313E+22	1,524472E+22	1,152784E+22	7,528344E+21	4,318123E+21	2,617317E+21	2,617428E+21	4,318381E+21	7,528534E+21
-764	1,152772E+22	1,524423E+22	1,754259E+22	1,754302E+22	1,524508E+22	1,152836E+22	7,528916E+21	4,318638E+21	2,617674E+21	2,617592E+21	4,318392E+21	7,528568E+21
-763	1,152808E+22	1,524494E+22	1,754305E+22	1,754301E+22	1,524481E+22	1,152792E+22	7,528523E+21	4,318486E+21	2,617779E+21	2,617897E+21	4,318867E+21	7,529092E+21
-762	1,152833E+22	1,524472E+22	1,754233E+22	1,754201E+22	1,524421E+22	1,152796E+22	7,528876E+21	4,318832E+21	2,618009E+21	2,617991E+21	4,318729E+21	7,528621E+21
-761	1,152753E+22	1,524385E+22	1,754209E+22	1,754234E+22	1,524451E+22	1,152817E+22	7,529137E+21	4,319140E+21	2,618285E+21	2,618194E+21	4,318875E+21	7,528852E+21
-760	1,152814E+22	1,524466E+22	1,754247E+22	1,754221E+22	1,524404E+22	1,152759E+22	7,528679E+21	4,318909E+21	2,618276E+21	2,618387E+21	4,319196E+21	7,529000E+21
-759	1,152777E+22	1,524388E+22	1,754154E+22	1,754162E+22	1,524412E+22	1,152804E+22	7,529147E+21	4,319224E+21	2,618398E+21	2,618315E+21	4,318943E+21	7,528613E+21
-758	1,152731E+22	1,524371E+22	1,754205E+22	1,754226E+22	1,524439E+22	1,152798E+22	7,528943E+21	4,319053E+21	2,618319E+21	2,618324E+21	4,319121E+21	7,529184E+21
-757	1,152832E+22	1,524448E+22	1,754207E+22	1,754183E+22	1,524389E+22	1,152759E+22	7,528640E+21	4,318776E+21	2,618111E+21	2,618223E+21	4,319054E+21	7,528913E+21
-756	1,152773E+22	1,524376E+22	1,754154E+22	1,754188E+22	1,524439E+22	1,152819E+22	7,529125E+21	4,319038E+21	2,618100E+21	2,617961E+21	4,318635E+21	7,528590E+21
-755	1,152787E+22	1,524470E+22	1,754282E+22	1,754267E+22	1,524455E+22	1,152788E+22	7,528630E+21	4,318618E+21	2,617856E+21	2,617894E+21	4,318788E+21	7,528999E+21
-754	1,152833E+22	1,524492E+22	1,754283E+22	1,754245E+22	1,524429E+22	1,152781E+22	7,528628E+21	4,318523E+21	2,617673E+21	2,617667E+21	4,318465E+21	7,528475E+21
-753	1,152757E+22	1,524405E+22	1,754259E+22	1,754307E+22	1,524505E+22	1,152829E+22	7,528855E+21	4,318601E+21	2,617632E+21	2,617528E+21	4,318315E+21	7,528527E+21
-752	1,152818E+22	1,524516E+22	1,754334E+22	1,754330E+22	1,524494E+22	1,152790E+22	7,528344E+21	4,318155E+21	2,617375E+21	2,617497E+21	4,318513E+21	7,528804E+21
-751	1,152818E+22	1,524483E+22	1,754276E+22	1,754269E+22	1,524485E+22	1,152825E+22	7,528732E+21	4,318346E+21	2,617358E+21	2,617305E+21	4,318152E+21	7,528335E+21
-750	1,152767E+22	1,524453E+22	1,754318E+22	1,754335E+22	1,524514E+22	1,152829E+22	7,528724E+21	4,318374E+21	2,617403E+21	2,617352E+21	4,318250E+21	7,528692E+21
-749	1,152852E+22	1,524541E+22	1,754347E+22	1,754313E+22	1,524461E+22	1,152772E+22	7,528322E+21	4,318155E+21	2,617369E+21	2,617494E+21	4,318453E+21	7,528603E+21
-748	1,152789E+22	1,524444E+22	1,754248E+22	1,754270E+22	1,524482E+22	1,152821E+22	7,528866E+21	4,318622E+21	2,617647E+21	2,617549E+21	4,318314E+21	7,528345E+21
-747	1,152765E+22	1,524463E+22	1,754306E+22	1,754308E+22	1,524492E+22	1,152805E+22	7,528623E+21	4,318541E+21	2,617772E+21	2,617826E+21	4,318748E+21	7,528984E+21
-746	1,152829E+22	1,524478E+22	1,754265E+22	1,754231E+22	1,524418E+22	1,152774E+22	7,528621E+21	4,318635E+21	2,617916E+21	2,618006E+21	4,318854E+21	7,528809E+21
-745	1,152765E+22	1,524362E+22	1,754160E+22	1,754204E+22	1,524443E+22	1,152815E+22	7,529127E+21	4,319133E+21	2,618282E+21	2,618193E+21	4,318864E+21	7,528767E+21
-744	1,152797E+22	1,524448E+22	1,754220E+22	1,754202E+22	1,524408E+22	1,152770E+22	7,528770E+21	4,319009E+21	2,618391E+21	2,618493E+21	4,319308E+21	7,529192E+21
-743	1,152805E+22	1,524414E+22	1,754157E+22	1,754119E+22	1,524355E+22	1,152773E+22	7,529092E+21	4,319345E+21	2,618636E+21	2,618614E+21	4,319217E+21	7,528757E+21
-742	1,152721E+22	1,524321E+22	1,754133E+22	1,754162E+22	1,524394E+22	1,152789E+22	7,529243E+21	4,319568E+21	2,618853E+21	2,618773E+21	4,319352E+21	7,529025E+21
-741	1,152787E+22	1,524399E+22	1,754160E+22	1,754143E+22	1,524354E+22	1,152739E+22	7,528773E+21	4,319265E+21	2,618789E+21	2,618943E+21	4,319683E+21	7,529230E+21
-740	1,152756E+22	1,524314E+22	1,754050E+22	1,754069E+22	1,524355E+22	1,152788E+22	7,529310E+21	4,319607E+21	2,618886E+21	2,618814E+21	4,319372E+21	7,528866E+21
-739	1,152730E+22	1,524328E+22	1,754115E+22	1,754135E+22	1,524386E+22	1,152787E+22	7,529145E+21	4,319458E+21	2,618797E+21	2,618779E+21	4,319457E+21	7,529291E+21
-738	1,152818E+22	1,524416E+22	1,754153E+22	1,754115E+22	1,524334E+22	1,152742E+22	7,528842E+21	4,319203E+21	2,618597E+21	2,618664E+21	4,319370E+21	7,529039E+21
-737	1,152760E+22	1,524332E+22	1,754092E+22	1,754126E+22	1,524386E+22	1,152791E+22	7,529206E+21	4,319399E+21	2,618577E+21	2,618439E+21	4,318996E+21	7,528679E+21
-736	1,152766E+22	1,524423E+22	1,754219E+22	1,754209E+22	1,524411E+22	1,152770E+22	7,528753E+21	4,318969E+21	2,618309E+21	2,618362E+21	4,319166E+21	7,529109E+21
-735	1,152804E+22	1,524431E+22	1,754209E+22	1,754183E+22	1,524391E+22	1,152772E+22	7,528787E+21	4,318866E+21	2,618119E+21	2,618138E+21	4,318875E+21	7,528668E+21
-734	1,152740E+22	1,524354E+22	1,754184E+22	1,754235E+22	1,524456E+22	1,152814E+22	7,529004E+21	4,318940E+21	2,618054E+21	2,617959E+21	4,318679E+21	7,528701E+21
-733	1,152808E+22	1,524475E+22	1,754262E+22	1,754256E+22	1,524443E+22	1,152774E+22	7,528492E+21	4,318509E+21	2,617827E+21	2,617961E+21	4,318882E+21	7,528933E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-732	1,152800E+22	1,524433E+22	1,754196E+22	1,754184E+22	1,524422E+22	1,152805E+22	7,528923E+21	4,318781E+21	2,617880E+21	2,617814E+21	4,318545E+21	7,528471E+21
-731	1,152750E+22	1,524407E+22	1,754241E+22	1,754258E+22	1,524460E+22	1,152810E+22	7,528924E+21	4,318850E+21	2,617980E+21	2,617912E+21	4,318671E+21	7,528784E+21
-730	1,152820E+22	1,524483E+22	1,754276E+22	1,754247E+22	1,524411E+22	1,152753E+22	7,528504E+21	4,318640E+21	2,617973E+21	2,618085E+21	4,318947E+21	7,528869E+21
-729	1,152771E+22	1,524371E+22	1,754144E+22	1,754178E+22	1,524423E+22	1,152797E+22	7,528985E+21	4,319052E+21	2,618239E+21	2,618170E+21	4,318844E+21	7,528625E+21
-728	1,152755E+22	1,524405E+22	1,754208E+22	1,754210E+22	1,524424E+22	1,152786E+22	7,528849E+21	4,319014E+21	2,618351E+21	2,618416E+21	4,319233E+21	7,529210E+21
-727	1,152815E+22	1,524424E+22	1,754178E+22	1,754138E+22	1,524349E+22	1,152753E+22	7,528852E+21	4,319139E+21	2,618524E+21	2,618605E+21	4,319320E+21	7,528971E+21
-726	1,152746E+22	1,524317E+22	1,754087E+22	1,754117E+22	1,524373E+22	1,152789E+22	7,529313E+21	4,319621E+21	2,618880E+21	2,618774E+21	4,319294E+21	7,528857E+21
-725	1,152768E+22	1,524394E+22	1,754151E+22	1,754133E+22	1,524353E+22	1,152746E+22	7,528913E+21	4,319458E+21	2,618988E+21	2,619103E+21	4,319776E+21	7,529288E+21
-724	1,152765E+22	1,524331E+22	1,754057E+22	1,754038E+22	1,524305E+22	1,152756E+22	7,529271E+21	4,319806E+21	2,619226E+21	2,619215E+21	4,319717E+21	7,528968E+21
-723	1,152698E+22	1,524249E+22	1,754024E+22	1,754072E+22	1,524350E+22	1,152782E+22	7,529469E+21	4,320017E+21	2,619406E+21	2,619329E+21	4,319811E+21	7,529230E+21
-722	1,152767E+22	1,524338E+22	1,754070E+22	1,754059E+22	1,524299E+22	1,152726E+22	7,529010E+21	4,319719E+21	2,619312E+21	2,619441E+21	4,320105E+21	7,529521E+21
-721	1,152754E+22	1,524263E+22	1,753957E+22	1,753974E+22	1,524289E+22	1,152762E+22	7,529437E+21	4,320002E+21	2,619385E+21	2,619308E+21	4,319764E+21	7,529057E+21
-720	1,152727E+22	1,524301E+22	1,754054E+22	1,754053E+22	1,524317E+22	1,152761E+22	7,529312E+21	4,319860E+21	2,619277E+21	2,619250E+21	4,319812E+21	7,529382E+21
-719	1,152796E+22	1,524376E+22	1,754103E+22	1,754060E+22	1,524283E+22	1,152719E+22	7,528969E+21	4,319586E+21	2,619084E+21	2,619153E+21	4,319752E+21	7,529139E+21
-718	1,152735E+22	1,524289E+22	1,754038E+22	1,754075E+22	1,524347E+22	1,152771E+22	7,529269E+21	4,319711E+21	2,619013E+21	2,618894E+21	4,319375E+21	7,528822E+21
-717	1,152744E+22	1,524371E+22	1,754150E+22	1,754150E+22	1,524379E+22	1,152760E+22	7,528848E+21	4,319256E+21	2,618723E+21	2,618809E+21	4,319539E+21	7,529260E+21
-716	1,152783E+22	1,524368E+22	1,754119E+22	1,754104E+22	1,524346E+22	1,152764E+22	7,528988E+21	4,319235E+21	2,618558E+21	2,618575E+21	4,319233E+21	7,528858E+21
-715	1,152735E+22	1,524312E+22	1,754097E+22	1,754151E+22	1,524408E+22	1,152804E+22	7,529239E+21	4,319371E+21	2,618539E+21	2,618411E+21	4,319002E+21	7,528779E+21
-714	1,152785E+22	1,524431E+22	1,754201E+22	1,754186E+22	1,524387E+22	1,152756E+22	7,528718E+21	4,318984E+21	2,618362E+21	2,618449E+21	4,319251E+21	7,529086E+21
-713	1,152780E+22	1,524376E+22	1,754119E+22	1,754110E+22	1,524362E+22	1,152774E+22	7,529018E+21	4,319205E+21	2,618443E+21	2,618387E+21	4,319006E+21	7,528639E+21
-712	1,152729E+22	1,524354E+22	1,754162E+22	1,754176E+22	1,524398E+22	1,152785E+22	7,529069E+21	4,319274E+21	2,618537E+21	2,618493E+21	4,319159E+21	7,528983E+21
-711	1,152794E+22	1,524416E+22	1,754188E+22	1,754166E+22	1,524357E+22	1,152737E+22	7,528683E+21	4,319073E+21	2,618537E+21	2,618675E+21	4,319453E+21	7,529125E+21
-710	1,152758E+22	1,524321E+22	1,754060E+22	1,754093E+22	1,524363E+22	1,152775E+22	7,529135E+21	4,319469E+21	2,618778E+21	2,618721E+21	4,319300E+21	7,528848E+21
-709	1,152745E+22	1,524359E+22	1,754126E+22	1,754124E+22	1,524366E+22	1,152766E+22	7,529018E+21	4,319453E+21	2,618918E+21	2,618984E+21	4,319660E+21	7,529336E+21
-708	1,152789E+22	1,524364E+22	1,754090E+22	1,754049E+22	1,524288E+22	1,152735E+22	7,529098E+21	4,319659E+21	2,619141E+21	2,619206E+21	4,319777E+21	7,529113E+21
-707	1,152721E+22	1,524256E+22	1,753997E+22	1,754036E+22	1,524321E+22	1,152771E+22	7,529554E+21	4,320159E+21	2,619523E+21	2,619398E+21	4,319770E+21	7,528970E+21
-706	1,152727E+22	1,524317E+22	1,754062E+22	1,754057E+22	1,524304E+22	1,152731E+22	7,529137E+21	4,319973E+21	2,619614E+21	2,619714E+21	4,320296E+21	7,529576E+21
-705	1,152744E+22	1,524251E+22	1,753940E+22	1,753933E+22	1,524240E+22	1,152732E+22	7,529413E+21	4,320241E+21	2,619807E+21	2,619822E+21	4,320242E+21	7,529270E+21
-704	1,152693E+22	1,524197E+22	1,753925E+22	1,753961E+22	1,524272E+22	1,152758E+22	7,529672E+21	4,320455E+21	2,619936E+21	2,619865E+21	4,320253E+21	7,529456E+21
-703	1,152759E+22	1,524296E+22	1,753995E+22	1,753970E+22	1,524232E+22	1,152702E+22	7,529182E+21	4,320150E+21	2,619836E+21	2,619951E+21	4,320494E+21	7,529667E+21
-702	1,152744E+22	1,524238E+22	1,753908E+22	1,753907E+22	1,524228E+22	1,152731E+22	7,529516E+21	4,320365E+21	2,619858E+21	2,619774E+21	4,320106E+21	7,529137E+21
-701	1,152706E+22	1,524263E+22	1,754009E+22	1,754009E+22	1,524279E+22	1,152739E+22	7,529367E+21	4,320183E+21	2,619733E+21	2,619718E+21	4,320158E+21	7,529435E+21
-700	1,152762E+22	1,524310E+22	1,754030E+22	1,754007E+22	1,524255E+22	1,152711E+22	7,529119E+21	4,319937E+21	2,619532E+21	2,619609E+21	4,320125E+21	7,529282E+21
-699	1,152713E+22	1,524229E+22	1,753953E+22	1,754010E+22	1,524320E+22	1,152771E+22	7,529497E+21	4,320092E+21	2,619458E+21	2,619330E+21	4,319721E+21	7,528948E+21
-698	1,152719E+22	1,524313E+22	1,754074E+22	1,754083E+22	1,524341E+22	1,152756E+22	7,529104E+21	4,319679E+21	2,619184E+21	2,619235E+21	4,319885E+21	7,529468E+21
-697	1,152774E+22	1,524315E+22	1,754026E+22	1,754010E+22	1,524284E+22	1,152742E+22	7,529146E+21	4,319643E+21	2,619056E+21	2,619063E+21	4,319612E+21	7,529015E+21



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-696	1,152725E+22	1,524277E+22	1,754028E+22	1,754060E+22	1,524334E+22	1,152777E+22	7,529425E+21	4,319806E+21	2,619062E+21	2,618930E+21	4,319408E+21	7,528910E+21
-695	1,152761E+22	1,524379E+22	1,754135E+22	1,754117E+22	1,524328E+22	1,152725E+22	7,528829E+21	4,319409E+21	2,618919E+21	2,619019E+21	4,319718E+21	7,529269E+21
-694	1,152759E+22	1,524324E+22	1,754046E+22	1,754037E+22	1,524308E+22	1,152744E+22	7,529050E+21	4,319553E+21	2,618958E+21	2,618941E+21	4,319491E+21	7,528890E+21
-693	1,152714E+22	1,524299E+22	1,754082E+22	1,754101E+22	1,524351E+22	1,152766E+22	7,529145E+21	4,319616E+21	2,619041E+21	2,619034E+21	4,319613E+21	7,529205E+21
-692	1,152778E+22	1,524355E+22	1,754091E+22	1,754075E+22	1,524303E+22	1,152723E+22	7,528903E+21	4,319518E+21	2,619076E+21	2,619210E+21	4,319879E+21	7,529328E+21
-691	1,152750E+22	1,524275E+22	1,753973E+22	1,754004E+22	1,524309E+22	1,152763E+22	7,529413E+21	4,319992E+21	2,619373E+21	2,619277E+21	4,319690E+21	7,528923E+21
-690	1,152714E+22	1,524303E+22	1,754056E+22	1,754051E+22	1,524312E+22	1,152751E+22	7,529298E+21	4,320016E+21	2,619555E+21	2,619571E+21	4,320094E+21	7,529473E+21
-689	1,152758E+22	1,524288E+22	1,753991E+22	1,753960E+22	1,524228E+22	1,152709E+22	7,529271E+21	4,320173E+21	2,619797E+21	2,619863E+21	4,320300E+21	7,529299E+21
-688	1,152694E+22	1,524187E+22	1,753898E+22	1,753935E+22	1,524253E+22	1,152752E+22	7,529774E+21	4,320649E+21	2,620139E+21	2,620033E+21	4,320308E+21	7,529214E+21
-687	1,152701E+22	1,524240E+22	1,753960E+22	1,753961E+22	1,524240E+22	1,152711E+22	7,529340E+21	4,320443E+21	2,620203E+21	2,620318E+21	4,320807E+21	7,529846E+21
-686	1,152736E+22	1,524204E+22	1,753854E+22	1,753837E+22	1,524171E+22	1,152704E+22	7,529531E+21	4,320642E+21	2,620328E+21	2,620354E+21	4,320684E+21	7,529509E+21
-685	1,152690E+22	1,524164E+22	1,753859E+22	1,753880E+22	1,524211E+22	1,152731E+22	7,529758E+21	4,320829E+21	2,620440E+21	2,620367E+21	4,320623E+21	7,529564E+21
-684	1,152739E+22	1,524251E+22	1,753930E+22	1,753900E+22	1,524180E+22	1,152683E+22	7,529356E+21	4,320575E+21	2,620350E+21	2,620450E+21	4,320867E+21	7,529771E+21
-683	1,152723E+22	1,524191E+22	1,753848E+22	1,753857E+22	1,524196E+22	1,152717E+22	7,529681E+21	4,320780E+21	2,620367E+21	2,620267E+21	4,320474E+21	7,529212E+21
-682	1,152670E+22	1,524197E+22	1,753940E+22	1,753958E+22	1,524254E+22	1,152735E+22	7,529559E+21	4,320581E+21	2,620214E+21	2,620183E+21	4,320547E+21	7,529642E+21
-681	1,152742E+22	1,524238E+22	1,753931E+22	1,753923E+22	1,524211E+22	1,152700E+22	7,529277E+21	4,320300E+21	2,619997E+21	2,620087E+21	4,320528E+21	7,529499E+21
-680	1,152707E+22	1,524185E+22	1,753869E+22	1,753909E+22	1,524251E+22	1,152755E+22	7,529714E+21	4,320483E+21	2,619915E+21	2,619785E+21	4,320085E+21	7,529106E+21
-679	1,152704E+22	1,524265E+22	1,754000E+22	1,753997E+22	1,524277E+22	1,152734E+22	7,529277E+21	4,320092E+21	2,619678E+21	2,619714E+21	4,320239E+21	7,529575E+21
-678	1,152760E+22	1,524283E+22	1,753972E+22	1,753937E+22	1,524221E+22	1,152708E+22	7,529190E+21	4,319989E+21	2,619531E+21	2,619549E+21	4,319995E+21	7,529148E+21
-677	1,152707E+22	1,524234E+22	1,753972E+22	1,754001E+22	1,524286E+22	1,152746E+22	7,529420E+21	4,320121E+21	2,619542E+21	2,619436E+21	4,319811E+21	7,529045E+21
-676	1,152735E+22	1,524315E+22	1,754055E+22	1,754047E+22	1,524288E+22	1,152713E+22	7,528969E+21	4,319779E+21	2,619407E+21	2,619528E+21	4,320155E+21	7,529498E+21
-675	1,152746E+22	1,524268E+22	1,753963E+22	1,753965E+22	1,524269E+22	1,152735E+22	7,529257E+21	4,319968E+21	2,619463E+21	2,619442E+21	4,319890E+21	7,529061E+21
-674	1,152695E+22	1,524243E+22	1,754004E+22	1,754027E+22	1,524307E+22	1,152759E+22	7,529415E+21	4,320099E+21	2,619582E+21	2,619541E+21	4,320009E+21	7,529399E+21
-673	1,152764E+22	1,524297E+22	1,753997E+22	1,753976E+22	1,524240E+22	1,152705E+22	7,529129E+21	4,320027E+21	2,619688E+21	2,619803E+21	4,320320E+21	7,529461E+21
-672	1,152729E+22	1,524226E+22	1,753896E+22	1,753903E+22	1,524232E+22	1,152740E+22	7,529686E+21	4,320544E+21	2,620027E+21	2,619920E+21	4,320182E+21	7,529052E+21
-671	1,152677E+22	1,524225E+22	1,753967E+22	1,753969E+22	1,524253E+22	1,152727E+22	7,529497E+21	4,320559E+21	2,620237E+21	2,620256E+21	4,320641E+21	7,529664E+21
-670	1,152730E+22	1,524219E+22	1,753893E+22	1,753865E+22	1,524165E+22	1,152681E+22	7,529369E+21	4,320612E+21	2,620408E+21	2,620511E+21	4,320865E+21	7,529602E+21
-669	1,152680E+22	1,524124E+22	1,753801E+22	1,753837E+22	1,524188E+22	1,152725E+22	7,529864E+21	4,321051E+21	2,620702E+21	2,620622E+21	4,320800E+21	7,529476E+21
-668	1,152690E+22	1,524181E+22	1,753862E+22	1,753859E+22	1,524174E+22	1,152691E+22	7,529542E+21	4,320899E+21	2,620754E+21	2,620861E+21	4,321244E+21	7,530064E+21
-667	1,152730E+22	1,524162E+22	1,753782E+22	1,753759E+22	1,524115E+22	1,152684E+22	7,529731E+21	4,321107E+21	2,620877E+21	2,620870E+21	4,321047E+21	7,529584E+21
-666	1,152665E+22	1,524118E+22	1,753808E+22	1,753827E+22	1,524169E+22	1,152716E+22	7,529955E+21	4,321285E+21	2,620977E+21	2,620873E+21	4,321003E+21	7,529680E+21
-665	1,152712E+22	1,524186E+22	1,753848E+22	1,753830E+22	1,524138E+22	1,152667E+22	7,529491E+21	4,320984E+21	2,620883E+21	2,620987E+21	4,321289E+21	7,529901E+21
-664	1,152698E+22	1,524132E+22	1,753768E+22	1,753774E+22	1,524147E+22	1,152710E+22	7,529897E+21	4,321172E+21	2,620855E+21	2,620770E+21	4,320896E+21	7,529392E+21
-663	1,152646E+22	1,524127E+22	1,753853E+22	1,753881E+22	1,524207E+22	1,152725E+22	7,529759E+21	4,320973E+21	2,620687E+21	2,620659E+21	4,320930E+21	7,529811E+21
-662	1,152733E+22	1,524194E+22	1,753851E+22	1,753835E+22	1,524150E+22	1,152677E+22	7,529380E+21	4,320633E+21	2,620426E+21	2,620524E+21	4,320886E+21	7,529678E+21
-661	1,152702E+22	1,524153E+22	1,753809E+22	1,753830E+22	1,524190E+22	1,152727E+22	7,529769E+21	4,320805E+21	2,620351E+21	2,620221E+21	4,320412E+21	7,529203E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-660	1,152687E+22	1,524220E+22	1,753938E+22	1,753926E+22	1,524221E+22	1,152711E+22	7,529408E+21	4,320471E+21	2,620150E+21	2,620184E+21	4,320610E+21	7,529700E+21
-659	1,152742E+22	1,524234E+22	1,753912E+22	1,753886E+22	1,524183E+22	1,152688E+22	7,529296E+21	4,320364E+21	2,620019E+21	2,620040E+21	4,320387E+21	7,529280E+21
-658	1,152682E+22	1,524175E+22	1,753905E+22	1,753946E+22	1,524254E+22	1,152738E+22	7,529566E+21	4,320495E+21	2,620024E+21	2,619924E+21	4,320235E+21	7,529287E+21
-657	1,152721E+22	1,524249E+22	1,753956E+22	1,753956E+22	1,524237E+22	1,152700E+22	7,529146E+21	4,320186E+21	2,619926E+21	2,620053E+21	4,320583E+21	7,529709E+21
-656	1,152740E+22	1,524225E+22	1,753883E+22	1,753863E+22	1,524200E+22	1,152721E+22	7,529525E+21	4,320443E+21	2,620018E+21	2,619985E+21	4,320305E+21	7,529206E+21
-655	1,152674E+22	1,524186E+22	1,753926E+22	1,753941E+22	1,524244E+22	1,152740E+22	7,529663E+21	4,320630E+21	2,620206E+21	2,620138E+21	4,320430E+21	7,529467E+21
-654	1,152738E+22	1,524246E+22	1,753924E+22	1,753894E+22	1,524174E+22	1,152675E+22	7,529266E+21	4,320503E+21	2,620308E+21	2,620429E+21	4,320812E+21	7,529612E+21
-653	1,152700E+22	1,524162E+22	1,753816E+22	1,753824E+22	1,524174E+22	1,152713E+22	7,529771E+21	4,320985E+21	2,620642E+21	2,620556E+21	4,320700E+21	7,529242E+21
-652	1,152646E+22	1,524142E+22	1,753859E+22	1,753873E+22	1,524197E+22	1,152713E+22	7,529705E+21	4,321029E+21	2,620836E+21	2,620877E+21	4,321179E+21	7,529949E+21
-651	1,152717E+22	1,524151E+22	1,753794E+22	1,753776E+22	1,524109E+22	1,152665E+22	7,529583E+21	4,321086E+21	2,620987E+21	2,621088E+21	4,321340E+21	7,529841E+21
-650	1,152668E+22	1,524069E+22	1,753715E+22	1,753751E+22	1,524132E+22	1,152709E+22	7,530081E+21	4,321526E+21	2,621262E+21	2,621160E+21	4,321237E+21	7,529705E+21
-649	1,152681E+22	1,524129E+22	1,753774E+22	1,753761E+22	1,524107E+22	1,152669E+22	7,529735E+21	4,321380E+21	2,621342E+21	2,621434E+21	4,321676E+21	7,530209E+21
-648	1,152715E+22	1,524123E+22	1,753721E+22	1,753675E+22	1,524046E+22	1,152661E+22	7,529941E+21	4,321579E+21	2,621457E+21	2,621444E+21	4,321488E+21	7,529694E+21
-647	1,152632E+22	1,524049E+22	1,753732E+22	1,753763E+22	1,524124E+22	1,152699E+22	7,530118E+21	4,321729E+21	2,621544E+21	2,621443E+21	4,321446E+21	7,529806E+21
-646	1,152688E+22	1,524128E+22	1,753764E+22	1,753752E+22	1,524091E+22	1,152650E+22	7,529584E+21	4,321319E+21	2,621358E+21	2,621495E+21	4,321727E+21	7,530126E+21
-645	1,152686E+22	1,524079E+22	1,753687E+22	1,753690E+22	1,524091E+22	1,152691E+22	7,529984E+21	4,321490E+21	2,621287E+21	2,621213E+21	4,321254E+21	7,529561E+21
-644	1,152636E+22	1,524074E+22	1,753767E+22	1,753792E+22	1,524150E+22	1,152710E+22	7,529951E+21	4,321352E+21	2,621125E+21	2,621082E+21	4,321259E+21	7,529940E+21
-643	1,152723E+22	1,524156E+22	1,753792E+22	1,753771E+22	1,524098E+22	1,152656E+22	7,529534E+21	4,321021E+21	2,620881E+21	2,620950E+21	4,321185E+21	7,529723E+21
-642	1,152679E+22	1,524110E+22	1,753762E+22	1,753784E+22	1,524149E+22	1,152708E+22	7,529892E+21	4,321178E+21	2,620810E+21	2,620669E+21	4,320771E+21	7,529326E+21
-641	1,152664E+22	1,524161E+22	1,753860E+22	1,753858E+22	1,524177E+22	1,152693E+22	7,529515E+21	4,320840E+21	2,620644E+21	2,620692E+21	4,321030E+21	7,529866E+21
-640	1,152724E+22	1,524183E+22	1,753840E+22	1,753806E+22	1,524131E+22	1,152680E+22	7,529494E+21	4,320745E+21	2,620509E+21	2,620549E+21	4,320819E+21	7,529478E+21
-639	1,152663E+22	1,524112E+22	1,753823E+22	1,753871E+22	1,524208E+22	1,152728E+22	7,529784E+21	4,320925E+21	2,620546E+21	2,620445E+21	4,320639E+21	7,529441E+21
-638	1,152712E+22	1,524207E+22	1,753874E+22	1,753867E+22	1,524177E+22	1,152681E+22	7,529300E+21	4,320599E+21	2,620451E+21	2,620580E+21	4,320995E+21	7,529869E+21
-637	1,152727E+22	1,524184E+22	1,753815E+22	1,753781E+22	1,524135E+22	1,152695E+22	7,529660E+21	4,320888E+21	2,620590E+21	2,620547E+21	4,320726E+21	7,529316E+21
-636	1,152647E+22	1,524120E+22	1,753841E+22	1,753859E+22	1,524184E+22	1,152720E+22	7,529879E+21	4,321136E+21	2,620825E+21	2,620757E+21	4,320929E+21	7,529631E+21
-635	1,152708E+22	1,524171E+22	1,753836E+22	1,753823E+22	1,524125E+22	1,152656E+22	7,529443E+21	4,320992E+21	2,620931E+21	2,621059E+21	4,321335E+21	7,529829E+21
-634	1,152674E+22	1,524087E+22	1,753721E+22	1,753742E+22	1,524124E+22	1,152699E+22	7,529965E+21	4,321445E+21	2,621228E+21	2,621163E+21	4,321243E+21	7,529565E+21
-633	1,152636E+22	1,524072E+22	1,753741E+22	1,753754E+22	1,524122E+22	1,152692E+22	7,529908E+21	4,321509E+21	2,621438E+21	2,621485E+21	4,321680E+21	7,530207E+21
-632	1,152713E+22	1,524108E+22	1,753706E+22	1,753662E+22	1,524028E+22	1,152644E+22	7,529828E+21	4,321588E+21	2,621591E+21	2,621676E+21	4,321791E+21	7,530007E+21
-631	1,152651E+22	1,524019E+22	1,753643E+22	1,753671E+22	1,524068E+22	1,152685E+22	7,530273E+21	4,322028E+21	2,621879E+21	2,621754E+21	4,321653E+21	7,529780E+21
-630	1,152659E+22	1,524083E+22	1,753704E+22	1,753688E+22	1,524048E+22	1,152641E+22	7,529836E+21	4,321802E+21	2,621909E+21	2,622009E+21	4,322124E+21	7,530341E+21
-629	1,152688E+22	1,524065E+22	1,753651E+22	1,753612E+22	1,524002E+22	1,152641E+22	7,530022E+21	4,321952E+21	2,621975E+21	2,621974E+21	4,321915E+21	7,529841E+21
-628	1,152604E+22	1,523975E+22	1,753639E+22	1,753686E+22	1,524082E+22	1,152693E+22	7,530331E+21	4,322122E+21	2,622023E+21	2,621933E+21	4,321861E+21	7,529988E+21
-627	1,152669E+22	1,524065E+22	1,753682E+22	1,753683E+22	1,524047E+22	1,152640E+22	7,529794E+21	4,321711E+21	2,621810E+21	2,621931E+21	4,322068E+21	7,530261E+21
-626	1,152672E+22	1,524033E+22	1,753617E+22	1,753620E+22	1,524044E+22	1,152679E+22	7,530173E+21	4,321871E+21	2,621723E+21	2,621634E+21	4,321595E+21	7,529708E+21
-625	1,152623E+22	1,524028E+22	1,753687E+22	1,753703E+22	1,524085E+22	1,152688E+22	7,530113E+21	4,321757E+21	2,621615E+21	2,621559E+21	4,321621E+21	7,530047E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-624	1,152706E+22	1,524119E+22	1,753735E+22	1,753699E+22	1,524038E+22	1,152634E+22	7,529689E+21	4,321421E+21	2,621386E+21	2,621457E+21	4,321596E+21	7,529861E+21
-623	1,152653E+22	1,524050E+22	1,753692E+22	1,753728E+22	1,524110E+22	1,152689E+22	7,529993E+21	4,321550E+21	2,621317E+21	2,621193E+21	4,321196E+21	7,529501E+21
-622	1,152650E+22	1,524112E+22	1,753780E+22	1,753782E+22	1,524128E+22	1,152675E+22	7,529592E+21	4,321154E+21	2,621099E+21	2,621186E+21	4,321469E+21	7,530118E+21
-621	1,152719E+22	1,524141E+22	1,753767E+22	1,753729E+22	1,524075E+22	1,152658E+22	7,529592E+21	4,321086E+21	2,620964E+21	2,621010E+21	4,321191E+21	7,529646E+21
-620	1,152651E+22	1,524063E+22	1,753740E+22	1,753786E+22	1,524152E+22	1,152715E+22	7,530016E+21	4,321362E+21	2,621055E+21	2,620940E+21	4,321015E+21	7,529547E+21
-619	1,152691E+22	1,524159E+22	1,753812E+22	1,753804E+22	1,524125E+22	1,152663E+22	7,529514E+21	4,321071E+21	2,621008E+21	2,621110E+21	4,321373E+21	7,529927E+21
-618	1,152696E+22	1,524124E+22	1,753744E+22	1,753720E+22	1,524088E+22	1,152679E+22	7,529851E+21	4,321359E+21	2,621168E+21	2,621127E+21	4,321205E+21	7,529483E+21
-617	1,152617E+22	1,524041E+22	1,753730E+22	1,753763E+22	1,524127E+22	1,152703E+22	7,530078E+21	4,321625E+21	2,621447E+21	2,621392E+21	4,321466E+21	7,529876E+21
-616	1,152687E+22	1,524105E+22	1,753735E+22	1,753715E+22	1,524055E+22	1,152640E+22	7,529685E+21	4,321482E+21	2,621543E+21	2,621685E+21	4,321871E+21	7,530103E+21
-615	1,152657E+22	1,524017E+22	1,753618E+22	1,753643E+22	1,524056E+22	1,152677E+22	7,530176E+21	4,321946E+21	2,621846E+21	2,621776E+21	4,321721E+21	7,529779E+21
-614	1,152631E+22	1,524031E+22	1,753651E+22	1,753651E+22	1,524045E+22	1,152662E+22	7,530048E+21	4,321962E+21	2,622026E+21	2,622076E+21	4,322148E+21	7,530401E+21
-613	1,152702E+22	1,524071E+22	1,753642E+22	1,753581E+22	1,523956E+22	1,152610E+22	7,529938E+21	4,322041E+21	2,622181E+21	2,622253E+21	4,322220E+21	7,530112E+21
-612	1,152623E+22	1,523959E+22	1,753567E+22	1,753601E+22	1,524017E+22	1,152666E+22	7,530466E+21	4,322506E+21	2,622471E+21	2,622346E+21	4,322123E+21	7,529912E+21
-611	1,152625E+22	1,524012E+22	1,753628E+22	1,753632E+22	1,524012E+22	1,152629E+22	7,530015E+21	4,322240E+21	2,622463E+21	2,622560E+21	4,322564E+21	7,530499E+21
-610	1,152660E+22	1,523994E+22	1,753563E+22	1,753544E+22	1,523964E+22	1,152636E+22	7,530232E+21	4,322353E+21	2,622464E+21	2,622478E+21	4,322358E+21	7,530074E+21
-609	1,152589E+22	1,523909E+22	1,753528E+22	1,753582E+22	1,524020E+22	1,152679E+22	7,530556E+21	4,322553E+21	2,622527E+21	2,622427E+21	4,322261E+21	7,530171E+21
-608	1,152659E+22	1,524024E+22	1,753602E+22	1,753584E+22	1,523977E+22	1,152623E+22	7,530015E+21	4,322144E+21	2,622315E+21	2,622413E+21	4,322434E+21	7,530376E+21
-607	1,152651E+22	1,523986E+22	1,753553E+22	1,753553E+22	1,523987E+22	1,152654E+22	7,530315E+21	4,322286E+21	2,622239E+21	2,622134E+21	4,321952E+21	7,529792E+21
-606	1,152607E+22	1,523991E+22	1,753624E+22	1,753636E+22	1,524029E+22	1,152658E+22	7,530148E+21	4,322085E+21	2,622085E+21	2,622054E+21	4,322038E+21	7,530217E+21
-605	1,152688E+22	1,524074E+22	1,753674E+22	1,753641E+22	1,523994E+22	1,152611E+22	7,529720E+21	4,321719E+21	2,621822E+21	2,621914E+21	4,321987E+21	7,530052E+21
-604	1,152637E+22	1,523995E+22	1,753614E+22	1,753661E+22	1,524071E+22	1,152682E+22	7,530165E+21	4,321888E+21	2,621743E+21	2,621638E+21	4,321585E+21	7,529706E+21
-603	1,152638E+22	1,524062E+22	1,753710E+22	1,753722E+22	1,524088E+22	1,152665E+22	7,529792E+21	4,321534E+21	2,621539E+21	2,621605E+21	4,321786E+21	7,530237E+21
-602	1,152705E+22	1,524100E+22	1,753703E+22	1,753667E+22	1,524033E+22	1,152649E+22	7,529813E+21	4,321497E+21	2,621434E+21	2,621469E+21	4,321553E+21	7,529764E+21
-601	1,152632E+22	1,524012E+22	1,753655E+22	1,753695E+22	1,524085E+22	1,152695E+22	7,530244E+21	4,321853E+21	2,621631E+21	2,621498E+21	4,321438E+21	7,529643E+21
-600	1,152660E+22	1,524100E+22	1,753732E+22	1,753718E+22	1,524063E+22	1,152644E+22	7,529734E+21	4,321577E+21	2,621632E+21	2,621730E+21	4,321869E+21	7,530087E+21
-599	1,152662E+22	1,524045E+22	1,753647E+22	1,753641E+22	1,524037E+22	1,152659E+22	7,530017E+21	4,321842E+21	2,621802E+21	2,621776E+21	4,321734E+21	7,529730E+21
-598	1,152604E+22	1,523980E+22	1,753621E+22	1,753653E+22	1,524052E+22	1,152675E+22	7,530201E+21	4,322051E+21	2,622031E+21	2,622009E+21	4,322008E+21	7,530192E+21
-597	1,152682E+22	1,524056E+22	1,753644E+22	1,753613E+22	1,523978E+22	1,152607E+22	7,529809E+21	4,321925E+21	2,622114E+21	2,622252E+21	4,322327E+21	7,530326E+21
-596	1,152647E+22	1,523970E+22	1,753533E+22	1,753550E+22	1,523987E+22	1,152653E+22	7,530378E+21	4,322431E+21	2,622435E+21	2,622353E+21	4,322161E+21	7,529919E+21
-595	1,152608E+22	1,523981E+22	1,753591E+22	1,753590E+22	1,523990E+22	1,152638E+22	7,530234E+21	4,322452E+21	2,622622E+21	2,622647E+21	4,322559E+21	7,530475E+21
-594	1,152669E+22	1,524010E+22	1,753575E+22	1,753530E+22	1,523920E+22	1,152597E+22	7,530126E+21	4,322496E+21	2,622752E+21	2,622836E+21	4,322698E+21	7,530260E+21
-593	1,152589E+22	1,523880E+22	1,753460E+22	1,753511E+22	1,523969E+22	1,152657E+22	7,530701E+21	4,322980E+21	2,623057E+21	2,622940E+21	4,322616E+21	7,530114E+21
-592	1,152599E+22	1,523943E+22	1,753529E+22	1,753535E+22	1,523957E+22	1,152624E+22	7,530292E+21	4,322712E+21	2,623021E+21	2,623113E+21	4,323017E+21	7,530708E+21
-591	1,152641E+22	1,523927E+22	1,753464E+22	1,753455E+22	1,523910E+22	1,152621E+22	7,530455E+21	4,322812E+21	2,623006E+21	2,623002E+21	4,322754E+21	7,530256E+21
-590	1,152586E+22	1,523873E+22	1,753441E+22	1,753480E+22	1,523946E+22	1,152650E+22	7,530673E+21	4,322940E+21	2,623022E+21	2,622925E+21	4,322666E+21	7,530359E+21
-589	1,152649E+22	1,523993E+22	1,753547E+22	1,753511E+22	1,523909E+22	1,152585E+22	7,530069E+21	4,322509E+21	2,622791E+21	2,622884E+21	4,322806E+21	7,530514E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-588	1,152631E+22	1,523938E+22	1,753491E+22	1,753494E+22	1,523941E+22	1,152630E+22	7,530402E+21	4,322633E+21	2,622703E+21	2,622617E+21	4,322364E+21	7,529968E+21
-587	1,152586E+22	1,523940E+22	1,753568E+22	1,753591E+22	1,523997E+22	1,152643E+22	7,530237E+21	4,322399E+21	2,622513E+21	2,622494E+21	4,322406E+21	7,530401E+21
-586	1,152675E+22	1,524027E+22	1,753607E+22	1,753585E+22	1,523963E+22	1,152605E+22	7,529875E+21	4,322031E+21	2,622216E+21	2,622327E+21	4,322344E+21	7,530231E+21
-585	1,152626E+22	1,523946E+22	1,753523E+22	1,753571E+22	1,524017E+22	1,152671E+22	7,530391E+21	4,322301E+21	2,622212E+21	2,622085E+21	4,321921E+21	7,529821E+21
-584	1,152622E+22	1,524023E+22	1,753641E+22	1,753637E+22	1,524029E+22	1,152652E+22	7,530039E+21	4,322000E+21	2,622070E+21	2,622097E+21	4,322121E+21	7,530273E+21
-583	1,152672E+22	1,524041E+22	1,753632E+22	1,753599E+22	1,523982E+22	1,152628E+22	7,530012E+21	4,321985E+21	2,622023E+21	2,622033E+21	4,321948E+21	7,529841E+21
-582	1,152606E+22	1,523955E+22	1,753567E+22	1,753609E+22	1,524025E+22	1,152667E+22	7,530353E+21	4,322281E+21	2,622210E+21	2,622102E+21	4,321950E+21	7,529865E+21
-581	1,152635E+22	1,524036E+22	1,753644E+22	1,753633E+22	1,524002E+22	1,152616E+22	7,529837E+21	4,321994E+21	2,622194E+21	2,622310E+21	4,322370E+21	7,530348E+21
-580	1,152643E+22	1,523977E+22	1,753547E+22	1,753546E+22	1,523977E+22	1,152640E+22	7,530206E+21	4,322285E+21	2,622364E+21	2,622360E+21	4,322240E+21	7,530006E+21
-579	1,152592E+22	1,523926E+22	1,753540E+22	1,753571E+22	1,523992E+22	1,152651E+22	7,530373E+21	4,322507E+21	2,622593E+21	2,622559E+21	4,322436E+21	7,530381E+21
-578	1,152670E+22	1,524012E+22	1,753571E+22	1,753536E+22	1,523923E+22	1,152589E+22	7,530011E+21	4,322391E+21	2,622685E+21	2,622823E+21	4,322777E+21	7,530476E+21
-577	1,152624E+22	1,523914E+22	1,753447E+22	1,753459E+22	1,523922E+22	1,152631E+22	7,530615E+21	4,322968E+21	2,623081E+21	2,622986E+21	4,322650E+21	7,530061E+21
-576	1,152576E+22	1,523914E+22	1,753507E+22	1,753509E+22	1,523939E+22	1,152624E+22	7,530471E+21	4,322986E+21	2,623279E+21	2,623296E+21	4,323070E+21	7,530641E+21
-575	1,152633E+22	1,523926E+22	1,753473E+22	1,753451E+22	1,523878E+22	1,152587E+22	7,530353E+21	4,322995E+21	2,623381E+21	2,623469E+21	4,323204E+21	7,530503E+21
-574	1,152577E+22	1,523818E+22	1,753348E+22	1,753398E+22	1,523900E+22	1,152636E+22	7,530871E+21	4,323405E+21	2,623608E+21	2,623514E+21	4,323115E+21	7,530399E+21
-573	1,152591E+22	1,523893E+22	1,753440E+22	1,753434E+22	1,523882E+22	1,152593E+22	7,530431E+21	4,323132E+21	2,623532E+21	2,623608E+21	4,323406E+21	7,530887E+21
-572	1,152630E+22	1,523884E+22	1,753389E+22	1,753368E+22	1,523844E+22	1,152595E+22	7,530604E+21	4,323224E+21	2,623508E+21	2,623494E+21	4,323134E+21	7,530387E+21
-571	1,152567E+22	1,523832E+22	1,753394E+22	1,753425E+22	1,523892E+22	1,152620E+22	7,530758E+21	4,323310E+21	2,623494E+21	2,623383E+21	4,323005E+21	7,530451E+21
-570	1,152627E+22	1,523946E+22	1,753494E+22	1,753469E+22	1,523881E+22	1,152572E+22	7,530167E+21	4,322826E+21	2,623218E+21	2,623336E+21	4,323191E+21	7,530661E+21
-569	1,152609E+22	1,523882E+22	1,753412E+22	1,753422E+22	1,523901E+22	1,152621E+22	7,530562E+21	4,322985E+21	2,623148E+21	2,623071E+21	4,322745E+21	7,530142E+21
-568	1,152568E+22	1,523888E+22	1,753492E+22	1,753515E+22	1,523956E+22	1,152640E+22	7,530460E+21	4,322786E+21	2,622967E+21	2,622931E+21	4,322737E+21	7,530523E+21
-567	1,152656E+22	1,523972E+22	1,753529E+22	1,753516E+22	1,523925E+22	1,152597E+22	7,530093E+21	4,322450E+21	2,622702E+21	2,622782E+21	4,322653E+21	7,530328E+21
-566	1,152618E+22	1,523911E+22	1,753446E+22	1,753477E+22	1,523951E+22	1,152647E+22	7,530539E+21	4,322706E+21	2,622718E+21	2,622588E+21	4,322311E+21	7,529947E+21
-565	1,152599E+22	1,523974E+22	1,753578E+22	1,753564E+22	1,523966E+22	1,152619E+22	7,530155E+21	4,322432E+21	2,622608E+21	2,622625E+21	4,322530E+21	7,530394E+21
-564	1,152642E+22	1,523975E+22	1,753550E+22	1,753527E+22	1,523933E+22	1,152606E+22	7,530136E+21	4,322410E+21	2,622585E+21	2,622620E+21	4,322455E+21	7,530077E+21
-563	1,152581E+22	1,523888E+22	1,753487E+22	1,753535E+22	1,523974E+22	1,152645E+22	7,530465E+21	4,322675E+21	2,622744E+21	2,622658E+21	4,322433E+21	7,530143E+21
-562	1,152625E+22	1,523978E+22	1,753555E+22	1,753548E+22	1,523950E+22	1,152601E+22	7,530008E+21	4,322388E+21	2,622705E+21	2,622854E+21	4,322847E+21	7,530609E+21
-561	1,152636E+22	1,523925E+22	1,753448E+22	1,753437E+22	1,523904E+22	1,152618E+22	7,530424E+21	4,322771E+21	2,622948E+21	2,622932E+21	4,322685E+21	7,530190E+21
-560	1,152577E+22	1,523883E+22	1,753465E+22	1,753478E+22	1,523928E+22	1,152633E+22	7,530607E+21	4,323037E+21	2,623228E+21	2,623162E+21	4,322862E+21	7,530470E+21
-559	1,152639E+22	1,523949E+22	1,753494E+22	1,753467E+22	1,523876E+22	1,152571E+22	7,530233E+21	4,322935E+21	2,623353E+21	2,623466E+21	4,323236E+21	7,530595E+21
-558	1,152599E+22	1,523850E+22	1,753353E+22	1,753367E+22	1,523864E+22	1,152610E+22	7,530780E+21	4,323451E+21	2,623715E+21	2,623642E+21	4,323202E+21	7,530305E+21
-557	1,152549E+22	1,523842E+22	1,753412E+22	1,753420E+22	1,523879E+22	1,152602E+22	7,530655E+21	4,323456E+21	2,623866E+21	2,623887E+21	4,323562E+21	7,530876E+21
-556	1,152612E+22	1,523854E+22	1,753368E+22	1,753353E+22	1,523820E+22	1,152572E+22	7,530581E+21	4,323461E+21	2,623940E+21	2,624035E+21	4,323681E+21	7,530746E+21
-555	1,152563E+22	1,523767E+22	1,753271E+22	1,753311E+22	1,523836E+22	1,152613E+22	7,531038E+21	4,323832E+21	2,624123E+21	2,624012E+21	4,323502E+21	7,530571E+21
-554	1,152581E+22	1,523854E+22	1,753375E+22	1,753355E+22	1,523823E+22	1,152571E+22	7,530580E+21	4,323522E+21	2,624019E+21	2,624099E+21	4,323785E+21	7,530993E+21
-553	1,152609E+22	1,523834E+22	1,753318E+22	1,753289E+22	1,523783E+22	1,152569E+22	7,530750E+21	4,323653E+21	2,624038E+21	2,624015E+21	4,323540E+21	7,530514E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-552	1,152542E+22	1,523778E+22	1,753328E+22	1,753364E+22	1,523854E+22	1,152605E+22	7,530876E+21	4,323704E+21	2,624011E+21	2,623897E+21	4,323409E+21	7,530594E+21
-551	1,152601E+22	1,523879E+22	1,753413E+22	1,753407E+22	1,523851E+22	1,152565E+22	7,530332E+21	4,323206E+21	2,623707E+21	2,623822E+21	4,323567E+21	7,530851E+21
-550	1,152604E+22	1,523835E+22	1,753326E+22	1,753330E+22	1,523845E+22	1,152605E+22	7,530704E+21	4,323330E+21	2,623591E+21	2,623530E+21	4,323131E+21	7,530349E+21
-549	1,152561E+22	1,523847E+22	1,753424E+22	1,753435E+22	1,523895E+22	1,152615E+22	7,530605E+21	4,323168E+21	2,623415E+21	2,623356E+21	4,323041E+21	7,530599E+21
-548	1,152637E+22	1,523926E+22	1,753464E+22	1,753444E+22	1,523872E+22	1,152578E+22	7,530257E+21	4,322854E+21	2,623193E+21	2,623265E+21	4,323013E+21	7,530404E+21
-547	1,152589E+22	1,523861E+22	1,753396E+22	1,753419E+22	1,523901E+22	1,152622E+22	7,530640E+21	4,323087E+21	2,623215E+21	2,623088E+21	4,322703E+21	7,530071E+21
-546	1,152574E+22	1,523912E+22	1,753505E+22	1,753502E+22	1,523930E+22	1,152607E+22	7,530275E+21	4,322786E+21	2,623096E+21	2,623153E+21	4,322990E+21	7,530591E+21
-545	1,152620E+22	1,523906E+22	1,753451E+22	1,753433E+22	1,523878E+22	1,152592E+22	7,530329E+21	4,322836E+21	2,623122E+21	2,623175E+21	4,322939E+21	7,530350E+21
-544	1,152570E+22	1,523830E+22	1,753395E+22	1,753441E+22	1,523918E+22	1,152631E+22	7,530670E+21	4,323136E+21	2,623305E+21	2,623210E+21	4,322869E+21	7,530349E+21
-543	1,152613E+22	1,523923E+22	1,753468E+22	1,753460E+22	1,523895E+22	1,152585E+22	7,530242E+21	4,322893E+21	2,623305E+21	2,623424E+21	4,323258E+21	7,530778E+21
-542	1,152630E+22	1,523886E+22	1,753370E+22	1,753335E+22	1,523827E+22	1,152588E+22	7,530593E+21	4,323257E+21	2,623565E+21	2,623552E+21	4,323173E+21	7,530360E+21
-541	1,152554E+22	1,523828E+22	1,753395E+22	1,753401E+22	1,523861E+22	1,152600E+22	7,530768E+21	4,323547E+21	2,623862E+21	2,623788E+21	4,323344E+21	7,530604E+21
-540	1,152606E+22	1,523875E+22	1,753403E+22	1,753389E+22	1,523831E+22	1,152556E+22	7,530418E+21	4,323428E+21	2,623992E+21	2,624126E+21	4,323788E+21	7,530826E+21
-539	1,152570E+22	1,523777E+22	1,753264E+22	1,753280E+22	1,523808E+22	1,152593E+22	7,530959E+21	4,323902E+21	2,624297E+21	2,624235E+21	4,323700E+21	7,530566E+21
-538	1,152536E+22	1,523775E+22	1,753313E+22	1,753326E+22	1,523823E+22	1,152589E+22	7,530867E+21	4,323887E+21	2,624401E+21	2,624438E+21	4,324016E+21	7,531074E+21
-537	1,152598E+22	1,523797E+22	1,753270E+22	1,753244E+22	1,523744E+22	1,152549E+22	7,530801E+21	4,323951E+21	2,624511E+21	2,624582E+21	4,324099E+21	7,530898E+21
-536	1,152546E+22	1,523719E+22	1,753197E+22	1,753224E+22	1,523771E+22	1,152589E+22	7,531206E+21	4,324304E+21	2,624697E+21	2,624556E+21	4,323886E+21	7,530645E+21
-535	1,152553E+22	1,523794E+22	1,753305E+22	1,753294E+22	1,523781E+22	1,152553E+22	7,530736E+21	4,323964E+21	2,624577E+21	2,624640E+21	4,324183E+21	7,531123E+21
-534	1,152591E+22	1,523781E+22	1,753240E+22	1,753210E+22	1,523731E+22	1,152548E+22	7,530833E+21	4,324003E+21	2,624533E+21	2,624543E+21	4,323998E+21	7,530737E+21
-533	1,152526E+22	1,523724E+22	1,753257E+22	1,753294E+22	1,523805E+22	1,152587E+22	7,531003E+21	4,324050E+21	2,624452E+21	2,624347E+21	4,323782E+21	7,530772E+21
-532	1,152588E+22	1,523826E+22	1,753333E+22	1,753334E+22	1,523811E+22	1,152557E+22	7,530507E+21	4,323565E+21	2,624144E+21	2,624262E+21	4,323924E+21	7,531003E+21
-531	1,152590E+22	1,523796E+22	1,753270E+22	1,753261E+22	1,523794E+22	1,152588E+22	7,530843E+21	4,323677E+21	2,624013E+21	2,623939E+21	4,323440E+21	7,530460E+21
-530	1,152548E+22	1,523807E+22	1,753366E+22	1,753371E+22	1,523848E+22	1,152600E+22	7,530758E+21	4,323519E+21	2,623856E+21	2,623809E+21	4,323388E+21	7,530652E+21
-529	1,152608E+22	1,523868E+22	1,753391E+22	1,753370E+22	1,523816E+22	1,152557E+22	7,530422E+21	4,323280E+21	2,623716E+21	2,623789E+21	4,323442E+21	7,530556E+21
-528	1,152563E+22	1,523798E+22	1,753316E+22	1,753347E+22	1,523858E+22	1,152608E+22	7,530776E+21	4,323500E+21	2,623759E+21	2,623640E+21	4,323158E+21	7,530276E+21
-527	1,152555E+22	1,523844E+22	1,753410E+22	1,753419E+22	1,523884E+22	1,152597E+22	7,530471E+21	4,323215E+21	2,623640E+21	2,623699E+21	4,323432E+21	7,530850E+21
-526	1,152622E+22	1,523859E+22	1,753356E+22	1,753324E+22	1,523803E+22	1,152567E+22	7,530476E+21	4,323253E+21	2,623661E+21	2,623729E+21	4,323408E+21	7,530606E+21
-525	1,152567E+22	1,523792E+22	1,753324E+22	1,753352E+22	1,523842E+22	1,152598E+22	7,530822E+21	4,323596E+21	2,623864E+21	2,623749E+21	4,323265E+21	7,530467E+21
-524	1,152593E+22	1,523873E+22	1,753397E+22	1,753382E+22	1,523837E+22	1,152563E+22	7,530430E+21	4,323388E+21	2,623918E+21	2,624028E+21	4,323710E+21	7,530874E+21
-523	1,152596E+22	1,523828E+22	1,753312E+22	1,753273E+22	1,523775E+22	1,152566E+22	7,530743E+21	4,323726E+21	2,624171E+21	2,624162E+21	4,323656E+21	7,530518E+21
-522	1,152525E+22	1,523756E+22	1,753308E+22	1,753328E+22	1,523820E+22	1,152591E+22	7,530960E+21	4,323987E+21	2,624447E+21	2,624407E+21	4,323857E+21	7,530770E+21
-521	1,152572E+22	1,523791E+22	1,753291E+22	1,753285E+22	1,523770E+22	1,152546E+22	7,530697E+21	4,323946E+21	2,624610E+21	2,624745E+21	4,324304E+21	7,531073E+21
-520	1,152552E+22	1,523707E+22	1,753158E+22	1,753179E+22	1,523749E+22	1,152580E+22	7,531203E+21	4,324418E+21	2,624912E+21	2,624829E+21	4,324158E+21	7,530756E+21
-519	1,152520E+22	1,523712E+22	1,753213E+22	1,753226E+22	1,523760E+22	1,152573E+22	7,531110E+21	4,324406E+21	2,625013E+21	2,625014E+21	4,324436E+21	7,531241E+21
-518	1,152589E+22	1,523752E+22	1,753186E+22	1,753140E+22	1,523662E+22	1,152515E+22	7,530936E+21	4,324407E+21	2,625098E+21	2,625175E+21	4,324583E+21	7,531096E+21
-517	1,152528E+22	1,523669E+22	1,753132E+22	1,753154E+22	1,523705E+22	1,152551E+22	7,531283E+21	4,324720E+21	2,625241E+21	2,625108E+21	4,324335E+21	7,530814E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-516	1,152529E+22	1,523732E+22	1,753226E+22	1,753228E+22	1,523740E+22	1,152538E+22	7,530851E+21	4,324335E+21	2,625087E+21	2,625180E+21	4,324651E+21	7,531344E+21
-515	1,152573E+22	1,523730E+22	1,753176E+22	1,753144E+22	1,523686E+22	1,152534E+22	7,530946E+21	4,324316E+21	2,624957E+21	2,624988E+21	4,324380E+21	7,530954E+21
-514	1,152522E+22	1,523681E+22	1,753185E+22	1,753224E+22	1,523762E+22	1,152578E+22	7,531165E+21	4,324361E+21	2,624846E+21	2,624755E+21	4,324094E+21	7,530848E+21
-513	1,152571E+22	1,523782E+22	1,753260E+22	1,753252E+22	1,523754E+22	1,152544E+22	7,530725E+21	4,323976E+21	2,624606E+21	2,624692E+21	4,324227E+21	7,531058E+21
-512	1,152568E+22	1,523751E+22	1,753208E+22	1,753198E+22	1,523747E+22	1,152572E+22	7,531014E+21	4,324098E+21	2,624516E+21	2,624411E+21	4,323766E+21	7,530493E+21
-511	1,152517E+22	1,523743E+22	1,753291E+22	1,753313E+22	1,523812E+22	1,152589E+22	7,530943E+21	4,323947E+21	2,624380E+21	2,624317E+21	4,323780E+21	7,530796E+21
-510	1,152589E+22	1,523809E+22	1,753304E+22	1,753283E+22	1,523759E+22	1,152537E+22	7,530541E+21	4,323654E+21	2,624222E+21	2,624330E+21	4,323933E+21	7,530828E+21
-509	1,152552E+22	1,523743E+22	1,753235E+22	1,753265E+22	1,523794E+22	1,152582E+22	7,530911E+21	4,323883E+21	2,624245E+21	2,624143E+21	4,323590E+21	7,530507E+21
-508	1,152547E+22	1,523795E+22	1,753326E+22	1,753335E+22	1,523828E+22	1,152580E+22	7,530645E+21	4,323631E+21	2,624161E+21	2,624227E+21	4,323864E+21	7,531040E+21
-507	1,152611E+22	1,523825E+22	1,753298E+22	1,753245E+22	1,523738E+22	1,152541E+22	7,530605E+21	4,323660E+21	2,624182E+21	2,624246E+21	4,323804E+21	7,530745E+21
-506	1,152552E+22	1,523748E+22	1,753262E+22	1,753284E+22	1,523788E+22	1,152579E+22	7,530986E+21	4,324023E+21	2,624422E+21	2,624321E+21	4,323695E+21	7,530526E+21
-505	1,152557E+22	1,523804E+22	1,753313E+22	1,753306E+22	1,523783E+22	1,152546E+22	7,530647E+21	4,323906E+21	2,624558E+21	2,624663E+21	4,324219E+21	7,531044E+21
-504	1,152563E+22	1,523746E+22	1,753209E+22	1,753192E+22	1,523732E+22	1,152555E+22	7,530962E+21	4,324240E+21	2,624823E+21	2,624815E+21	4,324185E+21	7,530740E+21
-503	1,152500E+22	1,523671E+22	1,753189E+22	1,753228E+22	1,523768E+22	1,152586E+22	7,531254E+21	4,324516E+21	2,625081E+21	2,625032E+21	4,324367E+21	7,531043E+21
-502	1,152565E+22	1,523729E+22	1,753177E+22	1,753160E+22	1,523683E+22	1,152518E+22	7,530902E+21	4,324444E+21	2,625225E+21	2,625240E+21	4,324822E+21	7,531336E+21
-501	1,152543E+22	1,523660E+22	1,753074E+22	1,753075E+22	1,523659E+22	1,152541E+22	7,531359E+21	4,324903E+21	2,625504E+21	2,625408E+21	4,324597E+21	7,530904E+21
-500	1,152501E+22	1,523662E+22	1,753137E+22	1,753144E+22	1,523694E+22	1,152543E+22	7,531247E+21	4,324867E+21	2,625608E+21	2,625613E+21	4,324904E+21	7,531373E+21
-499	1,152562E+22	1,523703E+22	1,753128E+22	1,753078E+22	1,523610E+22	1,152487E+22	7,531002E+21	4,324782E+21	2,625619E+21	2,625715E+21	4,325033E+21	7,531293E+21
-498	1,152510E+22	1,523615E+22	1,753061E+22	1,753095E+22	1,523670E+22	1,152541E+22	7,531400E+21	4,325040E+21	2,625699E+21	2,625605E+21	4,324750E+21	7,530970E+21
-497	1,152507E+22	1,523671E+22	1,753141E+22	1,753149E+22	1,523694E+22	1,152532E+22	7,531087E+21	4,324742E+21	2,625558E+21	2,625643E+21	4,325029E+21	7,531522E+21
-496	1,152559E+22	1,523678E+22	1,753096E+22	1,753076E+22	1,523647E+22	1,152528E+22	7,531170E+21	4,324731E+21	2,625431E+21	2,625429E+21	4,324693E+21	7,531040E+21
-495	1,152505E+22	1,523634E+22	1,753108E+22	1,753150E+22	1,523717E+22	1,152572E+22	7,531419E+21	4,324801E+21	2,625338E+21	2,625204E+21	4,324405E+21	7,530916E+21
-494	1,152551E+22	1,523736E+22	1,753188E+22	1,753169E+22	1,523687E+22	1,152517E+22	7,530871E+21	4,324389E+21	2,625118E+21	2,625204E+21	4,324638E+21	7,531192E+21
-493	1,152544E+22	1,523698E+22	1,753143E+22	1,753135E+22	1,523688E+22	1,152539E+22	7,531102E+21	4,324485E+21	2,625020E+21	2,624929E+21	4,324202E+21	7,530675E+21
-492	1,152495E+22	1,523680E+22	1,753202E+22	1,753237E+22	1,523765E+22	1,152572E+22	7,531060E+21	4,324316E+21	2,624886E+21	2,624856E+21	4,324260E+21	7,531045E+21
-491	1,152575E+22	1,523761E+22	1,753231E+22	1,753204E+22	1,523702E+22	1,152515E+22	7,530643E+21	4,323986E+21	2,624673E+21	2,624807E+21	4,324358E+21	7,531102E+21
-490	1,152554E+22	1,523707E+22	1,753164E+22	1,753188E+22	1,523738E+22	1,152561E+22	7,531024E+21	4,324217E+21	2,624698E+21	2,624615E+21	4,323954E+21	7,530616E+21
-489	1,152529E+22	1,523751E+22	1,753252E+22	1,753250E+22	1,523764E+22	1,152560E+22	7,530856E+21	4,324094E+21	2,624706E+21	2,624746E+21	4,324242E+21	7,531127E+21
-488	1,152585E+22	1,523771E+22	1,753229E+22	1,753186E+22	1,523695E+22	1,152525E+22	7,530796E+21	4,324143E+21	2,624782E+21	2,624823E+21	4,324217E+21	7,530811E+21
-487	1,152517E+22	1,523676E+22	1,753171E+22	1,753214E+22	1,523751E+22	1,152573E+22	7,531242E+21	4,324541E+21	2,625052E+21	2,624936E+21	4,324180E+21	7,530699E+21
-486	1,152527E+22	1,523726E+22	1,753203E+22	1,753203E+22	1,523719E+22	1,152529E+22	7,530873E+21	4,324404E+21	2,625187E+21	2,625312E+21	4,324780E+21	7,531330E+21
-485	1,152545E+22	1,523676E+22	1,753105E+22	1,753091E+22	1,523656E+22	1,152530E+22	7,531189E+21	4,324745E+21	2,625431E+21	2,625429E+21	4,324698E+21	7,531003E+21
-484	1,152488E+22	1,523608E+22	1,753079E+22	1,753119E+22	1,523696E+22	1,152564E+22	7,531474E+21	4,325025E+21	2,625700E+21	2,625652E+21	4,324872E+21	7,531260E+21
-483	1,152550E+22	1,523688E+22	1,753104E+22	1,753063E+22	1,523603E+22	1,152485E+22	7,531037E+21	4,324893E+21	2,625800E+21	2,625940E+21	4,325285E+21	7,531537E+21
-482	1,152530E+22	1,523618E+22	1,753009E+22	1,753002E+22	1,523596E+22	1,152510E+22	7,531452E+21	4,325304E+21	2,626060E+21	2,625987E+21	4,325047E+21	7,531013E+21
-481	1,152471E+22	1,523601E+22	1,753059E+22	1,753071E+22	1,523641E+22	1,152522E+22	7,531408E+21	4,325323E+21	2,626187E+21	2,626194E+21	4,325383E+21	7,531573E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-480	1,152538E+22	1,523636E+22	1,753042E+22	1,753015E+22	1,523578E+22	1,152480E+22	7,531178E+21	4,325203E+21	2,626162E+21	2,626255E+21	4,325461E+21	7,531477E+21
-479	1,152493E+22	1,523553E+22	1,752968E+22	1,753018E+22	1,523633E+22	1,152542E+22	7,531673E+21	4,325481E+21	2,626205E+21	2,626085E+21	4,325128E+21	7,531157E+21
-478	1,152496E+22	1,523623E+22	1,753053E+22	1,753052E+22	1,523627E+22	1,152513E+22	7,531298E+21	4,325172E+21	2,626056E+21	2,626121E+21	4,325398E+21	7,531663E+21
-477	1,152544E+22	1,523636E+22	1,753030E+22	1,752999E+22	1,523579E+22	1,152499E+22	7,531341E+21	4,325152E+21	2,625920E+21	2,625897E+21	4,325029E+21	7,531104E+21
-476	1,152480E+22	1,523583E+22	1,753037E+22	1,753083E+22	1,523667E+22	1,152551E+22	7,531557E+21	4,325201E+21	2,625846E+21	2,625719E+21	4,324816E+21	7,531021E+21
-475	1,152521E+22	1,523686E+22	1,753127E+22	1,753106E+22	1,523638E+22	1,152492E+22	7,530920E+21	4,324703E+21	2,625568E+21	2,625683E+21	4,325062E+21	7,531410E+21
-474	1,152529E+22	1,523646E+22	1,753069E+22	1,753068E+22	1,523646E+22	1,152523E+22	7,531168E+21	4,324759E+21	2,625436E+21	2,625393E+21	4,324603E+21	7,530867E+21
-473	1,152480E+22	1,523628E+22	1,753120E+22	1,753156E+22	1,523712E+22	1,152556E+22	7,531234E+21	4,324695E+21	2,625344E+21	2,625315E+21	4,324648E+21	7,531265E+21
-472	1,152568E+22	1,523717E+22	1,753152E+22	1,753133E+22	1,523658E+22	1,152501E+22	7,530820E+21	4,324394E+21	2,625165E+21	2,625271E+21	4,324693E+21	7,531218E+21
-471	1,152540E+22	1,523667E+22	1,753092E+22	1,753114E+22	1,523690E+22	1,152552E+22	7,531274E+21	4,324684E+21	2,625235E+21	2,625117E+21	4,324322E+21	7,530723E+21
-470	1,152506E+22	1,523699E+22	1,753177E+22	1,753168E+22	1,523697E+22	1,152533E+22	7,531041E+21	4,324579E+21	2,625303E+21	2,625339E+21	4,324713E+21	7,531276E+21
-469	1,152554E+22	1,523705E+22	1,753148E+22	1,753113E+22	1,523636E+22	1,152498E+22	7,530970E+21	4,324626E+21	2,625395E+21	2,625449E+21	4,324733E+21	7,531018E+21
-468	1,152490E+22	1,523601E+22	1,753061E+22	1,753118E+22	1,523697E+22	1,152560E+22	7,531459E+21	4,325028E+21	2,625680E+21	2,625592E+21	4,324744E+21	7,530964E+21
-467	1,152507E+22	1,523665E+22	1,753106E+22	1,753098E+22	1,523647E+22	1,152505E+22	7,531046E+21	4,324856E+21	2,625764E+21	2,625904E+21	4,325284E+21	7,531618E+21
-466	1,152540E+22	1,523629E+22	1,753015E+22	1,752992E+22	1,523584E+22	1,152501E+22	7,531332E+21	4,325185E+21	2,626005E+21	2,626010E+21	4,325141E+21	7,531148E+21
-465	1,152467E+22	1,523557E+22	1,752996E+22	1,753022E+22	1,523619E+22	1,152533E+22	7,531677E+21	4,325548E+21	2,626325E+21	2,626251E+21	4,325326E+21	7,531404E+21
-464	1,152523E+22	1,523628E+22	1,753027E+22	1,752998E+22	1,523555E+22	1,152462E+22	7,531204E+21	4,325390E+21	2,626425E+21	2,626546E+21	4,325735E+21	7,531658E+21
-463	1,152500E+22	1,523552E+22	1,752924E+22	1,752934E+22	1,523560E+22	1,152503E+22	7,531676E+21	4,325781E+21	2,626651E+21	2,626570E+21	4,325524E+21	7,531224E+21
-462	1,152446E+22	1,523531E+22	1,752963E+22	1,752981E+22	1,523585E+22	1,152507E+22	7,531619E+21	4,325775E+21	2,626751E+21	2,626768E+21	4,325868E+21	7,531824E+21
-461	1,152524E+22	1,523578E+22	1,752956E+22	1,752934E+22	1,523521E+22	1,152462E+22	7,531401E+21	4,325645E+21	2,626683E+21	2,626772E+21	4,325871E+21	7,531660E+21
-460	1,152480E+22	1,523502E+22	1,752876E+22	1,752926E+22	1,523578E+22	1,152528E+22	7,531886E+21	4,325921E+21	2,626729E+21	2,626599E+21	4,325522E+21	7,531270E+21
-459	1,152474E+22	1,523583E+22	1,752992E+22	1,752972E+22	1,523563E+22	1,152487E+22	7,531423E+21	4,325551E+21	2,626531E+21	2,626591E+21	4,325764E+21	7,531792E+21
-458	1,152526E+22	1,523592E+22	1,752972E+22	1,752938E+22	1,523527E+22	1,152470E+22	7,531385E+21	4,325477E+21	2,626380E+21	2,626380E+21	4,325409E+21	7,531201E+21
-457	1,152450E+22	1,523520E+22	1,752959E+22	1,753010E+22	1,523618E+22	1,152530E+22	7,531668E+21	4,325570E+21	2,626325E+21	2,626212E+21	4,325248E+21	7,531252E+21
-456	1,152504E+22	1,523623E+22	1,753041E+22	1,753041E+22	1,523606E+22	1,152481E+22	7,531053E+21	4,325048E+21	2,626021E+21	2,626144E+21	4,325446E+21	7,531630E+21
-455	1,152523E+22	1,523601E+22	1,752988E+22	1,752990E+22	1,523603E+22	1,152516E+22	7,531375E+21	4,325136E+21	2,625881E+21	2,625822E+21	4,324953E+21	7,531070E+21
-454	1,152476E+22	1,523591E+22	1,753046E+22	1,753064E+22	1,523643E+22	1,152531E+22	7,531398E+21	4,325107E+21	2,625838E+21	2,625788E+21	4,325001E+21	7,531394E+21
-453	1,152555E+22	1,523680E+22	1,753096E+22	1,753065E+22	1,523596E+22	1,152474E+22	7,530985E+21	4,324831E+21	2,625694E+21	2,625780E+21	4,325050E+21	7,531273E+21
-452	1,152511E+22	1,523611E+22	1,753018E+22	1,753047E+22	1,523645E+22	1,152534E+22	7,531452E+21	4,325149E+21	2,625823E+21	2,625710E+21	4,324785E+21	7,530828E+21
-451	1,152469E+22	1,523635E+22	1,753102E+22	1,753094E+22	1,523648E+22	1,152514E+22	7,531183E+21	4,325000E+21	2,625861E+21	2,625919E+21	4,325205E+21	7,531504E+21
-450	1,152532E+22	1,523638E+22	1,753056E+22	1,753029E+22	1,523585E+22	1,152483E+22	7,531125E+21	4,325037E+21	2,625948E+21	2,626035E+21	4,325219E+21	7,531230E+21
-449	1,152468E+22	1,523533E+22	1,752956E+22	1,753012E+22	1,523630E+22	1,152542E+22	7,531711E+21	4,325538E+21	2,626280E+21	2,626184E+21	4,325234E+21	7,531225E+21
-448	1,152495E+22	1,523604E+22	1,753007E+22	1,753005E+22	1,523589E+22	1,152485E+22	7,531264E+21	4,325369E+21	2,626382E+21	2,626493E+21	4,325720E+21	7,531779E+21
-447	1,152523E+22	1,523578E+22	1,752932E+22	1,752902E+22	1,523521E+22	1,152482E+22	7,531573E+21	4,325717E+21	2,626637E+21	2,626615E+21	4,325611E+21	7,531328E+21
-446	1,152443E+22	1,523498E+22	1,752914E+22	1,752933E+22	1,523546E+22	1,152499E+22	7,531823E+21	4,326060E+21	2,626981E+21	2,626908E+21	4,325862E+21	7,531629E+21
-445	1,152499E+22	1,523560E+22	1,752940E+22	1,752920E+22	1,523498E+22	1,152438E+22	7,531370E+21	4,325865E+21	2,627045E+21	2,627182E+21	4,326260E+21	7,531897E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-444	1,152480E+22	1,523484E+22	1,752824E+22	1,752844E+22	1,523512E+22	1,152494E+22	7,531894E+21	4,326239E+21	2,627237E+21	2,627180E+21	4,326041E+21	7,531467E+21
-443	1,152432E+22	1,523482E+22	1,752880E+22	1,752887E+22	1,523520E+22	1,152487E+22	7,531785E+21	4,326177E+21	2,627254E+21	2,627274E+21	4,326276E+21	7,532027E+21
-442	1,152516E+22	1,523537E+22	1,752881E+22	1,752849E+22	1,523461E+22	1,152440E+22	7,531521E+21	4,326019E+21	2,627165E+21	2,627247E+21	4,326203E+21	7,531711E+21
-441	1,152454E+22	1,523454E+22	1,752807E+22	1,752845E+22	1,523518E+22	1,152505E+22	7,532054E+21	4,326346E+21	2,627235E+21	2,627085E+21	4,325886E+21	7,531367E+21
-440	1,152447E+22	1,523519E+22	1,752919E+22	1,752917E+22	1,523528E+22	1,152469E+22	7,531542E+21	4,325937E+21	2,627024E+21	2,627070E+21	4,326120E+21	7,531888E+21
-439	1,152499E+22	1,523532E+22	1,752895E+22	1,752874E+22	1,523494E+22	1,152464E+22	7,531560E+21	4,325847E+21	2,626840E+21	2,626839E+21	4,325810E+21	7,531426E+21
-438	1,152434E+22	1,523463E+22	1,752876E+22	1,752925E+22	1,523559E+22	1,152509E+22	7,531807E+21	4,325936E+21	2,626787E+21	2,626683E+21	4,325657E+21	7,531502E+21
-437	1,152500E+22	1,523579E+22	1,752969E+22	1,752963E+22	1,523548E+22	1,152462E+22	7,531227E+21	4,325428E+21	2,626477E+21	2,626595E+21	4,325798E+21	7,531790E+21
-436	1,152516E+22	1,523565E+22	1,752918E+22	1,752910E+22	1,523551E+22	1,152501E+22	7,531553E+21	4,325540E+21	2,626377E+21	2,626313E+21	4,325320E+21	7,531156E+21
-435	1,152456E+22	1,523559E+22	1,752996E+22	1,752993E+22	1,523583E+22	1,152505E+22	7,531511E+21	4,325492E+21	2,626332E+21	2,626280E+21	4,325370E+21	7,531491E+21
-434	1,152531E+22	1,523631E+22	1,753037E+22	1,753008E+22	1,523553E+22	1,152450E+22	7,531058E+21	4,325215E+21	2,626227E+21	2,626327E+21	4,325467E+21	7,531364E+21
-433	1,152475E+22	1,523538E+22	1,752930E+22	1,752967E+22	1,523599E+22	1,152520E+22	7,531639E+21	4,325609E+21	2,626406E+21	2,626306E+21	4,325296E+21	7,531083E+21
-432	1,152445E+22	1,523552E+22	1,752995E+22	1,753012E+22	1,523607E+22	1,152506E+22	7,531411E+21	4,325472E+21	2,626445E+21	2,626501E+21	4,325676E+21	7,531739E+21
-431	1,152519E+22	1,523577E+22	1,752955E+22	1,752928E+22	1,523526E+22	1,152472E+22	7,531405E+21	4,325549E+21	2,626538E+21	2,626607E+21	4,325695E+21	7,531487E+21
-430	1,152456E+22	1,523478E+22	1,752861E+22	1,752897E+22	1,523542E+22	1,152508E+22	7,531905E+21	4,326066E+21	2,626919E+21	2,626805E+21	4,325718E+21	7,531429E+21
-429	1,152479E+22	1,523553E+22	1,752931E+22	1,752915E+22	1,523512E+22	1,152453E+22	7,531448E+21	4,325885E+21	2,627030E+21	2,627136E+21	4,326206E+21	7,531927E+21
-428	1,152498E+22	1,523517E+22	1,752847E+22	1,752818E+22	1,523464E+22	1,152459E+22	7,531729E+21	4,326211E+21	2,627291E+21	2,627287E+21	4,326150E+21	7,531500E+21
-427	1,152415E+22	1,523437E+22	1,752831E+22	1,752849E+22	1,523491E+22	1,152477E+22	7,531944E+21	4,326480E+21	2,627557E+21	2,627510E+21	4,326372E+21	7,531887E+21
-426	1,152484E+22	1,523500E+22	1,752855E+22	1,752840E+22	1,523450E+22	1,152422E+22	7,531505E+21	4,326265E+21	2,627581E+21	2,627734E+21	4,326699E+21	7,532076E+21
-425	1,152460E+22	1,523421E+22	1,752731E+22	1,752749E+22	1,523454E+22	1,152481E+22	7,532138E+21	4,326711E+21	2,627780E+21	2,627706E+21	4,326458E+21	7,531658E+21
-424	1,152416E+22	1,523420E+22	1,752794E+22	1,752810E+22	1,523473E+22	1,152475E+22	7,532011E+21	4,326634E+21	2,627783E+21	2,627765E+21	4,326613E+21	7,532086E+21
-423	1,152493E+22	1,523488E+22	1,752812E+22	1,752774E+22	1,523409E+22	1,152426E+22	7,531748E+21	4,326471E+21	2,627684E+21	2,627741E+21	4,326587E+21	7,531828E+21
-422	1,152426E+22	1,523393E+22	1,752731E+22	1,752764E+22	1,523453E+22	1,152474E+22	7,532162E+21	4,326763E+21	2,627770E+21	2,627623E+21	4,326332E+21	7,531564E+21
-421	1,152427E+22	1,523458E+22	1,752838E+22	1,752841E+22	1,523477E+22	1,152450E+22	7,531665E+21	4,326303E+21	2,627518E+21	2,627586E+21	4,326555E+21	7,532108E+21
-420	1,152488E+22	1,523477E+22	1,752809E+22	1,752791E+22	1,523446E+22	1,152452E+22	7,531707E+21	4,326206E+21	2,627312E+21	2,627335E+21	4,326231E+21	7,531639E+21
-419	1,152431E+22	1,523432E+22	1,752812E+22	1,752844E+22	1,523498E+22	1,152484E+22	7,531895E+21	4,326257E+21	2,627207E+21	2,627107E+21	4,325998E+21	7,531678E+21
-418	1,152497E+22	1,523552E+22	1,752918E+22	1,752898E+22	1,523496E+22	1,152437E+22	7,531297E+21	4,325763E+21	2,626921E+21	2,627027E+21	4,326087E+21	7,531804E+21
-417	1,152490E+22	1,523520E+22	1,752864E+22	1,752847E+22	1,523502E+22	1,152483E+22	7,531717E+21	4,325955E+21	2,626881E+21	2,626807E+21	4,325694E+21	7,531244E+21
-416	1,152425E+22	1,523489E+22	1,752923E+22	1,752945E+22	1,523557E+22	1,152496E+22	7,531680E+21	4,325909E+21	2,626860E+21	2,626802E+21	4,325760E+21	7,531572E+21
-415	1,152499E+22	1,523560E+22	1,752950E+22	1,752936E+22	1,523520E+22	1,152451E+22	7,531310E+21	4,325659E+21	2,626762E+21	2,626869E+21	4,325939E+21	7,531607E+21
-414	1,152454E+22	1,523465E+22	1,752828E+22	1,752864E+22	1,523530E+22	1,152500E+22	7,531856E+21	4,326089E+21	2,626991E+21	2,626896E+21	4,325802E+21	7,531379E+21
-413	1,152439E+22	1,523491E+22	1,752893E+22	1,752903E+22	1,523534E+22	1,152485E+22	7,531645E+21	4,325968E+21	2,627045E+21	2,627095E+21	4,326143E+21	7,531950E+21
-412	1,152509E+22	1,523526E+22	1,752862E+22	1,752822E+22	1,523454E+22	1,152449E+22	7,531613E+21	4,326064E+21	2,627176E+21	2,627244E+21	4,326192E+21	7,531656E+21
-411	1,152440E+22	1,523438E+22	1,752795E+22	1,752806E+22	1,523460E+22	1,152467E+22	7,531988E+21	4,326517E+21	2,627527E+21	2,627425E+21	4,326215E+21	7,531622E+21
-410	1,152459E+22	1,523497E+22	1,752858E+22	1,752841E+22	1,523454E+22	1,152420E+22	7,531501E+21	4,326315E+21	2,627640E+21	2,627764E+21	4,326702E+21	7,532086E+21
-409	1,152467E+22	1,523445E+22	1,752757E+22	1,752735E+22	1,523415E+22	1,152445E+22	7,531916E+21	4,326676E+21	2,627896E+21	2,627913E+21	4,326684E+21	7,531772E+21



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-408	1,152397E+22	1,523360E+22	1,752730E+22	1,752769E+22	1,523449E+22	1,152471E+22	7,532182E+21	4,326947E+21	2,628127E+21	2,628069E+21	4,326797E+21	7,532048E+21
-407	1,152468E+22	1,523445E+22	1,752764E+22	1,752748E+22	1,523398E+22	1,152417E+22	7,531808E+21	4,326766E+21	2,628136E+21	2,628255E+21	4,327102E+21	7,532231E+21
-406	1,152439E+22	1,523365E+22	1,752647E+22	1,752649E+22	1,523376E+22	1,152453E+22	7,532348E+21	4,327215E+21	2,628370E+21	2,628262E+21	4,326867E+21	7,531780E+21
-405	1,152392E+22	1,523360E+22	1,752717E+22	1,752728E+22	1,523408E+22	1,152451E+22	7,532199E+21	4,327100E+21	2,628356E+21	2,628328E+21	4,327030E+21	7,532172E+21
-404	1,152463E+22	1,523422E+22	1,752729E+22	1,752699E+22	1,523361E+22	1,152408E+22	7,531893E+21	4,326892E+21	2,628235E+21	2,628313E+21	4,327062E+21	7,531995E+21
-403	1,152404E+22	1,523340E+22	1,752656E+22	1,752686E+22	1,523396E+22	1,152450E+22	7,532222E+21	4,327078E+21	2,628225E+21	2,628115E+21	4,326773E+21	7,531828E+21
-402	1,152423E+22	1,523414E+22	1,752767E+22	1,752769E+22	1,523428E+22	1,152430E+22	7,531729E+21	4,326608E+21	2,627943E+21	2,628025E+21	4,326911E+21	7,532275E+21
-401	1,152480E+22	1,523436E+22	1,752740E+22	1,752716E+22	1,523397E+22	1,152437E+22	7,531866E+21	4,326568E+21	2,627750E+21	2,627767E+21	4,326579E+21	7,531802E+21
-400	1,152421E+22	1,523389E+22	1,752752E+22	1,752788E+22	1,523460E+22	1,152472E+22	7,532066E+21	4,326632E+21	2,627658E+21	2,627531E+21	4,326280E+21	7,531700E+21
-399	1,152475E+22	1,523511E+22	1,752865E+22	1,752844E+22	1,523458E+22	1,152429E+22	7,531512E+21	4,326181E+21	2,627403E+21	2,627493E+21	4,326454E+21	7,531899E+21
-398	1,152457E+22	1,523453E+22	1,752788E+22	1,752775E+22	1,523448E+22	1,152462E+22	7,531870E+21	4,326393E+21	2,627435E+21	2,627364E+21	4,326161E+21	7,531453E+21
-397	1,152403E+22	1,523415E+22	1,752826E+22	1,752859E+22	1,523507E+22	1,152487E+22	7,531896E+21	4,326342E+21	2,627418E+21	2,627380E+21	4,326247E+21	7,531799E+21
-396	1,152483E+22	1,523495E+22	1,752846E+22	1,752833E+22	1,523458E+22	1,152438E+22	7,531538E+21	4,326120E+21	2,627336E+21	2,627459E+21	4,326431E+21	7,531838E+21
-395	1,152448E+22	1,523424E+22	1,752742E+22	1,752756E+22	1,523446E+22	1,152466E+22	7,531973E+21	4,326512E+21	2,627540E+21	2,627449E+21	4,326248E+21	7,531597E+21
-394	1,152435E+22	1,523455E+22	1,752823E+22	1,752815E+22	1,523459E+22	1,152448E+22	7,531714E+21	4,326399E+21	2,627622E+21	2,627661E+21	4,326551E+21	7,532034E+21
-393	1,152483E+22	1,523471E+22	1,752790E+22	1,752744E+22	1,523390E+22	1,152420E+22	7,531755E+21	4,326540E+21	2,627788E+21	2,627858E+21	4,326681E+21	7,531822E+21
-392	1,152411E+22	1,523363E+22	1,752713E+22	1,752747E+22	1,523424E+22	1,152453E+22	7,532153E+21	4,326975E+21	2,628124E+21	2,628025E+21	4,326681E+21	7,531765E+21
-391	1,152431E+22	1,523428E+22	1,752770E+22	1,752765E+22	1,523415E+22	1,152420E+22	7,531781E+21	4,326802E+21	2,628221E+21	2,628349E+21	4,327204E+21	7,532319E+21
-390	1,152442E+22	1,523370E+22	1,752655E+22	1,752636E+22	1,523348E+22	1,152429E+22	7,532183E+21	4,327201E+21	2,628515E+21	2,628521E+21	4,327178E+21	7,532016E+21
-389	1,152385E+22	1,523297E+22	1,752628E+22	1,752665E+22	1,523385E+22	1,152459E+22	7,532468E+21	4,327468E+21	2,628741E+21	2,628665E+21	4,327240E+21	7,532171E+21
-388	1,152446E+22	1,523388E+22	1,752674E+22	1,752649E+22	1,523331E+22	1,152400E+22	7,532055E+21	4,327286E+21	2,628758E+21	2,628864E+21	4,327557E+21	7,532340E+21
-387	1,152416E+22	1,523317E+22	1,752574E+22	1,752564E+22	1,523300E+22	1,152415E+22	7,532430E+21	4,327636E+21	2,628930E+21	2,628835E+21	4,327340E+21	7,531978E+21
-386	1,152373E+22	1,523304E+22	1,752639E+22	1,752656E+22	1,523353E+22	1,152419E+22	7,532217E+21	4,327460E+21	2,628879E+21	2,628870E+21	4,327481E+21	7,532358E+21
-385	1,152440E+22	1,523359E+22	1,752642E+22	1,752621E+22	1,523313E+22	1,152393E+22	7,532020E+21	4,327248E+21	2,628713E+21	2,628821E+21	4,327529E+21	7,532292E+21
-384	1,152399E+22	1,523286E+22	1,752577E+22	1,752620E+22	1,523355E+22	1,152439E+22	7,532368E+21	4,327410E+21	2,628646E+21	2,628536E+21	4,327107E+21	7,531987E+21
-383	1,152419E+22	1,523384E+22	1,752705E+22	1,752700E+22	1,523383E+22	1,152423E+22	7,531949E+21	4,326983E+21	2,628361E+21	2,628422E+21	4,327222E+21	7,532383E+21
-382	1,152463E+22	1,523398E+22	1,752684E+22	1,752647E+22	1,523336E+22	1,152414E+22	7,532027E+21	4,326976E+21	2,628237E+21	2,628226E+21	4,326907E+21	7,531879E+21
-381	1,152401E+22	1,523339E+22	1,752686E+22	1,752724E+22	1,523413E+22	1,152459E+22	7,532249E+21	4,327043E+21	2,628171E+21	2,628035E+21	4,326644E+21	7,531727E+21
-380	1,152439E+22	1,523444E+22	1,752783E+22	1,752776E+22	1,523420E+22	1,152422E+22	7,531713E+21	4,326607E+21	2,627941E+21	2,628040E+21	4,326891E+21	7,532034E+21
-379	1,152434E+22	1,523396E+22	1,752704E+22	1,752692E+22	1,523387E+22	1,152439E+22	7,531986E+21	4,326761E+21	2,627930E+21	2,627889E+21	4,326626E+21	7,531720E+21
-378	1,152395E+22	1,523361E+22	1,752734E+22	1,752769E+22	1,523443E+22	1,152461E+22	7,532009E+21	4,326738E+21	2,627930E+21	2,627894E+21	4,326663E+21	7,531980E+21
-377	1,152469E+22	1,523443E+22	1,752758E+22	1,752739E+22	1,523392E+22	1,152417E+22	7,531729E+21	4,326568E+21	2,627883E+21	2,628005E+21	4,326882E+21	7,532051E+21
-376	1,152436E+22	1,523374E+22	1,752670E+22	1,752683E+22	1,523386E+22	1,152441E+22	7,532127E+21	4,326957E+21	2,628102E+21	2,627998E+21	4,326647E+21	7,531685E+21
-375	1,152411E+22	1,523408E+22	1,752758E+22	1,752748E+22	1,523406E+22	1,152429E+22	7,531913E+21	4,326884E+21	2,628215E+21	2,628253E+21	4,327037E+21	7,532193E+21
-374	1,152449E+22	1,523397E+22	1,752702E+22	1,752665E+22	1,523332E+22	1,152396E+22	7,531916E+21	4,327041E+21	2,628441E+21	2,628518E+21	4,327230E+21	7,532079E+21
-373	1,152390E+22	1,523287E+22	1,752604E+22	1,752651E+22	1,523371E+22	1,152447E+22	7,532418E+21	4,327480E+21	2,628766E+21	2,628680E+21	4,327215E+21	7,531987E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-372	1,152409E+22	1,523357E+22	1,752661E+22	1,752661E+22	1,523354E+22	1,152413E+22	7,532095E+21	4,327351E+21	2,628868E+21	2,628990E+21	4,327706E+21	7,532520E+21
-371	1,152430E+22	1,523320E+22	1,752563E+22	1,752529E+22	1,523265E+22	1,152398E+22	7,532365E+21	4,327689E+21	2,629117E+21	2,629117E+21	4,327648E+21	7,532212E+21
-370	1,152371E+22	1,523249E+22	1,752546E+22	1,752575E+22	1,523312E+22	1,152425E+22	7,532584E+21	4,327933E+21	2,629336E+21	2,629244E+21	4,327669E+21	7,532259E+21
-369	1,152414E+22	1,523324E+22	1,752592E+22	1,752570E+22	1,523272E+22	1,152375E+22	7,532198E+21	4,327732E+21	2,629332E+21	2,629450E+21	4,328048E+21	7,532539E+21
-368	1,152390E+22	1,523246E+22	1,752492E+22	1,752503E+22	1,523260E+22	1,152398E+22	7,532542E+21	4,328008E+21	2,629434E+21	2,629353E+21	4,327768E+21	7,532166E+21
-367	1,152357E+22	1,523252E+22	1,752563E+22	1,752585E+22	1,523311E+22	1,152412E+22	7,532419E+21	4,327835E+21	2,629331E+21	2,629336E+21	4,327905E+21	7,532601E+21
-366	1,152428E+22	1,523305E+22	1,752560E+22	1,752539E+22	1,523255E+22	1,152374E+22	7,532199E+21	4,327651E+21	2,629191E+21	2,629283E+21	4,327904E+21	7,532504E+21
-365	1,152397E+22	1,523249E+22	1,752503E+22	1,752540E+22	1,523306E+22	1,152430E+22	7,532586E+21	4,327810E+21	2,629121E+21	2,628990E+21	4,327428E+21	7,532048E+21
-364	1,152399E+22	1,523346E+22	1,752645E+22	1,752630E+22	1,523331E+22	1,152410E+22	7,532169E+21	4,327415E+21	2,628866E+21	2,628905E+21	4,327553E+21	7,532408E+21
-363	1,152437E+22	1,523354E+22	1,752625E+22	1,752585E+22	1,523278E+22	1,152383E+22	7,532104E+21	4,327340E+21	2,628721E+21	2,628720E+21	4,327304E+21	7,532015E+21
-362	1,152377E+22	1,523282E+22	1,752608E+22	1,752660E+22	1,523370E+22	1,152436E+22	7,532301E+21	4,327390E+21	2,628660E+21	2,628540E+21	4,327061E+21	7,531879E+21
-361	1,152411E+22	1,523374E+22	1,752688E+22	1,752693E+22	1,523372E+22	1,152410E+22	7,531882E+21	4,326988E+21	2,628432E+21	2,628555E+21	4,327354E+21	7,532305E+21
-360	1,152423E+22	1,523336E+22	1,752616E+22	1,752615E+22	1,523335E+22	1,152422E+22	7,532156E+21	4,327149E+21	2,628409E+21	2,628364E+21	4,327004E+21	7,531898E+21
-359	1,152389E+22	1,523326E+22	1,752663E+22	1,752685E+22	1,523381E+22	1,152442E+22	7,532223E+21	4,327180E+21	2,628439E+21	2,628392E+21	4,327064E+21	7,532124E+21
-358	1,152447E+22	1,523393E+22	1,752685E+22	1,752655E+22	1,523320E+22	1,152386E+22	7,531889E+21	4,327054E+21	2,628481E+21	2,628586E+21	4,327327E+21	7,532206E+21
-357	1,152413E+22	1,523316E+22	1,752589E+22	1,752606E+22	1,523335E+22	1,152425E+22	7,532311E+21	4,327429E+21	2,628721E+21	2,628627E+21	4,327134E+21	7,531808E+21
-356	1,152377E+22	1,523336E+22	1,752664E+22	1,752666E+22	1,523360E+22	1,152420E+22	7,532154E+21	4,327388E+21	2,628854E+21	2,628904E+21	4,327560E+21	7,532399E+21
-355	1,152428E+22	1,523333E+22	1,752605E+22	1,752573E+22	1,523267E+22	1,152374E+22	7,532097E+21	4,327504E+21	2,629042E+21	2,629141E+21	4,327764E+21	7,532374E+21
-354	1,152381E+22	1,523229E+22	1,752502E+22	1,752553E+22	1,523306E+22	1,152423E+22	7,532602E+21	4,327970E+21	2,629372E+21	2,629275E+21	4,327684E+21	7,532168E+21
-353	1,152387E+22	1,523296E+22	1,752563E+22	1,752560E+22	1,523287E+22	1,152394E+22	7,532346E+21	4,327871E+21	2,629483E+21	2,629593E+21	4,328188E+21	7,532718E+21
-352	1,152409E+22	1,523262E+22	1,752485E+22	1,752451E+22	1,523201E+22	1,152372E+22	7,532552E+21	4,328171E+21	2,629706E+21	2,629691E+21	4,328082E+21	7,532333E+21
-351	1,152346E+22	1,523195E+22	1,752470E+22	1,752500E+22	1,523255E+22	1,152403E+22	7,532767E+21	4,328397E+21	2,629903E+21	2,629822E+21	4,328165E+21	7,532454E+21
-350	1,152382E+22	1,523252E+22	1,752499E+22	1,752486E+22	1,523214E+22	1,152351E+22	7,532336E+21	4,328173E+21	2,629909E+21	2,630036E+21	4,328553E+21	7,532832E+21
-349	1,152380E+22	1,523188E+22	1,752395E+22	1,752409E+22	1,523208E+22	1,152389E+22	7,532730E+21	4,328408E+21	2,629956E+21	2,629887E+21	4,328201E+21	7,532366E+21
-348	1,152346E+22	1,523205E+22	1,752479E+22	1,752497E+22	1,523256E+22	1,152400E+22	7,532652E+21	4,328274E+21	2,629843E+21	2,629826E+21	4,328263E+21	7,532739E+21
-347	1,152422E+22	1,523276E+22	1,752498E+22	1,752463E+22	1,523189E+22	1,152343E+22	7,532301E+21	4,328024E+21	2,629662E+21	2,629738E+21	4,328233E+21	7,532605E+21
-346	1,152382E+22	1,523214E+22	1,752448E+22	1,752480E+22	1,523252E+22	1,152400E+22	7,532661E+21	4,328183E+21	2,629597E+21	2,629445E+21	4,327743E+21	7,532050E+21
-345	1,152360E+22	1,523284E+22	1,752577E+22	1,752574E+22	1,523294E+22	1,152396E+22	7,532316E+21	4,327794E+21	2,629347E+21	2,629393E+21	4,327954E+21	7,532533E+21
-344	1,152404E+22	1,523284E+22	1,752551E+22	1,752531E+22	1,523246E+22	1,152374E+22	7,532242E+21	4,327680E+21	2,629167E+21	2,629181E+21	4,327687E+21	7,532175E+21
-343	1,152358E+22	1,523228E+22	1,752527E+22	1,752584E+22	1,523327E+22	1,152429E+22	7,532517E+21	4,327766E+21	2,629105E+21	2,629005E+21	4,327486E+21	7,532110E+21
-342	1,152394E+22	1,523314E+22	1,752595E+22	1,752601E+22	1,523310E+22	1,152389E+22	7,532068E+21	4,327422E+21	2,628950E+21	2,629062E+21	4,327770E+21	7,532548E+21
-341	1,152420E+22	1,523294E+22	1,752530E+22	1,752518E+22	1,523274E+22	1,152406E+22	7,532351E+21	4,327590E+21	2,628959E+21	2,628903E+21	4,327409E+21	7,532021E+21
-340	1,152369E+22	1,523282E+22	1,752595E+22	1,752604E+22	1,523317E+22	1,152419E+22	7,532428E+21	4,327675E+21	2,629042E+21	2,628980E+21	4,327501E+21	7,532256E+21
-339	1,152425E+22	1,523342E+22	1,752614E+22	1,752581E+22	1,523255E+22	1,152349E+22	7,531966E+21	4,327487E+21	2,629074E+21	2,629200E+21	4,327840E+21	7,532441E+21
-338	1,152394E+22	1,523255E+22	1,752501E+22	1,752528E+22	1,523283E+22	1,152400E+22	7,532418E+21	4,327866E+21	2,629316E+21	2,629241E+21	4,327649E+21	7,532033E+21
-337	1,152351E+22	1,523263E+22	1,752561E+22	1,752572E+22	1,523306E+22	1,152410E+22	7,532401E+21	4,327869E+21	2,629449E+21	2,629516E+21	4,328083E+21	7,532673E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-336	1,152413E+22	1,523270E+22	1,752512E+22	1,752485E+22	1,523209E+22	1,152358E+22	7,532336E+21	4,327993E+21	2,629624E+21	2,629707E+21	4,328195E+21	7,532539E+21
-335	1,152367E+22	1,523186E+22	1,752422E+22	1,752459E+22	1,523241E+22	1,152405E+22	7,532862E+21	4,328487E+21	2,629967E+21	2,629855E+21	4,328139E+21	7,532303E+21
-334	1,152355E+22	1,523228E+22	1,752474E+22	1,752467E+22	1,523214E+22	1,152364E+22	7,532541E+21	4,328411E+21	2,630137E+21	2,630220E+21	4,328665E+21	7,532881E+21
-333	1,152382E+22	1,523193E+22	1,752389E+22	1,752363E+22	1,523149E+22	1,152356E+22	7,532736E+21	4,328658E+21	2,630334E+21	2,630323E+21	4,328581E+21	7,532494E+21
-332	1,152315E+22	1,523125E+22	1,752379E+22	1,752413E+22	1,523201E+22	1,152387E+22	7,532974E+21	4,328870E+21	2,630497E+21	2,630419E+21	4,328648E+21	7,532686E+21
-331	1,152369E+22	1,523195E+22	1,752409E+22	1,752394E+22	1,523147E+22	1,152324E+22	7,532461E+21	4,328569E+21	2,630427E+21	2,630569E+21	4,329007E+21	7,533101E+21
-330	1,152378E+22	1,523147E+22	1,752317E+22	1,752327E+22	1,523152E+22	1,152364E+22	7,532842E+21	4,328792E+21	2,630441E+21	2,630361E+21	4,328562E+21	7,532495E+21
-329	1,152330E+22	1,523163E+22	1,752411E+22	1,752421E+22	1,523204E+22	1,152384E+22	7,532830E+21	4,328674E+21	2,630325E+21	2,630295E+21	4,328615E+21	7,532840E+21
-328	1,152399E+22	1,523229E+22	1,752447E+22	1,752414E+22	1,523146E+22	1,152324E+22	7,532432E+21	4,328394E+21	2,630121E+21	2,630181E+21	4,328551E+21	7,532649E+21
-327	1,152354E+22	1,523165E+22	1,752389E+22	1,752426E+22	1,523217E+22	1,152386E+22	7,532804E+21	4,328547E+21	2,630054E+21	2,629921E+21	4,328155E+21	7,532192E+21
-326	1,152325E+22	1,523205E+22	1,752485E+22	1,752498E+22	1,523250E+22	1,152382E+22	7,532468E+21	4,328183E+21	2,629843E+21	2,629900E+21	4,328391E+21	7,532785E+21
-325	1,152392E+22	1,523223E+22	1,752452E+22	1,752436E+22	1,523199E+22	1,152369E+22	7,532447E+21	4,328069E+21	2,629655E+21	2,629680E+21	4,328101E+21	7,532383E+21
-324	1,152349E+22	1,523183E+22	1,752443E+22	1,752487E+22	1,523263E+22	1,152412E+22	7,532740E+21	4,328212E+21	2,629624E+21	2,629504E+21	4,327861E+21	7,532290E+21
-323	1,152392E+22	1,523282E+22	1,752527E+22	1,752511E+22	1,523233E+22	1,152352E+22	7,532160E+21	4,327824E+21	2,629470E+21	2,629577E+21	4,328167E+21	7,532717E+21
-322	1,152410E+22	1,523258E+22	1,752471E+22	1,752449E+22	1,523213E+22	1,152369E+22	7,532403E+21	4,327994E+21	2,629499E+21	2,629443E+21	4,327817E+21	7,532113E+21
-321	1,152337E+22	1,523221E+22	1,752521E+22	1,752538E+22	1,523274E+22	1,152401E+22	7,532566E+21	4,328100E+21	2,629603E+21	2,629559E+21	4,327982E+21	7,532450E+21
-320	1,152397E+22	1,523273E+22	1,752536E+22	1,752519E+22	1,523217E+22	1,152338E+22	7,532140E+21	4,327906E+21	2,629615E+21	2,629751E+21	4,328290E+21	7,532641E+21
-319	1,152375E+22	1,523197E+22	1,752414E+22	1,752443E+22	1,523234E+22	1,152393E+22	7,532693E+21	4,328346E+21	2,629877E+21	2,629813E+21	4,328137E+21	7,532251E+21
-318	1,152327E+22	1,523189E+22	1,752456E+22	1,752471E+22	1,523242E+22	1,152394E+22	7,532684E+21	4,328427E+21	2,630091E+21	2,630128E+21	4,328553E+21	7,532875E+21
-317	1,152398E+22	1,523214E+22	1,752412E+22	1,752375E+22	1,523143E+22	1,152344E+22	7,532607E+21	4,328549E+21	2,630289E+21	2,630350E+21	4,328664E+21	7,532645E+21
-316	1,152336E+22	1,523124E+22	1,752336E+22	1,752361E+22	1,523168E+22	1,152379E+22	7,533105E+21	4,329062E+21	2,630656E+21	2,630521E+21	4,328637E+21	7,532470E+21
-315	1,152330E+22	1,523159E+22	1,752382E+22	1,752377E+22	1,523143E+22	1,152325E+22	7,532613E+21	4,328872E+21	2,630773E+21	2,630879E+21	4,329221E+21	7,533165E+21
-314	1,152367E+22	1,523127E+22	1,752292E+22	1,752272E+22	1,523087E+22	1,152325E+22	7,532810E+21	4,329072E+21	2,630910E+21	2,630924E+21	4,329093E+21	7,532756E+21
-313	1,152299E+22	1,523062E+22	1,752284E+22	1,752320E+22	1,523144E+22	1,152371E+22	7,533150E+21	4,329286E+21	2,631027E+21	2,630965E+21	4,329116E+21	7,532950E+21
-312	1,152361E+22	1,523149E+22	1,752340E+22	1,752321E+22	1,523094E+22	1,152305E+22	7,532623E+21	4,328962E+21	2,630905E+21	2,631030E+21	4,329345E+21	7,533213E+21
-311	1,152367E+22	1,523117E+22	1,752266E+22	1,752260E+22	1,523102E+22	1,152348E+22	7,533028E+21	4,329187E+21	2,630910E+21	2,630824E+21	4,328911E+21	7,532547E+21
-310	1,152296E+22	1,523101E+22	1,752343E+22	1,752357E+22	1,523157E+22	1,152366E+22	7,532998E+21	4,329099E+21	2,630840E+21	2,630791E+21	4,328977E+21	7,532921E+21
-309	1,152371E+22	1,523165E+22	1,752363E+22	1,752343E+22	1,523116E+22	1,152321E+22	7,532606E+21	4,328784E+21	2,630621E+21	2,630687E+21	4,328943E+21	7,532752E+21
-308	1,152324E+22	1,523100E+22	1,752305E+22	1,752346E+22	1,523173E+22	1,152380E+22	7,533027E+21	4,328960E+21	2,630550E+21	2,630413E+21	4,328557E+21	7,532417E+21
-307	1,152317E+22	1,523148E+22	1,752396E+22	1,752407E+22	1,523187E+22	1,152357E+22	7,532586E+21	4,328547E+21	2,630309E+21	2,630376E+21	4,328800E+21	7,533046E+21
-306	1,152395E+22	1,523186E+22	1,752376E+22	1,752350E+22	1,523136E+22	1,152339E+22	7,532545E+21	4,328444E+21	2,630124E+21	2,630146E+21	4,328470E+21	7,532540E+21
-305	1,152339E+22	1,523146E+22	1,752381E+22	1,752409E+22	1,523201E+22	1,152387E+22	7,532873E+21	4,328607E+21	2,630122E+21	2,630004E+21	4,328257E+21	7,532433E+21
-304	1,152372E+22	1,523238E+22	1,752480E+22	1,752458E+22	1,523182E+22	1,152326E+22	7,532261E+21	4,328211E+21	2,629973E+21	2,630079E+21	4,328549E+21	7,532819E+21
-303	1,152387E+22	1,523211E+22	1,752414E+22	1,752392E+22	1,523176E+22	1,152354E+22	7,532536E+21	4,328383E+21	2,630022E+21	2,629998E+21	4,328292E+21	7,532292E+21
-302	1,152306E+22	1,523141E+22	1,752423E+22	1,752454E+22	1,523228E+22	1,152390E+22	7,532774E+21	4,328564E+21	2,630189E+21	2,630147E+21	4,328462E+21	7,532684E+21
-301	1,152381E+22	1,523205E+22	1,752426E+22	1,752416E+22	1,523170E+22	1,152337E+22	7,532427E+21	4,328416E+21	2,630226E+21	2,630350E+21	4,328750E+21	7,532811E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-300	1,152355E+22	1,523138E+22	1,752322E+22	1,752337E+22	1,523164E+22	1,152376E+22	7,532998E+21	4,328925E+21	2,630535E+21	2,630430E+21	4,328585E+21	7,532423E+21
-299	1,152310E+22	1,523128E+22	1,752363E+22	1,752365E+22	1,523157E+22	1,152357E+22	7,532844E+21	4,328953E+21	2,630750E+21	2,630776E+21	4,329048E+21	7,533046E+21
-298	1,152375E+22	1,523152E+22	1,752326E+22	1,752285E+22	1,523071E+22	1,152306E+22	7,532718E+21	4,329044E+21	2,630934E+21	2,631004E+21	4,329185E+21	7,532811E+21
-297	1,152303E+22	1,523050E+22	1,752242E+22	1,752272E+22	1,523109E+22	1,152355E+22	7,533234E+21	4,329513E+21	2,631269E+21	2,631167E+21	4,329195E+21	7,532740E+21
-296	1,152308E+22	1,523091E+22	1,752297E+22	1,752296E+22	1,523088E+22	1,152306E+22	7,532756E+21	4,329279E+21	2,631313E+21	2,631437E+21	4,329692E+21	7,533416E+21
-295	1,152360E+22	1,523081E+22	1,752215E+22	1,752191E+22	1,523035E+22	1,152310E+22	7,532995E+21	4,329475E+21	2,631417E+21	2,631450E+21	4,329539E+21	7,532963E+21
-294	1,152284E+22	1,523005E+22	1,752197E+22	1,752233E+22	1,523088E+22	1,152355E+22	7,533363E+21	4,329746E+21	2,631569E+21	2,631479E+21	4,329495E+21	7,533092E+21
-293	1,152349E+22	1,523106E+22	1,752264E+22	1,752238E+22	1,523048E+22	1,152299E+22	7,532861E+21	4,329424E+21	2,631449E+21	2,631546E+21	4,329701E+21	7,533242E+21
-292	1,152335E+22	1,523063E+22	1,752204E+22	1,752192E+22	1,523050E+22	1,152333E+22	7,533251E+21	4,329662E+21	2,631465E+21	2,631351E+21	4,329298E+21	7,532664E+21
-291	1,152270E+22	1,523031E+22	1,752258E+22	1,752282E+22	1,523104E+22	1,152341E+22	7,533086E+21	4,329477E+21	2,631354E+21	2,631324E+21	4,329427E+21	7,533134E+21
-290	1,152355E+22	1,523104E+22	1,752274E+22	1,752259E+22	1,523062E+22	1,152299E+22	7,532710E+21	4,329135E+21	2,631088E+21	2,631179E+21	4,329370E+21	7,532971E+21
-289	1,152313E+22	1,523046E+22	1,752220E+22	1,752256E+22	1,523114E+22	1,152362E+22	7,533175E+21	4,329320E+21	2,631004E+21	2,630883E+21	4,328962E+21	7,532648E+21
-288	1,152314E+22	1,523114E+22	1,752337E+22	1,752333E+22	1,523127E+22	1,152332E+22	7,532698E+21	4,328899E+21	2,630747E+21	2,630800E+21	4,329114E+21	7,533160E+21
-287	1,152388E+22	1,523162E+22	1,752333E+22	1,752288E+22	1,523082E+22	1,152315E+22	7,532656E+21	4,328801E+21	2,630586E+21	2,630614E+21	4,328830E+21	7,532605E+21
-286	1,152308E+22	1,523086E+22	1,752317E+22	1,752351E+22	1,523157E+22	1,152367E+22	7,533006E+21	4,329023E+21	2,630654E+21	2,630529E+21	4,328659E+21	7,532547E+21
-285	1,152346E+22	1,523176E+22	1,752396E+22	1,752388E+22	1,523153E+22	1,152325E+22	7,532455E+21	4,328638E+21	2,630525E+21	2,630635E+21	4,328980E+21	7,532933E+21
-284	1,152355E+22	1,523140E+22	1,752326E+22	1,752309E+22	1,523128E+22	1,152350E+22	7,532820E+21	4,328878E+21	2,630607E+21	2,630572E+21	4,328748E+21	7,532523E+21
-283	1,152292E+22	1,523070E+22	1,752317E+22	1,752353E+22	1,523162E+22	1,152370E+22	7,532976E+21	4,329045E+21	2,630784E+21	2,630745E+21	4,328945E+21	7,532913E+21
-282	1,152372E+22	1,523151E+22	1,752330E+22	1,752311E+22	1,523095E+22	1,152310E+22	7,532621E+21	4,328923E+21	2,630841E+21	2,630958E+21	4,329221E+21	7,532975E+21
-281	1,152334E+22	1,523080E+22	1,752235E+22	1,752237E+22	1,523086E+22	1,152348E+22	7,533196E+21	4,329442E+21	2,631177E+21	2,631076E+21	4,329107E+21	7,532618E+21
-280	1,152285E+22	1,523067E+22	1,752288E+22	1,752285E+22	1,523089E+22	1,152323E+22	7,532960E+21	4,329421E+21	2,631365E+21	2,631400E+21	4,329554E+21	7,533240E+21
-279	1,152353E+22	1,523091E+22	1,752245E+22	1,752206E+22	1,523016E+22	1,152283E+22	7,532831E+21	4,329464E+21	2,631523E+21	2,631638E+21	4,329745E+21	7,533071E+21
-278	1,152280E+22	1,522972E+22	1,752136E+22	1,752178E+22	1,523051E+22	1,152339E+22	7,533416E+21	4,329969E+21	2,631860E+21	2,631771E+21	4,329704E+21	7,533025E+21
-277	1,152302E+22	1,523036E+22	1,752195E+22	1,752195E+22	1,523037E+22	1,152301E+22	7,533013E+21	4,329761E+21	2,631890E+21	2,631999E+21	4,330113E+21	7,533560E+21
-276	1,152344E+22	1,523036E+22	1,752144E+22	1,752105E+22	1,522974E+22	1,152297E+22	7,533273E+21	4,329996E+21	2,632004E+21	2,631988E+21	4,329910E+21	7,533084E+21
-275	1,152269E+22	1,522953E+22	1,752122E+22	1,752153E+22	1,523022E+22	1,152326E+22	7,533510E+21	4,330201E+21	2,632137E+21	2,632029E+21	4,329893E+21	7,533168E+21
-274	1,152322E+22	1,523050E+22	1,752192E+22	1,752170E+22	1,522995E+22	1,152274E+22	7,532992E+21	4,329847E+21	2,631982E+21	2,632080E+21	4,330116E+21	7,533337E+21
-273	1,152300E+22	1,522993E+22	1,752122E+22	1,752121E+22	1,523005E+22	1,152319E+22	7,533400E+21	4,330041E+21	2,631960E+21	2,631874E+21	4,329758E+21	7,532880E+21
-272	1,152249E+22	1,522968E+22	1,752178E+22	1,752208E+22	1,523053E+22	1,152326E+22	7,533225E+21	4,329814E+21	2,631785E+21	2,631770E+21	4,329812E+21	7,533342E+21
-271	1,152349E+22	1,523063E+22	1,752205E+22	1,752187E+22	1,523013E+22	1,152284E+22	7,532849E+21	4,329462E+21	2,631507E+21	2,631621E+21	4,329751E+21	7,533152E+21
-270	1,152303E+22	1,523001E+22	1,752144E+22	1,752175E+22	1,523055E+22	1,152342E+22	7,533316E+21	4,329700E+21	2,631473E+21	2,631336E+21	4,329305E+21	7,532781E+21
-269	1,152305E+22	1,523079E+22	1,752270E+22	1,752260E+22	1,523080E+22	1,152320E+22	7,532873E+21	4,329311E+21	2,631253E+21	2,631286E+21	4,329458E+21	7,533199E+21
-268	1,152359E+22	1,523114E+22	1,752279E+22	1,752235E+22	1,523037E+22	1,152297E+22	7,532824E+21	4,329238E+21	2,631126E+21	2,631136E+21	4,329231E+21	7,532763E+21
-267	1,152286E+22	1,523017E+22	1,752229E+22	1,752276E+22	1,523107E+22	1,152345E+22	7,533104E+21	4,329411E+21	2,631193E+21	2,631094E+21	4,329135E+21	7,532765E+21
-266	1,152329E+22	1,523112E+22	1,752301E+22	1,752298E+22	1,523097E+22	1,152310E+22	7,532645E+21	4,329061E+21	2,631058E+21	2,631189E+21	4,329446E+21	7,533148E+21
-265	1,152339E+22	1,523080E+22	1,752231E+22	1,752211E+22	1,523061E+22	1,152333E+22	7,533049E+21	4,329345E+21	2,631174E+21	2,631147E+21	4,329225E+21	7,532744E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-264	1,152280E+22	1,523021E+22	1,752237E+22	1,752259E+22	1,523089E+22	1,152343E+22	7,533160E+21	4,329514E+21	2,631357E+21	2,631304E+21	4,329367E+21	7,533043E+21
-263	1,152354E+22	1,523105E+22	1,752262E+22	1,752231E+22	1,523029E+22	1,152281E+22	7,532768E+21	4,329379E+21	2,631439E+21	2,631571E+21	4,329706E+21	7,533098E+21
-262	1,152300E+22	1,523005E+22	1,752143E+22	1,752154E+22	1,523025E+22	1,152322E+22	7,533342E+21	4,329930E+21	2,631814E+21	2,631718E+21	4,329625E+21	7,532824E+21
-261	1,152262E+22	1,522997E+22	1,752184E+22	1,752193E+22	1,523042E+22	1,152314E+22	7,533173E+21	4,329912E+21	2,631993E+21	2,632033E+21	4,330064E+21	7,533438E+21
-260	1,152328E+22	1,523024E+22	1,752153E+22	1,752117E+22	1,522958E+22	1,152271E+22	7,533104E+21	4,329989E+21	2,632144E+21	2,632240E+21	4,330233E+21	7,533347E+21
-259	1,152273E+22	1,522910E+22	1,752036E+22	1,752079E+22	1,522983E+22	1,152315E+22	7,533607E+21	4,330452E+21	2,632461E+21	2,632368E+21	4,330177E+21	7,533236E+21
-258	1,152293E+22	1,522991E+22	1,752114E+22	1,752101E+22	1,522967E+22	1,152279E+22	7,533234E+21	4,330255E+21	2,632477E+21	2,632571E+21	4,330539E+21	7,533666E+21
-257	1,152318E+22	1,522982E+22	1,752072E+22	1,752028E+22	1,522911E+22	1,152275E+22	7,533478E+21	4,330477E+21	2,632592E+21	2,632573E+21	4,330368E+21	7,533209E+21
-256	1,152239E+22	1,522894E+22	1,752054E+22	1,752090E+22	1,522971E+22	1,152302E+22	7,533623E+21	4,330607E+21	2,632667E+21	2,632568E+21	4,330330E+21	7,533313E+21
-255	1,152295E+22	1,522988E+22	1,752112E+22	1,752102E+22	1,522952E+22	1,152258E+22	7,533095E+21	4,330187E+21	2,632467E+21	2,632606E+21	4,330576E+21	7,533543E+21
-254	1,152277E+22	1,522920E+22	1,752021E+22	1,752033E+22	1,522952E+22	1,152305E+22	7,533567E+21	4,330418E+21	2,632436E+21	2,632359E+21	4,330177E+21	7,533134E+21
-253	1,152248E+22	1,522925E+22	1,752087E+22	1,752116E+22	1,523001E+22	1,152315E+22	7,533425E+21	4,330211E+21	2,632254E+21	2,632221E+21	4,330153E+21	7,533460E+21
-252	1,152336E+22	1,523029E+22	1,752145E+22	1,752112E+22	1,522952E+22	1,152265E+22	7,533049E+21	4,329891E+21	2,631998E+21	2,632069E+21	4,330073E+21	7,533281E+21
-251	1,152291E+22	1,522959E+22	1,752081E+22	1,752107E+22	1,522997E+22	1,152311E+22	7,533388E+21	4,330065E+21	2,631965E+21	2,631832E+21	4,329681E+21	7,532883E+21
-250	1,152284E+22	1,523033E+22	1,752206E+22	1,752199E+22	1,523031E+22	1,152297E+22	7,532982E+21	4,329683E+21	2,631741E+21	2,631790E+21	4,329861E+21	7,533312E+21
-249	1,152329E+22	1,523050E+22	1,752201E+22	1,752169E+22	1,522995E+22	1,152287E+22	7,532989E+21	4,329617E+21	2,631623E+21	2,631660E+21	4,329685E+21	7,532974E+21
-248	1,152267E+22	1,522960E+22	1,752149E+22	1,752201E+22	1,523056E+22	1,152331E+22	7,533280E+21	4,329799E+21	2,631676E+21	2,631586E+21	4,329545E+21	7,532954E+21
-247	1,152316E+22	1,523063E+22	1,752221E+22	1,752218E+22	1,523043E+22	1,152294E+22	7,532836E+21	4,329475E+21	2,631576E+21	2,631717E+21	4,329867E+21	7,533296E+21
-246	1,152318E+22	1,523021E+22	1,752140E+22	1,752118E+22	1,522995E+22	1,152313E+22	7,533275E+21	4,329843E+21	2,631768E+21	2,631723E+21	4,329671E+21	7,532905E+21
-245	1,152262E+22	1,522969E+22	1,752148E+22	1,752169E+22	1,523028E+22	1,152325E+22	7,533393E+21	4,330043E+21	2,631996E+21	2,631926E+21	4,329835E+21	7,533148E+21
-244	1,152319E+22	1,523040E+22	1,752181E+22	1,752154E+22	1,522970E+22	1,152259E+22	7,532975E+21	4,329916E+21	2,632103E+21	2,632221E+21	4,330238E+21	7,533365E+21
-243	1,152280E+22	1,522928E+22	1,752034E+22	1,752057E+22	1,522960E+22	1,152294E+22	7,533455E+21	4,330387E+21	2,632451E+21	2,632387E+21	4,330198E+21	7,533127E+21
-242	1,152251E+22	1,522936E+22	1,752081E+22	1,752091E+22	1,522971E+22	1,152292E+22	7,533382E+21	4,330395E+21	2,632599E+21	2,632654E+21	4,330583E+21	7,533693E+21
-241	1,152316E+22	1,522969E+22	1,752063E+22	1,752022E+22	1,522890E+22	1,152250E+22	7,533334E+21	4,330490E+21	2,632753E+21	2,632845E+21	4,330716E+21	7,533549E+21
-240	1,152258E+22	1,522867E+22	1,751965E+22	1,751994E+22	1,522916E+22	1,152289E+22	7,533789E+21	4,330925E+21	2,633038E+21	2,632927E+21	4,330589E+21	7,533329E+21
-239	1,152267E+22	1,522943E+22	1,752051E+22	1,752037E+22	1,522915E+22	1,152258E+22	7,533391E+21	4,330690E+21	2,633042E+21	2,633145E+21	4,330974E+21	7,533740E+21
-238	1,152278E+22	1,522905E+22	1,751981E+22	1,751955E+22	1,522865E+22	1,152259E+22	7,533647E+21	4,330915E+21	2,633150E+21	2,633136E+21	4,330827E+21	7,533384E+21
-237	1,152214E+22	1,522823E+22	1,751948E+22	1,752002E+22	1,522931E+22	1,152298E+22	7,533841E+21	4,331030E+21	2,633189E+21	2,633091E+21	4,330756E+21	7,533484E+21
-236	1,152272E+22	1,522925E+22	1,752025E+22	1,752020E+22	1,522901E+22	1,152247E+22	7,533324E+21	4,330616E+21	2,632961E+21	2,633077E+21	4,330973E+21	7,533811E+21
-235	1,152275E+22	1,522869E+22	1,751929E+22	1,751939E+22	1,522885E+22	1,152277E+22	7,533672E+21	4,330788E+21	2,632912E+21	2,632834E+21	4,330559E+21	7,533330E+21
-234	1,152246E+22	1,522898E+22	1,752024E+22	1,752033E+22	1,522931E+22	1,152288E+22	7,533574E+21	4,330600E+21	2,632723E+21	2,632684E+21	4,330505E+21	7,533563E+21
-233	1,152317E+22	1,522991E+22	1,752094E+22	1,752053E+22	1,522897E+22	1,152239E+22	7,533170E+21	4,330273E+21	2,632487E+21	2,632563E+21	4,330465E+21	7,533396E+21
-232	1,152267E+22	1,522915E+22	1,752027E+22	1,752056E+22	1,522954E+22	1,152288E+22	7,533450E+21	4,330395E+21	2,632423E+21	2,632309E+21	4,330076E+21	7,533027E+21
-231	1,152261E+22	1,522979E+22	1,752136E+22	1,752140E+22	1,522997E+22	1,152287E+22	7,533096E+21	4,330002E+21	2,632198E+21	2,632283E+21	4,330273E+21	7,533474E+21
-230	1,152306E+22	1,522982E+22	1,752105E+22	1,752085E+22	1,522947E+22	1,152278E+22	7,533209E+21	4,330032E+21	2,632125E+21	2,632160E+21	4,330094E+21	7,533180E+21
-229	1,152259E+22	1,522911E+22	1,752050E+22	1,752106E+22	1,523003E+22	1,152322E+22	7,533551E+21	4,330289E+21	2,632233E+21	2,632110E+21	4,329925E+21	7,533050E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-228	1,152290E+22	1,523012E+22	1,752147E+22	1,752136E+22	1,522980E+22	1,152275E+22	7,533096E+21	4,330014E+21	2,632188E+21	2,632280E+21	4,330285E+21	7,533454E+21
-227	1,152295E+22	1,522956E+22	1,752051E+22	1,752031E+22	1,522925E+22	1,152278E+22	7,533397E+21	4,330331E+21	2,632406E+21	2,632369E+21	4,330187E+21	7,533090E+21
-226	1,152237E+22	1,522907E+22	1,752058E+22	1,752079E+22	1,522960E+22	1,152296E+22	7,533555E+21	4,330526E+21	2,632624E+21	2,632579E+21	4,330386E+21	7,533378E+21
-225	1,152291E+22	1,522966E+22	1,752082E+22	1,752062E+22	1,522910E+22	1,152241E+22	7,533171E+21	4,330392E+21	2,632724E+21	2,632872E+21	4,330805E+21	7,533663E+21
-224	1,152266E+22	1,522874E+22	1,751946E+22	1,751966E+22	1,522897E+22	1,152272E+22	7,533625E+21	4,330834E+21	2,633025E+21	2,632977E+21	4,330691E+21	7,533383E+21
-223	1,152244E+22	1,522890E+22	1,751998E+22	1,752003E+22	1,522911E+22	1,152272E+22	7,533559E+21	4,330847E+21	2,633180E+21	2,633239E+21	4,331027E+21	7,533835E+21
-222	1,152293E+22	1,522910E+22	1,751974E+22	1,751934E+22	1,522829E+22	1,152232E+22	7,533578E+21	4,331009E+21	2,633369E+21	2,633438E+21	4,331160E+21	7,533685E+21
-221	1,152234E+22	1,522811E+22	1,751879E+22	1,751915E+22	1,522866E+22	1,152274E+22	7,534026E+21	4,331446E+21	2,633659E+21	2,633524E+21	4,331032E+21	7,533410E+21
-220	1,152225E+22	1,522866E+22	1,751966E+22	1,751965E+22	1,522868E+22	1,152242E+22	7,533609E+21	4,331189E+21	2,633642E+21	2,633723E+21	4,331450E+21	7,533979E+21
-219	1,152255E+22	1,522825E+22	1,751869E+22	1,751857E+22	1,522806E+22	1,152237E+22	7,533777E+21	4,331322E+21	2,633697E+21	2,633709E+21	4,331324E+21	7,533667E+21
-218	1,152207E+22	1,522772E+22	1,751852E+22	1,751896E+22	1,522857E+22	1,152275E+22	7,534028E+21	4,331436E+21	2,633683E+21	2,633596E+21	4,331180E+21	7,533708E+21
-217	1,152264E+22	1,522883E+22	1,751948E+22	1,751931E+22	1,522835E+22	1,152223E+22	7,533484E+21	4,331019E+21	2,633451E+21	2,633558E+21	4,331348E+21	7,533969E+21
-216	1,152267E+22	1,522846E+22	1,751883E+22	1,751872E+22	1,522824E+22	1,152245E+22	7,533734E+21	4,331126E+21	2,633358E+21	2,633274E+21	4,330882E+21	7,533411E+21
-215	1,152227E+22	1,522865E+22	1,751983E+22	1,751989E+22	1,522891E+22	1,152263E+22	7,533618E+21	4,330912E+21	2,633170E+21	2,633143E+21	4,330844E+21	7,533612E+21
-214	1,152283E+22	1,522927E+22	1,752023E+22	1,752001E+22	1,522869E+22	1,152229E+22	7,533312E+21	4,330633E+21	2,632950E+21	2,633031E+21	4,330845E+21	7,533542E+21
-213	1,152244E+22	1,522854E+22	1,751941E+22	1,751987E+22	1,522926E+22	1,152288E+22	7,533685E+21	4,330796E+21	2,632900E+21	2,632780E+21	4,330448E+21	7,533154E+21
-212	1,152233E+22	1,522915E+22	1,752055E+22	1,752067E+22	1,522956E+22	1,152283E+22	7,533380E+21	4,330468E+21	2,632709E+21	2,632758E+21	4,330652E+21	7,533685E+21
-211	1,152293E+22	1,522923E+22	1,752006E+22	1,751986E+22	1,522884E+22	1,152256E+22	7,533389E+21	4,330485E+21	2,632680E+21	2,632711E+21	4,330526E+21	7,533364E+21
-210	1,152247E+22	1,522869E+22	1,751971E+22	1,752004E+22	1,522924E+22	1,152294E+22	7,533765E+21	4,330778E+21	2,632822E+21	2,632697E+21	4,330386E+21	7,533208E+21
-209	1,152264E+22	1,522953E+22	1,752069E+22	1,752055E+22	1,522914E+22	1,152244E+22	7,533248E+21	4,330502E+21	2,632815E+21	2,632919E+21	4,330814E+21	7,533674E+21
-208	1,152272E+22	1,522899E+22	1,751970E+22	1,751949E+22	1,522864E+22	1,152245E+22	7,533454E+21	4,330741E+21	2,632993E+21	2,632991E+21	4,330726E+21	7,533368E+21
-207	1,152221E+22	1,522847E+22	1,751971E+22	1,751995E+22	1,522905E+22	1,152274E+22	7,533656E+21	4,330921E+21	2,633193E+21	2,633188E+21	4,330901E+21	7,533637E+21
-206	1,152275E+22	1,522901E+22	1,751980E+22	1,751964E+22	1,522849E+22	1,152224E+22	7,533397E+21	4,330873E+21	2,633313E+21	2,633459E+21	4,331279E+21	7,533898E+21
-205	1,152258E+22	1,522825E+22	1,751852E+22	1,751869E+22	1,522839E+22	1,152258E+22	7,533905E+21	4,331372E+21	2,633646E+21	2,633560E+21	4,331102E+21	7,533467E+21
-204	1,152213E+22	1,522834E+22	1,751926E+22	1,751927E+22	1,522855E+22	1,152256E+22	7,533844E+21	4,331415E+21	2,633824E+21	2,633829E+21	4,331452E+21	7,533958E+21
-203	1,152262E+22	1,522836E+22	1,751878E+22	1,751847E+22	1,522769E+22	1,152205E+22	7,533740E+21	4,331515E+21	2,634014E+21	2,634082E+21	4,331660E+21	7,533840E+21
-202	1,152204E+22	1,522741E+22	1,751782E+22	1,751818E+22	1,522802E+22	1,152255E+22	7,534237E+21	4,331923E+21	2,634256E+21	2,634137E+21	4,331545E+21	7,533626E+21
-201	1,152196E+22	1,522789E+22	1,751866E+22	1,751872E+22	1,522809E+22	1,152225E+22	7,533808E+21	4,331637E+21	2,634203E+21	2,634298E+21	4,331940E+21	7,534234E+21
-200	1,152244E+22	1,522775E+22	1,751786E+22	1,751765E+22	1,522740E+22	1,152210E+22	7,533888E+21	4,331697E+21	2,634182E+21	2,634205E+21	4,331740E+21	7,533898E+21
-199	1,152204E+22	1,522739E+22	1,751788E+22	1,751819E+22	1,522798E+22	1,152249E+22	7,534106E+21	4,331782E+21	2,634151E+21	2,634067E+21	4,331532E+21	7,533823E+21
-198	1,152248E+22	1,522841E+22	1,751885E+22	1,751860E+22	1,522782E+22	1,152203E+22	7,533640E+21	4,331416E+21	2,633935E+21	2,634029E+21	4,331700E+21	7,534070E+21
-197	1,152249E+22	1,522804E+22	1,751825E+22	1,751821E+22	1,522791E+22	1,152231E+22	7,533887E+21	4,331525E+21	2,633851E+21	2,633752E+21	4,331233E+21	7,533470E+21
-196	1,152193E+22	1,522802E+22	1,751918E+22	1,751940E+22	1,522865E+22	1,152257E+22	7,533796E+21	4,331312E+21	2,633659E+21	2,633615E+21	4,331232E+21	7,533809E+21
-195	1,152261E+22	1,522854E+22	1,751924E+22	1,751918E+22	1,522826E+22	1,152218E+22	7,533465E+21	4,331009E+21	2,633441E+21	2,633539E+21	4,331272E+21	7,533769E+21
-194	1,152236E+22	1,522805E+22	1,751852E+22	1,751886E+22	1,522859E+22	1,152273E+22	7,533926E+21	4,331225E+21	2,633401E+21	2,633283E+21	4,330861E+21	7,533347E+21
-193	1,152218E+22	1,522861E+22	1,751972E+22	1,751974E+22	1,522889E+22	1,152262E+22	7,533591E+21	4,330934E+21	2,633261E+21	2,633296E+21	4,331062E+21	7,533823E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-192	1,152278E+22	1,522886E+22	1,751944E+22	1,751904E+22	1,522815E+22	1,152222E+22	7,533482E+21	4,330897E+21	2,633223E+21	2,633260E+21	4,330960E+21	7,533522E+21
-191	1,152228E+22	1,522822E+22	1,751907E+22	1,751935E+22	1,522867E+22	1,152261E+22	7,533798E+21	4,331160E+21	2,633376E+21	2,633276E+21	4,330845E+21	7,533358E+21
-190	1,152235E+22	1,522881E+22	1,751977E+22	1,751973E+22	1,522865E+22	1,152227E+22	7,533403E+21	4,330934E+21	2,633383E+21	2,633505E+21	4,331310E+21	7,533924E+21
-189	1,152257E+22	1,522836E+22	1,751876E+22	1,751867E+22	1,522818E+22	1,152234E+22	7,533671E+21	4,331202E+21	2,633565E+21	2,633561E+21	4,331181E+21	7,533563E+21
-188	1,152200E+22	1,522785E+22	1,751884E+22	1,751912E+22	1,522854E+22	1,152263E+22	7,533928E+21	4,331443E+21	2,633789E+21	2,633747E+21	4,331338E+21	7,533857E+21
-187	1,152260E+22	1,522839E+22	1,751880E+22	1,751861E+22	1,522784E+22	1,152204E+22	7,533626E+21	4,331404E+21	2,633956E+21	2,634084E+21	4,331748E+21	7,534052E+21
-186	1,152239E+22	1,522776E+22	1,751772E+22	1,751767E+22	1,522761E+22	1,152236E+22	7,534185E+21	4,331934E+21	2,634310E+21	2,634212E+21	4,331599E+21	7,533595E+21
-185	1,152176E+22	1,522757E+22	1,751837E+22	1,751844E+22	1,522794E+22	1,152232E+22	7,534054E+21	4,331960E+21	2,634500E+21	2,634505E+21	4,331987E+21	7,534126E+21
-184	1,152231E+22	1,522767E+22	1,751785E+22	1,751757E+22	1,522709E+22	1,152179E+22	7,533839E+21	4,331943E+21	2,634609E+21	2,634708E+21	4,332201E+21	7,534118E+21
-183	1,152189E+22	1,522678E+22	1,751687E+22	1,751724E+22	1,522740E+22	1,152230E+22	7,534326E+21	4,332302E+21	2,634792E+21	2,634702E+21	4,332019E+21	7,533876E+21
-182	1,152185E+22	1,522728E+22	1,751768E+22	1,751772E+22	1,522745E+22	1,152206E+22	7,533999E+21	4,332064E+21	2,634718E+21	2,634806E+21	4,332352E+21	7,534456E+21
-181	1,152242E+22	1,522737E+22	1,751714E+22	1,751687E+22	1,522685E+22	1,152190E+22	7,534066E+21	4,332126E+21	2,634690E+21	2,634681E+21	4,332074E+21	7,533967E+21
-180	1,152182E+22	1,522697E+22	1,751740E+22	1,751767E+22	1,522754E+22	1,152231E+22	7,534280E+21	4,332209E+21	2,634654E+21	2,634534E+21	4,331878E+21	7,533929E+21
-179	1,152223E+22	1,522781E+22	1,751812E+22	1,751797E+22	1,522742E+22	1,152185E+22	7,533749E+21	4,331798E+21	2,634443E+21	2,634543E+21	4,332104E+21	7,534195E+21
-178	1,152224E+22	1,522748E+22	1,751751E+22	1,751744E+22	1,522745E+22	1,152224E+22	7,534089E+21	4,331905E+21	2,634330E+21	2,634251E+21	4,331653E+21	7,533647E+21
-177	1,152169E+22	1,522733E+22	1,751832E+22	1,751864E+22	1,522821E+22	1,152250E+22	7,534011E+21	4,331714E+21	2,634145E+21	2,634108E+21	4,331633E+21	7,533985E+21
-176	1,152251E+22	1,522809E+22	1,751844E+22	1,751831E+22	1,522766E+22	1,152196E+22	7,533590E+21	4,331371E+21	2,633901E+21	2,634005E+21	4,331651E+21	7,533956E+21
-175	1,152230E+22	1,522769E+22	1,751786E+22	1,751802E+22	1,522796E+22	1,152247E+22	7,534017E+21	4,331595E+21	2,633889E+21	2,633771E+21	4,331228E+21	7,533463E+21
-174	1,152200E+22	1,522810E+22	1,751900E+22	1,751893E+22	1,522827E+22	1,152237E+22	7,533750E+21	4,331368E+21	2,633795E+21	2,633825E+21	4,331478E+21	7,533965E+21
-173	1,152257E+22	1,522829E+22	1,751872E+22	1,751839E+22	1,522767E+22	1,152199E+22	7,533613E+21	4,331334E+21	2,633786E+21	2,633823E+21	4,331404E+21	7,533663E+21
-172	1,152199E+22	1,522755E+22	1,751829E+22	1,751869E+22	1,522826E+22	1,152248E+22	7,533959E+21	4,331596E+21	2,633938E+21	2,633841E+21	4,331330E+21	7,533629E+21
-171	1,152220E+22	1,522808E+22	1,751869E+22	1,751872E+22	1,522806E+22	1,152210E+22	7,533583E+21	4,331389E+21	2,633973E+21	2,634108E+21	4,331806E+21	7,534174E+21
-170	1,152250E+22	1,522786E+22	1,751786E+22	1,751757E+22	1,522743E+22	1,152217E+22	7,533951E+21	4,331722E+21	2,634180E+21	2,634168E+21	4,331651E+21	7,533741E+21
-169	1,152180E+22	1,522726E+22	1,751799E+22	1,751819E+22	1,522787E+22	1,152243E+22	7,534188E+21	4,332007E+21	2,634457E+21	2,634388E+21	4,331796E+21	7,533944E+21
-168	1,152233E+22	1,522786E+22	1,751804E+22	1,751775E+22	1,522716E+22	1,152174E+22	7,533777E+21	4,331907E+21	2,634604E+21	2,634732E+21	4,332246E+21	7,534193E+21
-167	1,152208E+22	1,522708E+22	1,751691E+22	1,751688E+22	1,522703E+22	1,152209E+22	7,534290E+21	4,332394E+21	2,634941E+21	2,634861E+21	4,332120E+21	7,533771E+21
-166	1,152142E+22	1,522669E+22	1,751727E+22	1,751748E+22	1,522740E+22	1,152219E+22	7,534266E+21	4,332434E+21	2,635101E+21	2,635125E+21	4,332518E+21	7,534392E+21
-165	1,152214E+22	1,522695E+22	1,751682E+22	1,751665E+22	1,522656E+22	1,152165E+22	7,534061E+21	4,332409E+21	2,635174E+21	2,635271E+21	4,332662E+21	7,534342E+21
-164	1,152176E+22	1,522622E+22	1,751603E+22	1,751639E+22	1,522685E+22	1,152214E+22	7,534530E+21	4,332757E+21	2,635326E+21	2,635212E+21	4,332437E+21	7,534110E+21
-163	1,152178E+22	1,522679E+22	1,751680E+22	1,751676E+22	1,522679E+22	1,152183E+22	7,534164E+21	4,332507E+21	2,635268E+21	2,635343E+21	4,332761E+21	7,534607E+21
-162	1,152230E+22	1,522703E+22	1,751658E+22	1,751608E+22	1,522618E+22	1,152168E+22	7,534261E+21	4,332563E+21	2,635226E+21	2,635214E+21	4,332486E+21	7,534081E+21
-161	1,152154E+22	1,522637E+22	1,751674E+22	1,751709E+22	1,522712E+22	1,152213E+22	7,534425E+21	4,332626E+21	2,635187E+21	2,635070E+21	4,332296E+21	7,534044E+21
-160	1,152199E+22	1,522727E+22	1,751737E+22	1,751728E+22	1,522700E+22	1,152170E+22	7,533836E+21	4,332122E+21	2,634902E+21	2,635033E+21	4,332524E+21	7,534404E+21
-159	1,152212E+22	1,522698E+22	1,751676E+22	1,751666E+22	1,522693E+22	1,152206E+22	7,534180E+21	4,332220E+21	2,634764E+21	2,634701E+21	4,332017E+21	7,533812E+21
-158	1,152156E+22	1,522676E+22	1,751742E+22	1,751773E+22	1,522764E+22	1,152237E+22	7,534217E+21	4,332111E+21	2,634605E+21	2,634554E+21	4,331978E+21	7,534116E+21
-157	1,152239E+22	1,522766E+22	1,751778E+22	1,751761E+22	1,522713E+22	1,152177E+22	7,533764E+21	4,331788E+21	2,634394E+21	2,634469E+21	4,331976E+21	7,534005E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-156	1,152205E+22	1,522721E+22	1,751731E+22	1,751746E+22	1,522746E+22	1,152225E+22	7,534158E+21	4,332016E+21	2,634405E+21	2,634270E+21	4,331621E+21	7,533599E+21
-155	1,152174E+22	1,522744E+22	1,751813E+22	1,751815E+22	1,522775E+22	1,152215E+22	7,533870E+21	4,331787E+21	2,634354E+21	2,634398E+21	4,331949E+21	7,534155E+21
-154	1,152237E+22	1,522772E+22	1,751789E+22	1,751750E+22	1,522708E+22	1,152186E+22	7,533821E+21	4,331766E+21	2,634344E+21	2,634405E+21	4,331901E+21	7,533894E+21
-153	1,152178E+22	1,522685E+22	1,751737E+22	1,751784E+22	1,522772E+22	1,152234E+22	7,534186E+21	4,332072E+21	2,634525E+21	2,634432E+21	4,331799E+21	7,533822E+21
-152	1,152209E+22	1,522762E+22	1,751781E+22	1,751776E+22	1,522741E+22	1,152189E+22	7,533751E+21	4,331844E+21	2,634554E+21	2,634693E+21	4,332268E+21	7,534366E+21
-151	1,152238E+22	1,522742E+22	1,751712E+22	1,751667E+22	1,522674E+22	1,152191E+22	7,534101E+21	4,332199E+21	2,634796E+21	2,634778E+21	4,332107E+21	7,533863E+21
-150	1,152152E+22	1,522658E+22	1,751709E+22	1,751731E+22	1,522724E+22	1,152223E+22	7,534425E+21	4,332545E+21	2,635110E+21	2,635036E+21	4,332308E+21	7,534103E+21
-149	1,152202E+22	1,522709E+22	1,751713E+22	1,751701E+22	1,522666E+22	1,152154E+22	7,533969E+21	4,332422E+21	2,635253E+21	2,635381E+21	4,332771E+21	7,534387E+21
-148	1,152177E+22	1,522628E+22	1,751593E+22	1,751604E+22	1,522651E+22	1,152195E+22	7,534494E+21	4,332874E+21	2,635544E+21	2,635477E+21	4,332666E+21	7,534093E+21
-147	1,152129E+22	1,522595E+22	1,751605E+22	1,751631E+22	1,522666E+22	1,152199E+22	7,534471E+21	4,332911E+21	2,635700E+21	2,635732E+21	4,333029E+21	7,534672E+21
-146	1,152212E+22	1,522652E+22	1,751592E+22	1,751552E+22	1,522574E+22	1,152144E+22	7,534304E+21	4,332894E+21	2,635754E+21	2,635841E+21	4,333111E+21	7,534529E+21
-145	1,152162E+22	1,522577E+22	1,751533E+22	1,751559E+22	1,522621E+22	1,152189E+22	7,534710E+21	4,333231E+21	2,635908E+21	2,635773E+21	4,332835E+21	7,534193E+21
-144	1,152161E+22	1,522644E+22	1,751621E+22	1,751607E+22	1,522620E+22	1,152153E+22	7,534240E+21	4,332895E+21	2,635794E+21	2,635874E+21	4,333169E+21	7,534717E+21
-143	1,152205E+22	1,522652E+22	1,751597E+22	1,751553E+22	1,522577E+22	1,152147E+22	7,534317E+21	4,332904E+21	2,635711E+21	2,635710E+21	4,332877E+21	7,534198E+21
-142	1,152125E+22	1,522567E+22	1,751587E+22	1,751639E+22	1,522674E+22	1,152208E+22	7,534618E+21	4,332993E+21	2,635642E+21	2,635535E+21	4,332685E+21	7,534203E+21
-141	1,152179E+22	1,522664E+22	1,751654E+22	1,751661E+22	1,522659E+22	1,152162E+22	7,534046E+21	4,332507E+21	2,635347E+21	2,635461E+21	4,332852E+21	7,534515E+21
-140	1,152194E+22	1,522648E+22	1,751603E+22	1,751597E+22	1,522647E+22	1,152196E+22	7,534387E+21	4,332617E+21	2,635215E+21	2,635132E+21	4,332367E+21	7,533970E+21
-139	1,152143E+22	1,522627E+22	1,751655E+22	1,751680E+22	1,522698E+22	1,152215E+22	7,534392E+21	4,332538E+21	2,635124E+21	2,635062E+21	4,332368E+21	7,534235E+21
-138	1,152222E+22	1,522725E+22	1,751713E+22	1,751679E+22	1,522645E+22	1,152153E+22	7,533947E+21	4,332229E+21	2,634944E+21	2,635023E+21	4,332425E+21	7,534156E+21
-137	1,152177E+22	1,522657E+22	1,751654E+22	1,751681E+22	1,522699E+22	1,152202E+22	7,534268E+21	4,332434E+21	2,634974E+21	2,634857E+21	4,332101E+21	7,533792E+21
-136	1,152158E+22	1,522690E+22	1,751725E+22	1,751731E+22	1,522719E+22	1,152193E+22	7,533951E+21	4,332148E+21	2,634877E+21	2,634961E+21	4,332445E+21	7,534435E+21
-135	1,152231E+22	1,522723E+22	1,751707E+22	1,751664E+22	1,522647E+22	1,152163E+22	7,533933E+21	4,332154E+21	2,634868E+21	2,634941E+21	4,332339E+21	7,534103E+21
-134	1,152167E+22	1,522631E+22	1,751646E+22	1,751689E+22	1,522708E+22	1,152219E+22	7,534434E+21	4,332556E+21	2,635096E+21	2,634990E+21	4,332229E+21	7,533960E+21
-133	1,152188E+22	1,522708E+22	1,751709E+22	1,751702E+22	1,522684E+22	1,152170E+22	7,533996E+21	4,332366E+21	2,635170E+21	2,635277E+21	4,332682E+21	7,534429E+21
-132	1,152203E+22	1,522678E+22	1,751637E+22	1,751602E+22	1,522624E+22	1,152173E+22	7,534323E+21	4,332721E+21	2,635428E+21	2,635403E+21	4,332614E+21	7,534038E+21
-131	1,152119E+22	1,522573E+22	1,751592E+22	1,751631E+22	1,522665E+22	1,152206E+22	7,534638E+21	4,333067E+21	2,635773E+21	2,635710E+21	4,332872E+21	7,534346E+21
-130	1,152178E+22	1,522638E+22	1,751606E+22	1,751591E+22	1,522596E+22	1,152141E+22	7,534239E+21	4,332937E+21	2,635891E+21	2,636032E+21	4,333328E+21	7,534673E+21
-129	1,152159E+22	1,522557E+22	1,751487E+22	1,751503E+22	1,522583E+22	1,152173E+22	7,534713E+21	4,333384E+21	2,636169E+21	2,636096E+21	4,333155E+21	7,534320E+21
-128	1,152125E+22	1,522554E+22	1,751516E+22	1,751527E+22	1,522589E+22	1,152168E+22	7,534606E+21	4,333356E+21	2,636272E+21	2,636306E+21	4,333487E+21	7,534874E+21
-127	1,152204E+22	1,522620E+22	1,751532E+22	1,751473E+22	1,522503E+22	1,152110E+22	7,534392E+21	4,333313E+21	2,636307E+21	2,636384E+21	4,333513E+21	7,534630E+21
-126	1,152137E+22	1,522523E+22	1,751463E+22	1,751492E+22	1,522569E+22	1,152169E+22	7,534875E+21	4,333667E+21	2,636453E+21	2,636317E+21	4,333260E+21	7,534303E+21
-125	1,152129E+22	1,522578E+22	1,751552E+22	1,751558E+22	1,522589E+22	1,152142E+22	7,534394E+21	4,333292E+21	2,636303E+21	2,636380E+21	4,333565E+21	7,534841E+21
-124	1,152177E+22	1,522584E+22	1,751516E+22	1,751493E+22	1,522545E+22	1,152142E+22	7,534505E+21	4,333273E+21	2,636166E+21	2,636177E+21	4,333286E+21	7,534414E+21
-123	1,152110E+22	1,522502E+22	1,751479E+22	1,751540E+22	1,522616E+22	1,152196E+22	7,534837E+21	4,333403E+21	2,636124E+21	2,636011E+21	4,333071E+21	7,534381E+21
-122	1,152168E+22	1,522623E+22	1,751575E+22	1,751564E+22	1,522590E+22	1,152146E+22	7,534279E+21	4,332939E+21	2,635847E+21	2,635940E+21	4,333216E+21	7,534630E+21
-121	1,152174E+22	1,522599E+22	1,751536E+22	1,751525E+22	1,522587E+22	1,152170E+22	7,534539E+21	4,333048E+21	2,635745E+21	2,635647E+21	4,332739E+21	7,534055E+21



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-120	1,152125E+22	1,522589E+22	1,751590E+22	1,751608E+22	1,522637E+22	1,152183E+22	7,534441E+21	4,332894E+21	2,635627E+21	2,635590E+21	4,332809E+21	7,534413E+21
-119	1,152202E+22	1,522676E+22	1,751646E+22	1,751614E+22	1,522597E+22	1,152128E+22	7,533981E+21	4,332558E+21	2,635429E+21	2,635534E+21	4,332861E+21	7,534361E+21
-118	1,152159E+22	1,522597E+22	1,751567E+22	1,751604E+22	1,522654E+22	1,152192E+22	7,534444E+21	4,332810E+21	2,635458E+21	2,635364E+21	4,332542E+21	7,534024E+21
-117	1,152145E+22	1,522635E+22	1,751646E+22	1,751663E+22	1,522672E+22	1,152180E+22	7,534161E+21	4,332572E+21	2,635382E+21	2,635450E+21	4,332820E+21	7,534582E+21
-116	1,152215E+22	1,522675E+22	1,751633E+22	1,751594E+22	1,522598E+22	1,152151E+22	7,534172E+21	4,332620E+21	2,635408E+21	2,635467E+21	4,332756E+21	7,534259E+21
-115	1,152147E+22	1,522575E+22	1,751552E+22	1,751591E+22	1,522639E+22	1,152200E+22	7,534696E+21	4,333100E+21	2,635736E+21	2,635612E+21	4,332705E+21	7,534086E+21
-114	1,152157E+22	1,522646E+22	1,751623E+22	1,751610E+22	1,522616E+22	1,152151E+22	7,534263E+21	4,332932E+21	2,635854E+21	2,635953E+21	4,333218E+21	7,534596E+21
-113	1,152166E+22	1,522595E+22	1,751535E+22	1,751517E+22	1,522569E+22	1,152153E+22	7,534528E+21	4,333260E+21	2,636119E+21	2,636105E+21	4,333183E+21	7,534288E+21
-112	1,152103E+22	1,522509E+22	1,751478E+22	1,751516E+22	1,522589E+22	1,152177E+22	7,534777E+21	4,333526E+21	2,636396E+21	2,636366E+21	4,333443E+21	7,534669E+21
-111	1,152170E+22	1,522583E+22	1,751507E+22	1,751483E+22	1,522516E+22	1,152108E+22	7,534365E+21	4,333393E+21	2,636483E+21	2,636622E+21	4,333806E+21	7,534909E+21
-110	1,152149E+22	1,522507E+22	1,751398E+22	1,751406E+22	1,522512E+22	1,152147E+22	7,534898E+21	4,333857E+21	2,636752E+21	2,636668E+21	4,333594E+21	7,534474E+21
-109	1,152105E+22	1,522506E+22	1,751455E+22	1,751464E+22	1,522532E+22	1,152142E+22	7,534770E+21	4,333824E+21	2,636847E+21	2,636853E+21	4,333873E+21	7,534936E+21
-108	1,152171E+22	1,522562E+22	1,751470E+22	1,751426E+22	1,522469E+22	1,152096E+22	7,534562E+21	4,333743E+21	2,636845E+21	2,636927E+21	4,333955E+21	7,534764E+21
-107	1,152104E+22	1,522449E+22	1,751364E+22	1,751411E+22	1,522526E+22	1,152161E+22	7,535083E+21	4,334102E+21	2,636998E+21	2,636871E+21	4,333718E+21	7,534481E+21
-106	1,152102E+22	1,522512E+22	1,751459E+22	1,751467E+22	1,522538E+22	1,152140E+22	7,534670E+21	4,333733E+21	2,636822E+21	2,636896E+21	4,333985E+21	7,535024E+21
-105	1,152156E+22	1,522518E+22	1,751422E+22	1,751410E+22	1,522495E+22	1,152130E+22	7,534725E+21	4,333711E+21	2,636680E+21	2,636675E+21	4,333662E+21	7,534576E+21
-104	1,152106E+22	1,522466E+22	1,751393E+22	1,751440E+22	1,522546E+22	1,152169E+22	7,534952E+21	4,333777E+21	2,636603E+21	2,636494E+21	4,333462E+21	7,534561E+21
-103	1,152159E+22	1,522590E+22	1,751516E+22	1,751489E+22	1,522523E+22	1,152110E+22	7,534341E+21	4,333305E+21	2,636325E+21	2,636414E+21	4,333589E+21	7,534766E+21
-102	1,152153E+22	1,522551E+22	1,751471E+22	1,751462E+22	1,522536E+22	1,152144E+22	7,534628E+21	4,333411E+21	2,636229E+21	2,636150E+21	4,333166E+21	7,534235E+21
-101	1,152102E+22	1,522533E+22	1,751528E+22	1,751558E+22	1,522600E+22	1,152164E+22	7,534534E+21	4,333239E+21	2,636096E+21	2,636072E+21	4,333212E+21	7,534605E+21
-100	1,152185E+22	1,522623E+22	1,751573E+22	1,751553E+22	1,522561E+22	1,152120E+22	7,534150E+21	4,332911E+21	2,635877E+21	2,636005E+21	4,333277E+21	7,534590E+21
-99	1,152149E+22	1,522543E+22	1,751468E+22	1,751507E+22	1,522595E+22	1,152180E+22	7,534687E+21	4,333263E+21	2,635986E+21	2,635880E+21	4,332943E+21	7,534185E+21
-98	1,152131E+22	1,522593E+22	1,751570E+22	1,751569E+22	1,522609E+22	1,152168E+22	7,534451E+21	4,333094E+21	2,635978E+21	2,636009E+21	4,333215E+21	7,534658E+21
-97	1,152185E+22	1,522615E+22	1,751556E+22	1,751519E+22	1,522542E+22	1,152129E+22	7,534405E+21	4,333169E+21	2,636066E+21	2,636096E+21	4,333198E+21	7,534344E+21
-96	1,152118E+22	1,522514E+22	1,751459E+22	1,751499E+22	1,522574E+22	1,152171E+22	7,534838E+21	4,333590E+21	2,636381E+21	2,636276E+21	4,333255E+21	7,534308E+21
-95	1,152128E+22	1,522574E+22	1,751528E+22	1,751520E+22	1,522552E+22	1,152122E+22	7,534381E+21	4,333393E+21	2,636473E+21	2,636589E+21	4,333759E+21	7,534855E+21
-94	1,152143E+22	1,522517E+22	1,751424E+22	1,751413E+22	1,522503E+22	1,152132E+22	7,534730E+21	4,333736E+21	2,636722E+21	2,636728E+21	4,333722E+21	7,534576E+21
-93	1,152089E+22	1,522447E+22	1,751388E+22	1,751427E+22	1,522524E+22	1,152153E+22	7,534962E+21	4,334000E+21	2,636980E+21	2,636939E+21	4,333893E+21	7,534874E+21
-92	1,152158E+22	1,522537E+22	1,751430E+22	1,751401E+22	1,522458E+22	1,152088E+22	7,534561E+21	4,333860E+21	2,637054E+21	2,637192E+21	4,334259E+21	7,535079E+21
-91	1,152130E+22	1,522454E+22	1,751312E+22	1,751313E+22	1,522445E+22	1,152125E+22	7,535117E+21	4,334371E+21	2,637375E+21	2,637278E+21	4,334062E+21	7,534613E+21
-90	1,152076E+22	1,522447E+22	1,751379E+22	1,751387E+22	1,522480E+22	1,152127E+22	7,534993E+21	4,334329E+21	2,637470E+21	2,637465E+21	4,334348E+21	7,535081E+21
-89	1,152137E+22	1,522483E+22	1,751376E+22	1,751355E+22	1,522431E+22	1,152086E+22	7,534762E+21	4,334209E+21	2,637436E+21	2,637519E+21	4,334420E+21	7,534968E+21
-88	1,152090E+22	1,522390E+22	1,751261E+22	1,751308E+22	1,522464E+22	1,152142E+22	7,535238E+21	4,334493E+21	2,637508E+21	2,637405E+21	4,334183E+21	7,534743E+21
-87	1,152093E+22	1,522463E+22	1,751375E+22	1,751372E+22	1,522469E+22	1,152112E+22	7,534799E+21	4,334122E+21	2,637298E+21	2,637360E+21	4,334348E+21	7,535182E+21
-86	1,152143E+22	1,522475E+22	1,751348E+22	1,751324E+22	1,522431E+22	1,152105E+22	7,534876E+21	4,334106E+21	2,637159E+21	2,637144E+21	4,334022E+21	7,534698E+21
-85	1,152087E+22	1,522426E+22	1,751346E+22	1,751384E+22	1,522492E+22	1,152140E+22	7,535040E+21	4,334145E+21	2,637072E+21	2,636949E+21	4,333798E+21	7,534646E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-84	1,152135E+22	1,522542E+22	1,751462E+22	1,751444E+22	1,522491E+22	1,152094E+22	7,534438E+21	4,333639E+21	2,636771E+21	2,636881E+21	4,333991E+21	7,534930E+21
-83	1,152131E+22	1,522491E+22	1,751388E+22	1,751387E+22	1,522494E+22	1,152133E+22	7,534789E+21	4,333785E+21	2,636709E+21	2,636644E+21	4,333585E+21	7,534441E+21
-82	1,152086E+22	1,522479E+22	1,751448E+22	1,751476E+22	1,522553E+22	1,152159E+22	7,534773E+21	4,333665E+21	2,636599E+21	2,636563E+21	4,333595E+21	7,534760E+21
-81	1,152167E+22	1,522565E+22	1,751490E+22	1,751479E+22	1,522519E+22	1,152110E+22	7,534391E+21	4,333382E+21	2,636426E+21	2,636524E+21	4,333642E+21	7,534715E+21
-80	1,152140E+22	1,522505E+22	1,751387E+22	1,751407E+22	1,522525E+22	1,152154E+22	7,534858E+21	4,333720E+21	2,636557E+21	2,636448E+21	4,333383E+21	7,534331E+21
-79	1,152106E+22	1,522539E+22	1,751498E+22	1,751486E+22	1,522540E+22	1,152135E+22	7,534598E+21	4,333584E+21	2,636586E+21	2,636605E+21	4,333669E+21	7,534779E+21
-78	1,152150E+22	1,522542E+22	1,751465E+22	1,751438E+22	1,522488E+22	1,152106E+22	7,534559E+21	4,333653E+21	2,636697E+21	2,636748E+21	4,333750E+21	7,534583E+21
-77	1,152089E+22	1,522437E+22	1,751366E+22	1,751415E+22	1,522517E+22	1,152147E+22	7,534975E+21	4,334039E+21	2,636984E+21	2,636898E+21	4,333785E+21	7,534593E+21
-76	1,152112E+22	1,522505E+22	1,751427E+22	1,751425E+22	1,522495E+22	1,152106E+22	7,534576E+21	4,333837E+21	2,637039E+21	2,637186E+21	4,334285E+21	7,535153E+21
-75	1,152135E+22	1,522458E+22	1,751316E+22	1,751296E+22	1,522425E+22	1,152109E+22	7,534957E+21	4,334250E+21	2,637341E+21	2,637337E+21	4,334204E+21	7,534793E+21
-74	1,152077E+22	1,522403E+22	1,751308E+22	1,751327E+22	1,522452E+22	1,152132E+22	7,535200E+21	4,334543E+21	2,637629E+21	2,637555E+21	4,334336E+21	7,534980E+21
-73	1,152129E+22	1,522476E+22	1,751355E+22	1,751330E+22	1,522408E+22	1,152068E+22	7,534776E+21	4,334399E+21	2,637716E+21	2,637829E+21	4,334708E+21	7,535185E+21
-72	1,152105E+22	1,522395E+22	1,751225E+22	1,751226E+22	1,522389E+22	1,152102E+22	7,535258E+21	4,334827E+21	2,637982E+21	2,637907E+21	4,334583E+21	7,534825E+21
-71	1,152050E+22	1,522378E+22	1,751291E+22	1,751305E+22	1,522427E+22	1,152107E+22	7,535154E+21	4,334764E+21	2,638020E+21	2,638019E+21	4,334803E+21	7,535282E+21
-70	1,152115E+22	1,522413E+22	1,751277E+22	1,751265E+22	1,522379E+22	1,152073E+22	7,534973E+21	4,334635E+21	2,637950E+21	2,638040E+21	4,334857E+21	7,535184E+21
-69	1,152075E+22	1,522337E+22	1,751186E+22	1,751227E+22	1,522405E+22	1,152121E+22	7,535399E+21	4,334891E+21	2,637984E+21	2,637864E+21	4,334538E+21	7,534896E+21
-68	1,152082E+22	1,522422E+22	1,751310E+22	1,751299E+22	1,522417E+22	1,152094E+22	7,534953E+21	4,334493E+21	2,637753E+21	2,637818E+21	4,334713E+21	7,535301E+21
-67	1,152124E+22	1,522427E+22	1,751277E+22	1,751245E+22	1,522371E+22	1,152081E+22	7,535027E+21	4,334522E+21	2,637669E+21	2,637649E+21	4,334421E+21	7,534835E+21
-66	1,152065E+22	1,522377E+22	1,751284E+22	1,751321E+22	1,522450E+22	1,152124E+22	7,535169E+21	4,334547E+21	2,637591E+21	2,637467E+21	4,334211E+21	7,534803E+21
-65	1,152112E+22	1,522477E+22	1,751383E+22	1,751381E+22	1,522459E+22	1,152085E+22	7,534595E+21	4,334031E+21	2,637280E+21	2,637391E+21	4,334387E+21	7,535127E+21
-64	1,152126E+22	1,522444E+22	1,751300E+22	1,751293E+22	1,522436E+22	1,152115E+22	7,534925E+21	4,334147E+21	2,637185E+21	2,637139E+21	4,334005E+21	7,534670E+21
-63	1,152079E+22	1,522437E+22	1,751376E+22	1,751392E+22	1,522490E+22	1,152133E+22	7,534916E+21	4,334073E+21	2,637091E+21	2,637033E+21	4,333938E+21	7,534860E+21
-62	1,152147E+22	1,522515E+22	1,751417E+22	1,751398E+22	1,522460E+22	1,152089E+22	7,534569E+21	4,333829E+21	2,636971E+21	2,637058E+21	4,334041E+21	7,534804E+21
-61	1,152109E+22	1,522448E+22	1,751328E+22	1,751342E+22	1,522470E+22	1,152129E+22	7,534998E+21	4,334163E+21	2,637122E+21	2,637010E+21	4,333818E+21	7,534458E+21
-60	1,152076E+22	1,522469E+22	1,751415E+22	1,751416E+22	1,522499E+22	1,152121E+22	7,534753E+21	4,334005E+21	2,637147E+21	2,637200E+21	4,334182E+21	7,534988E+21
-59	1,152123E+22	1,522462E+22	1,751354E+22	1,751333E+22	1,522427E+22	1,152091E+22	7,534781E+21	4,334138E+21	2,637305E+21	2,637373E+21	4,334289E+21	7,534873E+21
-58	1,152075E+22	1,522373E+22	1,751265E+22	1,751309E+22	1,522452E+22	1,152131E+22	7,535209E+21	4,334552E+21	2,637607E+21	2,637512E+21	4,334274E+21	7,534829E+21
-57	1,152100E+22	1,522444E+22	1,751329E+22	1,751328E+22	1,522433E+22	1,152087E+22	7,534815E+21	4,334376E+21	2,637687E+21	2,637803E+21	4,334734E+21	7,535343E+21
-56	1,152129E+22	1,522418E+22	1,751232E+22	1,751189E+22	1,522344E+22	1,152077E+22	7,535122E+21	4,334749E+21	2,637979E+21	2,637978E+21	4,334709E+21	7,534981E+21
-55	1,152056E+22	1,522351E+22	1,751240E+22	1,751248E+22	1,522383E+22	1,152096E+22	7,535345E+21	4,335050E+21	2,638265E+21	2,638181E+21	4,334814E+21	7,535108E+21
-54	1,152096E+22	1,522404E+22	1,751268E+22	1,751255E+22	1,522362E+22	1,152051E+22	7,534951E+21	4,334882E+21	2,638342E+21	2,638471E+21	4,335239E+21	7,535394E+21
-53	1,152075E+22	1,522322E+22	1,751141E+22	1,751148E+22	1,522339E+22	1,152088E+22	7,535428E+21	4,335256E+21	2,638540E+21	2,638477E+21	4,335060E+21	7,535064E+21
-52	1,152034E+22	1,522310E+22	1,751195E+22	1,751218E+22	1,522377E+22	1,152098E+22	7,535366E+21	4,335172E+21	2,638523E+21	2,638538E+21	4,335237E+21	7,535473E+21
-51	1,152101E+22	1,522356E+22	1,751180E+22	1,751160E+22	1,522309E+22	1,152054E+22	7,535200E+21	4,335102E+21	2,638488E+21	2,638555E+21	4,335254E+21	7,535340E+21
-50	1,152061E+22	1,522294E+22	1,751116E+22	1,751140E+22	1,522340E+22	1,152099E+22	7,535577E+21	4,335350E+21	2,638532E+21	2,638379E+21	4,334900E+21	7,534967E+21
-49	1,152056E+22	1,522365E+22	1,751243E+22	1,751238E+22	1,522373E+22	1,152075E+22	7,535107E+21	4,334929E+21	2,638297E+21	2,638342E+21	4,335092E+21	7,535415E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-48	1,152108E+22	1,522378E+22	1,751203E+22	1,751169E+22	1,522318E+22	1,152058E+22	7,535089E+21	4,334861E+21	2,638157E+21	2,638171E+21	4,334875E+21	7,535052E+21
-47	1,152049E+22	1,522322E+22	1,751211E+22	1,751250E+22	1,522399E+22	1,152102E+22	7,535272E+21	4,334887E+21	2,638040E+21	2,637929E+21	4,334595E+21	7,534984E+21
-46	1,152097E+22	1,522421E+22	1,751301E+22	1,751306E+22	1,522416E+22	1,152075E+22	7,534766E+21	4,334399E+21	2,637735E+21	2,637854E+21	4,334765E+21	7,535295E+21
-45	1,152112E+22	1,522401E+22	1,751240E+22	1,751221E+22	1,522383E+22	1,152097E+22	7,535071E+21	4,334520E+21	2,637644E+21	2,637587E+21	4,334342E+21	7,534790E+21
-44	1,152066E+22	1,522392E+22	1,751311E+22	1,751323E+22	1,522441E+22	1,152119E+22	7,535101E+21	4,334470E+21	2,637582E+21	2,637532E+21	4,334321E+21	7,534929E+21
-43	1,152117E+22	1,522453E+22	1,751338E+22	1,751316E+22	1,522400E+22	1,152069E+22	7,534770E+21	4,334312E+21	2,637557E+21	2,637640E+21	4,334506E+21	7,534962E+21
-42	1,152080E+22	1,522379E+22	1,751241E+22	1,751260E+22	1,522419E+22	1,152113E+22	7,535174E+21	4,334647E+21	2,637742E+21	2,637632E+21	4,334325E+21	7,534671E+21
-41	1,152052E+22	1,522391E+22	1,751309E+22	1,751324E+22	1,522448E+22	1,152110E+22	7,534977E+21	4,334496E+21	2,637767E+21	2,637822E+21	4,334683E+21	7,535264E+21
-40	1,152121E+22	1,522407E+22	1,751247E+22	1,751213E+22	1,522345E+22	1,152063E+22	7,534944E+21	4,334600E+21	2,637906E+21	2,637995E+21	4,334817E+21	7,535161E+21
-39	1,152071E+22	1,522329E+22	1,751183E+22	1,751209E+22	1,522370E+22	1,152095E+22	7,535360E+21	4,335046E+21	2,638216E+21	2,638103E+21	4,334718E+21	7,534981E+21
-38	1,152081E+22	1,522393E+22	1,751253E+22	1,751243E+22	1,522368E+22	1,152061E+22	7,534998E+21	4,334889E+21	2,638329E+21	2,638438E+21	4,335213E+21	7,535461E+21
-37	1,152097E+22	1,522358E+22	1,751172E+22	1,751126E+22	1,522289E+22	1,152052E+22	7,535269E+21	4,335228E+21	2,638600E+21	2,638600E+21	4,335195E+21	7,535133E+21
-36	1,152026E+22	1,522278E+22	1,751155E+22	1,751180E+22	1,522346E+22	1,152088E+22	7,535538E+21	4,335490E+21	2,638846E+21	2,638794E+21	4,335325E+21	7,535277E+21
-35	1,152063E+22	1,522321E+22	1,751158E+22	1,751155E+22	1,522306E+22	1,152045E+22	7,535235E+21	4,335387E+21	2,638941E+21	2,639070E+21	4,335737E+21	7,535630E+21
-34	1,152056E+22	1,522254E+22	1,751040E+22	1,751050E+22	1,522283E+22	1,152078E+22	7,535692E+21	4,335761E+21	2,639128E+21	2,639042E+21	4,335496E+21	7,535248E+21
-33	1,152019E+22	1,522249E+22	1,751098E+22	1,751123E+22	1,522318E+22	1,152083E+22	7,535604E+21	4,335666E+21	2,639101E+21	2,639080E+21	4,335624E+21	7,535618E+21
-32	1,152092E+22	1,522313E+22	1,751098E+22	1,751058E+22	1,522230E+22	1,152022E+22	7,535322E+21	4,335527E+21	2,639036E+21	2,639108E+21	4,335703E+21	7,535519E+21
-31	1,152044E+22	1,522249E+22	1,751056E+22	1,751074E+22	1,522276E+22	1,152060E+22	7,535626E+21	4,335733E+21	2,639041E+21	2,638896E+21	4,335319E+21	7,535123E+21
-30	1,152034E+22	1,522307E+22	1,751168E+22	1,751173E+22	1,522330E+22	1,152056E+22	7,535188E+21	4,335276E+21	2,638784E+21	2,638860E+21	4,335542E+21	7,535628E+21
-29	1,152089E+22	1,522325E+22	1,751141E+22	1,751107E+22	1,522274E+22	1,152043E+22	7,535186E+21	4,335162E+21	2,638574E+21	2,638612E+21	4,335258E+21	7,535271E+21
-28	1,152044E+22	1,522278E+22	1,751140E+22	1,751181E+22	1,522357E+22	1,152094E+22	7,535433E+21	4,335199E+21	2,638440E+21	2,638347E+21	4,334927E+21	7,535084E+21
-27	1,152081E+22	1,522376E+22	1,751224E+22	1,751219E+22	1,522358E+22	1,152063E+22	7,534998E+21	4,334830E+21	2,638224E+21	2,638312E+21	4,335090E+21	7,535361E+21
-26	1,152091E+22	1,522356E+22	1,751175E+22	1,751151E+22	1,522332E+22	1,152082E+22	7,535274E+21	4,334986E+21	2,638197E+21	2,638106E+21	4,334702E+21	7,534829E+21
-25	1,152033E+22	1,522324E+22	1,751229E+22	1,751257E+22	1,522400E+22	1,152106E+22	7,535311E+21	4,334956E+21	2,638175E+21	2,638104E+21	4,334749E+21	7,535062E+21
-24	1,152094E+22	1,522386E+22	1,751240E+22	1,751222E+22	1,522339E+22	1,152047E+22	7,534914E+21	4,334745E+21	2,638139E+21	2,638255E+21	4,335049E+21	7,535242E+21
-23	1,152064E+22	1,522315E+22	1,751149E+22	1,751168E+22	1,522348E+22	1,152084E+22	7,535322E+21	4,335090E+21	2,638306E+21	2,638214E+21	4,334820E+21	7,534925E+21
-22	1,152040E+22	1,522331E+22	1,751211E+22	1,751227E+22	1,522381E+22	1,152089E+22	7,535167E+21	4,334967E+21	2,638358E+21	2,638422E+21	4,335179E+21	7,535492E+21
-21	1,152108E+22	1,522364E+22	1,751178E+22	1,751126E+22	1,522275E+22	1,152036E+22	7,535090E+21	4,335053E+21	2,638489E+21	2,638576E+21	4,335273E+21	7,535342E+21
-20	1,152057E+22	1,522282E+22	1,751113E+22	1,751132E+22	1,522312E+22	1,152074E+22	7,535541E+21	4,335506E+21	2,638814E+21	2,638718E+21	4,335192E+21	7,535080E+21
-19	1,152048E+22	1,522324E+22	1,751167E+22	1,751162E+22	1,522311E+22	1,152044E+22	7,535237E+21	4,335438E+21	2,638999E+21	2,639101E+21	4,335742E+21	7,535646E+21
-18	1,152065E+22	1,522280E+22	1,751072E+22	1,751044E+22	1,522244E+22	1,152042E+22	7,535500E+21	4,335760E+21	2,639270E+21	2,639267E+21	4,335728E+21	7,535347E+21
-17	1,151999E+22	1,522192E+22	1,751036E+22	1,751083E+22	1,522297E+22	1,152084E+22	7,535835E+21	4,336023E+21	2,639482E+21	2,639418E+21	4,335823E+21	7,535530E+21
-16	1,152054E+22	1,522259E+22	1,751046E+22	1,751034E+22	1,522223E+22	1,152019E+22	7,535435E+21	4,335866E+21	2,639534E+21	2,639667E+21	4,336235E+21	7,535879E+21
-15	1,152047E+22	1,522207E+22	1,750955E+22	1,750948E+22	1,522195E+22	1,152039E+22	7,535834E+21	4,336222E+21	2,639688E+21	2,639586E+21	4,335907E+21	7,535382E+21
-14	1,152000E+22	1,522200E+22	1,751022E+22	1,751040E+22	1,522252E+22	1,152054E+22	7,535733E+21	4,336097E+21	2,639654E+21	2,639637E+21	4,336058E+21	7,535740E+21
-13	1,152066E+22	1,522266E+22	1,751045E+22	1,751000E+22	1,522179E+22	1,151993E+22	7,535370E+21	4,335871E+21	2,639520E+21	2,639611E+21	4,336120E+21	7,535693E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-12	1,152027E+22	1,522197E+22	1,750988E+22	1,751018E+22	1,522243E+22	1,152050E+22	7,535720E+21	4,336022E+21	2,639467E+21	2,639362E+21	4,335716E+21	7,535276E+21
-11	1,152013E+22	1,522249E+22	1,751086E+22	1,751098E+22	1,522286E+22	1,152050E+22	7,535407E+21	4,335659E+21	2,639235E+21	2,639306E+21	4,335908E+21	7,535805E+21
-10	1,152077E+22	1,522276E+22	1,751064E+22	1,751039E+22	1,522234E+22	1,152036E+22	7,535404E+21	4,335572E+21	2,639045E+21	2,639051E+21	4,335571E+21	7,535360E+21
-9	1,152027E+22	1,522230E+22	1,751062E+22	1,751108E+22	1,522313E+22	1,152088E+22	7,535693E+21	4,335651E+21	2,638948E+21	2,638812E+21	4,335245E+21	7,535150E+21
-8	1,152062E+22	1,522330E+22	1,751150E+22	1,751133E+22	1,522289E+22	1,152037E+22	7,535165E+21	4,335267E+21	2,638765E+21	2,638853E+21	4,335518E+21	7,535488E+21
-7	1,152064E+22	1,522300E+22	1,751105E+22	1,751083E+22	1,522268E+22	1,152048E+22	7,535386E+21	4,335420E+21	2,638753E+21	2,638674E+21	4,335172E+21	7,535011E+21
-6	1,152007E+22	1,522254E+22	1,751132E+22	1,751175E+22	1,522348E+22	1,152088E+22	7,535446E+21	4,335375E+21	2,638745E+21	2,638710E+21	4,335285E+21	7,535333E+21
-5	1,152075E+22	1,522327E+22	1,751155E+22	1,751134E+22	1,522276E+22	1,152024E+22	7,535036E+21	4,335131E+21	2,638662E+21	2,638808E+21	4,335543E+21	7,535552E+21
-4	1,152063E+22	1,522271E+22	1,751065E+22	1,751080E+22	1,522286E+22	1,152062E+22	7,535463E+21	4,335476E+21	2,638826E+21	2,638759E+21	4,335260E+21	7,535099E+21
-3	1,152026E+22	1,522284E+22	1,751128E+22	1,751130E+22	1,522309E+22	1,152066E+22	7,535398E+21	4,335481E+21	2,638966E+21	2,639005E+21	4,335615E+21	7,535623E+21
-2	1,152084E+22	1,522310E+22	1,751104E+22	1,751057E+22	1,522223E+22	1,152017E+22	7,535308E+21	4,335589E+21	2,639145E+21	2,639207E+21	4,335728E+21	7,535429E+21
-1	1,152022E+22	1,522210E+22	1,751022E+22	1,751060E+22	1,522270E+22	1,152065E+22	7,535802E+21	4,336055E+21	2,639486E+21	2,639372E+21	4,335694E+21	7,535244E+21
1	1,152017E+22	1,522244E+22	1,751055E+22	1,751057E+22	1,522246E+22	1,152028E+22	7,535467E+21	4,335951E+21	2,639652E+21	2,639772E+21	4,336311E+21	7,535914E+21
2	1,152044E+22	1,522207E+22	1,750966E+22	1,750944E+22	1,522171E+22	1,152017E+22	7,535728E+21	4,336268E+21	2,639881E+21	2,639882E+21	4,336238E+21	7,535598E+21
3	1,151984E+22	1,522127E+22	1,750923E+22	1,750974E+22	1,522226E+22	1,152062E+22	7,536050E+21	4,336519E+21	2,640088E+21	2,640022E+21	4,336314E+21	7,535739E+21
4	1,152037E+22	1,522213E+22	1,750971E+22	1,750939E+22	1,522146E+22	1,151987E+22	7,535568E+21	4,336298E+21	2,640082E+21	2,640213E+21	4,336672E+21	7,536068E+21
5	1,152035E+22	1,522166E+22	1,750893E+22	1,750877E+22	1,522132E+22	1,152009E+22	7,535923E+21	4,336597E+21	2,640204E+21	2,640125E+21	4,336330E+21	7,535487E+21
6	1,151971E+22	1,522144E+22	1,750950E+22	1,750970E+22	1,522198E+22	1,152031E+22	7,535879E+21	4,336527E+21	2,640197E+21	2,640179E+21	4,336503E+21	7,535922E+21
7	1,152043E+22	1,522205E+22	1,750965E+22	1,750941E+22	1,522149E+22	1,151985E+22	7,535526E+21	4,336265E+21	2,640033E+21	2,640122E+21	4,336526E+21	7,535867E+21
8	1,152009E+22	1,522138E+22	1,750899E+22	1,750945E+22	1,522209E+22	1,152049E+22	7,535966E+21	4,336434E+21	2,639949E+21	2,639824E+21	4,336074E+21	7,535452E+21
9	1,152004E+22	1,522203E+22	1,751000E+22	1,751004E+22	1,522222E+22	1,152032E+22	7,535607E+21	4,336071E+21	2,639721E+21	2,639776E+21	4,336271E+21	7,535944E+21
10	1,152062E+22	1,522236E+22	1,751000E+22	1,750964E+22	1,522167E+22	1,152007E+22	7,535569E+21	4,335995E+21	2,639541E+21	2,639526E+21	4,335911E+21	7,535423E+21
11	1,152001E+22	1,522177E+22	1,750988E+22	1,751037E+22	1,522260E+22	1,152067E+22	7,535846E+21	4,336078E+21	2,639486E+21	2,639356E+21	4,335676E+21	7,535252E+21
12	1,152027E+22	1,522272E+22	1,751085E+22	1,751069E+22	1,522239E+22	1,152012E+22	7,535245E+21	4,335628E+21	2,639267E+21	2,639383E+21	4,335982E+21	7,535713E+21
13	1,152046E+22	1,522241E+22	1,751022E+22	1,751010E+22	1,522224E+22	1,152033E+22	7,535489E+21	4,335748E+21	2,639233E+21	2,639205E+21	4,335638E+21	7,535236E+21
14	1,151990E+22	1,522194E+22	1,751039E+22	1,751082E+22	1,522287E+22	1,152072E+22	7,535665E+21	4,335819E+21	2,639277E+21	2,639244E+21	4,335740E+21	7,535594E+21
15	1,152069E+22	1,522279E+22	1,751066E+22	1,751050E+22	1,522223E+22	1,152007E+22	7,535238E+21	4,335601E+21	2,639229E+21	2,639350E+21	4,335946E+21	7,535709E+21
16	1,152050E+22	1,522224E+22	1,750982E+22	1,750995E+22	1,522231E+22	1,152049E+22	7,535724E+21	4,335993E+21	2,639432E+21	2,639329E+21	4,335677E+21	7,535235E+21
17	1,152004E+22	1,522230E+22	1,751047E+22	1,751040E+22	1,522236E+22	1,152036E+22	7,535591E+21	4,336002E+21	2,639616E+21	2,639652E+21	4,336125E+21	7,535790E+21
18	1,152054E+22	1,522242E+22	1,751020E+22	1,750980E+22	1,522159E+22	1,151987E+22	7,535483E+21	4,336109E+21	2,639804E+21	2,639874E+21	4,336269E+21	7,535631E+21
19	1,151991E+22	1,522129E+22	1,750908E+22	1,750962E+22	1,522216E+22	1,152053E+22	7,536031E+21	4,336566E+21	2,640145E+21	2,640057E+21	4,336279E+21	7,535507E+21
20	1,151991E+22	1,522176E+22	1,750955E+22	1,750952E+22	1,522176E+22	1,152005E+22	7,535656E+21	4,336415E+21	2,640243E+21	2,640378E+21	4,336824E+21	7,536194E+21
21	1,152036E+22	1,522155E+22	1,750872E+22	1,750843E+22	1,522100E+22	1,151992E+22	7,535888E+21	4,336707E+21	2,640447E+21	2,640457E+21	4,336682E+21	7,535749E+21
22	1,151965E+22	1,522076E+22	1,750838E+22	1,750873E+22	1,522148E+22	1,152033E+22	7,536256E+21	4,337030E+21	2,640692E+21	2,640599E+21	4,336749E+21	7,535881E+21
23	1,152013E+22	1,522157E+22	1,750895E+22	1,750872E+22	1,522097E+22	1,151964E+22	7,535724E+21	4,336774E+21	2,640677E+21	2,640785E+21	4,337092E+21	7,536176E+21
24	1,152006E+22	1,522103E+22	1,750814E+22	1,750814E+22	1,522098E+22	1,152000E+22	7,536116E+21	4,337039E+21	2,640758E+21	2,640668E+21	4,336767E+21	7,535678E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
25	1,151950E+22	1,522080E+22	1,750862E+22	1,750885E+22	1,522144E+22	1,152015E+22	7,536052E+21	4,336932E+21	2,640716E+21	2,640712E+21	4,336957E+21	7,536158E+21
26	1,152029E+22	1,522150E+22	1,750885E+22	1,750866E+22	1,522094E+22	1,151967E+22	7,535720E+21	4,336670E+21	2,640514E+21	2,640601E+21	4,336906E+21	7,536037E+21
27	1,151997E+22	1,522090E+22	1,750814E+22	1,750861E+22	1,522158E+22	1,152037E+22	7,536163E+21	4,336845E+21	2,640444E+21	2,640314E+21	4,336454E+21	7,535567E+21
28	1,151983E+22	1,522163E+22	1,750941E+22	1,750928E+22	1,522162E+22	1,152009E+22	7,535737E+21	4,336443E+21	2,640186E+21	2,640238E+21	4,336628E+21	7,536065E+21
29	1,152044E+22	1,522194E+22	1,750942E+22	1,750903E+22	1,522118E+22	1,151982E+22	7,535649E+21	4,336339E+21	2,640013E+21	2,640022E+21	4,336304E+21	7,535531E+21
30	1,151972E+22	1,522116E+22	1,750908E+22	1,750960E+22	1,522208E+22	1,152045E+22	7,535987E+21	4,336489E+21	2,640008E+21	2,639888E+21	4,336135E+21	7,535489E+21
31	1,152007E+22	1,522205E+22	1,750992E+22	1,750997E+22	1,522202E+22	1,152001E+22	7,535406E+21	4,336028E+21	2,639784E+21	2,639907E+21	4,336418E+21	7,535954E+21
32	1,152036E+22	1,522187E+22	1,750932E+22	1,750923E+22	1,522173E+22	1,152022E+22	7,535707E+21	4,336174E+21	2,639746E+21	2,639705E+21	4,336047E+21	7,535472E+21
33	1,151985E+22	1,522151E+22	1,750952E+22	1,750976E+22	1,522208E+22	1,152041E+22	7,535837E+21	4,336278E+21	2,639838E+21	2,639790E+21	4,336158E+21	7,535761E+21
34	1,152055E+22	1,522237E+22	1,751000E+22	1,750970E+22	1,522152E+22	1,151975E+22	7,535415E+21	4,336088E+21	2,639823E+21	2,639926E+21	4,336360E+21	7,535794E+21
35	1,152021E+22	1,522165E+22	1,750902E+22	1,750918E+22	1,522177E+22	1,152027E+22	7,535911E+21	4,336504E+21	2,640081E+21	2,639982E+21	4,336184E+21	7,535351E+21
36	1,151964E+22	1,522161E+22	1,750965E+22	1,750962E+22	1,522184E+22	1,152016E+22	7,535752E+21	4,336471E+21	2,640231E+21	2,640285E+21	4,336651E+21	7,536017E+21
37	1,152028E+22	1,522170E+22	1,750922E+22	1,750893E+22	1,522108E+22	1,151972E+22	7,535665E+21	4,336557E+21	2,640400E+21	2,640501E+21	4,336786E+21	7,535847E+21
38	1,151966E+22	1,522055E+22	1,750798E+22	1,750851E+22	1,522146E+22	1,152036E+22	7,536309E+21	4,337108E+21	2,640775E+21	2,640676E+21	4,336789E+21	7,535767E+21
39	1,151976E+22	1,522110E+22	1,750851E+22	1,750855E+22	1,522117E+22	1,151987E+22	7,535892E+21	4,336947E+21	2,640876E+21	2,640980E+21	4,337270E+21	7,536357E+21
40	1,152018E+22	1,522101E+22	1,750785E+22	1,750749E+22	1,522036E+22	1,151973E+22	7,536130E+21	4,337235E+21	2,641074E+21	2,641054E+21	4,337139E+21	7,535925E+21
41	1,151943E+22	1,522018E+22	1,750756E+22	1,750782E+22	1,522073E+22	1,151998E+22	7,536395E+21	4,337526E+21	2,641324E+21	2,641232E+21	4,337264E+21	7,536095E+21
42	1,151990E+22	1,522095E+22	1,750816E+22	1,750799E+22	1,522040E+22	1,151937E+22	7,535857E+21	4,337218E+21	2,641263E+21	2,641387E+21	4,337590E+21	7,536403E+21
43	1,151985E+22	1,522038E+22	1,750719E+22	1,750730E+22	1,522054E+22	1,151990E+22	7,536295E+21	4,337452E+21	2,641302E+21	2,641241E+21	4,337256E+21	7,535915E+21
44	1,151935E+22	1,522033E+22	1,750786E+22	1,750800E+22	1,522086E+22	1,151997E+22	7,536202E+21	4,337297E+21	2,641177E+21	2,641180E+21	4,337342E+21	7,536364E+21
45	1,152024E+22	1,522113E+22	1,750816E+22	1,750788E+22	1,522040E+22	1,151947E+22	7,535843E+21	4,337018E+21	2,640961E+21	2,641045E+21	4,337218E+21	7,536089E+21
46	1,151974E+22	1,522046E+22	1,750750E+22	1,750783E+22	1,522100E+22	1,152017E+22	7,536352E+21	4,337272E+21	2,640940E+21	2,640786E+21	4,336803E+21	7,535654E+21
47	1,151955E+22	1,522103E+22	1,750871E+22	1,750873E+22	1,522127E+22	1,151992E+22	7,535874E+21	4,336849E+21	2,640694E+21	2,640727E+21	4,336984E+21	7,536138E+21
48	1,152014E+22	1,522129E+22	1,750861E+22	1,750837E+22	1,522085E+22	1,151976E+22	7,535833E+21	4,336738E+21	2,640509E+21	2,640514E+21	4,336720E+21	7,535748E+21
49	1,151954E+22	1,522054E+22	1,750818E+22	1,750868E+22	1,522146E+22	1,152023E+22	7,536134E+21	4,336884E+21	2,640513E+21	2,640406E+21	4,336585E+21	7,535758E+21
50	1,152001E+22	1,522154E+22	1,750911E+22	1,750909E+22	1,522136E+22	1,151977E+22	7,535582E+21	4,336447E+21	2,640292E+21	2,640413E+21	4,336821E+21	7,536148E+21
51	1,152028E+22	1,522143E+22	1,750851E+22	1,750833E+22	1,522114E+22	1,152004E+22	7,535890E+21	4,336617E+21	2,640298E+21	2,640257E+21	4,336471E+21	7,535599E+21
52	1,151965E+22	1,522114E+22	1,750895E+22	1,750896E+22	1,522142E+22	1,152013E+22	7,535964E+21	4,336704E+21	2,640388E+21	2,640340E+21	4,336578E+21	7,535888E+21
53	1,152031E+22	1,522186E+22	1,750935E+22	1,750905E+22	1,522103E+22	1,151950E+22	7,535518E+21	4,336519E+21	2,640411E+21	2,640530E+21	4,336821E+21	7,535902E+21
54	1,151984E+22	1,522089E+22	1,750810E+22	1,750834E+22	1,522127E+22	1,152012E+22	7,536127E+21	4,337017E+21	2,640725E+21	2,640634E+21	4,336733E+21	7,535609E+21
55	1,151938E+22	1,522072E+22	1,750851E+22	1,750874E+22	1,522141E+22	1,152008E+22	7,536002E+21	4,336987E+21	2,640869E+21	2,640919E+21	4,337158E+21	7,536251E+21
56	1,152010E+22	1,522100E+22	1,750812E+22	1,750786E+22	1,522048E+22	1,151963E+22	7,535967E+21	4,337102E+21	2,641030E+21	2,641109E+21	4,337284E+21	7,536115E+21
57	1,151954E+22	1,521997E+22	1,750696E+22	1,750728E+22	1,522054E+22	1,152001E+22	7,536513E+21	4,337652E+21	2,641432E+21	2,641315E+21	4,337290E+21	7,535983E+21
58	1,151961E+22	1,522056E+22	1,750770E+22	1,750759E+22	1,522034E+22	1,151951E+22	7,536074E+21	4,337469E+21	2,641525E+21	2,641620E+21	4,337754E+21	7,536506E+21
59	1,151993E+22	1,522040E+22	1,750701E+22	1,750666E+22	1,521979E+22	1,151948E+22	7,536274E+21	4,337714E+21	2,641712E+21	2,641711E+21	4,337671E+21	7,536099E+21
60	1,151916E+22	1,521960E+22	1,750680E+22	1,750704E+22	1,522020E+22	1,151975E+22	7,536492E+21	4,337918E+21	2,641871E+21	2,641808E+21	4,337756E+21	7,536349E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
61	1,151977E+22	1,522040E+22	1,750737E+22	1,750725E+22	1,521998E+22	1,151924E+22	7,535987E+21	4,337584E+21	2,641759E+21	2,641904E+21	4,338005E+21	7,536581E+21
62	1,151969E+22	1,521982E+22	1,750635E+22	1,750642E+22	1,522000E+22	1,151978E+22	7,536525E+21	4,337891E+21	2,641805E+21	2,641725E+21	4,337639E+21	7,536090E+21
63	1,151921E+22	1,521976E+22	1,750705E+22	1,750728E+22	1,522045E+22	1,151987E+22	7,536420E+21	4,337731E+21	2,641674E+21	2,641637E+21	4,337645E+21	7,536402E+21
64	1,152001E+22	1,522067E+22	1,750752E+22	1,750719E+22	1,521993E+22	1,151936E+22	7,536063E+21	4,337453E+21	2,641458E+21	2,641510E+21	4,337568E+21	7,536182E+21
65	1,151946E+22	1,521987E+22	1,750676E+22	1,750701E+22	1,522034E+22	1,151986E+22	7,536466E+21	4,337691E+21	2,641473E+21	2,641320E+21	4,337240E+21	7,535831E+21
66	1,151933E+22	1,522038E+22	1,750789E+22	1,750797E+22	1,522075E+22	1,151972E+22	7,536003E+21	4,337233E+21	2,641208E+21	2,641263E+21	4,337434E+21	7,536357E+21
67	1,151999E+22	1,522068E+22	1,750769E+22	1,750748E+22	1,522034E+22	1,151962E+22	7,535981E+21	4,337118E+21	2,641017E+21	2,641052E+21	4,337182E+21	7,535980E+21
68	1,151948E+22	1,522015E+22	1,750746E+22	1,750780E+22	1,522080E+22	1,151996E+22	7,536228E+21	4,337238E+21	2,640980E+21	2,640883E+21	4,336977E+21	7,535970E+21
69	1,151999E+22	1,522123E+22	1,750850E+22	1,750834E+22	1,522078E+22	1,151950E+22	7,535668E+21	4,336821E+21	2,640789E+21	2,640904E+21	4,337164E+21	7,536205E+21
70	1,152004E+22	1,522096E+22	1,750789E+22	1,750760E+22	1,522057E+22	1,151982E+22	7,536071E+21	4,337083E+21	2,640866E+21	2,640812E+21	4,336891E+21	7,535707E+21
71	1,151933E+22	1,522041E+22	1,750816E+22	1,750840E+22	1,522110E+22	1,152001E+22	7,536157E+21	4,337182E+21	2,640988E+21	2,640929E+21	4,337015E+21	7,535978E+21
72	1,151995E+22	1,522109E+22	1,750841E+22	1,750827E+22	1,522066E+22	1,151950E+22	7,535792E+21	4,337019E+21	2,641018E+21	2,641136E+21	4,337333E+21	7,536147E+21
73	1,151958E+22	1,522009E+22	1,750699E+22	1,750722E+22	1,522054E+22	1,151993E+22	7,536380E+21	4,337551E+21	2,641371E+21	2,641286E+21	4,337285E+21	7,535914E+21
74	1,151927E+22	1,522003E+22	1,750741E+22	1,750760E+22	1,522064E+22	1,151986E+22	7,536258E+21	4,337527E+21	2,641518E+21	2,641561E+21	4,337667E+21	7,536481E+21
75	1,151998E+22	1,522041E+22	1,750709E+22	1,750673E+22	1,521972E+22	1,151938E+22	7,536187E+21	4,337643E+21	2,641700E+21	2,641778E+21	4,337812E+21	7,536305E+21
76	1,151938E+22	1,521954E+22	1,750624E+22	1,750633E+22	1,521971E+22	1,151960E+22	7,536612E+21	4,338119E+21	2,642051E+21	2,641945E+21	4,337799E+21	7,536199E+21
77	1,151944E+22	1,522004E+22	1,750699E+22	1,750685E+22	1,521974E+22	1,151918E+22	7,536134E+21	4,337899E+21	2,642129E+21	2,642241E+21	4,338244E+21	7,536669E+21
78	1,151965E+22	1,521972E+22	1,750616E+22	1,750587E+22	1,521929E+22	1,151933E+22	7,536450E+21	4,338168E+21	2,642300E+21	2,642316E+21	4,338186E+21	7,536362E+21
79	1,151899E+22	1,521889E+22	1,750586E+22	1,750630E+22	1,521982E+22	1,151968E+22	7,536705E+21	4,338351E+21	2,642408E+21	2,642335E+21	4,338156E+21	7,536497E+21
80	1,151961E+22	1,521986E+22	1,750649E+22	1,750638E+22	1,521951E+22	1,151921E+22	7,536267E+21	4,338045E+21	2,642271E+21	2,642380E+21	4,338367E+21	7,536718E+21
81	1,151950E+22	1,521930E+22	1,750556E+22	1,750548E+22	1,521927E+22	1,151953E+22	7,536721E+21	4,338355E+21	2,642348E+21	2,642236E+21	4,338010E+21	7,536193E+21
82	1,151899E+22	1,521921E+22	1,750632E+22	1,750651E+22	1,521982E+22	1,151963E+22	7,536597E+21	4,338172E+21	2,642214E+21	2,642163E+21	4,338026E+21	7,536460E+21
83	1,151969E+22	1,522000E+22	1,750671E+22	1,750647E+22	1,521946E+22	1,151919E+22	7,536205E+21	4,337862E+21	2,641993E+21	2,642065E+21	4,338025E+21	7,536327E+21
84	1,151921E+22	1,521933E+22	1,750603E+22	1,750625E+22	1,521978E+22	1,151961E+22	7,536523E+21	4,338007E+21	2,641930E+21	2,641814E+21	4,337686E+21	7,536094E+21
85	1,151927E+22	1,521991E+22	1,750713E+22	1,750722E+22	1,522023E+22	1,151951E+22	7,536076E+21	4,337548E+21	2,641648E+21	2,641723E+21	4,337813E+21	7,536539E+21
86	1,151990E+22	1,522024E+22	1,750694E+22	1,750668E+22	1,521980E+22	1,151945E+22	7,536147E+21	4,337504E+21	2,641488E+21	2,641521E+21	4,337565E+21	7,536171E+21
87	1,151940E+22	1,521969E+22	1,750677E+22	1,750716E+22	1,522037E+22	1,151983E+22	7,536398E+21	4,337642E+21	2,641477E+21	2,641355E+21	4,337301E+21	7,536017E+21
88	1,151977E+22	1,522079E+22	1,750790E+22	1,750771E+22	1,522034E+22	1,151941E+22	7,535900E+21	4,337281E+21	2,641328E+21	2,641421E+21	4,337566E+21	7,536319E+21
89	1,151972E+22	1,522028E+22	1,750709E+22	1,750681E+22	1,521997E+22	1,151957E+22	7,536242E+21	4,337574E+21	2,641485E+21	2,641434E+21	4,337404E+21	7,535924E+21
90	1,151908E+22	1,521962E+22	1,750713E+22	1,750750E+22	1,522055E+22	1,151990E+22	7,536393E+21	4,337675E+21	2,641617E+21	2,641577E+21	4,337553E+21	7,536214E+21
91	1,151974E+22	1,522033E+22	1,750727E+22	1,750718E+22	1,522003E+22	1,151938E+22	7,536052E+21	4,337535E+21	2,641660E+21	2,641797E+21	4,337887E+21	7,536405E+21
92	1,151948E+22	1,521959E+22	1,750603E+22	1,750606E+22	1,521966E+22	1,151959E+22	7,536535E+21	4,338027E+21	2,641978E+21	2,641898E+21	4,337785E+21	7,536168E+21
93	1,151923E+22	1,521962E+22	1,750661E+22	1,750662E+22	1,521984E+22	1,151950E+22	7,536366E+21	4,338001E+21	2,642140E+21	2,642172E+21	4,338114E+21	7,536593E+21
94	1,151974E+22	1,521987E+22	1,750633E+22	1,750587E+22	1,521902E+22	1,151907E+22	7,536344E+21	4,338151E+21	2,642345E+21	2,642420E+21	4,338318E+21	7,536476E+21
95	1,151909E+22	1,521880E+22	1,750539E+22	1,750571E+22	1,521931E+22	1,151943E+22	7,536765E+21	4,338589E+21	2,642668E+21	2,642558E+21	4,338269E+21	7,536339E+21
96	1,151915E+22	1,521935E+22	1,750611E+22	1,750611E+22	1,521936E+22	1,151917E+22	7,536391E+21	4,338374E+21	2,642704E+21	2,642816E+21	4,338732E+21	7,536899E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
97	1,151940E+22	1,521899E+22	1,750518E+22	1,750491E+22	1,521864E+22	1,151916E+22	7,536693E+21	4,338664E+21	2,642891E+21	2,642897E+21	4,338657E+21	7,536591E+21
98	1,151886E+22	1,521827E+22	1,750489E+22	1,750534E+22	1,521921E+22	1,151957E+22	7,536976E+21	4,338839E+21	2,642981E+21	2,642889E+21	4,338564E+21	7,536605E+21
99	1,151939E+22	1,521931E+22	1,750563E+22	1,750545E+22	1,521889E+22	1,151906E+22	7,536502E+21	4,338525E+21	2,642847E+21	2,642944E+21	4,338784E+21	7,536799E+21
100	1,151926E+22	1,521885E+22	1,750489E+22	1,750468E+22	1,521855E+22	1,151918E+22	7,536806E+21	4,338750E+21	2,642869E+21	2,642768E+21	4,338445E+21	7,536366E+21
101	1,151881E+22	1,521867E+22	1,750558E+22	1,750584E+22	1,521930E+22	1,151934E+22	7,536618E+21	4,338516E+21	2,642713E+21	2,642682E+21	4,338456E+21	7,536628E+21
102	1,151946E+22	1,521937E+22	1,750585E+22	1,750571E+22	1,521899E+22	1,151903E+22	7,536328E+21	4,338215E+21	2,642469E+21	2,642572E+21	4,338490E+21	7,536619E+21
103	1,151915E+22	1,521876E+22	1,750519E+22	1,750557E+22	1,521937E+22	1,151949E+22	7,536663E+21	4,338343E+21	2,642364E+21	2,642253E+21	4,338040E+21	7,536272E+21
104	1,151923E+22	1,521958E+22	1,750647E+22	1,750646E+22	1,521974E+22	1,151942E+22	7,536290E+21	4,337937E+21	2,642090E+21	2,642145E+21	4,338148E+21	7,536675E+21
105	1,151975E+22	1,521984E+22	1,750632E+22	1,750590E+22	1,521912E+22	1,151919E+22	7,536313E+21	4,337937E+21	2,642010E+21	2,642019E+21	4,337928E+21	7,536268E+21
106	1,151919E+22	1,521919E+22	1,750610E+22	1,750648E+22	1,521985E+22	1,151966E+22	7,536596E+21	4,338093E+21	2,642040E+21	2,641911E+21	4,337706E+21	7,536063E+21
107	1,151940E+22	1,522008E+22	1,750703E+22	1,750698E+22	1,521993E+22	1,151933E+22	7,536120E+21	4,337757E+21	2,641931E+21	2,642035E+21	4,338054E+21	7,536463E+21
108	1,151944E+22	1,521965E+22	1,750619E+22	1,750594E+22	1,521935E+22	1,151937E+22	7,536401E+21	4,338004E+21	2,642053E+21	2,642030E+21	4,337926E+21	7,536216E+21
109	1,151898E+22	1,521901E+22	1,750612E+22	1,750652E+22	1,521988E+22	1,151965E+22	7,536550E+21	4,338130E+21	2,642198E+21	2,642161E+21	4,338025E+21	7,536418E+21
110	1,151957E+22	1,521972E+22	1,750628E+22	1,750615E+22	1,521931E+22	1,151916E+22	7,536278E+21	4,338044E+21	2,642273E+21	2,642405E+21	4,338388E+21	7,536642E+21
111	1,151935E+22	1,521903E+22	1,750520E+22	1,750523E+22	1,521900E+22	1,151933E+22	7,536703E+21	4,338512E+21	2,642591E+21	2,642495E+21	4,338224E+21	7,536278E+21
112	1,151898E+22	1,521911E+22	1,750587E+22	1,750583E+22	1,521922E+22	1,151927E+22	7,536575E+21	4,338515E+21	2,642766E+21	2,642792E+21	4,338617E+21	7,536764E+21
113	1,151940E+22	1,521913E+22	1,750542E+22	1,750503E+22	1,521839E+22	1,151880E+22	7,536501E+21	4,338663E+21	2,643012E+21	2,643094E+21	4,338876E+21	7,536735E+21
114	1,151888E+22	1,521805E+22	1,750433E+22	1,750477E+22	1,521878E+22	1,151934E+22	7,537003E+21	4,339079E+21	2,643303E+21	2,643209E+21	4,338799E+21	7,536563E+21
115	1,151893E+22	1,521864E+22	1,750503E+22	1,750509E+22	1,521879E+22	1,151910E+22	7,536686E+21	4,338894E+21	2,643325E+21	2,643434E+21	4,339219E+21	7,537095E+21
116	1,151928E+22	1,521852E+22	1,750430E+22	1,750391E+22	1,521786E+22	1,151887E+22	7,536863E+21	4,339117E+21	2,643449E+21	2,643450E+21	4,339092E+21	7,536775E+21
117	1,151874E+22	1,521784E+22	1,750412E+22	1,750449E+22	1,521852E+22	1,151925E+22	7,537084E+21	4,339267E+21	2,643528E+21	2,643420E+21	4,338947E+21	7,536660E+21
118	1,151907E+22	1,521872E+22	1,750487E+22	1,750472E+22	1,521833E+22	1,151883E+22	7,536645E+21	4,338947E+21	2,643383E+21	2,643486E+21	4,339229E+21	7,536960E+21
119	1,151899E+22	1,521816E+22	1,750410E+22	1,750411E+22	1,521818E+22	1,151902E+22	7,536908E+21	4,339103E+21	2,643348E+21	2,643259E+21	4,338846E+21	7,536526E+21
120	1,151862E+22	1,521814E+22	1,750481E+22	1,750513E+22	1,521889E+22	1,151928E+22	7,536815E+21	4,338879E+21	2,643152E+21	2,643133E+21	4,338867E+21	7,536868E+21
121	1,151933E+22	1,521884E+22	1,750502E+22	1,750488E+22	1,521839E+22	1,151883E+22	7,536497E+21	4,338611E+21	2,642944E+21	2,643038E+21	4,338877E+21	7,536848E+21
122	1,151913E+22	1,521838E+22	1,750444E+22	1,750475E+22	1,521883E+22	1,151937E+22	7,536866E+21	4,338744E+21	2,642849E+21	2,642723E+21	4,338383E+21	7,536362E+21
123	1,151906E+22	1,521919E+22	1,750582E+22	1,750573E+22	1,521920E+22	1,151928E+22	7,536514E+21	4,338384E+21	2,642621E+21	2,642659E+21	4,338514E+21	7,536725E+21
124	1,151951E+22	1,521943E+22	1,750574E+22	1,750525E+22	1,521850E+22	1,151888E+22	7,536414E+21	4,338340E+21	2,642539E+21	2,642556E+21	4,338360E+21	7,536419E+21
125	1,151895E+22	1,521862E+22	1,750532E+22	1,750581E+22	1,521939E+22	1,151943E+22	7,536686E+21	4,338499E+21	2,642596E+21	2,642480E+21	4,338167E+21	7,536219E+21
126	1,151908E+22	1,521933E+22	1,750603E+22	1,750611E+22	1,521942E+22	1,151921E+22	7,536323E+21	4,338203E+21	2,642499E+21	2,642626E+21	4,338570E+21	7,536737E+21
127	1,151928E+22	1,521893E+22	1,750516E+22	1,750507E+22	1,521878E+22	1,151919E+22	7,536603E+21	4,338459E+21	2,642614E+21	2,642586E+21	4,338369E+21	7,536415E+21
128	1,151887E+22	1,521855E+22	1,750525E+22	1,750555E+22	1,521920E+22	1,151946E+22	7,536794E+21	4,338630E+21	2,642778E+21	2,642726E+21	4,338482E+21	7,536603E+21
129	1,151934E+22	1,521915E+22	1,750542E+22	1,750516E+22	1,521848E+22	1,151881E+22	7,536454E+21	4,338579E+21	2,642932E+21	2,643046E+21	4,338882E+21	7,536822E+21
130	1,151911E+22	1,521841E+22	1,750433E+22	1,750437E+22	1,521839E+22	1,151911E+22	7,536894E+21	4,339022E+21	2,643257E+21	2,643169E+21	4,338746E+21	7,536421E+21
131	1,151864E+22	1,521837E+22	1,750490E+22	1,750498E+22	1,521871E+22	1,151915E+22	7,536807E+21	4,339037E+21	2,643436E+21	2,643476E+21	4,339167E+21	7,536974E+21
132	1,151917E+22	1,521848E+22	1,750445E+22	1,750410E+22	1,521774E+22	1,151858E+22	7,536678E+21	4,339126E+21	2,643619E+21	2,643724E+21	4,339415E+21	7,537030E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
133	1,151879E+22	1,521748E+22	1,750335E+22	1,750383E+22	1,521816E+22	1,151912E+22	7,537182E+21	4,339552E+21	2,643892E+21	2,643790E+21	4,339254E+21	7,536734E+21
134	1,151872E+22	1,521805E+22	1,750409E+22	1,750412E+22	1,521815E+22	1,151894E+22	7,536931E+21	4,339391E+21	2,643909E+21	2,644004E+21	4,339666E+21	7,537268E+21
135	1,151908E+22	1,521795E+22	1,750353E+22	1,750318E+22	1,521729E+22	1,151864E+22	7,537048E+21	4,339571E+21	2,643999E+21	2,643980E+21	4,339482E+21	7,536868E+21
136	1,151849E+22	1,521733E+22	1,750341E+22	1,750377E+22	1,521798E+22	1,151905E+22	7,537264E+21	4,339706E+21	2,644054E+21	2,643949E+21	4,339398E+21	7,536830E+21
137	1,151875E+22	1,521800E+22	1,750399E+22	1,750392E+22	1,521777E+22	1,151858E+22	7,536769E+21	4,339366E+21	2,643928E+21	2,644041E+21	4,339709E+21	7,537231E+21
138	1,151887E+22	1,521758E+22	1,750318E+22	1,750323E+22	1,521769E+22	1,151892E+22	7,537080E+21	4,339477E+21	2,643845E+21	2,643775E+21	4,339276E+21	7,536741E+21
139	1,151852E+22	1,521767E+22	1,750398E+22	1,750426E+22	1,521834E+22	1,151916E+22	7,537035E+21	4,339297E+21	2,643648E+21	2,643618E+21	4,339237E+21	7,537026E+21
140	1,151930E+22	1,521858E+22	1,750441E+22	1,750410E+22	1,521773E+22	1,151853E+22	7,536602E+21	4,338980E+21	2,643410E+21	2,643492E+21	4,339218E+21	7,536980E+21
141	1,151904E+22	1,521809E+22	1,750390E+22	1,750413E+22	1,521828E+22	1,151906E+22	7,536942E+21	4,339124E+21	2,643339E+21	2,643193E+21	4,338708E+21	7,536373E+21
142	1,151869E+22	1,521858E+22	1,750515E+22	1,750515E+22	1,521880E+22	1,151913E+22	7,536677E+21	4,338798E+21	2,643140E+21	2,643181E+21	4,338931E+21	7,536845E+21
143	1,151917E+22	1,521869E+22	1,750495E+22	1,750471E+22	1,521819E+22	1,151877E+22	7,536564E+21	4,338723E+21	2,643041E+21	2,643069E+21	4,338778E+21	7,536577E+21
144	1,151871E+22	1,521799E+22	1,750440E+22	1,750496E+22	1,521891E+22	1,151937E+22	7,536933E+21	4,338930E+21	2,643106E+21	2,643007E+21	4,338639E+21	7,536463E+21
145	1,151887E+22	1,521862E+22	1,750498E+22	1,750508E+22	1,521874E+22	1,151899E+22	7,536547E+21	4,338695E+21	2,643086E+21	2,643202E+21	4,339046E+21	7,537002E+21
146	1,151922E+22	1,521842E+22	1,750419E+22	1,750399E+22	1,521809E+22	1,151901E+22	7,536821E+21	4,338953E+21	2,643230E+21	2,643195E+21	4,338832E+21	7,536571E+21
147	1,151867E+22	1,521804E+22	1,750443E+22	1,750459E+22	1,521847E+22	1,151920E+22	7,537019E+21	4,339172E+21	2,643441E+21	2,643375E+21	4,338971E+21	7,536757E+21
148	1,151913E+22	1,521863E+22	1,750465E+22	1,750433E+22	1,521775E+22	1,151841E+22	7,536546E+21	4,339053E+21	2,643574E+21	2,643707E+21	4,339433E+21	7,537079E+21
149	1,151892E+22	1,521778E+22	1,750343E+22	1,750355E+22	1,521783E+22	1,151883E+22	7,536993E+21	4,339481E+21	2,643887E+21	2,643819E+21	4,339285E+21	7,536651E+21
150	1,151838E+22	1,521762E+22	1,750386E+22	1,750403E+22	1,521817E+22	1,151904E+22	7,537051E+21	4,339528E+21	2,644050E+21	2,644108E+21	4,339706E+21	7,537255E+21
151	1,151902E+22	1,521782E+22	1,750349E+22	1,750323E+22	1,521717E+22	1,151842E+22	7,536915E+21	4,339611E+21	2,644199E+21	2,644289E+21	4,339843E+21	7,537189E+21
152	1,151864E+22	1,521704E+22	1,750254E+22	1,750288E+22	1,521752E+22	1,151896E+22	7,537448E+21	4,340060E+21	2,644469E+21	2,644347E+21	4,339686E+21	7,536855E+21
153	1,151840E+22	1,521738E+22	1,750324E+22	1,750322E+22	1,521744E+22	1,151864E+22	7,537126E+21	4,339913E+21	2,644535E+21	2,644601E+21	4,340114E+21	7,537404E+21
154	1,151880E+22	1,521728E+22	1,750263E+22	1,750234E+22	1,521678E+22	1,151848E+22	7,537225E+21	4,340036E+21	2,644598E+21	2,644580E+21	4,339951E+21	7,537010E+21
155	1,151818E+22	1,521664E+22	1,750252E+22	1,750294E+22	1,521749E+22	1,151892E+22	7,537466E+21	4,340157E+21	2,644621E+21	2,644521E+21	4,339865E+21	7,537056E+21
156	1,151862E+22	1,521747E+22	1,750314E+22	1,750304E+22	1,521713E+22	1,151832E+22	7,536886E+21	4,339739E+21	2,644417E+21	2,644548E+21	4,340150E+21	7,537509E+21
157	1,151887E+22	1,521720E+22	1,750245E+22	1,750245E+22	1,521714E+22	1,151867E+22	7,537178E+21	4,339840E+21	2,644309E+21	2,644231E+21	4,339629E+21	7,536879E+21
158	1,151839E+22	1,521728E+22	1,750333E+22	1,750351E+22	1,521782E+22	1,151898E+22	7,537193E+21	4,339681E+21	2,644118E+21	2,644079E+21	4,339584E+21	7,537133E+21
159	1,151909E+22	1,521811E+22	1,750388E+22	1,750359E+22	1,521730E+22	1,151833E+22	7,536731E+21	4,339351E+21	2,643874E+21	2,643940E+21	4,339533E+21	7,537016E+21
160	1,151876E+22	1,521760E+22	1,750331E+22	1,750358E+22	1,521792E+22	1,151893E+22	7,537104E+21	4,339514E+21	2,643821E+21	2,643688E+21	4,339129E+21	7,536512E+21
161	1,151831E+22	1,521777E+22	1,750420E+22	1,750437E+22	1,521834E+22	1,151897E+22	7,536845E+21	4,339229E+21	2,643688E+21	2,643736E+21	4,339400E+21	7,537092E+21
162	1,151900E+22	1,521800E+22	1,750389E+22	1,750371E+22	1,521769E+22	1,151872E+22	7,536799E+21	4,339163E+21	2,643591E+21	2,643632E+21	4,339246E+21	7,536807E+21
163	1,151859E+22	1,521744E+22	1,750344E+22	1,750389E+22	1,521822E+22	1,151919E+22	7,537189E+21	4,339431E+21	2,643692E+21	2,643577E+21	4,339078E+21	7,536670E+21
164	1,151882E+22	1,521823E+22	1,750417E+22	1,750405E+22	1,521788E+22	1,151860E+22	7,536667E+21	4,339153E+21	2,643671E+21	2,643783E+21	4,339499E+21	7,537204E+21
165	1,151911E+22	1,521802E+22	1,750351E+22	1,750318E+22	1,521739E+22	1,151861E+22	7,536892E+21	4,339407E+21	2,643835E+21	2,643798E+21	4,339288E+21	7,536683E+21
166	1,151835E+22	1,521740E+22	1,750363E+22	1,750384E+22	1,521795E+22	1,151897E+22	7,537162E+21	4,339642E+21	2,644062E+21	2,644014E+21	4,339497E+21	7,536963E+21
167	1,151883E+22	1,521788E+22	1,750379E+22	1,750365E+22	1,521735E+22	1,151828E+22	7,536726E+21	4,339506E+21	2,644165E+21	2,644307E+21	4,339919E+21	7,537287E+21
168	1,151872E+22	1,521717E+22	1,750253E+22	1,750267E+22	1,521733E+22	1,151875E+22	7,537277E+21	4,339980E+21	2,644473E+21	2,644415E+21	4,339795E+21	7,536883E+21



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
169	1,151812E+22	1,521685E+22	1,750279E+22	1,750301E+22	1,521752E+22	1,151887E+22	7,537337E+21	4,340095E+21	2,644700E+21	2,644727E+21	4,340183E+21	7,537458E+21
170	1,151886E+22	1,521724E+22	1,750250E+22	1,750216E+22	1,521655E+22	1,151831E+22	7,537195E+21	4,340160E+21	2,644852E+21	2,644919E+21	4,340306E+21	7,537301E+21
171	1,151834E+22	1,521643E+22	1,750168E+22	1,750191E+22	1,521682E+22	1,151874E+22	7,537704E+21	4,340619E+21	2,645132E+21	2,644986E+21	4,340163E+21	7,537005E+21
172	1,151815E+22	1,521675E+22	1,750237E+22	1,750235E+22	1,521675E+22	1,151828E+22	7,537210E+21	4,340361E+21	2,645140E+21	2,645223E+21	4,340639E+21	7,537671E+21
173	1,151866E+22	1,521667E+22	1,750174E+22	1,750150E+22	1,521621E+22	1,151818E+22	7,537276E+21	4,340421E+21	2,645141E+21	2,645147E+21	4,340435E+21	7,537255E+21
174	1,151802E+22	1,521603E+22	1,750160E+22	1,750205E+22	1,521694E+22	1,151874E+22	7,537616E+21	4,340540E+21	2,645116E+21	2,645035E+21	4,340313E+21	7,537322E+21
175	1,151857E+22	1,521702E+22	1,750246E+22	1,750234E+22	1,521663E+22	1,151813E+22	7,537020E+21	4,340095E+21	2,644858E+21	2,644975E+21	4,340467E+21	7,537626E+21
176	1,151879E+22	1,521693E+22	1,750195E+22	1,750177E+22	1,521663E+22	1,151850E+22	7,537343E+21	4,340209E+21	2,644747E+21	2,644664E+21	4,339955E+21	7,536931E+21
177	1,151807E+22	1,521671E+22	1,750269E+22	1,750288E+22	1,521734E+22	1,151879E+22	7,537355E+21	4,340100E+21	2,644627E+21	2,644565E+21	4,339934E+21	7,537200E+21
178	1,151880E+22	1,521749E+22	1,750309E+22	1,750291E+22	1,521699E+22	1,151829E+22	7,536906E+21	4,339753E+21	2,644392E+21	2,644461E+21	4,339930E+21	7,537104E+21
179	1,151843E+22	1,521691E+22	1,750245E+22	1,750275E+22	1,521747E+22	1,151888E+22	7,537343E+21	4,339959E+21	2,644359E+21	2,644225E+21	4,339562E+21	7,536728E+21
180	1,151819E+22	1,521715E+22	1,750324E+22	1,750341E+22	1,521768E+22	1,151873E+22	7,536993E+21	4,339639E+21	2,644208E+21	2,644267E+21	4,339854E+21	7,537368E+21
181	1,151898E+22	1,521755E+22	1,750303E+22	1,750276E+22	1,521701E+22	1,151841E+22	7,536917E+21	4,339588E+21	2,644125E+21	2,644162E+21	4,339666E+21	7,536990E+21
182	1,151846E+22	1,521699E+22	1,750269E+22	1,750298E+22	1,521752E+22	1,151891E+22	7,537343E+21	4,339883E+21	2,644258E+21	2,644145E+21	4,339531E+21	7,536848E+21
183	1,151862E+22	1,521773E+22	1,750358E+22	1,750339E+22	1,521728E+22	1,151830E+22	7,536786E+21	4,339593E+21	2,644241E+21	2,644351E+21	4,339934E+21	7,537329E+21
184	1,151886E+22	1,521749E+22	1,750285E+22	1,750252E+22	1,521693E+22	1,151841E+22	7,537042E+21	4,339853E+21	2,644423E+21	2,644415E+21	4,339813E+21	7,536881E+21
185	1,151801E+22	1,521656E+22	1,750260E+22	1,750296E+22	1,521745E+22	1,151884E+22	7,537374E+21	4,340148E+21	2,644707E+21	2,644666E+21	4,340032E+21	7,537226E+21
186	1,151866E+22	1,521715E+22	1,750264E+22	1,750258E+22	1,521685E+22	1,151827E+22	7,537025E+21	4,340046E+21	2,644819E+21	2,644955E+21	4,340424E+21	7,537485E+21
187	1,151852E+22	1,521654E+22	1,750154E+22	1,750158E+22	1,521663E+22	1,151862E+22	7,537611E+21	4,340583E+21	2,645158E+21	2,645061E+21	4,340270E+21	7,537075E+21
188	1,151798E+22	1,521626E+22	1,750184E+22	1,750193E+22	1,521667E+22	1,151852E+22	7,537517E+21	4,340634E+21	2,645366E+21	2,645377E+21	4,340676E+21	7,537628E+21
189	1,151863E+22	1,521664E+22	1,750166E+22	1,750127E+22	1,521583E+22	1,151794E+22	7,537313E+21	4,340658E+21	2,645492E+21	2,645559E+21	4,340807E+21	7,537446E+21
190	1,151801E+22	1,521570E+22	1,750078E+22	1,750105E+22	1,521622E+22	1,151849E+22	7,537823E+21	4,341059E+21	2,645726E+21	2,645609E+21	4,340699E+21	7,537255E+21
191	1,151792E+22	1,521604E+22	1,750151E+22	1,750156E+22	1,521623E+22	1,151809E+22	7,537334E+21	4,340739E+21	2,645649E+21	2,645751E+21	4,341083E+21	7,537903E+21
192	1,151857E+22	1,521620E+22	1,750098E+22	1,750072E+22	1,521571E+22	1,151805E+22	7,537448E+21	4,340789E+21	2,645603E+21	2,645631E+21	4,340854E+21	7,537461E+21
193	1,151790E+22	1,521549E+22	1,750078E+22	1,750123E+22	1,521638E+22	1,151857E+22	7,537795E+21	4,340961E+21	2,645617E+21	2,645511E+21	4,340665E+21	7,537463E+21
194	1,151848E+22	1,521663E+22	1,750174E+22	1,750154E+22	1,521618E+22	1,151808E+22	7,537238E+21	4,340523E+21	2,645367E+21	2,645456E+21	4,340794E+21	7,537649E+21
195	1,151850E+22	1,521645E+22	1,750139E+22	1,750113E+22	1,521613E+22	1,151835E+22	7,537562E+21	4,340668E+21	2,645282E+21	2,645171E+21	4,340319E+21	7,537023E+21
196	1,151782E+22	1,521606E+22	1,750190E+22	1,750217E+22	1,521682E+22	1,151854E+22	7,537446E+21	4,340484E+21	2,645143E+21	2,645098E+21	4,340376E+21	7,537390E+21
197	1,151860E+22	1,521686E+22	1,750222E+22	1,750211E+22	1,521649E+22	1,151809E+22	7,537017E+21	4,340123E+21	2,644887E+21	2,644980E+21	4,340373E+21	7,537318E+21
198	1,151827E+22	1,521631E+22	1,750153E+22	1,750181E+22	1,521686E+22	1,151870E+22	7,537511E+21	4,340352E+21	2,644856E+21	2,644742E+21	4,340010E+21	7,536979E+21
199	1,151813E+22	1,521670E+22	1,750252E+22	1,750257E+22	1,521704E+22	1,151848E+22	7,537131E+21	4,340035E+21	2,644699E+21	2,644746E+21	4,340216E+21	7,537509E+21
200	1,151891E+22	1,521724E+22	1,750247E+22	1,750202E+22	1,521639E+22	1,151815E+22	7,537050E+21	4,339995E+21	2,644646E+21	2,644691E+21	4,340082E+21	7,537094E+21
201	1,151816E+22	1,521635E+22	1,750195E+22	1,750229E+22	1,521697E+22	1,151865E+22	7,537482E+21	4,340352E+21	2,644860E+21	2,644739E+21	4,339990E+21	7,536995E+21
202	1,151836E+22	1,521706E+22	1,750268E+22	1,750261E+22	1,521692E+22	1,151826E+22	7,536994E+21	4,340074E+21	2,644862E+21	2,644978E+21	4,340428E+21	7,537483E+21
203	1,151855E+22	1,521675E+22	1,750191E+22	1,750162E+22	1,521641E+22	1,151836E+22	7,537345E+21	4,340394E+21	2,645070E+21	2,645054E+21	4,340323E+21	7,537133E+21
204	1,151787E+22	1,521584E+22	1,750151E+22	1,750190E+22	1,521676E+22	1,151863E+22	7,537604E+21	4,340670E+21	2,645350E+21	2,645309E+21	4,340552E+21	7,537476E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
205	1,151856E+22	1,521659E+22	1,750166E+22	1,750151E+22	1,521611E+22	1,151800E+22	7,537229E+21	4,340578E+21	2,645466E+21	2,645590E+21	4,340910E+21	7,537648E+21
206	1,151829E+22	1,521592E+22	1,750061E+22	1,750053E+22	1,521584E+22	1,151835E+22	7,537822E+21	4,341115E+21	2,645814E+21	2,645717E+21	4,340793E+21	7,537265E+21
207	1,151771E+22	1,521560E+22	1,750105E+22	1,750112E+22	1,521599E+22	1,151819E+22	7,537643E+21	4,341105E+21	2,645977E+21	2,645991E+21	4,341166E+21	7,537803E+21
208	1,151840E+22	1,521602E+22	1,750084E+22	1,750048E+22	1,521527E+22	1,151770E+22	7,537424E+21	4,341074E+21	2,646066E+21	2,646173E+21	4,341347E+21	7,537689E+21
209	1,151776E+22	1,521492E+22	1,749974E+22	1,750013E+22	1,521565E+22	1,151830E+22	7,537984E+21	4,341494E+21	2,646293E+21	2,646190E+21	4,341193E+21	7,537539E+21
210	1,151787E+22	1,521552E+22	1,750053E+22	1,750058E+22	1,521571E+22	1,151804E+22	7,537567E+21	4,341183E+21	2,646189E+21	2,646280E+21	4,341486E+21	7,538054E+21
211	1,151844E+22	1,521579E+22	1,750029E+22	1,749988E+22	1,521511E+22	1,151791E+22	7,537701E+21	4,341269E+21	2,646147E+21	2,646129E+21	4,341194E+21	7,537569E+21
212	1,151778E+22	1,521506E+22	1,750012E+22	1,750047E+22	1,521575E+22	1,151829E+22	7,537920E+21	4,341379E+21	2,646143E+21	2,646019E+21	4,341025E+21	7,537523E+21
213	1,151823E+22	1,521613E+22	1,750110E+22	1,750093E+22	1,521569E+22	1,151783E+22	7,537348E+21	4,340923E+21	2,645877E+21	2,645964E+21	4,341174E+21	7,537706E+21
214	1,151813E+22	1,521576E+22	1,750060E+22	1,750047E+22	1,521571E+22	1,151823E+22	7,537708E+21	4,341047E+21	2,645779E+21	2,645693E+21	4,340771E+21	7,537223E+21
215	1,151758E+22	1,521539E+22	1,750108E+22	1,750145E+22	1,521634E+22	1,151840E+22	7,537593E+21	4,340835E+21	2,645594E+21	2,645565E+21	4,340777E+21	7,537591E+21
216	1,151850E+22	1,521637E+22	1,750145E+22	1,750133E+22	1,521596E+22	1,151794E+22	7,537184E+21	4,340483E+21	2,645341E+21	2,645459E+21	4,340792E+21	7,537517E+21
217	1,151815E+22	1,521578E+22	1,750069E+22	1,750093E+22	1,521623E+22	1,151849E+22	7,537672E+21	4,340775E+21	2,645378E+21	2,645253E+21	4,340410E+21	7,537155E+21
218	1,151805E+22	1,521631E+22	1,750175E+22	1,750171E+22	1,521649E+22	1,151835E+22	7,537331E+21	4,340493E+21	2,645264E+21	2,645295E+21	4,340618E+21	7,537590E+21
219	1,151864E+22	1,521674E+22	1,750185E+22	1,750136E+22	1,521585E+22	1,151796E+22	7,537251E+21	4,340492E+21	2,645256E+21	2,645284E+21	4,340541E+21	7,537280E+21
220	1,151796E+22	1,521567E+22	1,750104E+22	1,750148E+22	1,521640E+22	1,151839E+22	7,537590E+21	4,340795E+21	2,645471E+21	2,645373E+21	4,340520E+21	7,537241E+21
221	1,151818E+22	1,521638E+22	1,750167E+22	1,750168E+22	1,521633E+22	1,151808E+22	7,537191E+21	4,340547E+21	2,645466E+21	2,645601E+21	4,340947E+21	7,537721E+21
222	1,151837E+22	1,521608E+22	1,750089E+22	1,750059E+22	1,521572E+22	1,151819E+22	7,537590E+21	4,340903E+21	2,645691E+21	2,645685E+21	4,340847E+21	7,537379E+21
223	1,151772E+22	1,521527E+22	1,750062E+22	1,750090E+22	1,521600E+22	1,151837E+22	7,537809E+21	4,341173E+21	2,645961E+21	2,645904E+21	4,340998E+21	7,537607E+21
224	1,151835E+22	1,521609E+22	1,750091E+22	1,750065E+22	1,521541E+22	1,151773E+22	7,537408E+21	4,341064E+21	2,646087E+21	2,646220E+21	4,341402E+21	7,537765E+21
225	1,151793E+22	1,521515E+22	1,749967E+22	1,749967E+22	1,521519E+22	1,151807E+22	7,537977E+21	4,341623E+21	2,646468E+21	2,646369E+21	4,341312E+21	7,537458E+21
226	1,151746E+22	1,521489E+22	1,749998E+22	1,750018E+22	1,521550E+22	1,151810E+22	7,537853E+21	4,341596E+21	2,646605E+21	2,646623E+21	4,341672E+21	7,537994E+21
227	1,151814E+22	1,521534E+22	1,749992E+22	1,749959E+22	1,521471E+22	1,151758E+22	7,537687E+21	4,341579E+21	2,646667E+21	2,646758E+21	4,341821E+21	7,537962E+21
228	1,151770E+22	1,521434E+22	1,749878E+22	1,749918E+22	1,521498E+22	1,151805E+22	7,538143E+21	4,341938E+21	2,646853E+21	2,646748E+21	4,341639E+21	7,537753E+21
229	1,151781E+22	1,521512E+22	1,749978E+22	1,749972E+22	1,521507E+22	1,151781E+22	7,537751E+21	4,341630E+21	2,646725E+21	2,646802E+21	4,341874E+21	7,538153E+21
230	1,151821E+22	1,521532E+22	1,749964E+22	1,749916E+22	1,521451E+22	1,151770E+22	7,537880E+21	4,341700E+21	2,646679E+21	2,646661E+21	4,341607E+21	7,537674E+21
231	1,151748E+22	1,521452E+22	1,749951E+22	1,749990E+22	1,521527E+22	1,151805E+22	7,538027E+21	4,341755E+21	2,646634E+21	2,646515E+21	4,341417E+21	7,537627E+21
232	1,151794E+22	1,521554E+22	1,750037E+22	1,750033E+22	1,521532E+22	1,151769E+22	7,537453E+21	4,341252E+21	2,646343E+21	2,646470E+21	4,341617E+21	7,537889E+21
233	1,151787E+22	1,521501E+22	1,749960E+22	1,749963E+22	1,521521E+22	1,151810E+22	7,537879E+21	4,341428E+21	2,646264E+21	2,646190E+21	4,341205E+21	7,537487E+21
234	1,151756E+22	1,521491E+22	1,750010E+22	1,750049E+22	1,521582E+22	1,151833E+22	7,537820E+21	4,341254E+21	2,646088E+21	2,646047E+21	4,341154E+21	7,537748E+21
235	1,151839E+22	1,521600E+22	1,750077E+22	1,750049E+22	1,521531E+22	1,151775E+22	7,537408E+21	4,340948E+21	2,645873E+21	2,645952E+21	4,341155E+21	7,537675E+21
236	1,151805E+22	1,521536E+22	1,750000E+22	1,750016E+22	1,521555E+22	1,151814E+22	7,537758E+21	4,341183E+21	2,645923E+21	2,645800E+21	4,340830E+21	7,537284E+21
237	1,151785E+22	1,521584E+22	1,750108E+22	1,750104E+22	1,521592E+22	1,151806E+22	7,537435E+21	4,340910E+21	2,645816E+21	2,645862E+21	4,341067E+21	7,537714E+21
238	1,151832E+22	1,521605E+22	1,750099E+22	1,750061E+22	1,521536E+22	1,151781E+22	7,537417E+21	4,340918E+21	2,645823E+21	2,645880E+21	4,341050E+21	7,537506E+21
239	1,151773E+22	1,521501E+22	1,750016E+22	1,750066E+22	1,521585E+22	1,151825E+22	7,537788E+21	4,341229E+21	2,646017E+21	2,645931E+21	4,340980E+21	7,537445E+21
240	1,151802E+22	1,521582E+22	1,750078E+22	1,750080E+22	1,521575E+22	1,151793E+22	7,537415E+21	4,341012E+21	2,646042E+21	2,646186E+21	4,341413E+21	7,537884E+21

1 Longitude ☉	2	3	4	5	6	7	8	9	10	11	12	13
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
241	1,151813E+22	1,521541E+22	1,749988E+22	1,749959E+22	1,521502E+22	1,151798E+22	7,537846E+21	4,341450E+21	2,646339E+21	2,646310E+21	4,341328E+21	7,537555E+21
242	1,151753E+22	1,521470E+22	1,749963E+22	1,749990E+22	1,521534E+22	1,151819E+22	7,538071E+21	4,341739E+21	2,646639E+21	2,646561E+21	4,341490E+21	7,537715E+21
243	1,151798E+22	1,521539E+22	1,750005E+22	1,749981E+22	1,521477E+22	1,151749E+22	7,537637E+21	4,341632E+21	2,646780E+21	2,646894E+21	4,341943E+21	7,538015E+21
244	1,151771E+22	1,521437E+22	1,749858E+22	1,749869E+22	1,521453E+22	1,151777E+22	7,538084E+21	4,342089E+21	2,647117E+21	2,647048E+21	4,341892E+21	7,537763E+21
245	1,151734E+22	1,521427E+22	1,749896E+22	1,749916E+22	1,521480E+22	1,151785E+22	7,538036E+21	4,342064E+21	2,647203E+21	2,647239E+21	4,342190E+21	7,538251E+21
246	1,151802E+22	1,521479E+22	1,749900E+22	1,749864E+22	1,521404E+22	1,151738E+22	7,537896E+21	4,342050E+21	2,647246E+21	2,647337E+21	4,342290E+21	7,538175E+21
247	1,151758E+22	1,521394E+22	1,749812E+22	1,749839E+22	1,521434E+22	1,151779E+22	7,538297E+21	4,342366E+21	2,647382E+21	2,647261E+21	4,342015E+21	7,537841E+21
248	1,151758E+22	1,521469E+22	1,749922E+22	1,749912E+22	1,521457E+22	1,151761E+22	7,537896E+21	4,342027E+21	2,647240E+21	2,647325E+21	4,342266E+21	7,538203E+21
249	1,151783E+22	1,521459E+22	1,749883E+22	1,749853E+22	1,521410E+22	1,151755E+22	7,538042E+21	4,342115E+21	2,647205E+21	2,647189E+21	4,342033E+21	7,537828E+21
250	1,151724E+22	1,521385E+22	1,749850E+22	1,749908E+22	1,521493E+22	1,151805E+22	7,538249E+21	4,342163E+21	2,647138E+21	2,647022E+21	4,341829E+21	7,537783E+21
251	1,151769E+22	1,521490E+22	1,749950E+22	1,749953E+22	1,521484E+22	1,151762E+22	7,537708E+21	4,341689E+21	2,646840E+21	2,646945E+21	4,342013E+21	7,538148E+21
252	1,151785E+22	1,521451E+22	1,749868E+22	1,749869E+22	1,521454E+22	1,151781E+22	7,537990E+21	4,341811E+21	2,646754E+21	2,646680E+21	4,341604E+21	7,537697E+21
253	1,151753E+22	1,521461E+22	1,749940E+22	1,749960E+22	1,521509E+22	1,151803E+22	7,537966E+21	4,341663E+21	2,646586E+21	2,646539E+21	4,341531E+21	7,537868E+21
254	1,151820E+22	1,521560E+22	1,750019E+22	1,749982E+22	1,521470E+22	1,151747E+22	7,537534E+21	4,341356E+21	2,646397E+21	2,646484E+21	4,341582E+21	7,537816E+21
255	1,151780E+22	1,521488E+22	1,749942E+22	1,749957E+22	1,521505E+22	1,151786E+22	7,537822E+21	4,341548E+21	2,646429E+21	2,646325E+21	4,341260E+21	7,537437E+21
256	1,151760E+22	1,521526E+22	1,750034E+22	1,750040E+22	1,521553E+22	1,151794E+22	7,537566E+21	4,341274E+21	2,646332E+21	2,646417E+21	4,341532E+21	7,537898E+21
257	1,151805E+22	1,521530E+22	1,749996E+22	1,749973E+22	1,521485E+22	1,151771E+22	7,537654E+21	4,341381E+21	2,646391E+21	2,646451E+21	4,341519E+21	7,537740E+21
258	1,151762E+22	1,521446E+22	1,749908E+22	1,749961E+22	1,521529E+22	1,151817E+22	7,538094E+21	4,341770E+21	2,646636E+21	2,646519E+21	4,341413E+21	7,537565E+21
259	1,151774E+22	1,521525E+22	1,749994E+22	1,749988E+22	1,521507E+22	1,151774E+22	7,537713E+21	4,341604E+21	2,646712E+21	2,646803E+21	4,341865E+21	7,538048E+21
260	1,151789E+22	1,521473E+22	1,749892E+22	1,749863E+22	1,521425E+22	1,151761E+22	7,537989E+21	4,341981E+21	2,647025E+21	2,646997E+21	4,341869E+21	7,537744E+21
261	1,151726E+22	1,521404E+22	1,749869E+22	1,749895E+22	1,521463E+22	1,151788E+22	7,538236E+21	4,342253E+21	2,647303E+21	2,647245E+21	4,342062E+21	7,537946E+21
262	1,151768E+22	1,521462E+22	1,749901E+22	1,749885E+22	1,521414E+22	1,151728E+22	7,537823E+21	4,342115E+21	2,647416E+21	2,647563E+21	4,342529E+21	7,538323E+21
263	1,151755E+22	1,521378E+22	1,749768E+22	1,749776E+22	1,521387E+22	1,151753E+22	7,538242E+21	4,342521E+21	2,647681E+21	2,647632E+21	4,342383E+21	7,538025E+21
264	1,151728E+22	1,521382E+22	1,749817E+22	1,749832E+22	1,521422E+22	1,151766E+22	7,538201E+21	4,342488E+21	2,647753E+21	2,647799E+21	4,342624E+21	7,538407E+21
265	1,151783E+22	1,521424E+22	1,749815E+22	1,749780E+22	1,521347E+22	1,151721E+22	7,538119E+21	4,342532E+21	2,647820E+21	2,647890E+21	4,342703E+21	7,538308E+21
266	1,151739E+22	1,521346E+22	1,749733E+22	1,749764E+22	1,521389E+22	1,151768E+22	7,538535E+21	4,342855E+21	2,647958E+21	2,647811E+21	4,342415E+21	7,537903E+21
267	1,151719E+22	1,521402E+22	1,749847E+22	1,749848E+22	1,521414E+22	1,151747E+22	7,538116E+21	4,342507E+21	2,647806E+21	2,647862E+21	4,342693E+21	7,538399E+21
268	1,151759E+22	1,521383E+22	1,749780E+22	1,749765E+22	1,521357E+22	1,151734E+22	7,538164E+21	4,342506E+21	2,647729E+21	2,647736E+21	4,342506E+21	7,538090E+21
269	1,151715E+22	1,521333E+22	1,749757E+22	1,749808E+22	1,521423E+22	1,151783E+22	7,538424E+21	4,342555E+21	2,647619E+21	2,647518E+21	4,342251E+21	7,538005E+21
270	1,151759E+22	1,521444E+22	1,749868E+22	1,749860E+22	1,521416E+22	1,151737E+22	7,537864E+21	4,342087E+21	2,647329E+21	2,647431E+21	4,342402E+21	7,538323E+21
271	1,151776E+22	1,521424E+22	1,749817E+22	1,749796E+22	1,521389E+22	1,151749E+22	7,538054E+21	4,342156E+21	2,647211E+21	2,647134E+21	4,341941E+21	7,537791E+21
272	1,151736E+22	1,521427E+22	1,749896E+22	1,749909E+22	1,521462E+22	1,151775E+22	7,538015E+21	4,341999E+21	2,647064E+21	2,647031E+21	4,341898E+21	7,537926E+21
273	1,151785E+22	1,521493E+22	1,749944E+22	1,749924E+22	1,521435E+22	1,151733E+22	7,537679E+21	4,341755E+21	2,646913E+21	2,647005E+21	4,342003E+21	7,537979E+21
274	1,151757E+22	1,521425E+22	1,749849E+22	1,749882E+22	1,521474E+22	1,151786E+22	7,538072E+21	4,341994E+21	2,646969E+21	2,646861E+21	4,341685E+21	7,537585E+21
275	1,151730E+22	1,521455E+22	1,749943E+22	1,749959E+22	1,521506E+22	1,151789E+22	7,537884E+21	4,341798E+21	2,646913E+21	2,646961E+21	4,341962E+21	7,538124E+21
276	1,151791E+22	1,521465E+22	1,749890E+22	1,749868E+22	1,521418E+22	1,151748E+22	7,537865E+21	4,341891E+21	2,647015E+21	2,647068E+21	4,342005E+21	7,537948E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
277	1,151749E+22	1,521398E+22	1,749817E+22	1,749849E+22	1,521445E+22	1,151789E+22	7,538333E+21	4,342311E+21	2,647287E+21	2,647166E+21	4,341920E+21	7,537734E+21
278	1,151746E+22	1,521458E+22	1,749905E+22	1,749894E+22	1,521434E+22	1,151742E+22	7,537895E+21	4,342140E+21	2,647393E+21	2,647494E+21	4,342432E+21	7,538274E+21
279	1,151762E+22	1,521410E+22	1,749807E+22	1,749776E+22	1,521359E+22	1,151725E+22	7,538061E+21	4,342429E+21	2,647655E+21	2,647660E+21	4,342438E+21	7,538029E+21
280	1,151708E+22	1,521339E+22	1,749776E+22	1,749807E+22	1,521405E+22	1,151764E+22	7,538342E+21	4,342670E+21	2,647901E+21	2,647887E+21	4,342611E+21	7,538228E+21
281	1,151751E+22	1,521392E+22	1,749796E+22	1,749785E+22	1,521352E+22	1,151712E+22	7,538054E+21	4,342604E+21	2,648015E+21	2,648165E+21	4,343027E+21	7,538596E+21
282	1,151751E+22	1,521332E+22	1,749674E+22	1,749677E+22	1,521330E+22	1,151741E+22	7,538519E+21	4,343046E+21	2,648287E+21	2,648202E+21	4,342790E+21	7,538125E+21
283	1,151702E+22	1,521332E+22	1,749749E+22	1,749757E+22	1,521366E+22	1,151751E+22	7,538487E+21	4,343039E+21	2,648370E+21	2,648356E+21	4,343012E+21	7,538512E+21
284	1,151755E+22	1,521360E+22	1,749731E+22	1,749701E+22	1,521290E+22	1,151694E+22	7,538260E+21	4,343005E+21	2,648426E+21	2,648488E+21	4,343154E+21	7,538421E+21
285	1,151708E+22	1,521280E+22	1,749644E+22	1,749677E+22	1,521331E+22	1,151749E+22	7,538721E+21	4,343301E+21	2,648518E+21	2,648383E+21	4,342885E+21	7,538073E+21
286	1,151687E+22	1,521323E+22	1,749750E+22	1,749761E+22	1,521362E+22	1,151733E+22	7,538302E+21	4,342922E+21	2,648330E+21	2,648402E+21	4,343156E+21	7,538632E+21
287	1,151744E+22	1,521330E+22	1,749699E+22	1,749677E+22	1,521294E+22	1,151708E+22	7,538268E+21	4,342857E+21	2,648183E+21	2,648203E+21	4,342902E+21	7,538313E+21
288	1,151712E+22	1,521298E+22	1,749692E+22	1,749730E+22	1,521365E+22	1,151757E+22	7,538506E+21	4,342889E+21	2,648067E+21	2,647975E+21	4,342602E+21	7,538135E+21
289	1,151745E+22	1,521402E+22	1,749804E+22	1,749786E+22	1,521361E+22	1,151716E+22	7,538015E+21	4,342480E+21	2,647809E+21	2,647901E+21	4,342758E+21	7,538443E+21
290	1,151761E+22	1,521383E+22	1,749757E+22	1,749737E+22	1,521351E+22	1,151733E+22	7,538209E+21	4,342563E+21	2,647717E+21	2,647627E+21	4,342303E+21	7,537856E+21
291	1,151702E+22	1,521366E+22	1,749832E+22	1,749858E+22	1,521432E+22	1,151766E+22	7,538195E+21	4,342428E+21	2,647592E+21	2,647539E+21	4,342307E+21	7,538125E+21
292	1,151763E+22	1,521419E+22	1,749843E+22	1,749840E+22	1,521391E+22	1,151718E+22	7,537832E+21	4,342164E+21	2,647456E+21	2,647566E+21	4,342471E+21	7,538221E+21
293	1,151746E+22	1,521369E+22	1,749754E+22	1,749777E+22	1,521406E+22	1,151770E+22	7,538333E+21	4,342471E+21	2,647530E+21	2,647429E+21	4,342151E+21	7,537803E+21
294	1,151712E+22	1,521394E+22	1,749850E+22	1,749857E+22	1,521435E+22	1,151767E+22	7,538123E+21	4,342315E+21	2,647526E+21	2,647562E+21	4,342428E+21	7,538287E+21
295	1,151771E+22	1,521419E+22	1,749817E+22	1,749775E+22	1,521342E+22	1,151713E+22	7,537991E+21	4,342359E+21	2,647619E+21	2,647676E+21	4,342481E+21	7,538115E+21
296	1,151726E+22	1,521344E+22	1,749746E+22	1,749770E+22	1,521381E+22	1,151755E+22	7,538408E+21	4,342750E+21	2,647902E+21	2,647808E+21	4,342430E+21	7,537904E+21
297	1,151715E+22	1,521380E+22	1,749804E+22	1,749804E+22	1,521379E+22	1,151723E+22	7,538068E+21	4,342621E+21	2,648021E+21	2,648138E+21	4,342976E+21	7,538547E+21
298	1,151747E+22	1,521342E+22	1,749704E+22	1,749685E+22	1,521310E+22	1,151715E+22	7,538299E+21	4,342927E+21	2,648273E+21	2,648277E+21	4,342935E+21	7,538252E+21
299	1,151689E+22	1,521276E+22	1,749687E+22	1,749720E+22	1,521349E+22	1,151750E+22	7,538619E+21	4,343214E+21	2,648524E+21	2,648470E+21	4,343067E+21	7,538467E+21
300	1,151739E+22	1,521331E+22	1,749695E+22	1,749682E+22	1,521287E+22	1,151690E+22	7,538271E+21	4,343134E+21	2,648660E+21	2,648789E+21	4,343494E+21	7,538759E+21
301	1,151734E+22	1,521286E+22	1,749598E+22	1,749580E+22	1,521254E+22	1,151718E+22	7,538779E+21	4,343584E+21	2,648924E+21	2,648827E+21	4,343262E+21	7,538235E+21
302	1,151665E+22	1,521259E+22	1,749665E+22	1,749677E+22	1,521306E+22	1,151726E+22	7,538685E+21	4,343556E+21	2,649009E+21	2,648992E+21	4,343508E+21	7,538641E+21
303	1,151721E+22	1,521291E+22	1,749646E+22	1,749620E+22	1,521236E+22	1,151669E+22	7,538349E+21	4,343404E+21	2,648980E+21	2,649072E+21	4,343650E+21	7,538657E+21
304	1,151689E+22	1,521216E+22	1,749555E+22	1,749589E+22	1,521276E+22	1,151728E+22	7,538804E+21	4,343648E+21	2,649017E+21	2,648918E+21	4,343337E+21	7,538305E+21
305	1,151674E+22	1,521259E+22	1,749651E+22	1,749664E+22	1,521302E+22	1,151717E+22	7,538487E+21	4,343325E+21	2,648817E+21	2,648886E+21	4,343556E+21	7,538861E+21
306	1,151743E+22	1,521293E+22	1,749623E+22	1,749596E+22	1,521241E+22	1,151690E+22	7,538444E+21	4,343268E+21	2,648670E+21	2,648661E+21	4,343227E+21	7,538396E+21
307	1,151693E+22	1,521259E+22	1,749644E+22	1,749674E+22	1,521316E+22	1,151737E+22	7,538669E+21	4,343312E+21	2,648565E+21	2,648433E+21	4,342938E+21	7,538245E+21
308	1,151723E+22	1,521345E+22	1,749733E+22	1,749722E+22	1,521316E+22	1,151694E+22	7,538113E+21	4,342869E+21	2,648328E+21	2,648425E+21	4,343168E+21	7,538569E+21
309	1,151737E+22	1,521329E+22	1,749685E+22	1,749662E+22	1,521303E+22	1,151722E+22	7,538396E+21	4,342957E+21	2,648223E+21	2,648157E+21	4,342745E+21	7,538030E+21
310	1,151676E+22	1,521294E+22	1,749742E+22	1,749777E+22	1,521386E+22	1,151758E+22	7,538419E+21	4,342858E+21	2,648119E+21	2,648077E+21	4,342746E+21	7,538309E+21
311	1,151748E+22	1,521368E+22	1,749760E+22	1,749749E+22	1,521331E+22	1,151698E+22	7,537980E+21	4,342568E+21	2,647968E+21	2,648085E+21	4,342893E+21	7,538426E+21
312	1,151738E+22	1,521326E+22	1,749678E+22	1,749687E+22	1,521340E+22	1,151745E+22	7,538463E+21	4,342895E+21	2,648082E+21	2,647982E+21	4,342574E+21	7,537948E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
313	1,151692E+22	1,521335E+22	1,749766E+22	1,749766E+22	1,521369E+22	1,151744E+22	7,538331E+21	4,342814E+21	2,648129E+21	2,648157E+21	4,342897E+21	7,538462E+21
314	1,151751E+22	1,521359E+22	1,749735E+22	1,749697E+22	1,521287E+22	1,151689E+22	7,538166E+21	4,342865E+21	2,648254E+21	2,648304E+21	4,342975E+21	7,538275E+21
315	1,151695E+22	1,521272E+22	1,749661E+22	1,749696E+22	1,521332E+22	1,151737E+22	7,538593E+21	4,343251E+21	2,648537E+21	2,648437E+21	4,342962E+21	7,538198E+21
316	1,151698E+22	1,521303E+22	1,749691E+22	1,749697E+22	1,521314E+22	1,151702E+22	7,538245E+21	4,343107E+21	2,648661E+21	2,648796E+21	4,343521E+21	7,538826E+21
317	1,151738E+22	1,521288E+22	1,749607E+22	1,749569E+22	1,521230E+22	1,151694E+22	7,538569E+21	4,343459E+21	2,648912E+21	2,648914E+21	4,343436E+21	7,538452E+21
318	1,151670E+22	1,521216E+22	1,749597E+22	1,749623E+22	1,521280E+22	1,151729E+22	7,538868E+21	4,343770E+21	2,649190E+21	2,649111E+21	4,343531E+21	7,538569E+21
319	1,151714E+22	1,521281E+22	1,749622E+22	1,749596E+22	1,521219E+22	1,151660E+22	7,538412E+21	4,343620E+21	2,649287E+21	2,649410E+21	4,343962E+21	7,538878E+21
320	1,151703E+22	1,521221E+22	1,749522E+22	1,749507E+22	1,521199E+22	1,151693E+22	7,538882E+21	4,344024E+21	2,649524E+21	2,649443E+21	4,343747E+21	7,538379E+21
321	1,151630E+22	1,521172E+22	1,749560E+22	1,749589E+22	1,521257E+22	1,151716E+22	7,538887E+21	4,344004E+21	2,649575E+21	2,649574E+21	4,344004E+21	7,538879E+21
322	1,151703E+22	1,521220E+22	1,749544E+22	1,749532E+22	1,521187E+22	1,151659E+22	7,538571E+21	4,343839E+21	2,649506E+21	2,649595E+21	4,344079E+21	7,538858E+21
323	1,151675E+22	1,521162E+22	1,749474E+22	1,749508E+22	1,521222E+22	1,151713E+22	7,539006E+21	4,344080E+21	2,649517E+21	2,649390E+21	4,343724E+21	7,538536E+21
324	1,151670E+22	1,521214E+22	1,749565E+22	1,749569E+22	1,521237E+22	1,151693E+22	7,538627E+21	4,343735E+21	2,649333E+21	2,649391E+21	4,343941E+21	7,539009E+21
325	1,151735E+22	1,521263E+22	1,749568E+22	1,749518E+22	1,521173E+22	1,151666E+22	7,538620E+21	4,343682E+21	2,649181E+21	2,649171E+21	4,343621E+21	7,538505E+21
326	1,151667E+22	1,521204E+22	1,749582E+22	1,749617E+22	1,521271E+22	1,151716E+22	7,538793E+21	4,343717E+21	2,649091E+21	2,648964E+21	4,343354E+21	7,538359E+21
327	1,151698E+22	1,521292E+22	1,749662E+22	1,749656E+22	1,521274E+22	1,151676E+22	7,538185E+21	4,343200E+21	2,648802E+21	2,648929E+21	4,343599E+21	7,538776E+21
328	1,151723E+22	1,521276E+22	1,749609E+22	1,749586E+22	1,521253E+22	1,151707E+22	7,538507E+21	4,343297E+21	2,648693E+21	2,648651E+21	4,343154E+21	7,538222E+21
329	1,151662E+22	1,521233E+22	1,749645E+22	1,749682E+22	1,521328E+22	1,151746E+22	7,538660E+21	4,343300E+21	2,648633E+21	2,648580E+21	4,343141E+21	7,538471E+21
330	1,151736E+22	1,521321E+22	1,749682E+22	1,749669E+22	1,521274E+22	1,151681E+22	7,538206E+21	4,343049E+21	2,648530E+21	2,648614E+21	4,343267E+21	7,538497E+21
331	1,151712E+22	1,521274E+22	1,749615E+22	1,749619E+22	1,521281E+22	1,151721E+22	7,538643E+21	4,343390E+21	2,648680E+21	2,648551E+21	4,343012E+21	7,538097E+21
332	1,151664E+22	1,521262E+22	1,749668E+22	1,749677E+22	1,521308E+22	1,151718E+22	7,538469E+21	4,343299E+21	2,648771E+21	2,648808E+21	4,343423E+21	7,538664E+21
333	1,151728E+22	1,521292E+22	1,749641E+22	1,749600E+22	1,521222E+22	1,151672E+22	7,538380E+21	4,343348E+21	2,648883E+21	2,648960E+21	4,343533E+21	7,538531E+21
334	1,151671E+22	1,521195E+22	1,749557E+22	1,749599E+22	1,521269E+22	1,151719E+22	7,538817E+21	4,343761E+21	2,649179E+21	2,649088E+21	4,343489E+21	7,538425E+21
335	1,151685E+22	1,521251E+22	1,749598E+22	1,749596E+22	1,521245E+22	1,151678E+22	7,538418E+21	4,343587E+21	2,649276E+21	2,649417E+21	4,344018E+21	7,539046E+21
336	1,151727E+22	1,521242E+22	1,749530E+22	1,749478E+22	1,521160E+22	1,151669E+22	7,538724E+21	4,343942E+21	2,649540E+21	2,649540E+21	4,343904E+21	7,538585E+21
337	1,151644E+22	1,521149E+22	1,749506E+22	1,749533E+22	1,521217E+22	1,151710E+22	7,539110E+21	4,344306E+21	2,649838E+21	2,649750E+21	4,344026E+21	7,538711E+21
338	1,151683E+22	1,521208E+22	1,749533E+22	1,749524E+22	1,521171E+22	1,151642E+22	7,538615E+21	4,344130E+21	2,649921E+21	2,650036E+21	4,344453E+21	7,539035E+21
339	1,151670E+22	1,521142E+22	1,749428E+22	1,749429E+22	1,521152E+22	1,151680E+22	7,539082E+21	4,344493E+21	2,650108E+21	2,650029E+21	4,344260E+21	7,538677E+21
340	1,151615E+22	1,521096E+22	1,749440E+22	1,749477E+22	1,521189E+22	1,151697E+22	7,539082E+21	4,344454E+21	2,650141E+21	2,650151E+21	4,344493E+21	7,539150E+21
341	1,151700E+22	1,521177E+22	1,749456E+22	1,749423E+22	1,521107E+22	1,151638E+22	7,538799E+21	4,344290E+21	2,650044E+21	2,650129E+21	4,344507E+21	7,539045E+21
342	1,151663E+22	1,521119E+22	1,749405E+22	1,749427E+22	1,521156E+22	1,151686E+22	7,539161E+21	4,344516E+21	2,650057E+21	2,649913E+21	4,344100E+21	7,538617E+21
343	1,151654E+22	1,521184E+22	1,749514E+22	1,749504E+22	1,521178E+22	1,151662E+22	7,538681E+21	4,344092E+21	2,649824E+21	2,649890E+21	4,344324E+21	7,539112E+21
344	1,151713E+22	1,521217E+22	1,749515E+22	1,749468E+22	1,521133E+22	1,151645E+22	7,538657E+21	4,344003E+21	2,649651E+21	2,649657E+21	4,344004E+21	7,538616E+21
345	1,151639E+22	1,521137E+22	1,749498E+22	1,749551E+22	1,521237E+22	1,151713E+22	7,538988E+21	4,344086E+21	2,649553E+21	2,649438E+21	4,343752E+21	7,538530E+21
346	1,151679E+22	1,521230E+22	1,749578E+22	1,749589E+22	1,521235E+22	1,151671E+22	7,538420E+21	4,343607E+21	2,649274E+21	2,649384E+21	4,343945E+21	7,538893E+21
347	1,151703E+22	1,521221E+22	1,749531E+22	1,749514E+22	1,521205E+22	1,151697E+22	7,538745E+21	4,343742E+21	2,649193E+21	2,649124E+21	4,343535E+21	7,538402E+21
348	1,151648E+22	1,521178E+22	1,749551E+22	1,749583E+22	1,521259E+22	1,151724E+22	7,538855E+21	4,343770E+21	2,649206E+21	2,649141E+21	4,343574E+21	7,538607E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
349	1,151716E+22	1,521273E+22	1,749607E+22	1,749575E+22	1,521197E+22	1,151655E+22	7,538416E+21	4,343539E+21	2,649139E+21	2,649229E+21	4,343761E+21	7,538656E+21
350	1,151681E+22	1,521203E+22	1,749529E+22	1,749543E+22	1,521224E+22	1,151694E+22	7,538770E+21	4,343863E+21	2,649315E+21	2,649205E+21	4,343545E+21	7,538303E+21
351	1,151644E+22	1,521203E+22	1,749573E+22	1,749584E+22	1,521244E+22	1,151691E+22	7,538550E+21	4,343705E+21	2,649359E+21	2,649438E+21	4,343974E+21	7,538968E+21
352	1,151718E+22	1,521236E+22	1,749549E+22	1,749506E+22	1,521156E+22	1,151647E+22	7,538500E+21	4,343773E+21	2,649464E+21	2,649562E+21	4,344031E+21	7,538780E+21
353	1,151660E+22	1,521136E+22	1,749458E+22	1,749498E+22	1,521202E+22	1,151703E+22	7,539072E+21	4,344272E+21	2,649788E+21	2,649688E+21	4,343959E+21	7,538604E+21
354	1,151667E+22	1,521196E+22	1,749518E+22	1,749515E+22	1,521184E+22	1,151660E+22	7,538676E+21	4,344131E+21	2,649916E+21	2,650022E+21	4,344444E+21	7,539113E+21
355	1,151693E+22	1,521179E+22	1,749456E+22	1,749411E+22	1,521108E+22	1,151651E+22	7,538962E+21	4,344482E+21	2,650186E+21	2,650167E+21	4,344399E+21	7,538744E+21
356	1,151610E+22	1,521066E+22	1,749392E+22	1,749435E+22	1,521158E+22	1,151692E+22	7,539317E+21	4,344827E+21	2,650499E+21	2,650419E+21	4,344573E+21	7,538918E+21
357	1,151655E+22	1,521134E+22	1,749427E+22	1,749417E+22	1,521103E+22	1,151630E+22	7,538881E+21	4,344632E+21	2,650543E+21	2,650672E+21	4,344992E+21	7,539293E+21
358	1,151649E+22	1,521069E+22	1,749322E+22	1,749331E+22	1,521085E+22	1,151659E+22	7,539292E+21	4,344978E+21	2,650704E+21	2,650623E+21	4,344736E+21	7,538900E+21
359	1,151609E+22	1,521056E+22	1,749353E+22	1,749377E+22	1,521114E+22	1,151666E+22	7,539199E+21	4,344867E+21	2,650675E+21	2,650687E+21	4,344926E+21	7,539360E+21
360	1,151695E+22	1,521147E+22	1,749397E+22	1,749347E+22	1,521041E+22	1,151607E+22	7,538875E+21	4,344673E+21	2,650555E+21	2,650635E+21	4,344890E+21	7,539162E+21
361	1,151643E+22	1,521073E+22	1,749341E+22	1,749363E+22	1,521105E+22	1,151666E+22	7,539312E+21	4,344921E+21	2,650564E+21	2,650419E+21	4,344497E+21	7,538729E+21
362	1,151626E+22	1,521126E+22	1,749451E+22	1,749460E+22	1,521149E+22	1,151650E+22	7,538829E+21	4,344478E+21	2,650317E+21	2,650376E+21	4,344699E+21	7,539218E+21
363	1,151684E+22	1,521153E+22	1,749441E+22	1,749415E+22	1,521104E+22	1,151640E+22	7,538834E+21	4,344371E+21	2,650110E+21	2,650124E+21	4,344408E+21	7,538826E+21
364	1,151622E+22	1,521069E+22	1,749389E+22	1,749453E+22	1,521181E+22	1,151702E+22	7,539207E+21	4,344505E+21	2,650055E+21	2,649938E+21	4,344157E+21	7,538709E+21
365	1,151666E+22	1,521183E+22	1,749493E+22	1,749489E+22	1,521166E+22	1,151657E+22	7,538678E+21	4,344065E+21	2,649805E+21	2,649898E+21	4,344338E+21	7,539020E+21
366	1,151682E+22	1,521168E+22	1,749454E+22	1,749433E+22	1,521139E+22	1,151669E+22	7,538918E+21	4,344213E+21	2,649772E+21	2,649687E+21	4,343948E+21	7,538499E+21
367	1,151628E+22	1,521134E+22	1,749477E+22	1,749501E+22	1,521190E+22	1,151689E+22	7,538931E+21	4,344180E+21	2,649768E+21	2,649725E+21	4,344057E+21	7,538797E+21
368	1,151694E+22	1,521218E+22	1,749531E+22	1,749502E+22	1,521142E+22	1,151627E+22	7,538466E+21	4,343921E+21	2,649693E+21	2,649812E+21	4,344257E+21	7,538882E+21
369	1,151659E+22	1,521135E+22	1,749431E+22	1,749455E+22	1,521171E+22	1,151680E+22	7,538956E+21	4,344285E+21	2,649866E+21	2,649784E+21	4,344047E+21	7,538566E+21
370	1,151631E+22	1,521142E+22	1,749484E+22	1,749506E+22	1,521192E+22	1,151677E+22	7,538779E+21	4,344177E+21	2,649926E+21	2,649992E+21	4,344403E+21	7,539145E+21
371	1,151703E+22	1,521184E+22	1,749468E+22	1,749429E+22	1,521102E+22	1,151633E+22	7,538752E+21	4,344282E+21	2,650058E+21	2,650135E+21	4,344484E+21	7,538963E+21
372	1,151641E+22	1,521077E+22	1,749359E+22	1,749395E+22	1,521131E+22	1,151683E+22	7,539346E+21	4,344842E+21	2,650463E+21	2,650342E+21	4,344454E+21	7,538736E+21
373	1,151636E+22	1,521134E+22	1,749433E+22	1,749421E+22	1,521112E+22	1,151640E+22	7,538964E+21	4,344717E+21	2,650617E+21	2,650712E+21	4,344983E+21	7,539263E+21
374	1,151653E+22	1,521093E+22	1,749353E+22	1,749327E+22	1,521051E+22	1,151630E+22	7,539172E+21	4,345032E+21	2,650885E+21	2,650873E+21	4,344968E+21	7,538971E+21
375	1,151588E+22	1,520999E+22	1,749280E+22	1,749325E+22	1,521087E+22	1,151666E+22	7,539457E+21	4,345277E+21	2,651112E+21	2,651068E+21	4,345144E+21	7,539244E+21
376	1,151646E+22	1,521077E+22	1,749328E+22	1,749312E+22	1,521029E+22	1,151600E+22	7,539005E+21	4,345065E+21	2,651110E+21	2,651244E+21	4,345466E+21	7,539544E+21
377	1,151641E+22	1,521021E+22	1,749234E+22	1,749234E+22	1,521016E+22	1,151635E+22	7,539472E+21	4,345424E+21	2,651249E+21	2,651159E+21	4,345155E+21	7,539075E+21
378	1,151597E+22	1,521016E+22	1,749296E+22	1,749314E+22	1,521057E+22	1,151640E+22	7,539348E+21	4,345302E+21	2,651207E+21	2,651188E+21	4,345274E+21	7,539412E+21
379	1,151666E+22	1,521097E+22	1,749343E+22	1,749304E+22	1,521006E+22	1,151590E+22	7,539022E+21	4,345077E+21	2,651056E+21	2,651131E+21	4,345286E+21	7,539279E+21
380	1,151612E+22	1,521005E+22	1,749252E+22	1,749291E+22	1,521066E+22	1,151656E+22	7,539482E+21	4,345320E+21	2,651076E+21	2,650941E+21	4,344924E+21	7,538883E+21
381	1,151599E+22	1,521062E+22	1,749363E+22	1,749373E+22	1,521099E+22	1,151648E+22	7,539093E+21	4,344894E+21	2,650814E+21	2,650876E+21	4,345105E+21	7,539380E+21
382	1,151660E+22	1,521086E+22	1,749348E+22	1,749334E+22	1,521055E+22	1,151628E+22	7,539061E+21	4,344805E+21	2,650620E+21	2,650624E+21	4,344788E+21	7,538981E+21
383	1,151615E+22	1,521032E+22	1,749302E+22	1,749352E+22	1,521112E+22	1,151675E+22	7,539332E+21	4,344891E+21	2,650551E+21	2,650439E+21	4,344562E+21	7,538892E+21
384	1,151655E+22	1,521146E+22	1,749428E+22	1,749408E+22	1,521097E+22	1,151623E+22	7,538759E+21	4,344458E+21	2,650319E+21	2,650409E+21	4,344740E+21	7,539163E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
385	1,151660E+22	1,521116E+22	1,749383E+22	1,749362E+22	1,521082E+22	1,151641E+22	7,539032E+21	4,344622E+21	2,650307E+21	2,650239E+21	4,344413E+21	7,538696E+21
386	1,151604E+22	1,521073E+22	1,749406E+22	1,749442E+22	1,521144E+22	1,151667E+22	7,539040E+21	4,344582E+21	2,650306E+21	2,650273E+21	4,344510E+21	7,539000E+21
387	1,151674E+22	1,521157E+22	1,749449E+22	1,749432E+22	1,521100E+22	1,151616E+22	7,538649E+21	4,344330E+21	2,650216E+21	2,650357E+21	4,344739E+21	7,539154E+21
388	1,151647E+22	1,521075E+22	1,749323E+22	1,749348E+22	1,521106E+22	1,151665E+22	7,539204E+21	4,344778E+21	2,650459E+21	2,650371E+21	4,344514E+21	7,538766E+21
389	1,151617E+22	1,521095E+22	1,749398E+22	1,749401E+22	1,521120E+22	1,151662E+22	7,539089E+21	4,344740E+21	2,650577E+21	2,650611E+21	4,344849E+21	7,539248E+21
390	1,151672E+22	1,521121E+22	1,749384E+22	1,749347E+22	1,521041E+22	1,151610E+22	7,539001E+21	4,344869E+21	2,650764E+21	2,650812E+21	4,344962E+21	7,539053E+21
391	1,151610E+22	1,521015E+22	1,749264E+22	1,749300E+22	1,521064E+22	1,151654E+22	7,539504E+21	4,345364E+21	2,651145E+21	2,651039E+21	4,345023E+21	7,538951E+21
392	1,151604E+22	1,521057E+22	1,749334E+22	1,749331E+22	1,521052E+22	1,151614E+22	7,539101E+21	4,345204E+21	2,651266E+21	2,651375E+21	4,345542E+21	7,539522E+21
393	1,151628E+22	1,521013E+22	1,749239E+22	1,749221E+22	1,520986E+22	1,151611E+22	7,539391E+21	4,345520E+21	2,651497E+21	2,651504E+21	4,345516E+21	7,539270E+21
394	1,151574E+22	1,520934E+22	1,749185E+22	1,749234E+22	1,521022E+22	1,151643E+22	7,539656E+21	4,345754E+21	2,651690E+21	2,651632E+21	4,345591E+21	7,539455E+21
395	1,151635E+22	1,521032E+22	1,749252E+22	1,749230E+22	1,520971E+22	1,151580E+22	7,539189E+21	4,345512E+21	2,651653E+21	2,651783E+21	4,345899E+21	7,539725E+21
396	1,151625E+22	1,520971E+22	1,749151E+22	1,749141E+22	1,520950E+22	1,151611E+22	7,539658E+21	4,345893E+21	2,651827E+21	2,651726E+21	4,345586E+21	7,539200E+21
397	1,151572E+22	1,520965E+22	1,749229E+22	1,749242E+22	1,521005E+22	1,151623E+22	7,539549E+21	4,345765E+21	2,651780E+21	2,651751E+21	4,345705E+21	7,539531E+21
398	1,151633E+22	1,521024E+22	1,749259E+22	1,749242E+22	1,520973E+22	1,151578E+22	7,539188E+21	4,345505E+21	2,651608E+21	2,651684E+21	4,345714E+21	7,539447E+21
399	1,151596E+22	1,520949E+22	1,749157E+22	1,749197E+22	1,521010E+22	1,151639E+22	7,539622E+21	4,345684E+21	2,651557E+21	2,651449E+21	4,345368E+21	7,539131E+21
400	1,151590E+22	1,521012E+22	1,749281E+22	1,749284E+22	1,521037E+22	1,151624E+22	7,539226E+21	4,345273E+21	2,651280E+21	2,651332E+21	4,345466E+21	7,539537E+21
401	1,151647E+22	1,521041E+22	1,749271E+22	1,749246E+22	1,520992E+22	1,151606E+22	7,539228E+21	4,345208E+21	2,651105E+21	2,651098E+21	4,345155E+21	7,539110E+21
402	1,151597E+22	1,520990E+22	1,749249E+22	1,749291E+22	1,521055E+22	1,151647E+22	7,539448E+21	4,345290E+21	2,651048E+21	2,650920E+21	4,344915E+21	7,538976E+21
403	1,151630E+22	1,521094E+22	1,749368E+22	1,749356E+22	1,521059E+22	1,151603E+22	7,538871E+21	4,344836E+21	2,650812E+21	2,650919E+21	4,345172E+21	7,539336E+21
404	1,151635E+22	1,521050E+22	1,749291E+22	1,749279E+22	1,521035E+22	1,151627E+22	7,539194E+21	4,345036E+21	2,650847E+21	2,650796E+21	4,344883E+21	7,538921E+21
405	1,151586E+22	1,521014E+22	1,749320E+22	1,749352E+22	1,521090E+22	1,151657E+22	7,539288E+21	4,345048E+21	2,650870E+21	2,650833E+21	4,344958E+21	7,539197E+21
406	1,151654E+22	1,521092E+22	1,749357E+22	1,749349E+22	1,521050E+22	1,151602E+22	7,538902E+21	4,344847E+21	2,650826E+21	2,650944E+21	4,345168E+21	7,539316E+21
407	1,151638E+22	1,521033E+22	1,749235E+22	1,749243E+22	1,521033E+22	1,151640E+22	7,539399E+21	4,345278E+21	2,651083E+21	2,650996E+21	4,345006E+21	7,538953E+21
408	1,151595E+22	1,521040E+22	1,749320E+22	1,749312E+22	1,521049E+22	1,151631E+22	7,539268E+21	4,345270E+21	2,651234E+21	2,651253E+21	4,345340E+21	7,539385E+21
409	1,151638E+22	1,521047E+22	1,749291E+22	1,749261E+22	1,520984E+22	1,151587E+22	7,539194E+21	4,345400E+21	2,651438E+21	2,651500E+21	4,345535E+21	7,539290E+21
410	1,151580E+22	1,520936E+22	1,749169E+22	1,749214E+22	1,521006E+22	1,151630E+22	7,539659E+21	4,345848E+21	2,651784E+21	2,651691E+21	4,345569E+21	7,539222E+21
411	1,151584E+22	1,520981E+22	1,749227E+22	1,749233E+22	1,520994E+22	1,151598E+22	7,539305E+21	4,345667E+21	2,651852E+21	2,651987E+21	4,346081E+21	7,539829E+21
412	1,151618E+22	1,520949E+22	1,749125E+22	1,749101E+22	1,520909E+22	1,151587E+22	7,539611E+21	4,346025E+21	2,652109E+21	2,652110E+21	4,346003E+21	7,539505E+21
413	1,151565E+22	1,520890E+22	1,749105E+22	1,749130E+22	1,520945E+22	1,151619E+22	7,539879E+21	4,346274E+21	2,652312E+21	2,652224E+21	4,346018E+21	7,539567E+21
414	1,151609E+22	1,520976E+22	1,749181E+22	1,749159E+22	1,520917E+22	1,151558E+22	7,539383E+21	4,346019E+21	2,652276E+21	2,652380E+21	4,346313E+21	7,539810E+21
415	1,151602E+22	1,520921E+22	1,749076E+22	1,749063E+22	1,520896E+22	1,151587E+22	7,539763E+21	4,346304E+21	2,652387E+21	2,652306E+21	4,346060E+21	7,539377E+21
416	1,151546E+22	1,520901E+22	1,749149E+22	1,749169E+22	1,520959E+22	1,151605E+22	7,539676E+21	4,346155E+21	2,652289E+21	2,652264E+21	4,346120E+21	7,539699E+21
417	1,151610E+22	1,520956E+22	1,749167E+22	1,749160E+22	1,520927E+22	1,151568E+22	7,539387E+21	4,345900E+21	2,652087E+21	2,652169E+21	4,346119E+21	7,539643E+21
418	1,151581E+22	1,520895E+22	1,749083E+22	1,749121E+22	1,520956E+22	1,151620E+22	7,539787E+21	4,346073E+21	2,652018E+21	2,651891E+21	4,345705E+21	7,539269E+21
419	1,151577E+22	1,520967E+22	1,749214E+22	1,749211E+22	1,520987E+22	1,151608E+22	7,539393E+21	4,345654E+21	2,651738E+21	2,651789E+21	4,345831E+21	7,539660E+21
420	1,151627E+22	1,520991E+22	1,749197E+22	1,749162E+22	1,520929E+22	1,151582E+22	7,539390E+21	4,345640E+21	2,651633E+21	2,651623E+21	4,345570E+21	7,539251E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
421	1,151574E+22	1,520938E+22	1,749183E+22	1,749219E+22	1,521004E+22	1,151627E+22	7,539592E+21	4,345724E+21	2,651607E+21	2,651479E+21	4,345362E+21	7,539142E+21
422	1,151603E+22	1,521025E+22	1,749284E+22	1,749286E+22	1,521021E+22	1,151591E+22	7,539031E+21	4,345266E+21	2,651378E+21	2,651492E+21	4,345627E+21	7,539562E+21
423	1,151628E+22	1,520998E+22	1,749196E+22	1,749178E+22	1,520972E+22	1,151607E+22	7,539333E+21	4,345434E+21	2,651383E+21	2,651361E+21	4,345370E+21	7,539197E+21
424	1,151580E+22	1,520967E+22	1,749239E+22	1,749260E+22	1,521024E+22	1,151631E+22	7,539454E+21	4,345503E+21	2,651427E+21	2,651374E+21	4,345370E+21	7,539353E+21
425	1,151637E+22	1,521041E+22	1,749276E+22	1,749258E+22	1,520986E+22	1,151580E+22	7,539109E+21	4,345349E+21	2,651435E+21	2,651539E+21	4,345616E+21	7,539439E+21
426	1,151608E+22	1,520971E+22	1,749169E+22	1,749171E+22	1,520972E+22	1,151613E+22	7,539579E+21	4,345787E+21	2,651715E+21	2,651615E+21	4,345476E+21	7,539079E+21
427	1,151561E+22	1,520964E+22	1,749233E+22	1,749239E+22	1,521004E+22	1,151615E+22	7,539448E+21	4,345747E+21	2,651852E+21	2,651898E+21	4,345885E+21	7,539588E+21
428	1,151605E+22	1,520960E+22	1,749172E+22	1,749150E+22	1,520919E+22	1,151571E+22	7,539429E+21	4,345919E+21	2,652091E+21	2,652169E+21	4,346103E+21	7,539575E+21
429	1,151562E+22	1,520865E+22	1,749060E+22	1,749100E+22	1,520935E+22	1,151614E+22	7,539917E+21	4,346384E+21	2,652432E+21	2,652331E+21	4,346083E+21	7,539470E+21
430	1,151570E+22	1,520916E+22	1,749124E+22	1,749131E+22	1,520928E+22	1,151577E+22	7,539539E+21	4,346210E+21	2,652505E+21	2,652611E+21	4,346537E+21	7,540025E+21
431	1,151614E+22	1,520909E+22	1,749040E+22	1,748993E+22	1,520828E+22	1,151555E+22	7,539759E+21	4,346505E+21	2,652726E+21	2,652730E+21	4,346491E+21	7,539699E+21
432	1,151548E+22	1,520844E+22	1,749042E+22	1,749055E+22	1,520877E+22	1,151583E+22	7,539999E+21	4,346747E+21	2,652911E+21	2,652811E+21	4,346465E+21	7,539686E+21
433	1,151579E+22	1,520910E+22	1,749102E+22	1,749091E+22	1,520873E+22	1,151540E+22	7,539533E+21	4,346464E+21	2,652856E+21	2,652972E+21	4,346799E+21	7,539990E+21
434	1,151572E+22	1,520852E+22	1,749001E+22	1,748997E+22	1,520854E+22	1,151574E+22	7,539912E+21	4,346694E+21	2,652899E+21	2,652831E+21	4,346496E+21	7,539583E+21
435	1,151528E+22	1,520835E+22	1,749060E+22	1,749090E+22	1,520916E+22	1,151599E+22	7,539875E+21	4,346528E+21	2,652748E+21	2,652742E+21	4,346525E+21	7,539874E+21
436	1,151595E+22	1,520899E+22	1,749071E+22	1,749058E+22	1,520862E+22	1,151553E+22	7,539609E+21	4,346339E+21	2,652593E+21	2,652656E+21	4,346493E+21	7,539789E+21
437	1,151568E+22	1,520854E+22	1,749015E+22	1,749033E+22	1,520891E+22	1,151600E+22	7,539971E+21	4,346520E+21	2,652550E+21	2,652393E+21	4,346061E+21	7,539346E+21
438	1,151551E+22	1,520911E+22	1,749145E+22	1,749147E+22	1,520940E+22	1,151587E+22	7,539548E+21	4,346097E+21	2,652289E+21	2,652321E+21	4,346214E+21	7,539772E+21
439	1,151611E+22	1,520941E+22	1,749122E+22	1,749085E+22	1,520875E+22	1,151557E+22	7,539455E+21	4,345999E+21	2,652146E+21	2,652173E+21	4,346051E+21	7,539490E+21
440	1,151559E+22	1,520883E+22	1,749108E+22	1,749145E+22	1,520950E+22	1,151604E+22	7,539690E+21	4,346090E+21	2,652097E+21	2,651987E+21	4,345793E+21	7,539356E+21
441	1,151589E+22	1,520966E+22	1,749197E+22	1,749204E+22	1,520972E+22	1,151579E+22	7,539221E+21	4,345674E+21	2,651884E+21	2,652009E+21	4,346056E+21	7,539769E+21
442	1,151616E+22	1,520951E+22	1,749130E+22	1,749102E+22	1,520915E+22	1,151587E+22	7,539493E+21	4,345852E+21	2,651901E+21	2,651868E+21	4,345754E+21	7,539337E+21
443	1,151565E+22	1,520918E+22	1,749165E+22	1,749181E+22	1,520970E+22	1,151616E+22	7,539660E+21	4,345953E+21	2,651979E+21	2,651928E+21	4,345793E+21	7,539438E+21
444	1,151606E+22	1,520974E+22	1,749188E+22	1,749168E+22	1,520922E+22	1,151560E+22	7,539341E+21	4,345884E+21	2,652082E+21	2,652176E+21	4,346115E+21	7,539597E+21
445	1,151577E+22	1,520898E+22	1,749077E+22	1,749081E+22	1,520913E+22	1,151595E+22	7,539786E+21	4,346329E+21	2,652398E+21	2,652295E+21	4,346022E+21	7,539290E+21
446	1,151531E+22	1,520876E+22	1,749118E+22	1,749140E+22	1,520949E+22	1,151602E+22	7,539691E+21	4,346286E+21	2,652531E+21	2,652576E+21	4,346428E+21	7,539869E+21
447	1,151598E+22	1,520897E+22	1,749056E+22	1,749024E+22	1,520835E+22	1,151543E+22	7,539605E+21	4,346409E+21	2,652729E+21	2,652831E+21	4,346669E+21	7,539889E+21
448	1,151558E+22	1,520816E+22	1,748971E+22	1,748993E+22	1,520850E+22	1,151576E+22	7,540064E+21	4,346887E+21	2,653057E+21	2,652942E+21	4,346550E+21	7,539649E+21
449	1,151554E+22	1,520866E+22	1,749045E+22	1,749041E+22	1,520859E+22	1,151549E+22	7,539715E+21	4,346718E+21	2,653142E+21	2,653239E+21	4,347011E+21	7,540153E+21
450	1,151584E+22	1,520853E+22	1,748982E+22	1,748933E+22	1,520772E+22	1,151528E+22	7,539886E+21	4,346964E+21	2,653327E+21	2,653327E+21	4,346947E+21	7,539823E+21
451	1,151518E+22	1,520776E+22	1,748963E+22	1,748994E+22	1,520844E+22	1,151574E+22	7,540169E+21	4,347160E+21	2,653459E+21	2,653386E+21	4,346941E+21	7,539832E+21
452	1,151545E+22	1,520830E+22	1,748999E+22	1,748999E+22	1,520824E+22	1,151536E+22	7,539792E+21	4,346928E+21	2,653413E+21	2,653530E+21	4,347262E+21	7,540199E+21
453	1,151552E+22	1,520785E+22	1,748905E+22	1,748904E+22	1,520799E+22	1,151567E+22	7,540174E+21	4,347167E+21	2,653446E+21	2,653358E+21	4,346906E+21	7,539753E+21
454	1,151512E+22	1,520774E+22	1,748964E+22	1,749001E+22	1,520862E+22	1,151587E+22	7,540115E+21	4,346998E+21	2,653294E+21	2,653256E+21	4,346892E+21	7,540016E+21
455	1,151588E+22	1,520859E+22	1,748990E+22	1,748959E+22	1,520786E+22	1,151523E+22	7,539736E+21	4,346746E+21	2,653117E+21	2,653189E+21	4,346928E+21	7,539970E+21
456	1,151554E+22	1,520813E+22	1,748957E+22	1,748966E+22	1,520826E+22	1,151562E+22	7,540030E+21	4,346908E+21	2,653058E+21	2,652906E+21	4,346479E+21	7,539506E+21



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
457	1,151532E+22	1,520857E+22	1,749072E+22	1,749082E+22	1,520893E+22	1,151565E+22	7,539625E+21	4,346459E+21	2,652793E+21	2,652853E+21	4,346673E+21	7,539989E+21
458	1,151591E+22	1,520886E+22	1,749056E+22	1,749021E+22	1,520829E+22	1,151539E+22	7,539546E+21	4,346322E+21	2,652600E+21	2,652651E+21	4,346465E+21	7,539720E+21
459	1,151553E+22	1,520834E+22	1,749031E+22	1,749073E+22	1,520906E+22	1,151594E+22	7,539853E+21	4,346429E+21	2,652537E+21	2,652451E+21	4,346173E+21	7,539493E+21
460	1,151573E+22	1,520916E+22	1,749111E+22	1,749109E+22	1,520908E+22	1,151565E+22	7,539464E+21	4,346140E+21	2,652423E+21	2,652520E+21	4,346425E+21	7,539862E+21
461	1,151594E+22	1,520903E+22	1,749059E+22	1,749021E+22	1,520856E+22	1,151571E+22	7,539732E+21	4,346370E+21	2,652513E+21	2,652446E+21	4,346157E+21	7,539389E+21
462	1,151530E+22	1,520846E+22	1,749077E+22	1,749108E+22	1,520922E+22	1,151602E+22	7,539898E+21	4,346496E+21	2,652640E+21	2,652566E+21	4,346259E+21	7,539560E+21
463	1,151578E+22	1,520900E+22	1,749083E+22	1,749069E+22	1,520856E+22	1,151537E+22	7,539505E+21	4,346371E+21	2,652730E+21	2,652854E+21	4,346699E+21	7,539877E+21
464	1,151556E+22	1,520826E+22	1,748975E+22	1,748982E+22	1,520840E+22	1,151565E+22	7,539954E+21	4,346819E+21	2,653022E+21	2,652935E+21	4,346564E+21	7,539568E+21
465	1,151516E+22	1,520809E+22	1,749009E+22	1,749033E+22	1,520876E+22	1,151579E+22	7,539897E+21	4,346792E+21	2,653162E+21	2,653217E+21	4,346962E+21	7,540126E+21
466	1,151585E+22	1,520847E+22	1,748978E+22	1,748932E+22	1,520761E+22	1,151514E+22	7,539759E+21	4,346883E+21	2,653335E+21	2,653435E+21	4,347147E+21	7,540091E+21
467	1,151545E+22	1,520771E+22	1,748898E+22	1,748912E+22	1,520789E+22	1,151554E+22	7,540234E+21	4,347341E+21	2,653653E+21	2,653553E+21	4,347027E+21	7,539764E+21
468	1,151523E+22	1,520801E+22	1,748961E+22	1,748958E+22	1,520799E+22	1,151530E+22	7,539941E+21	4,347249E+21	2,653793E+21	2,653882E+21	4,347518E+21	7,540321E+21
469	1,151554E+22	1,520781E+22	1,748892E+22	1,748858E+22	1,520729E+22	1,151518E+22	7,540100E+21	4,347470E+21	2,653965E+21	2,653963E+21	4,347452E+21	7,540016E+21
470	1,151490E+22	1,520693E+22	1,748851E+22	1,748906E+22	1,520802E+22	1,151572E+22	7,540443E+21	4,347656E+21	2,654058E+21	2,653975E+21	4,347405E+21	7,540061E+21
471	1,151536E+22	1,520771E+22	1,748891E+22	1,748886E+22	1,520750E+22	1,151515E+22	7,539994E+21	4,347374E+21	2,653961E+21	2,654086E+21	4,347730E+21	7,540446E+21
472	1,151546E+22	1,520742E+22	1,748825E+22	1,748809E+22	1,520717E+22	1,151531E+22	7,540315E+21	4,347604E+21	2,653968E+21	2,653863E+21	4,347290E+21	7,539887E+21
473	1,151496E+22	1,520729E+22	1,748892E+22	1,748919E+22	1,520796E+22	1,151559E+22	7,540248E+21	4,347415E+21	2,653820E+21	2,653782E+21	4,347302E+21	7,540130E+21
474	1,151562E+22	1,520814E+22	1,748941E+22	1,748905E+22	1,520734E+22	1,151493E+22	7,539776E+21	4,347082E+21	2,653589E+21	2,653678E+21	4,347331E+21	7,540122E+21
475	1,151534E+22	1,520761E+22	1,748889E+22	1,748910E+22	1,520791E+22	1,151548E+22	7,540101E+21	4,347192E+21	2,653487E+21	2,653379E+21	4,346884E+21	7,539657E+21
476	1,151509E+22	1,520796E+22	1,748986E+22	1,749003E+22	1,520847E+22	1,151558E+22	7,539833E+21	4,346846E+21	2,653263E+21	2,653323E+21	4,347061E+21	7,540177E+21
477	1,151578E+22	1,520835E+22	1,748976E+22	1,748948E+22	1,520784E+22	1,151531E+22	7,539768E+21	4,346754E+21	2,653104E+21	2,653128E+21	4,346812E+21	7,539832E+21
478	1,151535E+22	1,520781E+22	1,748947E+22	1,748994E+22	1,520859E+22	1,151587E+22	7,540126E+21	4,346919E+21	2,653095E+21	2,652966E+21	4,346526E+21	7,539575E+21
479	1,151554E+22	1,520867E+22	1,749031E+22	1,749017E+22	1,520836E+22	1,151540E+22	7,539661E+21	4,346623E+21	2,653020E+21	2,653116E+21	4,346893E+21	7,540001E+21
480	1,151566E+22	1,520843E+22	1,748982E+22	1,748946E+22	1,520787E+22	1,151536E+22	7,539877E+21	4,346867E+21	2,653139E+21	2,653078E+21	4,346672E+21	7,539575E+21
481	1,151501E+22	1,520769E+22	1,748971E+22	1,749018E+22	1,520866E+22	1,151582E+22	7,540063E+21	4,346976E+21	2,653282E+21	2,653242E+21	4,346847E+21	7,539842E+21
482	1,151554E+22	1,520830E+22	1,748986E+22	1,748973E+22	1,520789E+22	1,151513E+22	7,539647E+21	4,346808E+21	2,653322E+21	2,653479E+21	4,347250E+21	7,540202E+21
483	1,151551E+22	1,520771E+22	1,748878E+22	1,748883E+22	1,520772E+22	1,151542E+22	7,540113E+21	4,347247E+21	2,653595E+21	2,653536E+21	4,347061E+21	7,539785E+21
484	1,151503E+22	1,520757E+22	1,748916E+22	1,748926E+22	1,520797E+22	1,151553E+22	7,540131E+21	4,347330E+21	2,653806E+21	2,653839E+21	4,347435E+21	7,540293E+21
485	1,151564E+22	1,520794E+22	1,748901E+22	1,748854E+22	1,520702E+22	1,151493E+22	7,539979E+21	4,347434E+21	2,654010E+21	2,654082E+21	4,347616E+21	7,540192E+21
486	1,151512E+22	1,520700E+22	1,748810E+22	1,748842E+22	1,520746E+22	1,151544E+22	7,540490E+21	4,347891E+21	2,654325E+21	2,654207E+21	4,347522E+21	7,539923E+21
487	1,151494E+22	1,520727E+22	1,748856E+22	1,748859E+22	1,520739E+22	1,151515E+22	7,540163E+21	4,347745E+21	2,654427E+21	2,654535E+21	4,348068E+21	7,540575E+21
488	1,151533E+22	1,520711E+22	1,748793E+22	1,748765E+22	1,520663E+22	1,151496E+22	7,540326E+21	4,347956E+21	2,654547E+21	2,654547E+21	4,347935E+21	7,540250E+21
489	1,151476E+22	1,520631E+22	1,748745E+22	1,748804E+22	1,520736E+22	1,151552E+22	7,540651E+21	4,348123E+21	2,654623E+21	2,654538E+21	4,347859E+21	7,540249E+21
490	1,151517E+22	1,520724E+22	1,748818E+22	1,748797E+22	1,520679E+22	1,151486E+22	7,540117E+21	4,347775E+21	2,654469E+21	2,654589E+21	4,348126E+21	7,540608E+21
491	1,151533E+22	1,520703E+22	1,748765E+22	1,748740E+22	1,520659E+22	1,151503E+22	7,540398E+21	4,347948E+21	2,654442E+21	2,654358E+21	4,347682E+21	7,539983E+21
492	1,151469E+22	1,520676E+22	1,748823E+22	1,748849E+22	1,520740E+22	1,151535E+22	7,540381E+21	4,347823E+21	2,654335E+21	2,654296E+21	4,347723E+21	7,540297E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
493	1,151539E+22	1,520756E+22	1,748865E+22	1,748845E+22	1,520702E+22	1,151484E+22	7,539920E+21	4,347465E+21	2,654092E+21	2,654183E+21	4,347736E+21	7,540300E+21
494	1,151516E+22	1,520702E+22	1,748802E+22	1,748839E+22	1,520757E+22	1,151547E+22	7,540329E+21	4,347594E+21	2,653973E+21	2,653853E+21	4,347254E+21	7,539846E+21
495	1,151502E+22	1,520750E+22	1,748898E+22	1,748907E+22	1,520782E+22	1,151540E+22	7,540030E+21	4,347261E+21	2,653763E+21	2,653816E+21	4,347448E+21	7,540340E+21
496	1,151566E+22	1,520795E+22	1,748908E+22	1,748870E+22	1,520716E+22	1,151501E+22	7,539942E+21	4,347203E+21	2,653634E+21	2,653636E+21	4,347179E+21	7,539914E+21
497	1,151509E+22	1,520728E+22	1,748869E+22	1,748917E+22	1,520801E+22	1,151564E+22	7,540302E+21	4,347389E+21	2,653682E+21	2,653554E+21	4,346984E+21	7,539678E+21
498	1,151515E+22	1,520803E+22	1,748960E+22	1,748949E+22	1,520783E+22	1,151515E+22	7,539773E+21	4,347044E+21	2,653587E+21	2,653705E+21	4,347392E+21	7,540212E+21
499	1,151542E+22	1,520775E+22	1,748890E+22	1,748866E+22	1,520739E+22	1,151519E+22	7,540006E+21	4,347251E+21	2,653687E+21	2,653677E+21	4,347196E+21	7,539815E+21
500	1,151478E+22	1,520699E+22	1,748864E+22	1,748911E+22	1,520797E+22	1,151565E+22	7,540309E+21	4,347472E+21	2,653881E+21	2,653846E+21	4,347362E+21	7,540131E+21
501	1,151545E+22	1,520774E+22	1,748887E+22	1,748875E+22	1,520729E+22	1,151495E+22	7,539874E+21	4,347326E+21	2,653949E+21	2,654084E+21	4,347716E+21	7,540405E+21
502	1,151538E+22	1,520719E+22	1,748786E+22	1,748789E+22	1,520711E+22	1,151527E+22	7,540378E+21	4,347794E+21	2,654246E+21	2,654154E+21	4,347515E+21	7,539953E+21
503	1,151487E+22	1,520706E+22	1,748832E+22	1,748830E+22	1,520720E+22	1,151522E+22	7,540336E+21	4,347873E+21	2,654482E+21	2,654511E+21	4,347966E+21	7,540483E+21
504	1,151538E+22	1,520731E+22	1,748821E+22	1,748779E+22	1,520636E+22	1,151459E+22	7,540152E+21	4,347969E+21	2,654681E+21	2,654756E+21	4,348155E+21	7,540386E+21
505	1,151480E+22	1,520621E+22	1,748702E+22	1,748749E+22	1,520694E+22	1,151530E+22	7,540709E+21	4,348400E+21	2,654981E+21	2,654885E+21	4,348094E+21	7,540167E+21
506	1,151466E+22	1,520656E+22	1,748761E+22	1,748763E+22	1,520674E+22	1,151495E+22	7,540347E+21	4,348190E+21	2,654996E+21	2,655118E+21	4,348559E+21	7,540829E+21
507	1,151522E+22	1,520657E+22	1,748698E+22	1,748666E+22	1,520597E+22	1,151473E+22	7,540485E+21	4,348366E+21	2,655076E+21	2,655087E+21	4,348355E+21	7,540390E+21
508	1,151456E+22	1,520580E+22	1,748659E+22	1,748702E+22	1,520661E+22	1,151526E+22	7,540856E+21	4,348604E+21	2,655187E+21	2,655074E+21	4,348261E+21	7,540378E+21
509	1,151496E+22	1,520672E+22	1,748746E+22	1,748729E+22	1,520630E+22	1,151462E+22	7,540262E+21	4,348225E+21	2,655030E+21	2,655124E+21	4,348514E+21	7,540697E+21
510	1,151504E+22	1,520642E+22	1,748690E+22	1,748681E+22	1,520625E+22	1,151492E+22	7,540564E+21	4,348366E+21	2,654971E+21	2,654876E+21	4,348090E+21	7,540158E+21
511	1,151449E+22	1,520616E+22	1,748738E+22	1,748767E+22	1,520687E+22	1,151517E+22	7,540527E+21	4,348205E+21	2,654835E+21	2,654814E+21	4,348171E+21	7,540536E+21
512	1,151526E+22	1,520702E+22	1,748787E+22	1,748772E+22	1,520647E+22	1,151464E+22	7,540099E+21	4,347861E+21	2,654566E+21	2,654658E+21	4,348120E+21	7,540480E+21
513	1,151504E+22	1,520654E+22	1,748717E+22	1,748754E+22	1,520706E+22	1,151533E+22	7,540527E+21	4,348008E+21	2,654475E+21	2,654353E+21	4,347647E+21	7,539977E+21
514	1,151481E+22	1,520709E+22	1,748837E+22	1,748829E+22	1,520722E+22	1,151517E+22	7,540173E+21	4,347652E+21	2,654253E+21	2,654303E+21	4,347821E+21	7,540456E+21
515	1,151546E+22	1,520750E+22	1,748846E+22	1,748804E+22	1,520664E+22	1,151477E+22	7,540054E+21	4,347584E+21	2,654148E+21	2,654172E+21	4,347602E+21	7,540021E+21
516	1,151478E+22	1,520663E+22	1,748784E+22	1,748835E+22	1,520745E+22	1,151542E+22	7,540475E+21	4,347854E+21	2,654266E+21	2,654145E+21	4,347486E+21	7,539919E+21
517	1,151492E+22	1,520728E+22	1,748858E+22	1,748867E+22	1,520741E+22	1,151502E+22	7,539959E+21	4,347504E+21	2,654178E+21	2,654303E+21	4,347890E+21	7,540476E+21
518	1,151528E+22	1,520710E+22	1,748788E+22	1,748770E+22	1,520684E+22	1,151509E+22	7,540256E+21	4,347738E+21	2,654275E+21	2,654257E+21	4,347675E+21	7,540100E+21
519	1,151475E+22	1,520650E+22	1,748767E+22	1,748794E+22	1,520710E+22	1,151532E+22	7,540507E+21	4,347982E+21	2,654505E+21	2,654459E+21	4,347849E+21	7,540354E+21
520	1,151533E+22	1,520730E+22	1,748813E+22	1,748785E+22	1,520649E+22	1,151459E+22	7,540070E+21	4,347860E+21	2,654597E+21	2,654714E+21	4,348177E+21	7,540528E+21
521	1,151511E+22	1,520663E+22	1,748706E+22	1,748706E+22	1,520650E+22	1,151501E+22	7,540564E+21	4,348327E+21	2,654928E+21	2,654840E+21	4,348044E+21	7,540073E+21
522	1,151446E+22	1,520634E+22	1,748751E+22	1,748753E+22	1,520666E+22	1,151499E+22	7,540488E+21	4,348353E+21	2,655117E+21	2,655161E+21	4,348496E+21	7,540688E+21
523	1,151509E+22	1,520656E+22	1,748723E+22	1,748695E+22	1,520590E+22	1,151447E+22	7,540334E+21	4,348410E+21	2,655274E+21	2,655380E+21	4,348668E+21	7,540590E+21
524	1,151453E+22	1,520544E+22	1,748591E+22	1,748639E+22	1,520627E+22	1,151515E+22	7,540988E+21	4,348927E+21	2,655591E+21	2,655484E+21	4,348587E+21	7,540412E+21
525	1,151449E+22	1,520588E+22	1,748656E+22	1,748667E+22	1,520618E+22	1,151479E+22	7,540588E+21	4,348704E+21	2,655599E+21	2,655687E+21	4,348980E+21	7,540980E+21
526	1,151504E+22	1,520603E+22	1,748612E+22	1,748575E+22	1,520537E+22	1,151457E+22	7,540720E+21	4,348863E+21	2,655661E+21	2,655641E+21	4,348773E+21	7,540554E+21
527	1,151438E+22	1,520528E+22	1,748582E+22	1,748611E+22	1,520585E+22	1,151490E+22	7,540984E+21	4,349063E+21	2,655771E+21	2,655660E+21	4,348737E+21	7,540577E+21
528	1,151476E+22	1,520617E+22	1,748675E+22	1,748662E+22	1,520574E+22	1,151433E+22	7,540368E+21	4,348638E+21	2,655574E+21	2,655684E+21	4,348978E+21	7,540909E+21

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
529	1,151485E+22	1,520581E+22	1,748602E+22	1,748602E+22	1,520583E+22	1,151479E+22	7,540702E+21	4,348739E+21	2,655481E+21	2,655418E+21	4,348556E+21	7,540384E+21
530	1,151434E+22	1,520569E+22	1,748667E+22	1,748688E+22	1,520634E+22	1,151499E+22	7,540654E+21	4,348543E+21	2,655274E+21	2,655266E+21	4,348546E+21	7,540741E+21
531	1,151522E+22	1,520666E+22	1,748720E+22	1,748697E+22	1,520597E+22	1,151445E+22	7,540217E+21	4,348197E+21	2,655003E+21	2,655097E+21	4,348436E+21	7,540543E+21
532	1,151483E+22	1,520610E+22	1,748651E+22	1,748673E+22	1,520646E+22	1,151513E+22	7,540729E+21	4,348451E+21	2,654988E+21	2,654842E+21	4,348008E+21	7,540066E+21
533	1,151453E+22	1,520648E+22	1,748765E+22	1,748770E+22	1,520685E+22	1,151501E+22	7,540345E+21	4,348101E+21	2,654804E+21	2,654833E+21	4,348207E+21	7,540531E+21
534	1,151513E+22	1,520681E+22	1,748760E+22	1,748732E+22	1,520629E+22	1,151471E+22	7,540266E+21	4,348038E+21	2,654707E+21	2,654725E+21	4,348060E+21	7,540246E+21
535	1,151458E+22	1,520595E+22	1,748686E+22	1,748733E+22	1,520679E+22	1,151520E+22	7,540658E+21	4,348311E+21	2,654845E+21	2,654739E+21	4,348000E+21	7,540219E+21
536	1,151484E+22	1,520671E+22	1,748767E+22	1,748770E+22	1,520667E+22	1,151474E+22	7,540157E+21	4,347984E+21	2,654761E+21	2,654884E+21	4,348358E+21	7,540710E+21
537	1,151518E+22	1,520658E+22	1,748694E+22	1,748669E+22	1,520617E+22	1,151485E+22	7,540447E+21	4,348233E+21	2,654896E+21	2,654878E+21	4,348160E+21	7,540266E+21
538	1,151454E+22	1,520606E+22	1,748702E+22	1,748707E+22	1,520638E+22	1,151500E+22	7,540638E+21	4,348447E+21	2,655109E+21	2,655065E+21	4,348316E+21	7,540507E+21
539	1,151510E+22	1,520676E+22	1,748742E+22	1,748713E+22	1,520593E+22	1,151432E+22	7,540189E+21	4,348323E+21	2,655225E+21	2,655359E+21	4,348672E+21	7,540644E+21
540	1,151473E+22	1,520584E+22	1,748611E+22	1,748619E+22	1,520597E+22	1,151485E+22	7,540794E+21	4,348869E+21	2,655603E+21	2,655521E+21	4,348610E+21	7,540325E+21
541	1,151417E+22	1,520545E+22	1,748635E+22	1,748663E+22	1,520625E+22	1,151493E+22	7,540744E+21	4,348884E+21	2,655775E+21	2,655814E+21	4,349013E+21	7,540913E+21
542	1,151488E+22	1,520581E+22	1,748609E+22	1,748587E+22	1,520532E+22	1,151440E+22	7,540643E+21	4,348955E+21	2,655904E+21	2,655986E+21	4,349159E+21	7,540855E+21
543	1,151442E+22	1,520485E+22	1,748487E+22	1,748516E+22	1,520536E+22	1,151483E+22	7,541198E+21	4,349458E+21	2,656228E+21	2,656103E+21	4,349074E+21	7,540632E+21
544	1,151435E+22	1,520536E+22	1,748576E+22	1,748571E+22	1,520535E+22	1,151443E+22	7,540761E+21	4,349207E+21	2,656215E+21	2,656290E+21	4,349432E+21	7,541117E+21
545	1,151480E+22	1,520545E+22	1,748533E+22	1,748496E+22	1,520478E+22	1,151430E+22	7,540845E+21	4,349313E+21	2,656260E+21	2,656255E+21	4,349269E+21	7,540709E+21
546	1,151410E+22	1,520473E+22	1,748514E+22	1,748541E+22	1,520534E+22	1,151465E+22	7,541045E+21	4,349416E+21	2,656275E+21	2,656194E+21	4,349195E+21	7,540807E+21
547	1,151462E+22	1,520564E+22	1,748600E+22	1,748592E+22	1,520534E+22	1,151420E+22	7,540474E+21	4,348961E+21	2,656028E+21	2,656165E+21	4,349368E+21	7,541074E+21
548	1,151470E+22	1,520528E+22	1,748524E+22	1,748520E+22	1,520533E+22	1,151468E+22	7,540916E+21	4,349146E+21	2,655951E+21	2,655875E+21	4,348921E+21	7,540559E+21
549	1,151422E+22	1,520516E+22	1,748587E+22	1,748619E+22	1,520596E+22	1,151491E+22	7,540866E+21	4,348964E+21	2,655760E+21	2,655711E+21	4,348840E+21	7,540783E+21
550	1,151500E+22	1,520620E+22	1,748656E+22	1,748629E+22	1,520553E+22	1,151437E+22	7,540458E+21	4,348644E+21	2,655510E+21	2,655568E+21	4,348783E+21	7,540643E+21
551	1,151458E+22	1,520553E+22	1,748579E+22	1,748590E+22	1,520578E+22	1,151483E+22	7,540875E+21	4,348905E+21	2,655552E+21	2,655404E+21	4,348465E+21	7,540245E+21
552	1,151428E+22	1,520579E+22	1,748681E+22	1,748693E+22	1,520629E+22	1,151479E+22	7,540499E+21	4,348538E+21	2,655372E+21	2,655418E+21	4,348694E+21	7,540757E+21
553	1,151494E+22	1,520612E+22	1,748661E+22	1,748639E+22	1,520574E+22	1,151455E+22	7,540425E+21	4,348460E+21	2,655276E+21	2,655329E+21	4,348580E+21	7,540505E+21
554	1,151447E+22	1,520546E+22	1,748602E+22	1,748633E+22	1,520604E+22	1,151489E+22	7,540760E+21	4,348707E+21	2,655374E+21	2,655284E+21	4,348454E+21	7,540466E+21
555	1,151481E+22	1,520632E+22	1,748693E+22	1,748682E+22	1,520602E+22	1,151446E+22	7,540260E+21	4,348397E+21	2,655313E+21	2,655437E+21	4,348761E+21	7,540813E+21
556	1,151496E+22	1,520607E+22	1,748624E+22	1,748584E+22	1,520550E+22	1,151459E+22	7,540637E+21	4,348740E+21	2,655519E+21	2,655487E+21	4,348620E+21	7,540395E+21
557	1,151423E+22	1,520533E+22	1,748617E+22	1,748643E+22	1,520600E+22	1,151486E+22	7,540842E+21	4,348968E+21	2,655761E+21	2,655701E+21	4,348785E+21	7,540606E+21
558	1,151472E+22	1,520596E+22	1,748645E+22	1,748632E+22	1,520556E+22	1,151431E+22	7,540473E+21	4,348858E+21	2,655875E+21	2,656001E+21	4,349203E+21	7,540887E+21
559	1,151446E+22	1,520501E+22	1,748497E+22	1,748504E+22	1,520523E+22	1,151467E+22	7,541065E+21	4,349422E+21	2,656273E+21	2,656196E+21	4,349178E+21	7,540629E+21
560	1,151403E+22	1,520472E+22	1,748523E+22	1,748550E+22	1,520547E+22	1,151471E+22	7,541016E+21	4,349437E+21	2,656430E+21	2,656460E+21	4,349524E+21	7,541138E+21
561	1,151473E+22	1,520520E+22	1,748504E+22	1,748473E+22	1,520456E+22	1,151416E+22	7,540860E+21	4,349486E+21	2,656561E+21	2,656642E+21	4,349674E+21	7,541034E+21
562	1,151424E+22	1,520441E+22	1,748415E+22	1,748420E+22	1,520453E+22	1,151443E+22	7,541292E+21	4,349905E+21	2,656819E+21	2,656702E+21	4,349555E+21	7,540833E+21
563	1,151420E+22	1,520488E+22	1,748509E+22	1,748500E+22	1,520476E+22	1,151410E+22	7,540807E+21	4,349604E+21	2,656777E+21	2,656872E+21	4,349891E+21	7,541268E+21
564	1,151453E+22	1,520481E+22	1,748454E+22	1,748423E+22	1,520431E+22	1,151413E+22	7,540989E+21	4,349730E+21	2,656807E+21	2,656820E+21	4,349752E+21	7,540958E+21

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
565	1,151395E+22	1,520407E+22	1,748426E+22	1,748475E+22	1,520502E+22	1,151460E+22	7,541235E+21	4,349813E+21	2,656775E+21	2,656688E+21	4,349578E+21	7,540964E+21
566	1,151449E+22	1,520514E+22	1,748518E+22	1,748512E+22	1,520492E+22	1,151420E+22	7,540743E+21	4,349393E+21	2,656509E+21	2,656612E+21	4,349708E+21	7,541217E+21
567	1,151455E+22	1,520482E+22	1,748449E+22	1,748429E+22	1,520463E+22	1,151446E+22	7,541117E+21	4,349599E+21	2,656477E+21	2,656371E+21	4,349282E+21	7,540664E+21
568	1,151403E+22	1,520466E+22	1,748520E+22	1,748545E+22	1,520533E+22	1,151467E+22	7,541046E+21	4,349411E+21	2,656303E+21	2,656236E+21	4,349214E+21	7,540823E+21
569	1,151466E+22	1,520552E+22	1,748574E+22	1,748557E+22	1,520505E+22	1,151419E+22	7,540605E+21	4,349074E+21	2,656073E+21	2,656146E+21	4,349249E+21	7,540770E+21
570	1,151428E+22	1,520492E+22	1,748502E+22	1,748512E+22	1,520521E+22	1,151459E+22	7,540942E+21	4,349253E+21	2,656051E+21	2,655941E+21	4,348944E+21	7,540513E+21
571	1,151418E+22	1,520524E+22	1,748595E+22	1,748608E+22	1,520572E+22	1,151458E+22	7,540590E+21	4,348888E+21	2,655862E+21	2,655935E+21	4,349125E+21	7,540963E+21
572	1,151482E+22	1,520559E+22	1,748573E+22	1,748546E+22	1,520511E+22	1,151436E+22	7,540613E+21	4,348894E+21	2,655806E+21	2,655861E+21	4,349022E+21	7,540735E+21
573	1,151440E+22	1,520495E+22	1,748521E+22	1,748557E+22	1,520555E+22	1,151473E+22	7,540939E+21	4,349158E+21	2,655933E+21	2,655821E+21	4,348836E+21	7,540555E+21
574	1,151460E+22	1,520584E+22	1,748623E+22	1,748607E+22	1,520550E+22	1,151434E+22	7,540509E+21	4,348906E+21	2,655913E+21	2,656012E+21	4,349204E+21	7,540953E+21
575	1,151466E+22	1,520540E+22	1,748541E+22	1,748500E+22	1,520484E+22	1,151433E+22	7,540830E+21	4,349279E+21	2,656195E+21	2,656162E+21	4,349169E+21	7,540620E+21
576	1,151397E+22	1,520453E+22	1,748513E+22	1,748551E+22	1,520541E+22	1,151471E+22	7,541088E+21	4,349503E+21	2,656441E+21	2,656395E+21	4,349350E+21	7,540837E+21
577	1,151446E+22	1,520514E+22	1,748526E+22	1,748522E+22	1,520493E+22	1,151420E+22	7,540747E+21	4,349403E+21	2,656553E+21	2,656698E+21	4,349782E+21	7,541144E+21
578	1,151431E+22	1,520444E+22	1,748397E+22	1,748387E+22	1,520435E+22	1,151435E+22	7,541235E+21	4,349914E+21	2,656896E+21	2,656824E+21	4,349695E+21	7,540891E+21
579	1,151396E+22	1,520426E+22	1,748436E+22	1,748447E+22	1,520466E+22	1,151436E+22	7,541136E+21	4,349910E+21	2,657048E+21	2,657070E+21	4,349974E+21	7,541256E+21
580	1,151449E+22	1,520465E+22	1,748426E+22	1,748385E+22	1,520385E+22	1,151386E+22	7,541022E+21	4,349986E+21	2,657189E+21	2,657266E+21	4,350167E+21	7,541207E+21
581	1,151398E+22	1,520372E+22	1,748332E+22	1,748359E+22	1,520414E+22	1,151424E+22	7,541425E+21	4,350353E+21	2,657410E+21	2,657287E+21	4,350004E+21	7,540969E+21
582	1,151393E+22	1,520425E+22	1,748427E+22	1,748432E+22	1,520442E+22	1,151409E+22	7,541045E+21	4,350049E+21	2,657319E+21	2,657409E+21	4,350347E+21	7,541500E+21
583	1,151433E+22	1,520415E+22	1,748364E+22	1,748334E+22	1,520369E+22	1,151396E+22	7,541208E+21	4,350185E+21	2,657351E+21	2,657357E+21	4,350192E+21	7,541180E+21
584	1,151384E+22	1,520351E+22	1,748338E+22	1,748387E+22	1,520444E+22	1,151448E+22	7,541485E+21	4,350266E+21	2,657304E+21	2,657198E+21	4,349950E+21	7,541060E+21
585	1,151428E+22	1,520463E+22	1,748437E+22	1,748426E+22	1,520436E+22	1,151407E+22	7,540960E+21	4,349837E+21	2,657046E+21	2,657139E+21	4,350093E+21	7,541275E+21
586	1,151430E+22	1,520439E+22	1,748387E+22	1,748352E+22	1,520392E+22	1,151413E+22	7,541203E+21	4,349977E+21	2,656977E+21	2,656881E+21	4,349694E+21	7,540813E+21
587	1,151383E+22	1,520412E+22	1,748447E+22	1,748478E+22	1,520482E+22	1,151439E+22	7,541084E+21	4,349761E+21	2,656804E+21	2,656759E+21	4,349641E+21	7,540973E+21
588	1,151440E+22	1,520485E+22	1,748486E+22	1,748479E+22	1,520456E+22	1,151403E+22	7,540734E+21	4,349448E+21	2,656576E+21	2,656681E+21	4,349734E+21	7,541060E+21
589	1,151419E+22	1,520430E+22	1,748409E+22	1,748438E+22	1,520477E+22	1,151445E+22	7,541088E+21	4,349622E+21	2,656532E+21	2,656429E+21	4,349343E+21	7,540719E+21
590	1,151414E+22	1,520485E+22	1,748518E+22	1,748524E+22	1,520516E+22	1,151446E+22	7,540817E+21	4,349319E+21	2,656358E+21	2,656411E+21	4,349509E+21	7,541145E+21
591	1,151470E+22	1,520517E+22	1,748502E+22	1,748456E+22	1,520435E+22	1,151406E+22	7,540789E+21	4,349371E+21	2,656387E+21	2,656419E+21	4,349439E+21	7,540866E+21
592	1,151420E+22	1,520444E+22	1,748450E+22	1,748482E+22	1,520493E+22	1,151452E+22	7,541153E+21	4,349657E+21	2,656557E+21	2,656437E+21	4,349285E+21	7,540621E+21
593	1,151422E+22	1,520511E+22	1,748533E+22	1,748528E+22	1,520503E+22	1,151423E+22	7,540738E+21	4,349427E+21	2,656578E+21	2,656688E+21	4,349736E+21	7,541094E+21
594	1,151433E+22	1,520470E+22	1,748444E+22	1,748408E+22	1,520420E+22	1,151411E+22	7,541006E+21	4,349754E+21	2,656822E+21	2,656816E+21	4,349731E+21	7,540909E+21
595	1,151382E+22	1,520385E+22	1,748404E+22	1,748449E+22	1,520475E+22	1,151449E+22	7,541269E+21	4,349991E+21	2,657066E+21	2,657026E+21	4,349860E+21	7,541054E+21
596	1,151426E+22	1,520445E+22	1,748418E+22	1,748413E+22	1,520419E+22	1,151398E+22	7,540993E+21	4,349943E+21	2,657200E+21	2,657338E+21	4,350307E+21	7,541395E+21
597	1,151417E+22	1,520383E+22	1,748305E+22	1,748299E+22	1,520369E+22	1,151410E+22	7,541426E+21	4,350424E+21	2,657529E+21	2,657439E+21	4,350154E+21	7,541027E+21
598	1,151375E+22	1,520375E+22	1,748359E+22	1,748363E+22	1,520401E+22	1,151414E+22	7,541361E+21	4,350434E+21	2,657676E+21	2,657685E+21	4,350471E+21	7,541439E+21
599	1,151419E+22	1,520397E+22	1,748339E+22	1,748301E+22	1,520320E+22	1,151357E+22	7,541177E+21	4,350492E+21	2,657844E+21	2,657925E+21	4,350713E+21	7,541462E+21
600	1,151378E+22	1,520304E+22	1,748236E+22	1,748274E+22	1,520362E+22	1,151412E+22	7,541625E+21	4,350809E+21	2,658014E+21	2,657909E+21	4,350510E+21	7,541183E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
601	1,151372E+22	1,520356E+22	1,748323E+22	1,748335E+22	1,520387E+22	1,151402E+22	7,541301E+21	4,350520E+21	2,657895E+21	2,657989E+21	4,350806E+21	7,541680E+21
602	1,151421E+22	1,520371E+22	1,748283E+22	1,748242E+22	1,520298E+22	1,151370E+22	7,541356E+21	4,350589E+21	2,657858E+21	2,657860E+21	4,350588E+21	7,541352E+21
603	1,151374E+22	1,520312E+22	1,748267E+22	1,748308E+22	1,520379E+22	1,151419E+22	7,541581E+21	4,350656E+21	2,657806E+21	2,657685E+21	4,350293E+21	7,541092E+21
604	1,151396E+22	1,520406E+22	1,748366E+22	1,748357E+22	1,520382E+22	1,151385E+22	7,541109E+21	4,350248E+21	2,657559E+21	2,657653E+21	4,350507E+21	7,541404E+21
605	1,151401E+22	1,520371E+22	1,748309E+22	1,748299E+22	1,520358E+22	1,151397E+22	7,541311E+21	4,350336E+21	2,657459E+21	2,657372E+21	4,350091E+21	7,540959E+21
606	1,151361E+22	1,520356E+22	1,748365E+22	1,748404E+22	1,520441E+22	1,151434E+22	7,541290E+21	4,350140E+21	2,657263E+21	2,657229E+21	4,350067E+21	7,541221E+21
607	1,151426E+22	1,520429E+22	1,748397E+22	1,748389E+22	1,520392E+22	1,151382E+22	7,540917E+21	4,349868E+21	2,657084E+21	2,657185E+21	4,350160E+21	7,541313E+21
608	1,151417E+22	1,520388E+22	1,748327E+22	1,748350E+22	1,520417E+22	1,151428E+22	7,541288E+21	4,350048E+21	2,657058E+21	2,656945E+21	4,349728E+21	7,540839E+21
609	1,151397E+22	1,520441E+22	1,748444E+22	1,748442E+22	1,520457E+22	1,151430E+22	7,541041E+21	4,349797E+21	2,656938E+21	2,656978E+21	4,349921E+21	7,541219E+21
610	1,151445E+22	1,520474E+22	1,748440E+22	1,748385E+22	1,520367E+22	1,151373E+22	7,540903E+21	4,349812E+21	2,656966E+21	2,657009E+21	4,349914E+21	7,541035E+21
611	1,151394E+22	1,520383E+22	1,748368E+22	1,748411E+22	1,520443E+22	1,151427E+22	7,541263E+21	4,350109E+21	2,657171E+21	2,657064E+21	4,349791E+21	7,540785E+21
612	1,151387E+22	1,520430E+22	1,748427E+22	1,748438E+22	1,520451E+22	1,151412E+22	7,540976E+21	4,349924E+21	2,657208E+21	2,657341E+21	4,350301E+21	7,541388E+21
613	1,151415E+22	1,520392E+22	1,748332E+22	1,748314E+22	1,520363E+22	1,151396E+22	7,541246E+21	4,350258E+21	2,657439E+21	2,657430E+21	4,350223E+21	7,541136E+21
614	1,151370E+22	1,520333E+22	1,748306E+22	1,748342E+22	1,520404E+22	1,151432E+22	7,541552E+21	4,350536E+21	2,657690E+21	2,657630E+21	4,350351E+21	7,541272E+21
615	1,151406E+22	1,520387E+22	1,748326E+22	1,748307E+22	1,520331E+22	1,151361E+22	7,541185E+21	4,350504E+21	2,657887E+21	2,658002E+21	4,350819E+21	7,541587E+21
616	1,151394E+22	1,520321E+22	1,748217E+22	1,748209E+22	1,520301E+22	1,151383E+22	7,541610E+21	4,350943E+21	2,658204E+21	2,658116E+21	4,350673E+21	7,541169E+21
617	1,151341E+22	1,520301E+22	1,748265E+22	1,748280E+22	1,520349E+22	1,151399E+22	7,541563E+21	4,350938E+21	2,658333E+21	2,658357E+21	4,351011E+21	7,541633E+21
618	1,151395E+22	1,520334E+22	1,748246E+22	1,748212E+22	1,520256E+22	1,151334E+22	7,541323E+21	4,350918E+21	2,658415E+21	2,658522E+21	4,351227E+21	7,541743E+21
619	1,151369E+22	1,520250E+22	1,748144E+22	1,748185E+22	1,520305E+22	1,151392E+22	7,541783E+21	4,351234E+21	2,658552E+21	2,658443E+21	4,350927E+21	7,541339E+21
620	1,151353E+22	1,520301E+22	1,748236E+22	1,748245E+22	1,520329E+22	1,151387E+22	7,541529E+21	4,350973E+21	2,658427E+21	2,658505E+21	4,351207E+21	7,541829E+21
621	1,151402E+22	1,520317E+22	1,748209E+22	1,748175E+22	1,520247E+22	1,151350E+22	7,541530E+21	4,351009E+21	2,658363E+21	2,658343E+21	4,350932E+21	7,541417E+21
622	1,151350E+22	1,520266E+22	1,748201E+22	1,748240E+22	1,520330E+22	1,151401E+22	7,541769E+21	4,351078E+21	2,658302E+21	2,658176E+21	4,350705E+21	7,541240E+21
623	1,151363E+22	1,520336E+22	1,748282E+22	1,748281E+22	1,520327E+22	1,151360E+22	7,541232E+21	4,350664E+21	2,658096E+21	2,658197E+21	4,350974E+21	7,541652E+21
624	1,151386E+22	1,520311E+22	1,748218E+22	1,748214E+22	1,520308E+22	1,151386E+22	7,541481E+21	4,350715E+21	2,657965E+21	2,657900E+21	4,350536E+21	7,541181E+21
625	1,151349E+22	1,520305E+22	1,748278E+22	1,748312E+22	1,520383E+22	1,151420E+22	7,541504E+21	4,350565E+21	2,657780E+21	2,657746E+21	4,350473E+21	7,541398E+21
626	1,151420E+22	1,520399E+22	1,748330E+22	1,748303E+22	1,520320E+22	1,151350E+22	7,541025E+21	4,350256E+21	2,657582E+21	2,657679E+21	4,350543E+21	7,541480E+21
627	1,151409E+22	1,520357E+22	1,748269E+22	1,748280E+22	1,520357E+22	1,151397E+22	7,541370E+21	4,350453E+21	2,657591E+21	2,657464E+21	4,350097E+21	7,540881E+21
628	1,151362E+22	1,520380E+22	1,748372E+22	1,748378E+22	1,520411E+22	1,151411E+22	7,541222E+21	4,350257E+21	2,657516E+21	2,657559E+21	4,350382E+21	7,541359E+21
629	1,151411E+22	1,520396E+22	1,748354E+22	1,748328E+22	1,520335E+22	1,151362E+22	7,541086E+21	4,350259E+21	2,657542E+21	2,657593E+21	4,350385E+21	7,541213E+21
630	1,151368E+22	1,520315E+22	1,748269E+22	1,748320E+22	1,520392E+22	1,151422E+22	7,541555E+21	4,350607E+21	2,657755E+21	2,657658E+21	4,350314E+21	7,541050E+21
631	1,151362E+22	1,520351E+22	1,748312E+22	1,748327E+22	1,520377E+22	1,151391E+22	7,541242E+21	4,350480E+21	2,657864E+21	2,657983E+21	4,350829E+21	7,541667E+21
632	1,151405E+22	1,520334E+22	1,748227E+22	1,748199E+22	1,520288E+22	1,151375E+22	7,541486E+21	4,350796E+21	2,658107E+21	2,658089E+21	4,350728E+21	7,541313E+21
633	1,151349E+22	1,520275E+22	1,748213E+22	1,748234E+22	1,520323E+22	1,151404E+22	7,541785E+21	4,351102E+21	2,658386E+21	2,658315E+21	4,350868E+21	7,541430E+21
634	1,151383E+22	1,520333E+22	1,748245E+22	1,748216E+22	1,520252E+22	1,151320E+22	7,541282E+21	4,350990E+21	2,658541E+21	2,658674E+21	4,351377E+21	7,541847E+21
635	1,151376E+22	1,520261E+22	1,748129E+22	1,748128E+22	1,520244E+22	1,151353E+22	7,541685E+21	4,351388E+21	2,658829E+21	2,658760E+21	4,351203E+21	7,541392E+21
636	1,151315E+22	1,520228E+22	1,748165E+22	1,748190E+22	1,520296E+22	1,151386E+22	7,541783E+21	4,351407E+21	2,658925E+21	2,658967E+21	4,351533E+21	7,541910E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
637	1,151381E+22	1,520269E+22	1,748154E+22	1,748132E+22	1,520207E+22	1,151320E+22	7,541543E+21	4,351369E+21	2,658956E+21	2,659048E+21	4,351625E+21	7,541892E+21
638	1,151355E+22	1,520208E+22	1,748068E+22	1,748097E+22	1,520247E+22	1,151379E+22	7,542042E+21	4,351707E+21	2,659079E+21	2,658947E+21	4,351314E+21	7,541444E+21
639	1,151322E+22	1,520240E+22	1,748157E+22	1,748161E+22	1,520262E+22	1,151361E+22	7,541723E+21	4,351464E+21	2,659007E+21	2,659054E+21	4,351608E+21	7,541930E+21
640	1,151374E+22	1,520255E+22	1,748128E+22	1,748097E+22	1,520199E+22	1,151334E+22	7,541698E+21	4,351446E+21	2,658925E+21	2,658904E+21	4,351363E+21	7,541523E+21
641	1,151317E+22	1,520197E+22	1,748113E+22	1,748159E+22	1,520283E+22	1,151389E+22	7,541956E+21	4,351508E+21	2,658848E+21	2,658730E+21	4,351157E+21	7,541444E+21
642	1,151348E+22	1,520282E+22	1,748197E+22	1,748194E+22	1,520265E+22	1,151335E+22	7,541338E+21	4,351021E+21	2,658572E+21	2,658696E+21	4,351418E+21	7,541944E+21
643	1,151386E+22	1,520270E+22	1,748143E+22	1,748133E+22	1,520252E+22	1,151359E+22	7,541566E+21	4,351071E+21	2,658430E+21	2,658364E+21	4,350905E+21	7,541345E+21
644	1,151338E+22	1,520265E+22	1,748210E+22	1,748235E+22	1,520328E+22	1,151401E+22	7,541666E+21	4,350962E+21	2,658269E+21	2,658230E+21	4,350852E+21	7,541544E+21
645	1,151404E+22	1,520354E+22	1,748272E+22	1,748247E+22	1,520275E+22	1,151329E+22	7,541171E+21	4,350656E+21	2,658081E+21	2,658163E+21	4,350889E+21	7,541542E+21
646	1,151383E+22	1,520310E+22	1,748209E+22	1,748220E+22	1,520317E+22	1,151383E+22	7,541568E+21	4,350897E+21	2,658127E+21	2,658006E+21	4,350552E+21	7,541036E+21
647	1,151325E+22	1,520299E+22	1,748277E+22	1,748296E+22	1,520361E+22	1,151394E+22	7,541413E+21	4,350745E+21	2,658132E+21	2,658176E+21	4,350894E+21	7,541605E+21
648	1,151389E+22	1,520320E+22	1,748241E+22	1,748222E+22	1,520281E+22	1,151355E+22	7,541343E+21	4,350753E+21	2,658164E+21	2,658227E+21	4,350905E+21	7,541454E+21
649	1,151350E+22	1,520249E+22	1,748161E+22	1,748203E+22	1,520319E+22	1,151405E+22	7,541838E+21	4,351158E+21	2,658404E+21	2,658296E+21	4,350810E+21	7,541277E+21
650	1,151353E+22	1,520303E+22	1,748220E+22	1,748212E+22	1,520284E+22	1,151349E+22	7,541381E+21	4,350981E+21	2,658500E+21	2,658615E+21	4,351328E+21	7,541892E+21
651	1,151393E+22	1,520287E+22	1,748149E+22	1,748108E+22	1,520210E+22	1,151333E+22	7,541572E+21	4,351284E+21	2,658754E+21	2,658732E+21	4,351215E+21	7,541442E+21
652	1,151317E+22	1,520209E+22	1,748130E+22	1,748153E+22	1,520264E+22	1,151376E+22	7,541928E+21	4,351596E+21	2,659037E+21	2,658981E+21	4,351415E+21	7,541646E+21
653	1,151353E+22	1,520256E+22	1,748156E+22	1,748147E+22	1,520210E+22	1,151305E+22	7,541452E+21	4,351450E+21	2,659145E+21	2,659287E+21	4,351870E+21	7,542053E+21
654	1,151356E+22	1,520199E+22	1,748041E+22	1,748042E+22	1,520196E+22	1,151346E+22	7,541963E+21	4,351876E+21	2,659403E+21	2,659343E+21	4,351700E+21	7,541624E+21
655	1,151291E+22	1,520154E+22	1,748061E+22	1,748091E+22	1,520234E+22	1,151369E+22	7,542055E+21	4,351949E+21	2,659547E+21	2,659557E+21	4,351982E+21	7,542096E+21
656	1,151365E+22	1,520213E+22	1,748060E+22	1,748031E+22	1,520149E+22	1,151311E+22	7,541811E+21	4,351885E+21	2,659568E+21	2,659636E+21	4,352048E+21	7,541980E+21
657	1,151326E+22	1,520150E+22	1,747988E+22	1,748004E+22	1,520180E+22	1,151359E+22	7,542287E+21	4,352228E+21	2,659695E+21	2,659542E+21	4,351753E+21	7,541558E+21
658	1,151296E+22	1,520179E+22	1,748077E+22	1,748078E+22	1,520196E+22	1,151326E+22	7,541801E+21	4,351882E+21	2,659570E+21	2,659634E+21	4,352097E+21	7,542169E+21
659	1,151357E+22	1,520195E+22	1,748044E+22	1,748020E+22	1,520147E+22	1,151306E+22	7,541739E+21	4,351805E+21	2,659440E+21	2,659446E+21	4,351830E+21	7,541766E+21
660	1,151302E+22	1,520136E+22	1,748023E+22	1,748073E+22	1,520230E+22	1,151372E+22	7,542097E+21	4,351875E+21	2,659328E+21	2,659236E+21	4,351609E+21	7,541731E+21
661	1,151346E+22	1,520237E+22	1,748126E+22	1,748124E+22	1,520216E+22	1,151316E+22	7,541478E+21	4,351379E+21	2,659014E+21	2,659128E+21	4,351748E+21	7,542094E+21
662	1,151382E+22	1,520246E+22	1,748093E+22	1,748063E+22	1,520198E+22	1,151341E+22	7,541734E+21	4,351453E+21	2,658880E+21	2,658808E+21	4,351244E+21	7,541423E+21
663	1,151310E+22	1,520210E+22	1,748145E+22	1,748168E+22	1,520274E+22	1,151378E+22	7,541831E+21	4,351410E+21	2,658811E+21	2,658746E+21	4,351222E+21	7,541616E+21
664	1,151374E+22	1,520292E+22	1,748194E+22	1,748177E+22	1,520241E+22	1,151323E+22	7,541356E+21	4,351094E+21	2,658646E+21	2,658729E+21	4,351315E+21	7,541628E+21
665	1,151346E+22	1,520235E+22	1,748116E+22	1,748131E+22	1,520269E+22	1,151377E+22	7,541823E+21	4,351387E+21	2,658726E+21	2,658607E+21	4,351029E+21	7,541243E+21
666	1,151306E+22	1,520228E+22	1,748172E+22	1,748192E+22	1,520292E+22	1,151371E+22	7,541597E+21	4,351207E+21	2,658714E+21	2,658771E+21	4,351397E+21	7,541891E+21
667	1,151383E+22	1,520266E+22	1,748144E+22	1,748118E+22	1,520209E+22	1,151324E+22	7,541486E+21	4,351229E+21	2,658763E+21	2,658820E+21	4,351376E+21	7,541657E+21
668	1,151335E+22	1,520195E+22	1,748072E+22	1,748100E+22	1,520242E+22	1,151375E+22	7,542017E+21	4,351659E+21	2,659029E+21	2,658920E+21	4,351311E+21	7,541486E+21
669	1,151334E+22	1,520247E+22	1,748149E+22	1,748136E+22	1,520218E+22	1,151317E+22	7,541522E+21	4,351463E+21	2,659118E+21	2,659228E+21	4,351798E+21	7,542040E+21
670	1,151368E+22	1,520232E+22	1,748079E+22	1,748035E+22	1,520156E+22	1,151310E+22	7,541733E+21	4,351763E+21	2,659375E+21	2,659377E+21	4,351762E+21	7,541652E+21
671	1,151283E+22	1,520125E+22	1,748027E+22	1,748065E+22	1,520212E+22	1,151360E+22	7,542132E+21	4,352115E+21	2,659703E+21	2,659653E+21	4,351967E+21	7,541915E+21
672	1,151336E+22	1,520184E+22	1,748044E+22	1,748041E+22	1,520160E+22	1,151303E+22	7,541741E+21	4,351979E+21	2,659795E+21	2,659935E+21	4,352377E+21	7,542252E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
673	1,151335E+22	1,520136E+22	1,747942E+22	1,747934E+22	1,520129E+22	1,151335E+22	7,542284E+21	4,352454E+21	2,660063E+21	2,659968E+21	4,352159E+21	7,541798E+21
674	1,151277E+22	1,520099E+22	1,747971E+22	1,747988E+22	1,520153E+22	1,151336E+22	7,542225E+21	4,352454E+21	2,660170E+21	2,660163E+21	4,352439E+21	7,542251E+21
675	1,151344E+22	1,520157E+22	1,747982E+22	1,747948E+22	1,520082E+22	1,151276E+22	7,541915E+21	4,352346E+21	2,660163E+21	2,660226E+21	4,352502E+21	7,542098E+21
676	1,151293E+22	1,520080E+22	1,747904E+22	1,747926E+22	1,520125E+22	1,151336E+22	7,542406E+21	4,352645E+21	2,660250E+21	2,660124E+21	4,352256E+21	7,541796E+21
677	1,151274E+22	1,520111E+22	1,747994E+22	1,748005E+22	1,520148E+22	1,151309E+22	7,541921E+21	4,352237E+21	2,660048E+21	2,660130E+21	4,352517E+21	7,542391E+21
678	1,151349E+22	1,520150E+22	1,747971E+22	1,747944E+22	1,520099E+22	1,151295E+22	7,541912E+21	4,352160E+21	2,659878E+21	2,659905E+21	4,352237E+21	7,541980E+21
679	1,151292E+22	1,520086E+22	1,747945E+22	1,747992E+22	1,520174E+22	1,151352E+22	7,542253E+21	4,352280E+21	2,659816E+21	2,659701E+21	4,351958E+21	7,541879E+21
680	1,151339E+22	1,520199E+22	1,748055E+22	1,748042E+22	1,520168E+22	1,151308E+22	7,541676E+21	4,351798E+21	2,659522E+21	2,659611E+21	4,352076E+21	7,542121E+21
681	1,151355E+22	1,520199E+22	1,748035E+22	1,747996E+22	1,520147E+22	1,151326E+22	7,541953E+21	4,351917E+21	2,659430E+21	2,659332E+21	4,351618E+21	7,541507E+21
682	1,151284E+22	1,520147E+22	1,748068E+22	1,748096E+22	1,520220E+22	1,151351E+22	7,541929E+21	4,351823E+21	2,659362E+21	2,659310E+21	4,351682E+21	7,541798E+21
683	1,151351E+22	1,520224E+22	1,748105E+22	1,748096E+22	1,520190E+22	1,151303E+22	7,541480E+21	4,351506E+21	2,659196E+21	2,659300E+21	4,351795E+21	7,541845E+21
684	1,151326E+22	1,520166E+22	1,748016E+22	1,748032E+22	1,520204E+22	1,151360E+22	7,542025E+21	4,351836E+21	2,659290E+21	2,659192E+21	4,351536E+21	7,541522E+21
685	1,151296E+22	1,520171E+22	1,748084E+22	1,748098E+22	1,520223E+22	1,151346E+22	7,541772E+21	4,351662E+21	2,659274E+21	2,659320E+21	4,351818E+21	7,542061E+21
686	1,151373E+22	1,520226E+22	1,748075E+22	1,748031E+22	1,520140E+22	1,151297E+22	7,541655E+21	4,351698E+21	2,659350E+21	2,659412E+21	4,351846E+21	7,541794E+21
687	1,151306E+22	1,520128E+22	1,747989E+22	1,748018E+22	1,520176E+22	1,151344E+22	7,542164E+21	4,352179E+21	2,659694E+21	2,659575E+21	4,351815E+21	7,541653E+21
688	1,151307E+22	1,520176E+22	1,748053E+22	1,748049E+22	1,520174E+22	1,151309E+22	7,541733E+21	4,351982E+21	2,659792E+21	2,659908E+21	4,352332E+21	7,542211E+21
689	1,151335E+22	1,520154E+22	1,747981E+22	1,747942E+22	1,520102E+22	1,151303E+22	7,542029E+21	4,352321E+21	2,660053E+21	2,660053E+21	4,352302E+21	7,541910E+21
690	1,151267E+22	1,520052E+22	1,747917E+22	1,747958E+22	1,520141E+22	1,151339E+22	7,542357E+21	4,352638E+21	2,660351E+21	2,660305E+21	4,352499E+21	7,542177E+21
691	1,151326E+22	1,520128E+22	1,747947E+22	1,747937E+22	1,520091E+22	1,151279E+22	7,541947E+21	4,352501E+21	2,660431E+21	2,660557E+21	4,352855E+21	7,542420E+21
692	1,151314E+22	1,520076E+22	1,747851E+22	1,747832E+22	1,520054E+22	1,151311E+22	7,542503E+21	4,352969E+21	2,660691E+21	2,660596E+21	4,352659E+21	7,541984E+21
693	1,151253E+22	1,520036E+22	1,747894E+22	1,747913E+22	1,520089E+22	1,151307E+22	7,542368E+21	4,352911E+21	2,660749E+21	2,660739E+21	4,352890E+21	7,542402E+21
694	1,151321E+22	1,520100E+22	1,747907E+22	1,747876E+22	1,520030E+22	1,151252E+22	7,542026E+21	4,352745E+21	2,660700E+21	2,660796E+21	4,353003E+21	7,542316E+21
695	1,151267E+22	1,520005E+22	1,747806E+22	1,747840E+22	1,520070E+22	1,151316E+22	7,542543E+21	4,353053E+21	2,660787E+21	2,660672E+21	4,352723E+21	7,542064E+21
696	1,151269E+22	1,520060E+22	1,747900E+22	1,747911E+22	1,520099E+22	1,151304E+22	7,542130E+21	4,352644E+21	2,660551E+21	2,660628E+21	4,352904E+21	7,542546E+21
697	1,151338E+22	1,520110E+22	1,747902E+22	1,747861E+22	1,520038E+22	1,151279E+22	7,542140E+21	4,352605E+21	2,660390E+21	2,660380E+21	4,352563E+21	7,542085E+21
698	1,151282E+22	1,520048E+22	1,747881E+22	1,747916E+22	1,520109E+22	1,151323E+22	7,542363E+21	4,352676E+21	2,660321E+21	2,660192E+21	4,352307E+21	7,541944E+21
699	1,151316E+22	1,520153E+22	1,747996E+22	1,747983E+22	1,520119E+22	1,151283E+22	7,541774E+21	4,352194E+21	2,660035E+21	2,660119E+21	4,352451E+21	7,542166E+21
700	1,151318E+22	1,520130E+22	1,747957E+22	1,747931E+22	1,520104E+22	1,151313E+22	7,542103E+21	4,352317E+21	2,659954E+21	2,659880E+21	4,352085E+21	7,541704E+21
701	1,151258E+22	1,520074E+22	1,747980E+22	1,748023E+22	1,520174E+22	1,151340E+22	7,542101E+21	4,352211E+21	2,659858E+21	2,659820E+21	4,352112E+21	7,542002E+21
702	1,151336E+22	1,520168E+22	1,748019E+22	1,748012E+22	1,520134E+22	1,151289E+22	7,541684E+21	4,351918E+21	2,659704E+21	2,659831E+21	4,352256E+21	7,542059E+21
703	1,151310E+22	1,520105E+22	1,747921E+22	1,747935E+22	1,520135E+22	1,151336E+22	7,542214E+21	4,352317E+21	2,659877E+21	2,659766E+21	4,351988E+21	7,541724E+21
704	1,151287E+22	1,520126E+22	1,747996E+22	1,747998E+22	1,520158E+22	1,151330E+22	7,541991E+21	4,352167E+21	2,659900E+21	2,659933E+21	4,352273E+21	7,542169E+21
705	1,151346E+22	1,520170E+22	1,748001E+22	1,747950E+22	1,520076E+22	1,151274E+22	7,541871E+21	4,352241E+21	2,660020E+21	2,660069E+21	4,352352E+21	7,541992E+21
706	1,151285E+22	1,520059E+22	1,747895E+22	1,747931E+22	1,520113E+22	1,151314E+22	7,542271E+21	4,352656E+21	2,660354E+21	2,660261E+21	4,352391E+21	7,541929E+21
707	1,151290E+22	1,520107E+22	1,747950E+22	1,747954E+22	1,520114E+22	1,151289E+22	7,541922E+21	4,352477E+21	2,660435E+21	2,660571E+21	4,352887E+21	7,542474E+21
708	1,151318E+22	1,520085E+22	1,747876E+22	1,747839E+22	1,520033E+22	1,151287E+22	7,542291E+21	4,352848E+21	2,660695E+21	2,660706E+21	4,352850E+21	7,542184E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
709	1,151255E+22	1,519995E+22	1,747827E+22	1,747860E+22	1,520067E+22	1,151314E+22	7,542575E+21	4,353148E+21	2,660964E+21	2,660898E+21	4,352940E+21	7,542304E+21
710	1,151304E+22	1,520078E+22	1,747873E+22	1,747851E+22	1,520022E+22	1,151254E+22	7,542145E+21	4,352990E+21	2,661039E+21	2,661166E+21	4,353323E+21	7,542517E+21
711	1,151277E+22	1,520001E+22	1,747761E+22	1,747750E+22	1,519990E+22	1,151283E+22	7,542656E+21	4,353465E+21	2,661323E+21	2,661220E+21	4,353147E+21	7,542147E+21
712	1,151225E+22	1,519965E+22	1,747789E+22	1,747819E+22	1,520041E+22	1,151298E+22	7,542560E+21	4,353375E+21	2,661348E+21	2,661340E+21	4,353367E+21	7,542564E+21
713	1,151293E+22	1,520031E+22	1,747814E+22	1,747789E+22	1,519976E+22	1,151243E+22	7,542273E+21	4,353215E+21	2,661264E+21	2,661348E+21	4,353450E+21	7,542569E+21
714	1,151262E+22	1,519951E+22	1,747713E+22	1,747748E+22	1,520005E+22	1,151290E+22	7,542670E+21	4,353455E+21	2,661304E+21	2,661189E+21	4,353143E+21	7,542281E+21
715	1,151265E+22	1,520023E+22	1,747828E+22	1,747830E+22	1,520037E+22	1,151279E+22	7,542277E+21	4,353055E+21	2,661051E+21	2,661114E+21	4,353266E+21	7,542645E+21
716	1,151318E+22	1,520067E+22	1,747842E+22	1,747792E+22	1,519980E+22	1,151259E+22	7,542302E+21	4,353011E+21	2,660895E+21	2,660887E+21	4,352958E+21	7,542191E+21
717	1,151254E+22	1,519996E+22	1,747824E+22	1,747863E+22	1,520061E+22	1,151300E+22	7,542474E+21	4,353048E+21	2,660805E+21	2,660679E+21	4,352685E+21	7,542029E+21
718	1,151286E+22	1,520095E+22	1,747926E+22	1,747925E+22	1,520084E+22	1,151271E+22	7,541903E+21	4,352545E+21	2,660520E+21	2,660641E+21	4,352901E+21	7,542335E+21
719	1,151289E+22	1,520052E+22	1,747854E+22	1,747846E+22	1,520054E+22	1,151300E+22	7,542289E+21	4,352732E+21	2,660482E+21	2,660422E+21	4,352553E+21	7,541971E+21
720	1,151251E+22	1,520019E+22	1,747871E+22	1,747918E+22	1,520118E+22	1,151333E+22	7,542355E+21	4,352673E+21	2,660409E+21	2,660362E+21	4,352540E+21	7,542181E+21
721	1,151323E+22	1,520121E+22	1,747937E+22	1,747917E+22	1,520063E+22	1,151268E+22	7,541932E+21	4,352432E+21	2,660298E+21	2,660391E+21	4,352675E+21	7,542246E+21
722	1,151300E+22	1,520058E+22	1,747842E+22	1,747845E+22	1,520057E+22	1,151297E+22	7,542310E+21	4,352774E+21	2,660486E+21	2,660378E+21	4,352464E+21	7,541889E+21
723	1,151267E+22	1,520076E+22	1,747923E+22	1,747922E+22	1,520094E+22	1,151298E+22	7,542109E+21	4,352636E+21	2,660519E+21	2,660566E+21	4,352779E+21	7,542329E+21
724	1,151314E+22	1,520099E+22	1,747910E+22	1,747869E+22	1,520021E+22	1,151257E+22	7,542051E+21	4,352714E+21	2,660648E+21	2,660728E+21	4,352915E+21	7,542250E+21
725	1,151261E+22	1,519989E+22	1,747802E+22	1,747845E+22	1,520057E+22	1,151300E+22	7,542491E+21	4,353129E+21	2,660949E+21	2,660867E+21	4,352888E+21	7,542152E+21
726	1,151273E+22	1,520049E+22	1,747859E+22	1,747864E+22	1,520055E+22	1,151275E+22	7,542166E+21	4,352970E+21	2,661041E+21	2,661183E+21	4,353374E+21	7,542644E+21
727	1,151293E+22	1,520015E+22	1,747770E+22	1,747737E+22	1,519963E+22	1,151266E+22	7,542552E+21	4,353410E+21	2,661359E+21	2,661343E+21	4,353332E+21	7,542354E+21
728	1,151235E+22	1,519936E+22	1,747726E+22	1,747757E+22	1,520003E+22	1,151299E+22	7,542845E+21	4,353710E+21	2,661634E+21	2,661544E+21	4,353418E+21	7,542398E+21
729	1,151266E+22	1,520008E+22	1,747786E+22	1,747767E+22	1,519957E+22	1,151230E+22	7,542375E+21	4,353547E+21	2,661710E+21	2,661816E+21	4,353834E+21	7,542733E+21
730	1,151254E+22	1,519926E+22	1,747657E+22	1,747656E+22	1,519924E+22	1,151252E+22	7,542748E+21	4,353907E+21	2,661940E+21	2,661865E+21	4,353700E+21	7,542441E+21
731	1,151213E+22	1,519906E+22	1,747693E+22	1,747723E+22	1,519975E+22	1,151274E+22	7,542716E+21	4,353805E+21	2,661903E+21	2,661917E+21	4,353858E+21	7,542819E+21
732	1,151283E+22	1,519979E+22	1,747725E+22	1,747697E+22	1,519912E+22	1,151223E+22	7,542455E+21	4,353640E+21	2,661792E+21	2,661883E+21	4,353892E+21	7,542791E+21
733	1,151254E+22	1,519915E+22	1,747652E+22	1,747674E+22	1,519944E+22	1,151265E+22	7,542798E+21	4,353837E+21	2,661782E+21	2,661653E+21	4,353479E+21	7,542364E+21
734	1,151247E+22	1,519988E+22	1,747779E+22	1,747774E+22	1,519989E+22	1,151259E+22	7,542408E+21	4,353420E+21	2,661526E+21	2,661596E+21	4,353622E+21	7,542675E+21
735	1,151280E+22	1,519999E+22	1,747767E+22	1,747736E+22	1,519941E+22	1,151242E+22	7,542453E+21	4,353415E+21	2,661407E+21	2,661397E+21	4,353362E+21	7,542319E+21
736	1,151228E+22	1,519931E+22	1,747727E+22	1,747784E+22	1,520029E+22	1,151301E+22	7,542695E+21	4,353460E+21	2,661317E+21	2,661195E+21	4,353101E+21	7,542168E+21
737	1,151256E+22	1,520026E+22	1,747834E+22	1,747843E+22	1,520035E+22	1,151265E+22	7,542179E+21	4,353005E+21	2,661045E+21	2,661150E+21	4,353318E+21	7,542584E+21
738	1,151283E+22	1,519997E+22	1,747756E+22	1,747747E+22	1,519985E+22	1,151273E+22	7,542428E+21	4,353151E+21	2,661016E+21	2,660959E+21	4,352999E+21	7,542214E+21
739	1,151249E+22	1,519983E+22	1,747792E+22	1,747820E+22	1,520041E+22	1,151302E+22	7,542517E+21	4,353127E+21	2,660962E+21	2,660911E+21	4,352969E+21	7,542339E+21
740	1,151305E+22	1,520077E+22	1,747869E+22	1,747837E+22	1,519994E+22	1,151239E+22	7,542089E+21	4,352893E+21	2,660885E+21	2,660987E+21	4,353162E+21	7,542434E+21
741	1,151276E+22	1,520008E+22	1,747779E+22	1,747779E+22	1,519998E+22	1,151264E+22	7,542391E+21	4,353192E+21	2,661057E+21	2,660966E+21	4,352942E+21	7,542063E+21
742	1,151241E+22	1,520014E+22	1,747843E+22	1,747852E+22	1,520048E+22	1,151281E+22	7,542253E+21	4,353054E+21	2,661101E+21	2,661185E+21	4,353298E+21	7,542533E+21
743	1,151285E+22	1,520019E+22	1,747802E+22	1,747778E+22	1,519967E+22	1,151244E+22	7,542297E+21	4,353217E+21	2,661274E+21	2,661358E+21	4,353432E+21	7,542502E+21
744	1,151248E+22	1,519928E+22	1,747686E+22	1,747733E+22	1,519997E+22	1,151293E+22	7,542813E+21	4,353699E+21	2,661610E+21	2,661500E+21	4,353356E+21	7,542280E+21



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
745	1,151244E+22	1,519985E+22	1,747766E+22	1,747765E+22	1,519984E+22	1,151257E+22	7,542491E+21	4,353588E+21	2,661738E+21	2,661826E+21	4,353836E+21	7,542797E+21
746	1,151269E+22	1,519947E+22	1,747672E+22	1,747637E+22	1,519885E+22	1,151229E+22	7,542705E+21	4,353952E+21	2,662055E+21	2,662035E+21	4,353871E+21	7,542534E+21
747	1,151206E+22	1,519868E+22	1,747629E+22	1,747662E+22	1,519932E+22	1,151267E+22	7,543005E+21	4,354226E+21	2,662296E+21	2,662222E+21	4,353977E+21	7,542615E+21
748	1,151235E+22	1,519929E+22	1,747683E+22	1,747672E+22	1,519896E+22	1,151210E+22	7,542551E+21	4,354014E+21	2,662328E+21	2,662465E+21	4,354407E+21	7,543040E+21
749	1,151237E+22	1,519865E+22	1,747569E+22	1,747566E+22	1,519861E+22	1,151228E+22	7,542888E+21	4,354307E+21	2,662467E+21	2,662412E+21	4,354164E+21	7,542695E+21
750	1,151208E+22	1,519864E+22	1,747619E+22	1,747643E+22	1,519919E+22	1,151254E+22	7,542867E+21	4,354191E+21	2,662405E+21	2,662431E+21	4,354262E+21	7,542971E+21
751	1,151266E+22	1,519930E+22	1,747648E+22	1,747618E+22	1,519858E+22	1,151205E+22	7,542647E+21	4,354077E+21	2,662317E+21	2,662387E+21	4,354265E+21	7,542908E+21
752	1,151237E+22	1,519873E+22	1,747580E+22	1,747602E+22	1,519901E+22	1,151255E+22	7,543018E+21	4,354287E+21	2,662314E+21	2,662160E+21	4,353839E+21	7,542400E+21
753	1,151209E+22	1,519925E+22	1,747712E+22	1,747716E+22	1,519950E+22	1,151247E+22	7,542625E+21	4,353881E+21	2,662068E+21	2,662107E+21	4,354018E+21	7,542839E+21
754	1,151256E+22	1,519926E+22	1,747670E+22	1,747654E+22	1,519892E+22	1,151222E+22	7,542571E+21	4,353802E+21	2,661928E+21	2,661942E+21	4,353832E+21	7,542575E+21
755	1,151217E+22	1,519877E+22	1,747634E+22	1,747686E+22	1,519964E+22	1,151281E+22	7,542888E+21	4,353871E+21	2,661818E+21	2,661715E+21	4,353549E+21	7,542410E+21
756	1,151246E+22	1,519976E+22	1,747747E+22	1,747745E+22	1,519965E+22	1,151242E+22	7,542362E+21	4,353435E+21	2,661568E+21	2,661674E+21	4,353748E+21	7,542792E+21
757	1,151273E+22	1,519964E+22	1,747697E+22	1,747666E+22	1,519915E+22	1,151239E+22	7,542516E+21	4,353538E+21	2,661521E+21	2,661462E+21	4,353377E+21	7,542335E+21
758	1,151232E+22	1,519947E+22	1,747743E+22	1,747760E+22	1,519985E+22	1,151270E+22	7,542584E+21	4,353506E+21	2,661494E+21	2,661459E+21	4,353385E+21	7,542417E+21
759	1,151269E+22	1,520006E+22	1,747786E+22	1,747770E+22	1,519950E+22	1,151220E+22	7,542235E+21	4,353338E+21	2,661467E+21	2,661574E+21	4,353634E+21	7,542615E+21
760	1,151251E+22	1,519938E+22	1,747677E+22	1,747695E+22	1,519963E+22	1,151263E+22	7,542650E+21	4,353677E+21	2,661656E+21	2,661565E+21	4,353417E+21	7,542233E+21
761	1,151210E+22	1,519938E+22	1,747745E+22	1,747764E+22	1,519997E+22	1,151275E+22	7,542590E+21	4,353619E+21	2,661736E+21	2,661784E+21	4,353767E+21	7,542769E+21
762	1,151270E+22	1,519949E+22	1,747690E+22	1,747669E+22	1,519897E+22	1,151220E+22	7,542527E+21	4,353765E+21	2,661942E+21	2,662015E+21	4,353950E+21	7,542724E+21
763	1,151233E+22	1,519876E+22	1,747592E+22	1,747618E+22	1,519913E+22	1,151265E+22	7,543069E+21	4,354268E+21	2,662290E+21	2,662174E+21	4,353881E+21	7,542453E+21
764	1,151214E+22	1,519916E+22	1,747673E+22	1,747666E+22	1,519908E+22	1,151226E+22	7,542693E+21	4,354143E+21	2,662434E+21	2,662529E+21	4,354409E+21	7,543014E+21
765	1,151239E+22	1,519880E+22	1,747586E+22	1,747550E+22	1,519818E+22	1,151194E+22	7,542788E+21	4,354410E+21	2,662687E+21	2,662694E+21	4,354430E+21	7,542804E+21
766	1,151188E+22	1,519804E+22	1,747538E+22	1,747574E+22	1,519873E+22	1,151242E+22	7,543105E+21	4,354632E+21	2,662881E+21	2,662851E+21	4,354518E+21	7,542890E+21
767	1,151218E+22	1,519859E+22	1,747578E+22	1,747574E+22	1,519835E+22	1,151193E+22	7,542762E+21	4,354477E+21	2,662900E+21	2,663041E+21	4,354889E+21	7,543318E+21
768	1,151235E+22	1,519822E+22	1,747479E+22	1,747470E+22	1,519806E+22	1,151216E+22	7,543133E+21	4,354785E+21	2,663025E+21	2,662940E+21	4,354544E+21	7,542796E+21
769	1,151186E+22	1,519819E+22	1,747557E+22	1,747572E+22	1,519864E+22	1,151238E+22	7,543123E+21	4,354696E+21	2,662971E+21	2,662938E+21	4,354607E+21	7,543059E+21
770	1,151243E+22	1,519873E+22	1,747573E+22	1,747547E+22	1,519806E+22	1,151179E+22	7,542773E+21	4,354513E+21	2,662877E+21	2,662940E+21	4,354677E+21	7,543005E+21
771	1,151208E+22	1,519814E+22	1,747502E+22	1,747524E+22	1,519850E+22	1,151237E+22	7,543192E+21	4,354714E+21	2,662847E+21	2,662705E+21	4,354282E+21	7,542547E+21
772	1,151176E+22	1,519848E+22	1,747618E+22	1,747635E+22	1,519903E+22	1,151236E+22	7,542821E+21	4,354295E+21	2,662587E+21	2,662642E+21	4,354477E+21	7,543064E+21
773	1,151238E+22	1,519871E+22	1,747590E+22	1,747569E+22	1,519833E+22	1,151199E+22	7,542688E+21	4,354163E+21	2,662392E+21	2,662418E+21	4,354233E+21	7,542797E+21
774	1,151212E+22	1,519837E+22	1,747564E+22	1,747603E+22	1,519903E+22	1,151255E+22	7,542987E+21	4,354228E+21	2,662292E+21	2,662199E+21	4,353927E+21	7,542555E+21
775	1,151230E+22	1,519927E+22	1,747673E+22	1,747663E+22	1,519906E+22	1,151219E+22	7,542520E+21	4,353855E+21	2,662087E+21	2,662183E+21	4,354142E+21	7,542940E+21
776	1,151258E+22	1,519920E+22	1,747628E+22	1,747595E+22	1,519868E+22	1,151220E+22	7,542679E+21	4,353978E+21	2,662074E+21	2,662005E+21	4,353782E+21	7,542419E+21
777	1,151198E+22	1,519882E+22	1,747673E+22	1,747700E+22	1,519947E+22	1,151256E+22	7,542778E+21	4,353983E+21	2,662083E+21	2,662029E+21	4,353839E+21	7,542631E+21
778	1,151247E+22	1,519930E+22	1,747681E+22	1,747679E+22	1,519901E+22	1,151203E+22	7,542395E+21	4,353792E+21	2,662074E+21	2,662202E+21	4,354159E+21	7,542883E+21
779	1,151239E+22	1,519878E+22	1,747575E+22	1,747585E+22	1,519892E+22	1,151247E+22	7,542928E+21	4,354202E+21	2,662280E+21	2,662196E+21	4,353936E+21	7,542476E+21
780	1,151191E+22	1,519872E+22	1,747643E+22	1,747655E+22	1,519923E+22	1,151254E+22	7,542859E+21	4,354183E+21	2,662402E+21	2,662437E+21	4,354275E+21	7,542955E+21

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
781	1,151248E+22	1,519897E+22	1,747611E+22	1,747569E+22	1,519817E+22	1,151185E+22	7,542678E+21	4,354273E+21	2,662587E+21	2,662659E+21	4,354447E+21	7,542888E+21
782	1,151208E+22	1,519818E+22	1,747515E+22	1,747534E+22	1,519844E+22	1,151231E+22	7,543175E+21	4,354740E+21	2,662936E+21	2,662842E+21	4,354409E+21	7,542617E+21
783	1,151179E+22	1,519833E+22	1,747568E+22	1,747573E+22	1,519850E+22	1,151205E+22	7,542867E+21	4,354640E+21	2,663080E+21	2,663190E+21	4,354962E+21	7,543282E+21
784	1,151221E+22	1,519809E+22	1,747478E+22	1,747453E+22	1,519768E+22	1,151183E+22	7,543021E+21	4,354903E+21	2,663303E+21	2,663311E+21	4,354929E+21	7,543027E+21
785	1,151168E+22	1,519740E+22	1,747448E+22	1,747488E+22	1,519818E+22	1,151228E+22	7,543371E+21	4,355158E+21	2,663485E+21	2,663415E+21	4,354962E+21	7,543138E+21
786	1,151210E+22	1,519803E+22	1,747481E+22	1,747475E+22	1,519772E+22	1,151170E+22	7,542954E+21	4,354970E+21	2,663504E+21	2,663627E+21	4,355331E+21	7,543489E+21
787	1,151223E+22	1,519783E+22	1,747411E+22	1,747381E+22	1,519736E+22	1,151195E+22	7,543373E+21	4,355282E+21	2,663610E+21	2,663514E+21	4,354975E+21	7,542901E+21
788	1,151155E+22	1,519756E+22	1,747485E+22	1,747500E+22	1,519808E+22	1,151216E+22	7,543310E+21	4,355175E+21	2,663558E+21	2,663519E+21	4,355055E+21	7,543163E+21
789	1,151209E+22	1,519809E+22	1,747500E+22	1,747478E+22	1,519758E+22	1,151156E+22	7,542851E+21	4,354884E+21	2,663392E+21	2,663477E+21	4,355126E+21	7,543199E+21
790	1,151187E+22	1,519753E+22	1,747421E+22	1,747446E+22	1,519801E+22	1,151219E+22	7,543274E+21	4,355038E+21	2,663320E+21	2,663217E+21	4,354716E+21	7,542759E+21
791	1,151160E+22	1,519781E+22	1,747517E+22	1,747537E+22	1,519846E+22	1,151221E+22	7,543005E+21	4,354691E+21	2,663067E+21	2,663123E+21	4,354876E+21	7,543290E+21
792	1,151237E+22	1,519830E+22	1,747508E+22	1,747481E+22	1,519779E+22	1,151183E+22	7,542874E+21	4,354580E+21	2,662886E+21	2,662886E+21	4,354571E+21	7,542895E+21
793	1,151194E+22	1,519797E+22	1,747509E+22	1,747539E+22	1,519849E+22	1,151232E+22	7,543152E+21	4,354672E+21	2,662817E+21	2,662682E+21	4,354280E+21	7,542680E+21
794	1,151210E+22	1,519870E+22	1,747600E+22	1,747592E+22	1,519853E+22	1,151191E+22	7,542617E+21	4,354275E+21	2,662645E+21	2,662746E+21	4,354584E+21	7,543084E+21
795	1,151235E+22	1,519863E+22	1,747553E+22	1,747517E+22	1,519815E+22	1,151204E+22	7,542863E+21	4,354409E+21	2,662632E+21	2,662588E+21	4,354268E+21	7,542610E+21
796	1,151169E+22	1,519807E+22	1,747576E+22	1,747613E+22	1,519895E+22	1,151247E+22	7,543014E+21	4,354453E+21	2,662667E+21	2,662626E+21	4,354328E+21	7,542837E+21
797	1,151228E+22	1,519872E+22	1,747592E+22	1,747584E+22	1,519839E+22	1,151183E+22	7,542572E+21	4,354246E+21	2,662645E+21	2,662778E+21	4,354622E+21	7,543100E+21
798	1,151228E+22	1,519828E+22	1,747492E+22	1,747488E+22	1,519823E+22	1,151222E+22	7,543091E+21	4,354675E+21	2,662888E+21	2,662807E+21	4,354402E+21	7,542630E+21
799	1,151168E+22	1,519805E+22	1,747548E+22	1,747555E+22	1,519852E+22	1,151231E+22	7,543094E+21	4,354728E+21	2,663059E+21	2,663081E+21	4,354777E+21	7,543136E+21
800	1,151225E+22	1,519832E+22	1,747520E+22	1,747483E+22	1,519758E+22	1,151161E+22	7,542881E+21	4,354819E+21	2,663264E+21	2,663326E+21	4,354968E+21	7,543053E+21
801	1,151174E+22	1,519741E+22	1,747425E+22	1,747453E+22	1,519790E+22	1,151210E+22	7,543370E+21	4,355273E+21	2,663605E+21	2,663500E+21	4,354961E+21	7,542920E+21
802	1,151162E+22	1,519754E+22	1,747452E+22	1,747465E+22	1,519784E+22	1,151183E+22	7,543047E+21	4,355137E+21	2,663736E+21	2,663864E+21	4,355530E+21	7,543589E+21
803	1,151215E+22	1,519757E+22	1,747382E+22	1,747340E+22	1,519688E+22	1,151162E+22	7,543284E+21	4,355426E+21	2,663934E+21	2,663945E+21	4,355434E+21	7,543248E+21
804	1,151153E+22	1,519685E+22	1,747362E+22	1,747392E+22	1,519750E+22	1,151207E+22	7,543604E+21	4,355690E+21	2,664124E+21	2,664031E+21	4,355413E+21	7,543249E+21
805	1,151188E+22	1,519759E+22	1,747417E+22	1,747396E+22	1,519707E+22	1,151141E+22	7,543071E+21	4,355418E+21	2,664087E+21	2,664202E+21	4,355754E+21	7,543580E+21
806	1,151193E+22	1,519724E+22	1,747343E+22	1,747316E+22	1,519686E+22	1,151170E+22	7,543459E+21	4,355683E+21	2,664165E+21	2,664083E+21	4,355413E+21	7,543005E+21
807	1,151117E+22	1,519671E+22	1,747385E+22	1,747421E+22	1,519766E+22	1,151207E+22	7,543496E+21	4,355590E+21	2,664084E+21	2,664059E+21	4,355510E+21	7,543366E+21
808	1,151188E+22	1,519738E+22	1,747399E+22	1,747394E+22	1,519714E+22	1,151149E+22	7,543069E+21	4,355294E+21	2,663887E+21	2,663970E+21	4,355528E+21	7,543375E+21
809	1,151171E+22	1,519696E+22	1,747339E+22	1,747366E+22	1,519747E+22	1,151205E+22	7,543487E+21	4,355465E+21	2,663807E+21	2,663674E+21	4,355091E+21	7,542989E+21
810	1,151157E+22	1,519735E+22	1,747430E+22	1,747441E+22	1,519779E+22	1,151197E+22	7,543142E+21	4,355099E+21	2,663581E+21	2,663629E+21	4,355266E+21	7,543450E+21
811	1,151230E+22	1,519800E+22	1,747449E+22	1,747398E+22	1,519707E+22	1,151157E+22	7,543047E+21	4,355001E+21	2,663410E+21	2,663412E+21	4,354980E+21	7,543017E+21
812	1,151171E+22	1,519743E+22	1,747445E+22	1,747478E+22	1,519798E+22	1,151208E+22	7,543274E+21	4,355096E+21	2,663371E+21	2,663243E+21	4,354723E+21	7,542811E+21
813	1,151185E+22	1,519816E+22	1,747528E+22	1,747524E+22	1,519807E+22	1,151170E+22	7,542687E+21	4,354636E+21	2,663163E+21	2,663293E+21	4,355044E+21	7,543299E+21
814	1,151218E+22	1,519806E+22	1,747473E+22	1,747439E+22	1,519764E+22	1,151189E+22	7,542991E+21	4,354789E+21	2,663156E+21	2,663141E+21	4,354725E+21	7,542819E+21
815	1,151153E+22	1,519739E+22	1,747473E+22	1,747513E+22	1,519834E+22	1,151235E+22	7,543277E+21	4,354941E+21	2,663239E+21	2,663189E+21	4,354774E+21	7,543021E+21
816	1,151214E+22	1,519818E+22	1,747503E+22	1,747492E+22	1,519778E+22	1,151167E+22	7,542832E+21	4,354777E+21	2,663266E+21	2,663365E+21	4,355041E+21	7,543185E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
817	1,151199E+22	1,519769E+22	1,747419E+22	1,747411E+22	1,519759E+22	1,151198E+22	7,543316E+21	4,355230E+21	2,663548E+21	2,663431E+21	4,354880E+21	7,542801E+21
818	1,151140E+22	1,519727E+22	1,747441E+22	1,747458E+22	1,519786E+22	1,151203E+22	7,543255E+21	4,355261E+21	2,663754E+21	2,663782E+21	4,355344E+21	7,543356E+21
819	1,151201E+22	1,519761E+22	1,747419E+22	1,747381E+22	1,519689E+22	1,151143E+22	7,543114E+21	4,355342E+21	2,663936E+21	2,664024E+21	4,355561E+21	7,543334E+21
820	1,151152E+22	1,519663E+22	1,747317E+22	1,747352E+22	1,519723E+22	1,151190E+22	7,543590E+21	4,355798E+21	2,664267E+21	2,664172E+21	4,355512E+21	7,543170E+21
821	1,151149E+22	1,519700E+22	1,747359E+22	1,747363E+22	1,519712E+22	1,151157E+22	7,543209E+21	4,355614E+21	2,664346E+21	2,664479E+21	4,356022E+21	7,543814E+21
822	1,151205E+22	1,519713E+22	1,747308E+22	1,747253E+22	1,519621E+22	1,151137E+22	7,543419E+21	4,355876E+21	2,664531E+21	2,664542E+21	4,355880E+21	7,543371E+21
823	1,151127E+22	1,519623E+22	1,747276E+22	1,747306E+22	1,519689E+22	1,151188E+22	7,543824E+21	4,356185E+21	2,664724E+21	2,664622E+21	4,355862E+21	7,543363E+21
824	1,151158E+22	1,519691E+22	1,747334E+22	1,747328E+22	1,519665E+22	1,151127E+22	7,543269E+21	4,355891E+21	2,664671E+21	2,664772E+21	4,356189E+21	7,543691E+21
825	1,151159E+22	1,519649E+22	1,747256E+22	1,747247E+22	1,519644E+22	1,151159E+22	7,543648E+21	4,356122E+21	2,664709E+21	2,664622E+21	4,355878E+21	7,543270E+21
826	1,151102E+22	1,519597E+22	1,747268E+22	1,747316E+22	1,519704E+22	1,151191E+22	7,543680E+21	4,356010E+21	2,664616E+21	2,664602E+21	4,355973E+21	7,543626E+21
827	1,151185E+22	1,519695E+22	1,747312E+22	1,747289E+22	1,519637E+22	1,151129E+22	7,543295E+21	4,355725E+21	2,664398E+21	2,664481E+21	4,355943E+21	7,543566E+21
828	1,151160E+22	1,519654E+22	1,747269E+22	1,747283E+22	1,519679E+22	1,151177E+22	7,543629E+21	4,355888E+21	2,664333E+21	2,664186E+21	4,355466E+21	7,543077E+21
829	1,151142E+22	1,519707E+22	1,747380E+22	1,747375E+22	1,519717E+22	1,151164E+22	7,543189E+21	4,355455E+21	2,664074E+21	2,664129E+21	4,355649E+21	7,543553E+21
830	1,151208E+22	1,519756E+22	1,747397E+22	1,747347E+22	1,519664E+22	1,151133E+22	7,543075E+21	4,355330E+21	2,663898E+21	2,663923E+21	4,355382E+21	7,543127E+21
831	1,151140E+22	1,519672E+22	1,747358E+22	1,747408E+22	1,519761E+22	1,151202E+22	7,543463E+21	4,355488E+21	2,663873E+21	2,663759E+21	4,355153E+21	7,542992E+21
832	1,151164E+22	1,519749E+22	1,747437E+22	1,747451E+22	1,519768E+22	1,151167E+22	7,542944E+21	4,355082E+21	2,663686E+21	2,663801E+21	4,355435E+21	7,543438E+21
833	1,151197E+22	1,519745E+22	1,747388E+22	1,747361E+22	1,519713E+22	1,151179E+22	7,543263E+21	4,355292E+21	2,663724E+21	2,663677E+21	4,355155E+21	7,543028E+21
834	1,151138E+22	1,519678E+22	1,747369E+22	1,747406E+22	1,519763E+22	1,151215E+22	7,543514E+21	4,355473E+21	2,663882E+21	2,663819E+21	4,355263E+21	7,543189E+21
835	1,151194E+22	1,519765E+22	1,747419E+22	1,747391E+22	1,519695E+22	1,151140E+22	7,543085E+21	4,355330E+21	2,663943E+21	2,664045E+21	4,355584E+21	7,543362E+21
836	1,151166E+22	1,519694E+22	1,747325E+22	1,747325E+22	1,519693E+22	1,151168E+22	7,543474E+21	4,355763E+21	2,664249E+21	2,664146E+21	4,355462E+21	7,543023E+21
837	1,151117E+22	1,519663E+22	1,747343E+22	1,747359E+22	1,519717E+22	1,151173E+22	7,543341E+21	4,355704E+21	2,664392E+21	2,664462E+21	4,355931E+21	7,543671E+21
838	1,151189E+22	1,519700E+22	1,747320E+22	1,747280E+22	1,519619E+22	1,151116E+22	7,543232E+21	4,355783E+21	2,664549E+21	2,664662E+21	4,356092E+21	7,543601E+21
839	1,151140E+22	1,519602E+22	1,747213E+22	1,747247E+22	1,519654E+22	1,151172E+22	7,543834E+21	4,356306E+21	2,664881E+21	2,664779E+21	4,355991E+21	7,543373E+21
840	1,151135E+22	1,519648E+22	1,747278E+22	1,747280E+22	1,519651E+22	1,151138E+22	7,543456E+21	4,356144E+21	2,664971E+21	2,665067E+21	4,356431E+21	7,543876E+21
841	1,151172E+22	1,519653E+22	1,747239E+22	1,747190E+22	1,519569E+22	1,151119E+22	7,543652E+21	4,356400E+21	2,665148E+21	2,665132E+21	4,356334E+21	7,543506E+21
842	1,151094E+22	1,519544E+22	1,747171E+22	1,747218E+22	1,519635E+22	1,151170E+22	7,544017E+21	4,356675E+21	2,665347E+21	2,665249E+21	4,356365E+21	7,543532E+21
843	1,151128E+22	1,519620E+22	1,747235E+22	1,747230E+22	1,519603E+22	1,151116E+22	7,543527E+21	4,356360E+21	2,665250E+21	2,665365E+21	4,356685E+21	7,543910E+21
844	1,151135E+22	1,519576E+22	1,747155E+22	1,747155E+22	1,519582E+22	1,151141E+22	7,543855E+21	4,356577E+21	2,665263E+21	2,665175E+21	4,356326E+21	7,543475E+21
845	1,151095E+22	1,519558E+22	1,747185E+22	1,747219E+22	1,519632E+22	1,151161E+22	7,543784E+21	4,356392E+21	2,665112E+21	2,665101E+21	4,356379E+21	7,543827E+21
846	1,151180E+22	1,519666E+22	1,747254E+22	1,747214E+22	1,519573E+22	1,151099E+22	7,543359E+21	4,356082E+21	2,664880E+21	2,664964E+21	4,356313E+21	7,543686E+21
847	1,151142E+22	1,519611E+22	1,747207E+22	1,747219E+22	1,519626E+22	1,151154E+22	7,543760E+21	4,356271E+21	2,664820E+21	2,664678E+21	4,355857E+21	7,543199E+21
848	1,151117E+22	1,519651E+22	1,747317E+22	1,747329E+22	1,519685E+22	1,151150E+22	7,543327E+21	4,355840E+21	2,664570E+21	2,664621E+21	4,356029E+21	7,543660E+21
849	1,151178E+22	1,519693E+22	1,747324E+22	1,747296E+22	1,519635E+22	1,151128E+22	7,543263E+21	4,355719E+21	2,664387E+21	2,664417E+21	4,355811E+21	7,543362E+21
850	1,151125E+22	1,519605E+22	1,747247E+22	1,747308E+22	1,519705E+22	1,151193E+22	7,543704E+21	4,355939E+21	2,664419E+21	2,664307E+21	4,355601E+21	7,543196E+21
851	1,151151E+22	1,519700E+22	1,747347E+22	1,747347E+22	1,519696E+22	1,151154E+22	7,543245E+21	4,355593E+21	2,664276E+21	2,664374E+21	4,355873E+21	7,543587E+21
852	1,151175E+22	1,519689E+22	1,747303E+22	1,747272E+22	1,519642E+22	1,151150E+22	7,543466E+21	4,355820E+21	2,664367E+21	2,664303E+21	4,355616E+21	7,543139E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
853	1,151115E+22	1,519628E+22	1,747286E+22	1,747314E+22	1,519686E+22	1,151177E+22	7,543614E+21	4,355940E+21	2,664510E+21	2,664463E+21	4,355787E+21	7,543384E+21
854	1,151167E+22	1,519702E+22	1,747334E+22	1,747310E+22	1,519634E+22	1,151109E+22	7,543150E+21	4,355758E+21	2,664558E+21	2,664692E+21	4,356130E+21	7,543599E+21
855	1,151140E+22	1,519618E+22	1,747217E+22	1,747227E+22	1,519632E+22	1,151151E+22	7,543660E+21	4,356219E+21	2,664852E+21	2,664779E+21	4,356008E+21	7,543307E+21
856	1,151102E+22	1,519597E+22	1,747244E+22	1,747270E+22	1,519659E+22	1,151157E+22	7,543581E+21	4,356204E+21	2,664997E+21	2,665055E+21	4,356395E+21	7,543867E+21
857	1,151173E+22	1,519646E+22	1,747235E+22	1,747199E+22	1,519563E+22	1,151101E+22	7,543485E+21	4,356309E+21	2,665164E+21	2,665252E+21	4,356557E+21	7,543803E+21
858	1,151123E+22	1,519543E+22	1,747113E+22	1,747143E+22	1,519584E+22	1,151152E+22	7,544097E+21	4,356867E+21	2,665553E+21	2,665429E+21	4,356479E+21	7,543505E+21
859	1,151106E+22	1,519590E+22	1,747197E+22	1,747189E+22	1,519580E+22	1,151119E+22	7,543749E+21	4,356715E+21	2,665650E+21	2,665732E+21	4,356940E+21	7,544003E+21
860	1,151133E+22	1,519571E+22	1,747142E+22	1,747111E+22	1,519516E+22	1,151098E+22	7,543851E+21	4,356928E+21	2,665815E+21	2,665802E+21	4,356867E+21	7,543693E+21
861	1,151069E+22	1,519477E+22	1,747065E+22	1,747116E+22	1,519570E+22	1,151147E+22	7,544146E+21	4,357096E+21	2,665923E+21	2,665858E+21	4,356899E+21	7,543825E+21
862	1,151116E+22	1,519563E+22	1,747139E+22	1,747131E+22	1,519535E+22	1,151090E+22	7,543638E+21	4,356753E+21	2,665774E+21	2,665903E+21	4,357136E+21	7,544147E+21
863	1,151126E+22	1,519527E+22	1,747067E+22	1,747059E+22	1,519515E+22	1,151117E+22	7,544017E+21	4,356987E+21	2,665769E+21	2,665676E+21	4,356723E+21	7,543653E+21
864	1,151085E+22	1,519520E+22	1,747127E+22	1,747156E+22	1,519577E+22	1,151135E+22	7,543923E+21	4,356800E+21	2,665612E+21	2,665575E+21	4,356710E+21	7,543886E+21
865	1,151155E+22	1,519620E+22	1,747203E+22	1,747172E+22	1,519537E+22	1,151081E+22	7,543498E+21	4,356475E+21	2,665368E+21	2,665443E+21	4,356697E+21	7,543817E+21
866	1,151115E+22	1,519547E+22	1,747122E+22	1,747150E+22	1,519589E+22	1,151144E+22	7,543923E+21	4,356671E+21	2,665337E+21	2,665204E+21	4,356290E+21	7,543367E+21
867	1,151093E+22	1,519591E+22	1,747233E+22	1,747245E+22	1,519635E+22	1,151146E+22	7,543599E+21	4,356272E+21	2,665088E+21	2,665143E+21	4,356454E+21	7,543828E+21
868	1,151154E+22	1,519624E+22	1,747230E+22	1,747213E+22	1,519584E+22	1,151116E+22	7,543508E+21	4,356186E+21	2,664936E+21	2,664956E+21	4,356224E+21	7,543521E+21
869	1,151114E+22	1,519564E+22	1,747158E+22	1,747206E+22	1,519635E+22	1,151167E+22	7,543850E+21	4,356365E+21	2,664962E+21	2,664855E+21	4,356040E+21	7,543382E+21
870	1,151136E+22	1,519655E+22	1,747272E+22	1,747258E+22	1,519624E+22	1,151121E+22	7,543351E+21	4,356030E+21	2,664847E+21	2,664943E+21	4,356317E+21	7,543731E+21
871	1,151149E+22	1,519629E+22	1,747220E+22	1,747189E+22	1,519578E+22	1,151121E+22	7,543613E+21	4,356283E+21	2,664965E+21	2,664914E+21	4,356125E+21	7,543351E+21
872	1,151090E+22	1,519561E+22	1,747204E+22	1,747244E+22	1,519634E+22	1,151151E+22	7,543746E+21	4,356398E+21	2,665114E+21	2,665075E+21	4,356287E+21	7,543603E+21
873	1,151144E+22	1,519633E+22	1,747243E+22	1,747231E+22	1,519585E+22	1,151095E+22	7,543348E+21	4,356220E+21	2,665145E+21	2,665297E+21	4,356663E+21	7,543907E+21
874	1,151128E+22	1,519552E+22	1,747104E+22	1,747114E+22	1,519562E+22	1,151133E+22	7,543912E+21	4,356740E+21	2,665488E+21	2,665415E+21	4,356522E+21	7,543543E+21
875	1,151089E+22	1,519548E+22	1,747154E+22	1,747162E+22	1,519582E+22	1,151139E+22	7,543897E+21	4,356782E+21	2,665672E+21	2,665701E+21	4,356867E+21	7,543992E+21
876	1,151145E+22	1,519583E+22	1,747150E+22	1,747115E+22	1,519500E+22	1,151077E+22	7,543737E+21	4,356900E+21	2,665875E+21	2,665934E+21	4,357035E+21	7,543883E+21
877	1,151092E+22	1,519485E+22	1,747024E+22	1,747051E+22	1,519517E+22	1,151123E+22	7,544247E+21	4,357378E+21	2,666221E+21	2,666108E+21	4,357023E+21	7,543686E+21
878	1,151072E+22	1,519513E+22	1,747102E+22	1,747104E+22	1,519525E+22	1,151095E+22	7,543878E+21	4,357182E+21	2,666275E+21	2,666369E+21	4,357468E+21	7,544226E+21
879	1,151104E+22	1,519489E+22	1,747030E+22	1,747011E+22	1,519457E+22	1,151082E+22	7,544062E+21	4,357386E+21	2,666389E+21	2,666395E+21	4,357385E+21	7,543980E+21
880	1,151056E+22	1,519412E+22	1,746971E+22	1,747026E+22	1,519508E+22	1,151126E+22	7,544340E+21	4,357542E+21	2,666457E+21	2,666379E+21	4,357316E+21	7,544030E+21
881	1,151107E+22	1,519518E+22	1,747066E+22	1,747053E+22	1,519481E+22	1,151072E+22	7,543820E+21	4,357174E+21	2,666276E+21	2,666396E+21	4,357541E+21	7,544346E+21
882	1,151116E+22	1,519484E+22	1,746990E+22	1,746970E+22	1,519450E+22	1,151094E+22	7,544186E+21	4,357421E+21	2,666305E+21	2,666203E+21	4,357127E+21	7,543782E+21
883	1,151065E+22	1,519478E+22	1,747069E+22	1,747086E+22	1,519523E+22	1,151117E+22	7,544115E+21	4,357242E+21	2,666156E+21	2,666109E+21	4,357118E+21	7,543997E+21
884	1,151124E+22	1,519554E+22	1,747128E+22	1,747115E+22	1,519504E+22	1,151066E+22	7,543639E+21	4,356888E+21	2,665907E+21	2,665983E+21	4,357111E+21	7,543964E+21
885	1,151097E+22	1,519493E+22	1,747031E+22	1,747059E+22	1,519535E+22	1,151126E+22	7,544049E+21	4,357030E+21	2,665824E+21	2,665720E+21	4,356735E+21	7,543607E+21
886	1,151081E+22	1,519538E+22	1,747148E+22	1,747157E+22	1,519576E+22	1,151125E+22	7,543743E+21	4,356664E+21	2,665576E+21	2,665626E+21	4,356836E+21	7,543989E+21
887	1,151139E+22	1,519574E+22	1,747146E+22	1,747119E+22	1,519519E+22	1,151093E+22	7,543693E+21	4,356621E+21	2,665458E+21	2,665469E+21	4,356622E+21	7,543664E+21
888	1,151095E+22	1,519516E+22	1,747095E+22	1,747134E+22	1,519572E+22	1,151138E+22	7,544003E+21	4,356815E+21	2,665516E+21	2,665389E+21	4,356431E+21	7,543473E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
889	1,151107E+22	1,519597E+22	1,747204E+22	1,747196E+22	1,519578E+22	1,151099E+22	7,543494E+21	4,356470E+21	2,665409E+21	2,665516E+21	4,356796E+21	7,543924E+21
890	1,151121E+22	1,519554E+22	1,747117E+22	1,747096E+22	1,519523E+22	1,151104E+22	7,543786E+21	4,356752E+21	2,665578E+21	2,665544E+21	4,356654E+21	7,543598E+21
891	1,151069E+22	1,519495E+22	1,747108E+22	1,747143E+22	1,519571E+22	1,151139E+22	7,544014E+21	4,356914E+21	2,665744E+21	2,665704E+21	4,356796E+21	7,543834E+21
892	1,151123E+22	1,519563E+22	1,747141E+22	1,747137E+22	1,519527E+22	1,151078E+22	7,543609E+21	4,356778E+21	2,665811E+21	2,665942E+21	4,357144E+21	7,544094E+21
893	1,151117E+22	1,519506E+22	1,747011E+22	1,747005E+22	1,519487E+22	1,151106E+22	7,544111E+21	4,357264E+21	2,666146E+21	2,666075E+21	4,357042E+21	7,543745E+21
894	1,151068E+22	1,519493E+22	1,747075E+22	1,747071E+22	1,519510E+22	1,151109E+22	7,544076E+21	4,357319E+21	2,666343E+21	2,666360E+21	4,357370E+21	7,544128E+21
895	1,151110E+22	1,519508E+22	1,747057E+22	1,747027E+22	1,519441E+22	1,151054E+22	7,543938E+21	4,357434E+21	2,666549E+21	2,666618E+21	4,357599E+21	7,544104E+21
896	1,151060E+22	1,519404E+22	1,746930E+22	1,746969E+22	1,519464E+22	1,151103E+22	7,544417E+21	4,357862E+21	2,666851E+21	2,666749E+21	4,357556E+21	7,543940E+21
897	1,151050E+22	1,519436E+22	1,746996E+22	1,747010E+22	1,519472E+22	1,151082E+22	7,544090E+21	4,357637E+21	2,666843E+21	2,666958E+21	4,357993E+21	7,544535E+21
898	1,151095E+22	1,519425E+22	1,746918E+22	1,746894E+22	1,519384E+22	1,151062E+22	7,544286E+21	4,357872E+21	2,666973E+21	2,666971E+21	4,357855E+21	7,544228E+21
899	1,151051E+22	1,519374E+22	1,746896E+22	1,746925E+22	1,519432E+22	1,151101E+22	7,544555E+21	4,358033E+21	2,667039E+21	2,666931E+21	4,357716E+21	7,544146E+21
900	1,151085E+22	1,519468E+22	1,747000E+22	1,746983E+22	1,519425E+22	1,151047E+22	7,543987E+21	4,357647E+21	2,666858E+21	2,666951E+21	4,357922E+21	7,544412E+21
901	1,151094E+22	1,519441E+22	1,746925E+22	1,746899E+22	1,519398E+22	1,151068E+22	7,544254E+21	4,357789E+21	2,666821E+21	2,666742E+21	4,357563E+21	7,543935E+21
902	1,151039E+22	1,519418E+22	1,746997E+22	1,747020E+22	1,519480E+22	1,151099E+22	7,544207E+21	4,357596E+21	2,666637E+21	2,666598E+21	4,357511E+21	7,544142E+21
903	1,151099E+22	1,519486E+22	1,747037E+22	1,747035E+22	1,519462E+22	1,151059E+22	7,543835E+21	4,357270E+21	2,666374E+21	2,666459E+21	4,357506E+21	7,544152E+21
904	1,151081E+22	1,519437E+22	1,746956E+22	1,746985E+22	1,519484E+22	1,151110E+22	7,544229E+21	4,357432E+21	2,666297E+21	2,666173E+21	4,357080E+21	7,543741E+21
905	1,151065E+22	1,519488E+22	1,747076E+22	1,747082E+22	1,519526E+22	1,151110E+22	7,543936E+21	4,357080E+21	2,666066E+21	2,666109E+21	4,357222E+21	7,544126E+21
906	1,151117E+22	1,519519E+22	1,747065E+22	1,747029E+22	1,519453E+22	1,151070E+22	7,543884E+21	4,357093E+21	2,666031E+21	2,666036E+21	4,357071E+21	7,543821E+21
907	1,151071E+22	1,519460E+22	1,747022E+22	1,747052E+22	1,519511E+22	1,151115E+22	7,544177E+21	4,357301E+21	2,666130E+21	2,666003E+21	4,356922E+21	7,543652E+21
908	1,151079E+22	1,519522E+22	1,747111E+22	1,747117E+22	1,519532E+22	1,151082E+22	7,543666E+21	4,356949E+21	2,666039E+21	2,666155E+21	4,357305E+21	7,544166E+21
909	1,151112E+22	1,519498E+22	1,747016E+22	1,746988E+22	1,519455E+22	1,151080E+22	7,543926E+21	4,357186E+21	2,666171E+21	2,666173E+21	4,357196E+21	7,543902E+21
910	1,151062E+22	1,519443E+22	1,747018E+22	1,747043E+22	1,519500E+22	1,151110E+22	7,544178E+21	4,357400E+21	2,666353E+21	2,666303E+21	4,357261E+21	7,544024E+21
911	1,151107E+22	1,519508E+22	1,747053E+22	1,747040E+22	1,519461E+22	1,151055E+22	7,543829E+21	4,357308E+21	2,666458E+21	2,666576E+21	4,357627E+21	7,544248E+21
912	1,151090E+22	1,519444E+22	1,746940E+22	1,746929E+22	1,519424E+22	1,151080E+22	7,544310E+21	4,357801E+21	2,666807E+21	2,666719E+21	4,357527E+21	7,543873E+21
913	1,151034E+22	1,519416E+22	1,746987E+22	1,746998E+22	1,519465E+22	1,151094E+22	7,544285E+21	4,357828E+21	2,666983E+21	2,667016E+21	4,357919E+21	7,544331E+21
914	1,151076E+22	1,519421E+22	1,746938E+22	1,746918E+22	1,519379E+22	1,151040E+22	7,544185E+21	4,357963E+21	2,667208E+21	2,667288E+21	4,358163E+21	7,544377E+21
915	1,151040E+22	1,519333E+22	1,746822E+22	1,746854E+22	1,519392E+22	1,151088E+22	7,544692E+21	4,358396E+21	2,667490E+21	2,667379E+21	4,358063E+21	7,544182E+21
916	1,151035E+22	1,519370E+22	1,746894E+22	1,746909E+22	1,519406E+22	1,151061E+22	7,544311E+21	4,358158E+21	2,667469E+21	2,667556E+21	4,358427E+21	7,544716E+21
917	1,151091E+22	1,519387E+22	1,746834E+22	1,746788E+22	1,519304E+22	1,151028E+22	7,544401E+21	4,358309E+21	2,667546E+21	2,667549E+21	4,358309E+21	7,544410E+21
918	1,151037E+22	1,519333E+22	1,746837E+22	1,746854E+22	1,519366E+22	1,151065E+22	7,544641E+21	4,358458E+21	2,667586E+21	2,667469E+21	4,358124E+21	7,544254E+21
919	1,151057E+22	1,519409E+22	1,746930E+22	1,746921E+22	1,519383E+22	1,151028E+22	7,544106E+21	4,358052E+21	2,667389E+21	2,667493E+21	4,358365E+21	7,544570E+21
920	1,151066E+22	1,519375E+22	1,746857E+22	1,746842E+22	1,519361E+22	1,151055E+22	7,544383E+21	4,358151E+21	2,667302E+21	2,667234E+21	4,357968E+21	7,544114E+21
921	1,151020E+22	1,519355E+22	1,746913E+22	1,746948E+22	1,519443E+22	1,151095E+22	7,544407E+21	4,357959E+21	2,667082E+21	2,667061E+21	4,357904E+21	7,544314E+21
922	1,151083E+22	1,519427E+22	1,746941E+22	1,746935E+22	1,519400E+22	1,151046E+22	7,544065E+21	4,357712E+21	2,666886E+21	2,666952E+21	4,357884E+21	7,544295E+21
923	1,151068E+22	1,519394E+22	1,746885E+22	1,746893E+22	1,519416E+22	1,151091E+22	7,544442E+21	4,357906E+21	2,666857E+21	2,666702E+21	4,357458E+21	7,543826E+21
924	1,151039E+22	1,519428E+22	1,747000E+22	1,747010E+22	1,519473E+22	1,151088E+22	7,544108E+21	4,357561E+21	2,666663E+21	2,666686E+21	4,357636E+21	7,544236E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
925	1,151097E+22	1,519463E+22	1,746982E+22	1,746944E+22	1,519393E+22	1,151042E+22	7,543960E+21	4,357496E+21	2,666601E+21	2,666643E+21	4,357596E+21	7,544074E+21
926	1,151053E+22	1,519398E+22	1,746938E+22	1,746971E+22	1,519453E+22	1,151088E+22	7,544271E+21	4,357707E+21	2,666683E+21	2,666579E+21	4,357414E+21	7,543900E+21
927	1,151063E+22	1,519456E+22	1,747014E+22	1,747024E+22	1,519475E+22	1,151067E+22	7,543868E+21	4,357401E+21	2,666605E+21	2,666737E+21	4,357797E+21	7,544418E+21
928	1,151100E+22	1,519445E+22	1,746941E+22	1,746905E+22	1,519393E+22	1,151059E+22	7,544114E+21	4,357653E+21	2,666749E+21	2,666742E+21	4,357636E+21	7,544079E+21
929	1,151048E+22	1,519392E+22	1,746939E+22	1,746958E+22	1,519443E+22	1,151096E+22	7,544411E+21	4,357896E+21	2,666957E+21	2,666905E+21	4,357726E+21	7,544143E+21
930	1,151078E+22	1,519441E+22	1,746962E+22	1,746945E+22	1,519395E+22	1,151036E+22	7,544093E+21	4,357886E+21	2,667149E+21	2,667251E+21	4,358149E+21	7,544411E+21
931	1,151059E+22	1,519371E+22	1,746848E+22	1,746838E+22	1,519362E+22	1,151061E+22	7,544545E+21	4,358378E+21	2,667522E+21	2,667424E+21	4,358083E+21	7,544074E+21
932	1,151000E+22	1,519323E+22	1,746868E+22	1,746899E+22	1,519410E+22	1,151080E+22	7,544531E+21	4,358385E+21	2,667680E+21	2,667711E+21	4,358467E+21	7,544591E+21
933	1,151064E+22	1,519354E+22	1,746821E+22	1,746794E+22	1,519297E+22	1,151013E+22	7,544360E+21	4,358445E+21	2,667837E+21	2,667944E+21	4,358727E+21	7,544691E+21
934	1,151035E+22	1,519282E+22	1,746730E+22	1,746746E+22	1,519307E+22	1,151049E+22	7,544820E+21	4,358873E+21	2,668088E+21	2,667965E+21	4,358517E+21	7,544366E+21
935	1,151021E+22	1,519323E+22	1,746816E+22	1,746818E+22	1,519335E+22	1,151033E+22	7,544471E+21	4,358630E+21	2,668061E+21	2,668140E+21	4,358869E+21	7,544845E+21
936	1,151066E+22	1,519337E+22	1,746782E+22	1,746733E+22	1,519250E+22	1,151000E+22	7,544502E+21	4,358725E+21	2,668095E+21	2,668092E+21	4,358718E+21	7,544509E+21
937	1,151008E+22	1,519271E+22	1,746767E+22	1,746802E+22	1,519337E+22	1,151056E+22	7,544779E+21	4,358830E+21	2,668085E+21	2,667990E+21	4,358554E+21	7,544382E+21
938	1,151026E+22	1,519335E+22	1,746833E+22	1,746838E+22	1,519341E+22	1,151025E+22	7,544343E+21	4,358477E+21	2,667904E+21	2,668009E+21	4,358788E+21	7,544756E+21
939	1,151046E+22	1,519312E+22	1,746767E+22	1,746755E+22	1,519309E+22	1,151050E+22	7,544643E+21	4,358601E+21	2,667820E+21	2,667733E+21	4,358354E+21	7,544266E+21
940	1,151003E+22	1,519293E+22	1,746819E+22	1,746862E+22	1,519392E+22	1,151085E+22	7,544650E+21	4,358425E+21	2,667620E+21	2,667567E+21	4,358262E+21	7,544436E+21
941	1,151074E+22	1,519387E+22	1,746861E+22	1,746837E+22	1,519326E+22	1,151018E+22	7,544196E+21	4,358119E+21	2,667413E+21	2,667492E+21	4,358323E+21	7,544472E+21
942	1,151053E+22	1,519351E+22	1,746823E+22	1,746820E+22	1,519347E+22	1,151052E+22	7,544508E+21	4,358313E+21	2,667391E+21	2,667243E+21	4,357898E+21	7,543991E+21
943	1,151018E+22	1,519370E+22	1,746922E+22	1,746937E+22	1,519421E+22	1,151064E+22	7,544199E+21	4,357958E+21	2,667209E+21	2,667261E+21	4,358134E+21	7,544477E+21
944	1,151078E+22	1,519403E+22	1,746907E+22	1,746875E+22	1,519343E+22	1,151022E+22	7,544062E+21	4,357863E+21	2,667114E+21	2,667184E+21	4,358065E+21	7,544337E+21
945	1,151046E+22	1,519345E+22	1,746854E+22	1,746892E+22	1,519405E+22	1,151077E+22	7,544457E+21	4,358099E+21	2,667188E+21	2,667108E+21	4,357861E+21	7,544099E+21
946	1,151050E+22	1,519403E+22	1,746922E+22	1,746922E+22	1,519405E+22	1,151051E+22	7,544129E+21	4,357919E+21	2,667208E+21	2,667313E+21	4,358225E+21	7,544551E+21
947	1,151079E+22	1,519394E+22	1,746864E+22	1,746816E+22	1,519326E+22	1,151042E+22	7,544381E+21	4,358225E+21	2,667423E+21	2,667380E+21	4,358083E+21	7,544146E+21
948	1,151012E+22	1,519317E+22	1,746848E+22	1,746880E+22	1,519391E+22	1,151080E+22	7,544666E+21	4,358482E+21	2,667670E+21	2,667591E+21	4,358217E+21	7,544247E+21
949	1,151045E+22	1,519363E+22	1,746852E+22	1,746841E+22	1,519326E+22	1,151012E+22	7,544264E+21	4,358404E+21	2,667838E+21	2,667966E+21	4,358751E+21	7,544672E+21
950	1,151033E+22	1,519292E+22	1,746739E+22	1,746735E+22	1,519288E+22	1,151033E+22	7,544724E+21	4,358889E+21	2,668174E+21	2,668088E+21	4,358643E+21	7,544353E+21
951	1,150983E+22	1,519250E+22	1,746752E+22	1,746787E+22	1,519335E+22	1,151057E+22	7,544744E+21	4,358898E+21	2,668318E+21	2,668357E+21	4,359007E+21	7,544858E+21
952	1,151050E+22	1,519299E+22	1,746738E+22	1,746700E+22	1,519223E+22	1,150984E+22	7,544512E+21	4,358915E+21	2,668433E+21	2,668536E+21	4,359197E+21	7,544898E+21
953	1,151024E+22	1,519238E+22	1,746659E+22	1,746668E+22	1,519247E+22	1,151027E+22	7,544974E+21	4,359303E+21	2,668650E+21	2,668541E+21	4,358974E+21	7,544492E+21
954	1,150994E+22	1,519265E+22	1,746738E+22	1,746738E+22	1,519276E+22	1,151013E+22	7,544676E+21	4,359122E+21	2,668666E+21	2,668736E+21	4,359335E+21	7,544994E+21
955	1,151038E+22	1,519273E+22	1,746703E+22	1,746665E+22	1,519210E+22	1,150991E+22	7,544696E+21	4,359191E+21	2,668686E+21	2,668679E+21	4,359177E+21	7,544670E+21
956	1,150980E+22	1,519195E+22	1,746666E+22	1,746724E+22	1,519300E+22	1,151054E+22	7,545023E+21	4,359283E+21	2,668641E+21	2,668538E+21	4,358976E+21	7,544571E+21
957	1,151015E+22	1,519278E+22	1,746731E+22	1,746733E+22	1,519273E+22	1,151008E+22	7,544533E+21	4,358887E+21	2,668416E+21	2,668531E+21	4,359226E+21	7,544982E+21
958	1,151039E+22	1,519270E+22	1,746690E+22	1,746665E+22	1,519234E+22	1,151017E+22	7,544781E+21	4,359021E+21	2,668321E+21	2,668220E+21	4,358729E+21	7,544404E+21
959	1,150988E+22	1,519248E+22	1,746743E+22	1,746779E+22	1,519325E+22	1,151058E+22	7,544790E+21	4,358843E+21	2,668144E+21	2,668091E+21	4,358674E+21	7,544557E+21
960	1,151048E+22	1,519339E+22	1,746809E+22	1,746782E+22	1,519272E+22	1,150988E+22	7,544263E+21	4,358481E+21	2,667909E+21	2,668004E+21	4,358745E+21	7,544633E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
961	1,151032E+22	1,519298E+22	1,746753E+22	1,746761E+22	1,519309E+22	1,151037E+22	7,544593E+21	4,358632E+21	2,667860E+21	2,667756E+21	4,358342E+21	7,544168E+21
962	1,150995E+22	1,519307E+22	1,746830E+22	1,746852E+22	1,519369E+22	1,151055E+22	7,544419E+21	4,358385E+21	2,667734E+21	2,667788E+21	4,358570E+21	7,544692E+21
963	1,151066E+22	1,519351E+22	1,746822E+22	1,746793E+22	1,519291E+22	1,151012E+22	7,544296E+21	4,358336E+21	2,667676E+21	2,667722E+21	4,358466E+21	7,544478E+21
964	1,151027E+22	1,519286E+22	1,746762E+22	1,746806E+22	1,519352E+22	1,151067E+22	7,544737E+21	4,358631E+21	2,667806E+21	2,667685E+21	4,358258E+21	7,544197E+21
965	1,151030E+22	1,519351E+22	1,746834E+22	1,746822E+22	1,519330E+22	1,151027E+22	7,544349E+21	4,358440E+21	2,667855E+21	2,667959E+21	4,358728E+21	7,544705E+21
966	1,151051E+22	1,519331E+22	1,746782E+22	1,746735E+22	1,519253E+22	1,151005E+22	7,544548E+21	4,358765E+21	2,668098E+21	2,668055E+21	4,358626E+21	7,544331E+21
967	1,150979E+22	1,519236E+22	1,746736E+22	1,746784E+22	1,519331E+22	1,151059E+22	7,544855E+21	4,359004E+21	2,668355E+21	2,668306E+21	4,358829E+21	7,544527E+21
968	1,151017E+22	1,519285E+22	1,746750E+22	1,746744E+22	1,519259E+22	1,150989E+22	7,544426E+21	4,358870E+21	2,668464E+21	2,668623E+21	4,359323E+21	7,544995E+21
969	1,151024E+22	1,519231E+22	1,746635E+22	1,746631E+22	1,519219E+22	1,151010E+22	7,544895E+21	4,359334E+21	2,668762E+21	2,668704E+21	4,359159E+21	7,544590E+21
970	1,150970E+22	1,519197E+22	1,746655E+22	1,746676E+22	1,519254E+22	1,151030E+22	7,544978E+21	4,359435E+21	2,668959E+21	2,668974E+21	4,359479E+21	7,545039E+21
971	1,151033E+22	1,519251E+22	1,746662E+22	1,746618E+22	1,519160E+22	1,150961E+22	7,544719E+21	4,359447E+21	2,669085E+21	2,669158E+21	4,359645E+21	7,544993E+21
972	1,150992E+22	1,519173E+22	1,746577E+22	1,746601E+22	1,519205E+22	1,151014E+22	7,545198E+21	4,359818E+21	2,669286E+21	2,669156E+21	4,359427E+21	7,544622E+21
973	1,150967E+22	1,519197E+22	1,746643E+22	1,746649E+22	1,519220E+22	1,150998E+22	7,544859E+21	4,359568E+21	2,669249E+21	2,669340E+21	4,359844E+21	7,545222E+21
974	1,151016E+22	1,519207E+22	1,746611E+22	1,746582E+22	1,519150E+22	1,150971E+22	7,544894E+21	4,359630E+21	2,669217E+21	2,669216E+21	4,359621E+21	7,544879E+21
975	1,150965E+22	1,519135E+22	1,746566E+22	1,746628E+22	1,519241E+22	1,151038E+22	7,545231E+21	4,359717E+21	2,669162E+21	2,669059E+21	4,359401E+21	7,544750E+21
976	1,150997E+22	1,519231E+22	1,746660E+22	1,746651E+22	1,519209E+22	1,150982E+22	7,544664E+21	4,359274E+21	2,668899E+21	2,669008E+21	4,359600E+21	7,545129E+21
977	1,151026E+22	1,519232E+22	1,746630E+22	1,746598E+22	1,519179E+22	1,150992E+22	7,544887E+21	4,359370E+21	2,668790E+21	2,668706E+21	4,359119E+21	7,544512E+21
978	1,150963E+22	1,519197E+22	1,746675E+22	1,746707E+22	1,519267E+22	1,151032E+22	7,544933E+21	4,359267E+21	2,668673E+21	2,668617E+21	4,359103E+21	7,544727E+21
979	1,151025E+22	1,519280E+22	1,746730E+22	1,746717E+22	1,519234E+22	1,150976E+22	7,544409E+21	4,358891E+21	2,668446E+21	2,668543E+21	4,359181E+21	7,544822E+21
980	1,151012E+22	1,519235E+22	1,746661E+22	1,746686E+22	1,519271E+22	1,151032E+22	7,544811E+21	4,359053E+21	2,668388E+21	2,668280E+21	4,358754E+21	7,544375E+21
981	1,150987E+22	1,519257E+22	1,746735E+22	1,746748E+22	1,519299E+22	1,151034E+22	7,544615E+21	4,358825E+21	2,668280E+21	2,668336E+21	4,359009E+21	7,544886E+21
982	1,151054E+22	1,519306E+22	1,746747E+22	1,746707E+22	1,519219E+22	1,150980E+22	7,544483E+21	4,358826E+21	2,668262E+21	2,668287E+21	4,358882E+21	7,544587E+21
983	1,151002E+22	1,519230E+22	1,746677E+22	1,746720E+22	1,519288E+22	1,151043E+22	7,544938E+21	4,359150E+21	2,668452E+21	2,668329E+21	4,358756E+21	7,544313E+21
984	1,150989E+22	1,519279E+22	1,746756E+22	1,746749E+22	1,519273E+22	1,151000E+22	7,544494E+21	4,358920E+21	2,668487E+21	2,668606E+21	4,359261E+21	7,544908E+21
985	1,151021E+22	1,519255E+22	1,746683E+22	1,746650E+22	1,519203E+22	1,150989E+22	7,544711E+21	4,359205E+21	2,668705E+21	2,668709E+21	4,359194E+21	7,544583E+21
986	1,150953E+22	1,519157E+22	1,746618E+22	1,746668E+22	1,519257E+22	1,151041E+22	7,545125E+21	4,359539E+21	2,669000E+21	2,668955E+21	4,359382E+21	7,544829E+21
987	1,151005E+22	1,519222E+22	1,746642E+22	1,746637E+22	1,519192E+22	1,150970E+22	7,544674E+21	4,359417E+21	2,669122E+21	2,669260E+21	4,359816E+21	7,545213E+21
988	1,151010E+22	1,519177E+22	1,746540E+22	1,746532E+22	1,519154E+22	1,150992E+22	7,545146E+21	4,359880E+21	2,669420E+21	2,669331E+21	4,359618E+21	7,544763E+21
989	1,150956E+22	1,519148E+22	1,746571E+22	1,746576E+22	1,519174E+22	1,150998E+22	7,545162E+21	4,359957E+21	2,669617E+21	2,669630E+21	4,359997E+21	7,545227E+21
990	1,151009E+22	1,519194E+22	1,746588E+22	1,746548E+22	1,519098E+22	1,150928E+22	7,544870E+21	4,359952E+21	2,669721E+21	2,669795E+21	4,360153E+21	7,545177E+21
991	1,150963E+22	1,519099E+22	1,746478E+22	1,746518E+22	1,519158E+22	1,151001E+22	7,545389E+21	4,360287E+21	2,669895E+21	2,669788E+21	4,359960E+21	7,544850E+21
992	1,150939E+22	1,519129E+22	1,746556E+22	1,746565E+22	1,519165E+22	1,150982E+22	7,545042E+21	4,359979E+21	2,669771E+21	2,669877E+21	4,360298E+21	7,545458E+21
993	1,151006E+22	1,519156E+22	1,746525E+22	1,746493E+22	1,519092E+22	1,150952E+22	7,545059E+21	4,360009E+21	2,669699E+21	2,669710E+21	4,360012E+21	7,545014E+21
994	1,150947E+22	1,519087E+22	1,746483E+22	1,746530E+22	1,519170E+22	1,151015E+22	7,545441E+21	4,360177E+21	2,669693E+21	2,669562E+21	4,359774E+21	7,544868E+21
995	1,150976E+22	1,519183E+22	1,746592E+22	1,746583E+22	1,519160E+22	1,150960E+22	7,544806E+21	4,359709E+21	2,669439E+21	2,669523E+21	4,359969E+21	7,545202E+21
996	1,150996E+22	1,519171E+22	1,746555E+22	1,746537E+22	1,519142E+22	1,150978E+22	7,545033E+21	4,359781E+21	2,669317E+21	2,669223E+21	4,359518E+21	7,544672E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
997	1,150942E+22	1,519136E+22	1,746588E+22	1,746623E+22	1,519213E+22	1,151013E+22	7,545066E+21	4,359648E+21	2,669183E+21	2,669150E+21	4,359566E+21	7,544976E+21
998	1,151011E+22	1,519225E+22	1,746650E+22	1,746639E+22	1,519176E+22	1,150953E+22	7,544580E+21	4,359299E+21	2,668943E+21	2,669045E+21	4,359594E+21	7,545026E+21
999	1,151000E+22	1,519183E+22	1,746572E+22	1,746596E+22	1,519215E+22	1,151016E+22	7,545014E+21	4,359493E+21	2,668924E+21	2,668818E+21	4,359182E+21	7,544533E+21
1000	1,150966E+22	1,519211E+22	1,746670E+22	1,746668E+22	1,519237E+22	1,151011E+22	7,544780E+21	4,359253E+21	2,668816E+21	2,668869E+21	4,359416E+21	7,545015E+21
1001	1,151033E+22	1,519258E+22	1,746678E+22	1,746634E+22	1,519164E+22	1,150957E+22	7,544631E+21	4,359255E+21	2,668828E+21	2,668875E+21	4,359343E+21	7,544702E+21
1002	1,150968E+22	1,519161E+22	1,746586E+22	1,746630E+22	1,519227E+22	1,151021E+22	7,545149E+21	4,359675E+21	2,669100E+21	2,668978E+21	4,359293E+21	7,544549E+21
1003	1,150961E+22	1,519199E+22	1,746647E+22	1,746659E+22	1,519226E+22	1,150987E+22	7,544705E+21	4,359435E+21	2,669145E+21	2,669267E+21	4,359803E+21	7,545169E+21
1004	1,151001E+22	1,519180E+22	1,746568E+22	1,746545E+22	1,519144E+22	1,150977E+22	7,544979E+21	4,359736E+21	2,669351E+21	2,669347E+21	4,359716E+21	7,544883E+21
1005	1,150948E+22	1,519102E+22	1,746512E+22	1,746543E+22	1,519165E+22	1,151007E+22	7,545330E+21	4,360074E+21	2,669659E+21	2,669609E+21	4,359912E+21	7,545089E+21
1006	1,150995E+22	1,519176E+22	1,746562E+22	1,746539E+22	1,519106E+22	1,150931E+22	7,544864E+21	4,359965E+21	2,669787E+21	2,669908E+21	4,360301E+21	7,545364E+21
1007	1,150987E+22	1,519121E+22	1,746460E+22	1,746447E+22	1,519090E+22	1,150965E+22	7,545329E+21	4,360409E+21	2,670099E+21	2,670015E+21	4,360146E+21	7,544897E+21
1008	1,150919E+22	1,519082E+22	1,746497E+22	1,746505E+22	1,519122E+22	1,150975E+22	7,545303E+21	4,360423E+21	2,670236E+21	2,670262E+21	4,360506E+21	7,545415E+21
1009	1,150982E+22	1,519123E+22	1,746497E+22	1,746472E+22	1,519059E+22	1,150918E+22	7,545047E+21	4,360371E+21	2,670285E+21	2,670388E+21	4,360640E+21	7,545364E+21
1010	1,150936E+22	1,519026E+22	1,746374E+22	1,746416E+22	1,519098E+22	1,150989E+22	7,545659E+21	4,360783E+21	2,670468E+21	2,670347E+21	4,360416E+21	7,545068E+21
1011	1,150921E+22	1,519062E+22	1,746455E+22	1,746472E+22	1,519113E+22	1,150969E+22	7,545278E+21	4,360467E+21	2,670337E+21	2,670406E+21	4,360682E+21	7,545581E+21
1012	1,150985E+22	1,519101E+22	1,746440E+22	1,746406E+22	1,519038E+22	1,150938E+22	7,545284E+21	4,360475E+21	2,670246E+21	2,670225E+21	4,360393E+21	7,545159E+21
1013	1,150931E+22	1,519038E+22	1,746408E+22	1,746438E+22	1,519093E+22	1,150980E+22	7,545561E+21	4,360607E+21	2,670243E+21	2,670116E+21	4,360227E+21	7,545057E+21
1014	1,150957E+22	1,519130E+22	1,746524E+22	1,746515E+22	1,519102E+22	1,150929E+22	7,544902E+21	4,360113E+21	2,669968E+21	2,670066E+21	4,360421E+21	7,545411E+21
1015	1,150978E+22	1,519111E+22	1,746470E+22	1,746460E+22	1,519099E+22	1,150963E+22	7,545150E+21	4,360145E+21	2,669826E+21	2,669768E+21	4,359991E+21	7,544907E+21
1016	1,150927E+22	1,519086E+22	1,746516E+22	1,746544E+22	1,519158E+22	1,150993E+22	7,545184E+21	4,359991E+21	2,669638E+21	2,669622E+21	4,359962E+21	7,545197E+21
1017	1,151008E+22	1,519187E+22	1,746580E+22	1,746562E+22	1,519125E+22	1,150934E+22	7,544715E+21	4,359658E+21	2,669408E+21	2,669516E+21	4,359943E+21	7,545119E+21
1018	1,150980E+22	1,519137E+22	1,746502E+22	1,746509E+22	1,519151E+22	1,150996E+22	7,545237E+21	4,359976E+21	2,669482E+21	2,669350E+21	4,359574E+21	7,544631E+21
1019	1,150937E+22	1,519148E+22	1,746592E+22	1,746601E+22	1,519194E+22	1,150995E+22	7,544988E+21	4,359759E+21	2,669429E+21	2,669455E+21	4,359837E+21	7,545085E+21
1020	1,150994E+22	1,519182E+22	1,746587E+22	1,746558E+22	1,519124E+22	1,150949E+22	7,544864E+21	4,359763E+21	2,669456E+21	2,669493E+21	4,359841E+21	7,544921E+21
1021	1,150943E+22	1,519084E+22	1,746477E+22	1,746519E+22	1,519155E+22	1,150998E+22	7,545356E+21	4,360180E+21	2,669742E+21	2,669638E+21	4,359862E+21	7,544864E+21
1022	1,150949E+22	1,519132E+22	1,746544E+22	1,746553E+22	1,519148E+22	1,150958E+22	7,544927E+21	4,359962E+21	2,669783E+21	2,669906E+21	4,360327E+21	7,545442E+21
1023	1,150991E+22	1,519121E+22	1,746465E+22	1,746435E+22	1,519071E+22	1,150951E+22	7,545183E+21	4,360266E+21	2,670015E+21	2,670012E+21	4,360246E+21	7,545095E+21
1024	1,150930E+22	1,519055E+22	1,746442E+22	1,746451E+22	1,519090E+22	1,150974E+22	7,545474E+21	4,360565E+21	2,670291E+21	2,670242E+21	4,360407E+21	7,545276E+21
1025	1,150976E+22	1,519125E+22	1,746493E+22	1,746465E+22	1,519048E+22	1,150903E+22	7,544995E+21	4,360436E+21	2,670419E+21	2,670557E+21	4,360801E+21	7,545491E+21
1026	1,150951E+22	1,519047E+22	1,746371E+22	1,746362E+22	1,519036E+22	1,150948E+22	7,545551E+21	4,360944E+21	2,670763E+21	2,670680E+21	4,360692E+21	7,545127E+21
1027	1,150889E+22	1,518997E+22	1,746388E+22	1,746422E+22	1,519085E+22	1,150969E+22	7,545543E+21	4,360928E+21	2,670866E+21	2,670886E+21	4,360993E+21	7,545608E+21
1028	1,150958E+22	1,519048E+22	1,746386E+22	1,746371E+22	1,519007E+22	1,150913E+22	7,545335E+21	4,360877E+21	2,670875E+21	2,670954E+21	4,361088E+21	7,545595E+21
1029	1,150925E+22	1,518968E+22	1,746273E+22	1,746297E+22	1,519012E+22	1,150960E+22	7,545864E+21	4,361275E+21	2,671055E+21	2,670918E+21	4,360865E+21	7,545272E+21
1030	1,150909E+22	1,519013E+22	1,746379E+22	1,746381E+22	1,519034E+22	1,150934E+22	7,545437E+21	4,360936E+21	2,670905E+21	2,670959E+21	4,361094E+21	7,545703E+21
1031	1,150963E+22	1,519045E+22	1,746366E+22	1,746329E+22	1,518980E+22	1,150911E+22	7,545394E+21	4,360897E+21	2,670805E+21	2,670799E+21	4,360856E+21	7,545300E+21
1032	1,150903E+22	1,518985E+22	1,746347E+22	1,746374E+22	1,519043E+22	1,150953E+22	7,545602E+21	4,360939E+21	2,670722E+21	2,670625E+21	4,360667E+21	7,545278E+21



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1033	1,150944E+22	1,519079E+22	1,746452E+22	1,746448E+22	1,519063E+22	1,150915E+22	7,544995E+21	4,360418E+21	2,670407E+21	2,670539E+21	4,360810E+21	7,545580E+21
1034	1,150963E+22	1,519059E+22	1,746392E+22	1,746377E+22	1,519047E+22	1,150952E+22	7,545361E+21	4,360551E+21	2,670300E+21	2,670233E+21	4,360364E+21	7,545087E+21
1035	1,150916E+22	1,519035E+22	1,746436E+22	1,746471E+22	1,519119E+22	1,150984E+22	7,545392E+21	4,360427E+21	2,670147E+21	2,670091E+21	4,360275E+21	7,545244E+21
1036	1,150984E+22	1,519138E+22	1,746509E+22	1,746489E+22	1,519080E+22	1,150927E+22	7,544965E+21	4,360135E+21	2,669956E+21	2,670024E+21	4,360309E+21	7,545220E+21
1037	1,150955E+22	1,519078E+22	1,746425E+22	1,746421E+22	1,519081E+22	1,150966E+22	7,545414E+21	4,360475E+21	2,670099E+21	2,669963E+21	4,360071E+21	7,544824E+21
1038	1,150910E+22	1,519074E+22	1,746502E+22	1,746519E+22	1,519133E+22	1,150970E+22	7,545166E+21	4,360258E+21	2,670063E+21	2,670103E+21	4,360375E+21	7,545324E+21
1039	1,150971E+22	1,519105E+22	1,746478E+22	1,746457E+22	1,519066E+22	1,150933E+22	7,545059E+21	4,360246E+21	2,670097E+21	2,670170E+21	4,360428E+21	7,545217E+21
1040	1,150930E+22	1,519027E+22	1,746385E+22	1,746410E+22	1,519075E+22	1,150966E+22	7,545490E+21	4,360633E+21	2,670339E+21	2,670254E+21	4,360381E+21	7,545154E+21
1041	1,150947E+22	1,519088E+22	1,746459E+22	1,746453E+22	1,519075E+22	1,150928E+22	7,545058E+21	4,360422E+21	2,670391E+21	2,670519E+21	4,360787E+21	7,545589E+21
1042	1,150971E+22	1,519069E+22	1,746388E+22	1,746343E+22	1,518998E+22	1,150922E+22	7,545376E+21	4,360802E+21	2,670678E+21	2,670660E+21	4,360735E+21	7,545241E+21
1043	1,150900E+22	1,518984E+22	1,746354E+22	1,746381E+22	1,519046E+22	1,150955E+22	7,545669E+21	4,361102E+21	2,670969E+21	2,670900E+21	4,360887E+21	7,545373E+21
1044	1,150936E+22	1,519044E+22	1,746395E+22	1,746386E+22	1,519013E+22	1,150902E+22	7,545269E+21	4,360971E+21	2,671074E+21	2,671199E+21	4,361321E+21	7,545717E+21
1045	1,150923E+22	1,518964E+22	1,746259E+22	1,746251E+22	1,518966E+22	1,150931E+22	7,545813E+21	4,361478E+21	2,671414E+21	2,671337E+21	4,361245E+21	7,545413E+21
1046	1,150873E+22	1,518923E+22	1,746279E+22	1,746314E+22	1,519011E+22	1,150948E+22	7,545813E+21	4,361461E+21	2,671489E+21	2,671497E+21	4,361474E+21	7,545813E+21
1047	1,150942E+22	1,518987E+22	1,746284E+22	1,746262E+22	1,518936E+22	1,150892E+22	7,545547E+21	4,361375E+21	2,671487E+21	2,671565E+21	4,361565E+21	7,545756E+21
1048	1,150907E+22	1,518925E+22	1,746206E+22	1,746205E+22	1,518932E+22	1,150923E+22	7,545950E+21	4,361687E+21	2,671598E+21	2,671467E+21	4,361304E+21	7,545451E+21
1049	1,150895E+22	1,518970E+22	1,746316E+22	1,746314E+22	1,518977E+22	1,150903E+22	7,545481E+21	4,361299E+21	2,671421E+21	2,671493E+21	4,361514E+21	7,545836E+21
1050	1,150938E+22	1,518987E+22	1,746292E+22	1,746261E+22	1,518933E+22	1,150892E+22	7,545513E+21	4,361285E+21	2,671318E+21	2,671327E+21	4,361308E+21	7,545530E+21
1051	1,150888E+22	1,518922E+22	1,746262E+22	1,746311E+22	1,519014E+22	1,150947E+22	7,545764E+21	4,361313E+21	2,671202E+21	2,671104E+21	4,361041E+21	7,545435E+21
1052	1,150930E+22	1,519028E+22	1,746372E+22	1,746371E+22	1,519023E+22	1,150915E+22	7,545247E+21	4,360834E+21	2,670879E+21	2,670981E+21	4,361151E+21	7,545735E+21
1053	1,150951E+22	1,519014E+22	1,746317E+22	1,746285E+22	1,518976E+22	1,150929E+22	7,545561E+21	4,361003E+21	2,670831E+21	2,670740E+21	4,360739E+21	7,545208E+21
1054	1,150899E+22	1,518986E+22	1,746368E+22	1,746396E+22	1,519055E+22	1,150960E+22	7,545594E+21	4,360901E+21	2,670716E+21	2,670643E+21	4,360669E+21	7,545295E+21
1055	1,150951E+22	1,519070E+22	1,746426E+22	1,746414E+22	1,519030E+22	1,150909E+22	7,545138E+21	4,360607E+21	2,670566E+21	2,670647E+21	4,360806E+21	7,545352E+21
1056	1,150922E+22	1,519012E+22	1,746343E+22	1,746341E+22	1,519022E+22	1,150942E+22	7,545516E+21	4,360884E+21	2,670665E+21	2,670562E+21	4,360597E+21	7,545106E+21
1057	1,150897E+22	1,519012E+22	1,746407E+22	1,746427E+22	1,519073E+22	1,150949E+22	7,545291E+21	4,360662E+21	2,670618E+21	2,670688E+21	4,360863E+21	7,545557E+21
1058	1,150956E+22	1,519042E+22	1,746377E+22	1,746352E+22	1,518995E+22	1,150911E+22	7,545270E+21	4,360737E+21	2,670694E+21	2,670768E+21	4,360925E+21	7,545475E+21
1059	1,150921E+22	1,518971E+22	1,746292E+22	1,746323E+22	1,519019E+22	1,150947E+22	7,545675E+21	4,361124E+21	2,670954E+21	2,670848E+21	4,360812E+21	7,545276E+21
1060	1,150926E+22	1,519036E+22	1,746381E+22	1,746368E+22	1,519016E+22	1,150913E+22	7,545307E+21	4,360958E+21	2,671033E+21	2,671135E+21	4,361258E+21	7,545747E+21
1061	1,150943E+22	1,519002E+22	1,746302E+22	1,746253E+22	1,518925E+22	1,150893E+22	7,545576E+21	4,361360E+21	2,671378E+21	2,671359E+21	4,361297E+21	7,545464E+21
1062	1,150873E+22	1,518906E+22	1,746253E+22	1,746292E+22	1,518987E+22	1,150938E+22	7,545905E+21	4,361646E+21	2,671660E+21	2,671600E+21	4,361450E+21	7,545593E+21
1063	1,150908E+22	1,518960E+22	1,746277E+22	1,746279E+22	1,518952E+22	1,150892E+22	7,545540E+21	4,361509E+21	2,671748E+21	2,671889E+21	4,361891E+21	7,545962E+21
1064	1,150905E+22	1,518904E+22	1,746161E+22	1,746140E+22	1,518882E+22	1,150902E+22	7,545992E+21	4,361956E+21	2,672013E+21	2,671942E+21	4,361744E+21	7,545668E+21
1065	1,150867E+22	1,518877E+22	1,746191E+22	1,746214E+22	1,518933E+22	1,150916E+22	7,545938E+21	4,361909E+21	2,672069E+21	2,672071E+21	4,361895E+21	7,545919E+21
1066	1,150918E+22	1,518934E+22	1,746208E+22	1,746176E+22	1,518865E+22	1,150863E+22	7,545706E+21	4,361848E+21	2,672075E+21	2,672145E+21	4,362019E+21	7,545905E+21
1067	1,150882E+22	1,518862E+22	1,746129E+22	1,746148E+22	1,518894E+22	1,150902E+22	7,546055E+21	4,362101E+21	2,672150E+21	2,672014E+21	4,361719E+21	7,545562E+21
1068	1,150867E+22	1,518908E+22	1,746237E+22	1,746248E+22	1,518944E+22	1,150900E+22	7,545683E+21	4,361708E+21	2,671929E+21	2,671996E+21	4,361940E+21	7,546055E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1069	1,150920E+22	1,518924E+22	1,746205E+22	1,746177E+22	1,518875E+22	1,150876E+22	7,545710E+21	4,361704E+21	2,671831E+21	2,671841E+21	4,361736E+21	7,545761E+21
1070	1,150879E+22	1,518870E+22	1,746178E+22	1,746229E+22	1,518957E+22	1,150934E+22	7,545999E+21	4,361748E+21	2,671713E+21	2,671598E+21	4,361409E+21	7,545547E+21
1071	1,150912E+22	1,518979E+22	1,746292E+22	1,746288E+22	1,518969E+22	1,150904E+22	7,545472E+21	4,361281E+21	2,671419E+21	2,671512E+21	4,361544E+21	7,545807E+21
1072	1,150927E+22	1,518973E+22	1,746257E+22	1,746209E+22	1,518906E+22	1,150898E+22	7,545671E+21	4,361403E+21	2,671353E+21	2,671271E+21	4,361167E+21	7,545361E+21
1073	1,150878E+22	1,518932E+22	1,746293E+22	1,746326E+22	1,519002E+22	1,150934E+22	7,545668E+21	4,361292E+21	2,671260E+21	2,671207E+21	4,361122E+21	7,545441E+21
1074	1,150921E+22	1,518998E+22	1,746334E+22	1,746332E+22	1,518978E+22	1,150892E+22	7,545286E+21	4,361028E+21	2,671129E+21	2,671239E+21	4,361329E+21	7,545640E+21
1075	1,150908E+22	1,518941E+22	1,746238E+22	1,746256E+22	1,518972E+22	1,150926E+22	7,545675E+21	4,361303E+21	2,671215E+21	2,671121E+21	4,361053E+21	7,545333E+21
1076	1,150889E+22	1,518962E+22	1,746315E+22	1,746329E+22	1,519010E+22	1,150936E+22	7,545541E+21	4,361143E+21	2,671180E+21	2,671229E+21	4,361301E+21	7,545781E+21
1077	1,150946E+22	1,518995E+22	1,746294E+22	1,746250E+22	1,518910E+22	1,150878E+22	7,545458E+21	4,361258E+21	2,671332E+21	2,671387E+21	4,361396E+21	7,545644E+21
1078	1,150902E+22	1,518918E+22	1,746216E+22	1,746240E+22	1,518948E+22	1,150920E+22	7,545893E+21	4,361662E+21	2,671626E+21	2,671511E+21	4,361299E+21	7,545366E+21
1079	1,150888E+22	1,518962E+22	1,746289E+22	1,746287E+22	1,518964E+22	1,150899E+22	7,545540E+21	4,361507E+21	2,671737E+21	2,671848E+21	4,361816E+21	7,545891E+21
1080	1,150907E+22	1,518929E+22	1,746207E+22	1,746162E+22	1,518862E+22	1,150872E+22	7,545757E+21	4,361851E+21	2,672026E+21	2,672033E+21	4,361869E+21	7,545743E+21
1081	1,150856E+22	1,518835E+22	1,746144E+22	1,746191E+22	1,518924E+22	1,150920E+22	7,546102E+21	4,362136E+21	2,672286E+21	2,672234E+21	4,361958E+21	7,545795E+21
1082	1,150886E+22	1,518890E+22	1,746169E+22	1,746171E+22	1,518880E+22	1,150872E+22	7,545791E+21	4,362044E+21	2,672381E+21	2,672511E+21	4,362394E+21	7,546194E+21
1083	1,150890E+22	1,518842E+22	1,746065E+22	1,746051E+22	1,518820E+22	1,150878E+22	7,546181E+21	4,362451E+21	2,672621E+21	2,672527E+21	4,362176E+21	7,545795E+21
1084	1,150845E+22	1,518826E+22	1,746116E+22	1,746131E+22	1,518870E+22	1,150897E+22	7,546155E+21	4,362402E+21	2,672655E+21	2,672639E+21	4,362355E+21	7,546098E+21
1085	1,150892E+22	1,518871E+22	1,746126E+22	1,746095E+22	1,518800E+22	1,150833E+22	7,545842E+21	4,362317E+21	2,672681E+21	2,672756E+21	4,362532E+21	7,546150E+21
1086	1,150864E+22	1,518801E+22	1,746042E+22	1,746071E+22	1,518845E+22	1,150888E+22	7,546227E+21	4,362516E+21	2,672707E+21	2,672592E+21	4,362196E+21	7,545779E+21
1087	1,150850E+22	1,518848E+22	1,746142E+22	1,746159E+22	1,518894E+22	1,150894E+22	7,545911E+21	4,362136E+21	2,672464E+21	2,672542E+21	4,362379E+21	7,546235E+21
1088	1,150909E+22	1,518886E+22	1,746132E+22	1,746092E+22	1,518809E+22	1,150851E+22	7,545848E+21	4,362083E+21	2,672308E+21	2,672316E+21	4,362114E+21	7,545936E+21
1089	1,150873E+22	1,518837E+22	1,746112E+22	1,746153E+22	1,518896E+22	1,150907E+22	7,546094E+21	4,362123E+21	2,672200E+21	2,672072E+21	4,361736E+21	7,545570E+21
1090	1,150880E+22	1,518923E+22	1,746222E+22	1,746218E+22	1,518914E+22	1,150881E+22	7,545633E+21	4,361705E+21	2,671943E+21	2,672033E+21	4,361949E+21	7,545911E+21
1091	1,150895E+22	1,518903E+22	1,746176E+22	1,746155E+22	1,518872E+22	1,150882E+22	7,545796E+21	4,361794E+21	2,671869E+21	2,671793E+21	4,361583E+21	7,545496E+21
1092	1,150851E+22	1,518869E+22	1,746203E+22	1,746246E+22	1,518957E+22	1,150928E+22	7,545890E+21	4,361710E+21	2,671771E+21	2,671727E+21	4,361584E+21	7,545698E+21
1093	1,150903E+22	1,518933E+22	1,746233E+22	1,746231E+22	1,518907E+22	1,150870E+22	7,545496E+21	4,361495E+21	2,671695E+21	2,671807E+21	4,361813E+21	7,545921E+21
1094	1,150904E+22	1,518892E+22	1,746148E+22	1,746158E+22	1,518903E+22	1,150904E+22	7,545885E+21	4,361776E+21	2,671803E+21	2,671703E+21	4,361495E+21	7,545490E+21
1095	1,150872E+22	1,518913E+22	1,746231E+22	1,746235E+22	1,518943E+22	1,150915E+22	7,545768E+21	4,361662E+21	2,671821E+21	2,671859E+21	4,361768E+21	7,545887E+21
1096	1,150921E+22	1,518950E+22	1,746227E+22	1,746171E+22	1,518836E+22	1,150842E+22	7,545589E+21	4,361741E+21	2,671965E+21	2,672029E+21	4,361912E+21	7,545834E+21
1097	1,150877E+22	1,518856E+22	1,746132E+22	1,746165E+22	1,518894E+22	1,150894E+22	7,546017E+21	4,362149E+21	2,672283E+21	2,672181E+21	4,361833E+21	7,545530E+21
1098	1,150851E+22	1,518877E+22	1,746181E+22	1,746195E+22	1,518910E+22	1,150888E+22	7,545793E+21	4,362036E+21	2,672405E+21	2,672535E+21	4,362401E+21	7,546176E+21
1099	1,150885E+22	1,518847E+22	1,746090E+22	1,746067E+22	1,518807E+22	1,150859E+22	7,546009E+21	4,362370E+21	2,672665E+21	2,672670E+21	4,362379E+21	7,545971E+21
1100	1,150841E+22	1,518776E+22	1,746038E+22	1,746080E+22	1,518854E+22	1,150905E+22	7,546395E+21	4,362685E+21	2,672914E+21	2,672840E+21	4,362449E+21	7,546021E+21
1101	1,150866E+22	1,518830E+22	1,746073E+22	1,746061E+22	1,518793E+22	1,150837E+22	7,545992E+21	4,362597E+21	2,673053E+21	2,673162E+21	4,362899E+21	7,546393E+21
1102	1,150870E+22	1,518784E+22	1,745980E+22	1,745963E+22	1,518751E+22	1,150850E+22	7,546356E+21	4,362952E+21	2,673270E+21	2,673175E+21	4,362673E+21	7,545939E+21
1103	1,150815E+22	1,518758E+22	1,746028E+22	1,746052E+22	1,518819E+22	1,150879E+22	7,546341E+21	4,362883E+21	2,673280E+21	2,673277E+21	4,362872E+21	7,546286E+21
1104	1,150869E+22	1,518815E+22	1,746044E+22	1,746013E+22	1,518741E+22	1,150809E+22	7,545960E+21	4,362704E+21	2,673209E+21	2,673311E+21	4,363014E+21	7,546423E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1105	1,150856E+22	1,518751E+22	1,745958E+22	1,745989E+22	1,518792E+22	1,150870E+22	7,546361E+21	4,362896E+21	2,673197E+21	2,673083E+21	4,362578E+21	7,545924E+21
1106	1,150833E+22	1,518797E+22	1,746062E+22	1,746077E+22	1,518841E+22	1,150880E+22	7,546119E+21	4,362551E+21	2,672954E+21	2,673018E+21	4,362744E+21	7,546365E+21
1107	1,150891E+22	1,518834E+22	1,746060E+22	1,746028E+22	1,518763E+22	1,150833E+22	7,546009E+21	4,362479E+21	2,672789E+21	2,672775E+21	4,362432E+21	7,545977E+21
1108	1,150847E+22	1,518791E+22	1,746047E+22	1,746086E+22	1,518848E+22	1,150892E+22	7,546299E+21	4,362549E+21	2,672694E+21	2,672555E+21	4,362132E+21	7,545703E+21
1109	1,150847E+22	1,518853E+22	1,746138E+22	1,746143E+22	1,518859E+22	1,150857E+22	7,545772E+21	4,362143E+21	2,672501E+21	2,672594E+21	4,362426E+21	7,546146E+21
1110	1,150876E+22	1,518837E+22	1,746082E+22	1,746068E+22	1,518820E+22	1,150869E+22	7,545977E+21	4,362206E+21	2,672417E+21	2,672364E+21	4,362064E+21	7,545734E+21
1111	1,150837E+22	1,518810E+22	1,746107E+22	1,746147E+22	1,518895E+22	1,150912E+22	7,546119E+21	4,362171E+21	2,672337E+21	2,672300E+21	4,362049E+21	7,545908E+21
1112	1,150896E+22	1,518898E+22	1,746157E+22	1,746134E+22	1,518827E+22	1,150835E+22	7,545619E+21	4,361920E+21	2,672243E+21	2,672358E+21	4,362253E+21	7,546131E+21
1113	1,150896E+22	1,518858E+22	1,746081E+22	1,746078E+22	1,518836E+22	1,150871E+22	7,545979E+21	4,362216E+21	2,672386E+21	2,672277E+21	4,361910E+21	7,545561E+21
1114	1,150839E+22	1,518852E+22	1,746155E+22	1,746163E+22	1,518888E+22	1,150892E+22	7,545953E+21	4,362160E+21	2,672452E+21	2,672492E+21	4,362266E+21	7,546036E+21
1115	1,150885E+22	1,518868E+22	1,746134E+22	1,746109E+22	1,518802E+22	1,150829E+22	7,545778E+21	4,362228E+21	2,672596E+21	2,672664E+21	4,362415E+21	7,546011E+21
1116	1,150847E+22	1,518781E+22	1,746028E+22	1,746071E+22	1,518845E+22	1,150891E+22	7,546330E+21	4,362680E+21	2,672908E+21	2,672813E+21	4,362383E+21	7,545809E+21
1117	1,150824E+22	1,518793E+22	1,746061E+22	1,746079E+22	1,518835E+22	1,150868E+22	7,546085E+21	4,362620E+21	2,673087E+21	2,673204E+21	4,362952E+21	7,546462E+21
1118	1,150874E+22	1,518785E+22	1,745981E+22	1,745950E+22	1,518731E+22	1,150839E+22	7,546278E+21	4,362930E+21	2,673347E+21	2,673340E+21	4,362897E+21	7,546165E+21
1119	1,150821E+22	1,518719E+22	1,745942E+22	1,745968E+22	1,518772E+22	1,150878E+22	7,546638E+21	4,363250E+21	2,673605E+21	2,673520E+21	4,362966E+21	7,546180E+21
1120	1,150844E+22	1,518780E+22	1,745995E+22	1,745970E+22	1,518712E+22	1,150796E+22	7,546090E+21	4,363071E+21	2,673685E+21	2,673808E+21	4,363436E+21	7,546645E+21
1121	1,150854E+22	1,518729E+22	1,745902E+22	1,745888E+22	1,518695E+22	1,150818E+22	7,546397E+21	4,363360E+21	2,673857E+21	2,673780E+21	4,363167E+21	7,546141E+21
1122	1,150790E+22	1,518689E+22	1,745935E+22	1,745968E+22	1,518769E+22	1,150864E+22	7,546518E+21	4,363305E+21	2,673828E+21	2,673845E+21	4,363355E+21	7,546544E+21
1123	1,150856E+22	1,518752E+22	1,745955E+22	1,745941E+22	1,518699E+22	1,150798E+22	7,546154E+21	4,363108E+21	2,673699E+21	2,673790E+21	4,363375E+21	7,546560E+21
1124	1,150844E+22	1,518712E+22	1,745887E+22	1,745907E+22	1,518738E+22	1,150858E+22	7,546604E+21	4,363330E+21	2,673678E+21	2,673537E+21	4,362926E+21	7,546020E+21
1125	1,150804E+22	1,518740E+22	1,745988E+22	1,745995E+22	1,518776E+22	1,150855E+22	7,546315E+21	4,363023E+21	2,673504E+21	2,673535E+21	4,363115E+21	7,546441E+21
1126	1,150862E+22	1,518776E+22	1,745986E+22	1,745955E+22	1,518715E+22	1,150817E+22	7,546183E+21	4,362913E+21	2,673343E+21	2,673326E+21	4,362847E+21	7,546062E+21
1127	1,150812E+22	1,518721E+22	1,745959E+22	1,746005E+22	1,518802E+22	1,150880E+22	7,546487E+21	4,362990E+21	2,673256E+21	2,673127E+21	4,362597E+21	7,545890E+21
1128	1,150827E+22	1,518794E+22	1,746049E+22	1,746053E+22	1,518796E+22	1,150832E+22	7,545890E+21	4,362522E+21	2,673008E+21	2,673128E+21	4,362901E+21	7,546453E+21
1129	1,150874E+22	1,518791E+22	1,745999E+22	1,745981E+22	1,518759E+22	1,150841E+22	7,546068E+21	4,362589E+21	2,672923E+21	2,672874E+21	4,362477E+21	7,545926E+21
1130	1,150824E+22	1,518763E+22	1,746029E+22	1,746061E+22	1,518833E+22	1,150889E+22	7,546288E+21	4,362608E+21	2,672878E+21	2,672838E+21	4,362477E+21	7,546090E+21
1131	1,150880E+22	1,518848E+22	1,746089E+22	1,746069E+22	1,518777E+22	1,150813E+22	7,545776E+21	4,362358E+21	2,672796E+21	2,672900E+21	4,362652E+21	7,546228E+21
1132	1,150871E+22	1,518808E+22	1,746014E+22	1,746008E+22	1,518788E+22	1,150855E+22	7,546200E+21	4,362706E+21	2,672978E+21	2,672873E+21	4,362406E+21	7,545739E+21
1133	1,150802E+22	1,518769E+22	1,746056E+22	1,746077E+22	1,518835E+22	1,150875E+22	7,546174E+21	4,362701E+21	2,673127E+21	2,673168E+21	4,362823E+21	7,546296E+21
1134	1,150863E+22	1,518789E+22	1,746019E+22	1,746001E+22	1,518746E+22	1,150822E+22	7,546062E+21	4,362769E+21	2,673275E+21	2,673353E+21	4,362978E+21	7,546267E+21
1135	1,150827E+22	1,518710E+22	1,745913E+22	1,745949E+22	1,518770E+22	1,150876E+22	7,546648E+21	4,363273E+21	2,673604E+21	2,673496E+21	4,362921E+21	7,546051E+21
1136	1,150813E+22	1,518742E+22	1,745963E+22	1,745961E+22	1,518742E+22	1,150827E+22	7,546243E+21	4,363146E+21	2,673748E+21	2,673858E+21	4,363469E+21	7,546699E+21
1137	1,150861E+22	1,518736E+22	1,745899E+22	1,745853E+22	1,518650E+22	1,150796E+22	7,546367E+21	4,363426E+21	2,674001E+21	2,673986E+21	4,363383E+21	7,546293E+21
1138	1,150789E+22	1,518653E+22	1,745860E+22	1,745887E+22	1,518710E+22	1,150848E+22	7,546771E+21	4,363735E+21	2,674243E+21	2,674172E+21	4,363498E+21	7,546386E+21
1139	1,150815E+22	1,518704E+22	1,745908E+22	1,745903E+22	1,518672E+22	1,150779E+22	7,546232E+21	4,363502E+21	2,674261E+21	2,674394E+21	4,363904E+21	7,546834E+21
1140	1,150833E+22	1,518669E+22	1,745817E+22	1,745806E+22	1,518651E+22	1,150814E+22	7,546651E+21	4,363805E+21	2,674384E+21	2,674316E+21	4,363627E+21	7,546362E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1141	1,150769E+22	1,518621E+22	1,745839E+22	1,745877E+22	1,518710E+22	1,150849E+22	7,546764E+21	4,363800E+21	2,674395E+21	2,674381E+21	4,363762E+21	7,546716E+21
1142	1,150842E+22	1,518700E+22	1,745869E+22	1,745849E+22	1,518646E+22	1,150789E+22	7,546400E+21	4,363580E+21	2,674259E+21	2,674323E+21	4,363751E+21	7,546628E+21
1143	1,150817E+22	1,518658E+22	1,745813E+22	1,745821E+22	1,518678E+22	1,150842E+22	7,546842E+21	4,363819E+21	2,674251E+21	2,674090E+21	4,363328E+21	7,546106E+21
1144	1,150778E+22	1,518683E+22	1,745914E+22	1,745918E+22	1,518712E+22	1,150822E+22	7,546397E+21	4,363425E+21	2,674040E+21	2,674085E+21	4,363576E+21	7,546651E+21
1145	1,150843E+22	1,518716E+22	1,745906E+22	1,745882E+22	1,518666E+22	1,150790E+22	7,546224E+21	4,363270E+21	2,673855E+21	2,673864E+21	4,363308E+21	7,546290E+21
1146	1,150795E+22	1,518658E+22	1,745868E+22	1,745917E+22	1,518747E+22	1,150862E+22	7,546623E+21	4,363361E+21	2,673750E+21	2,673653E+21	4,363071E+21	7,546188E+21
1147	1,150824E+22	1,518742E+22	1,745968E+22	1,745975E+22	1,518744E+22	1,150812E+22	7,546032E+21	4,362897E+21	2,673479E+21	2,673595E+21	4,363268E+21	7,546634E+21
1148	1,150871E+22	1,518762E+22	1,745940E+22	1,745902E+22	1,518701E+22	1,150822E+22	7,546247E+21	4,362999E+21	2,673411E+21	2,673357E+21	4,362858E+21	7,546054E+21
1149	1,150801E+22	1,518709E+22	1,745959E+22	1,745984E+22	1,518771E+22	1,150863E+22	7,546463E+21	4,363096E+21	2,673470E+21	2,673406E+21	4,362893E+21	7,546194E+21
1150	1,150853E+22	1,518786E+22	1,746010E+22	1,745995E+22	1,518736E+22	1,150803E+22	7,545990E+21	4,362854E+21	2,673426E+21	2,673525E+21	4,363126E+21	7,546337E+21
1151	1,150834E+22	1,518730E+22	1,745919E+22	1,745918E+22	1,518737E+22	1,150847E+22	7,546480E+21	4,363251E+21	2,673645E+21	2,673541E+21	4,362936E+21	7,545949E+21
1152	1,150778E+22	1,518693E+22	1,745946E+22	1,745968E+22	1,518763E+22	1,150852E+22	7,546391E+21	4,363216E+21	2,673770E+21	2,673822E+21	4,363372E+21	7,546590E+21
1153	1,150852E+22	1,518727E+22	1,745915E+22	1,745893E+22	1,518672E+22	1,150792E+22	7,546225E+21	4,363283E+21	2,673920E+21	2,673993E+21	4,363482E+21	7,546476E+21
1154	1,150809E+22	1,518648E+22	1,745814E+22	1,745837E+22	1,518688E+22	1,150845E+22	7,546838E+21	4,363802E+21	2,674263E+21	2,674153E+21	4,363445E+21	7,546271E+21
1155	1,150794E+22	1,518679E+22	1,745881E+22	1,745876E+22	1,518672E+22	1,150795E+22	7,546398E+21	4,363645E+21	2,674383E+21	2,674484E+21	4,363947E+21	7,546853E+21
1156	1,150837E+22	1,518680E+22	1,745826E+22	1,745777E+22	1,518593E+22	1,150771E+22	7,546529E+21	4,363911E+21	2,674619E+21	2,674623E+21	4,363923E+21	7,546506E+21
1157	1,150757E+22	1,518572E+22	1,745761E+22	1,745801E+22	1,518655E+22	1,150828E+22	7,546949E+21	4,364241E+21	2,674895E+21	2,674828E+21	4,364040E+21	7,546651E+21
1158	1,150798E+22	1,518636E+22	1,745803E+22	1,745803E+22	1,518624E+22	1,150777E+22	7,546499E+21	4,363996E+21	2,674878E+21	2,675012E+21	4,364391E+21	7,547031E+21
1159	1,150814E+22	1,518609E+22	1,745723E+22	1,745704E+22	1,518588E+22	1,150803E+22	7,546949E+21	4,364336E+21	2,674994E+21	2,674900E+21	4,364054E+21	7,546517E+21
1160	1,150756E+22	1,518573E+22	1,745756E+22	1,745780E+22	1,518635E+22	1,150818E+22	7,546920E+21	4,364261E+21	2,674964E+21	2,674933E+21	4,364172E+21	7,546847E+21
1161	1,150824E+22	1,518651E+22	1,745799E+22	1,745772E+22	1,518584E+22	1,150756E+22	7,546485E+21	4,364002E+21	2,674808E+21	2,674864E+21	4,364155E+21	7,546708E+21
1162	1,150783E+22	1,518591E+22	1,745735E+22	1,745748E+22	1,518625E+22	1,150818E+22	7,546955E+21	4,364217E+21	2,674779E+21	2,674642E+21	4,363801E+21	7,546317E+21
1163	1,150754E+22	1,518612E+22	1,745831E+22	1,745850E+22	1,518670E+22	1,150807E+22	7,546510E+21	4,363771E+21	2,674507E+21	2,674572E+21	4,363992E+21	7,546868E+21
1164	1,150833E+22	1,518667E+22	1,745829E+22	1,745803E+22	1,518617E+22	1,150780E+22	7,546406E+21	4,363629E+21	2,674296E+21	2,674329E+21	4,363730E+21	7,546527E+21
1165	1,150785E+22	1,518606E+22	1,745786E+22	1,745832E+22	1,518688E+22	1,150841E+22	7,546789E+21	4,363786E+21	2,674261E+21	2,674145E+21	4,363453E+21	7,546375E+21
1166	1,150819E+22	1,518706E+22	1,745895E+22	1,745887E+22	1,518690E+22	1,150802E+22	7,546240E+21	4,363343E+21	2,674023E+21	2,674117E+21	4,363634E+21	7,546696E+21
1167	1,150847E+22	1,518716E+22	1,745878E+22	1,745828E+22	1,518645E+22	1,150805E+22	7,546482E+21	4,363502E+21	2,674009E+21	2,673932E+21	4,363270E+21	7,546149E+21
1168	1,150776E+22	1,518649E+22	1,745883E+22	1,745910E+22	1,518713E+22	1,150834E+22	7,546575E+21	4,363552E+21	2,674075E+21	2,674020E+21	4,363385E+21	7,546382E+21
1169	1,150827E+22	1,518714E+22	1,745916E+22	1,745911E+22	1,518684E+22	1,150782E+22	7,546121E+21	4,363312E+21	2,674040E+21	2,674156E+21	4,363645E+21	7,546554E+21
1170	1,150808E+22	1,518652E+22	1,745811E+22	1,745813E+22	1,518671E+22	1,150831E+22	7,546711E+21	4,363749E+21	2,674268E+21	2,674186E+21	4,363492E+21	7,546248E+21
1171	1,150765E+22	1,518625E+22	1,745844E+22	1,745866E+22	1,518691E+22	1,150828E+22	7,546595E+21	4,363713E+21	2,674381E+21	2,674422E+21	4,363836E+21	7,546780E+21
1172	1,150839E+22	1,518680E+22	1,745834E+22	1,745794E+22	1,518597E+22	1,150765E+22	7,546427E+21	4,363794E+21	2,674546E+21	2,674619E+21	4,363981E+21	7,546637E+21
1173	1,150780E+22	1,518580E+22	1,745726E+22	1,745746E+22	1,518614E+22	1,150810E+22	7,546993E+21	4,364348E+21	2,674956E+21	2,674832E+21	4,363966E+21	7,546446E+21
1174	1,150767E+22	1,518609E+22	1,745785E+22	1,745787E+22	1,518622E+22	1,150782E+22	7,546600E+21	4,364171E+21	2,675069E+21	2,675173E+21	4,364485E+21	7,547024E+21
1175	1,150805E+22	1,518603E+22	1,745729E+22	1,745687E+22	1,518540E+22	1,150763E+22	7,546805E+21	4,364452E+21	2,675287E+21	2,675290E+21	4,364454E+21	7,546752E+21
1176	1,150742E+22	1,518504E+22	1,745657E+22	1,745699E+22	1,518587E+22	1,150806E+22	7,547150E+21	4,364729E+21	2,675507E+21	2,675445E+21	4,364545E+21	7,546905E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1177	1,150789E+22	1,518582E+22	1,745711E+22	1,745707E+22	1,518560E+22	1,150755E+22	7,546682E+21	4,364475E+21	2,675464E+21	2,675584E+21	4,364826E+21	7,547176E+21
1178	1,150794E+22	1,518554E+22	1,745639E+22	1,745611E+22	1,518520E+22	1,150782E+22	7,547148E+21	4,364802E+21	2,675565E+21	2,675470E+21	4,364507E+21	7,546679E+21
1179	1,150732E+22	1,518512E+22	1,745683E+22	1,745709E+22	1,518576E+22	1,150793E+22	7,547056E+21	4,364678E+21	2,675490E+21	2,675455E+21	4,364574E+21	7,546960E+21
1180	1,150799E+22	1,518596E+22	1,745730E+22	1,745708E+22	1,518537E+22	1,150736E+22	7,546605E+21	4,364381E+21	2,675307E+21	2,675391E+21	4,364620E+21	7,546907E+21
1181	1,150757E+22	1,518519E+22	1,745641E+22	1,745667E+22	1,518573E+22	1,150799E+22	7,547084E+21	4,364615E+21	2,675302E+21	2,675175E+21	4,364259E+21	7,546585E+21
1182	1,150749E+22	1,518561E+22	1,745738E+22	1,745757E+22	1,518621E+22	1,150802E+22	7,546725E+21	4,364180E+21	2,675012E+21	2,675076E+21	4,364393E+21	7,547048E+21
1183	1,150825E+22	1,518627E+22	1,745757E+22	1,745718E+22	1,518554E+22	1,150763E+22	7,546630E+21	4,364081E+21	2,674821E+21	2,674825E+21	4,364083E+21	7,546655E+21
1184	1,150778E+22	1,518570E+22	1,745720E+22	1,745751E+22	1,518617E+22	1,150808E+22	7,546893E+21	4,364196E+21	2,674791E+21	2,674663E+21	4,363828E+21	7,546465E+21
1185	1,150798E+22	1,518661E+22	1,745835E+22	1,745825E+22	1,518638E+22	1,150774E+22	7,546333E+21	4,363762E+21	2,674574E+21	2,674663E+21	4,364033E+21	7,546745E+21
1186	1,150808E+22	1,518644E+22	1,745797E+22	1,745759E+22	1,518598E+22	1,150789E+22	7,546635E+21	4,363939E+21	2,674588E+21	2,674535E+21	4,363775E+21	7,546345E+21
1187	1,150745E+22	1,518567E+22	1,745785E+22	1,745832E+22	1,518666E+22	1,150823E+22	7,546774E+21	4,363990E+21	2,674636E+21	2,674593E+21	4,363859E+21	7,546588E+21
1188	1,150807E+22	1,518649E+22	1,745820E+22	1,745819E+22	1,518625E+22	1,150770E+22	7,546365E+21	4,363782E+21	2,674611E+21	2,674746E+21	4,364152E+21	7,546787E+21
1189	1,150789E+22	1,518581E+22	1,745703E+22	1,745706E+22	1,518596E+22	1,150806E+22	7,546933E+21	4,364291E+21	2,674921E+21	2,674821E+21	4,363994E+21	7,546477E+21
1190	1,150754E+22	1,518572E+22	1,745745E+22	1,745754E+22	1,518619E+22	1,150811E+22	7,546841E+21	4,364263E+21	2,675059E+21	2,675086E+21	4,364335E+21	7,546916E+21
1191	1,150812E+22	1,518620E+22	1,745751E+22	1,745702E+22	1,518524E+22	1,150740E+22	7,546662E+21	4,364368E+21	2,675253E+21	2,675314E+21	4,364516E+21	7,546840E+21
1192	1,150759E+22	1,518513E+22	1,745631E+22	1,745656E+22	1,518546E+22	1,150777E+22	7,547093E+21	4,364839E+21	2,675635E+21	2,675535E+21	4,364554E+21	7,546729E+21
1193	1,150750E+22	1,518542E+22	1,745685E+22	1,745694E+22	1,518562E+22	1,150760E+22	7,546756E+21	4,364655E+21	2,675713E+21	2,675838E+21	4,365039E+21	7,547283E+21
1194	1,150786E+22	1,518533E+22	1,745625E+22	1,745587E+22	1,518474E+22	1,150747E+22	7,547045E+21	4,364952E+21	2,675906E+21	2,675924E+21	4,364988E+21	7,547026E+21
1195	1,150730E+22	1,518447E+22	1,745569E+22	1,745608E+22	1,518521E+22	1,150785E+22	7,547358E+21	4,365203E+21	2,676077E+21	2,675996E+21	4,364954E+21	7,547026E+21
1196	1,150770E+22	1,518537E+22	1,745642E+22	1,745626E+22	1,518496E+22	1,150733E+22	7,546882E+21	4,364933E+21	2,676020E+21	2,676136E+21	4,365249E+21	7,547255E+21
1197	1,150759E+22	1,518485E+22	1,745557E+22	1,745537E+22	1,518460E+22	1,150756E+22	7,547309E+21	4,365276E+21	2,676155E+21	2,676048E+21	4,364954E+21	7,546821E+21
1198	1,150706E+22	1,518447E+22	1,745587E+22	1,745624E+22	1,518532E+22	1,150785E+22	7,547247E+21	4,365119E+21	2,676055E+21	2,676022E+21	4,365022E+21	7,547104E+21
1199	1,150771E+22	1,518529E+22	1,745639E+22	1,745625E+22	1,518487E+22	1,150728E+22	7,546845E+21	4,364830E+21	2,675848E+21	2,675925E+21	4,365053E+21	7,547145E+21
1200	1,150752E+22	1,518468E+22	1,745552E+22	1,745578E+22	1,518508E+22	1,150772E+22	7,547190E+21	4,364992E+21	2,675796E+21	2,675676E+21	4,364673E+21	7,546811E+21
1201	1,150747E+22	1,518526E+22	1,745665E+22	1,745675E+22	1,518558E+22	1,150775E+22	7,546842E+21	4,364573E+21	2,675505E+21	2,675557E+21	4,364753E+21	7,547156E+21
1202	1,150806E+22	1,518584E+22	1,745694E+22	1,745647E+22	1,518495E+22	1,150742E+22	7,546783E+21	4,364482E+21	2,675328E+21	2,675337E+21	4,364486E+21	7,546777E+21
1203	1,150752E+22	1,518518E+22	1,745662E+22	1,745696E+22	1,518567E+22	1,150785E+22	7,547011E+21	4,364583E+21	2,675294E+21	2,675168E+21	4,364217E+21	7,546549E+21
1204	1,150767E+22	1,518601E+22	1,745765E+22	1,745765E+22	1,518599E+22	1,150762E+22	7,546489E+21	4,364155E+21	2,675099E+21	2,675219E+21	4,364506E+21	7,546912E+21
1205	1,150776E+22	1,518563E+22	1,745691E+22	1,745673E+22	1,518546E+22	1,150777E+22	7,546845E+21	4,364403E+21	2,675177E+21	2,675136E+21	4,364287E+21	7,546620E+21
1206	1,150735E+22	1,518505E+22	1,745668E+22	1,745718E+22	1,518606E+22	1,150818E+22	7,547059E+21	4,364503E+21	2,675250E+21	2,675200E+21	4,364341E+21	7,546786E+21
1207	1,150791E+22	1,518593E+22	1,745725E+22	1,745713E+22	1,518549E+22	1,150749E+22	7,546647E+21	4,364348E+21	2,675268E+21	2,675371E+21	4,364621E+21	7,546991E+21
1208	1,150778E+22	1,518531E+22	1,745615E+22	1,745605E+22	1,518508E+22	1,150763E+22	7,547043E+21	4,364792E+21	2,675583E+21	2,675484E+21	4,364510E+21	7,546664E+21
1209	1,150734E+22	1,518519E+22	1,745665E+22	1,745670E+22	1,518546E+22	1,150774E+22	7,546958E+21	4,364769E+21	2,675725E+21	2,675762E+21	4,364872E+21	7,547084E+21
1210	1,150779E+22	1,518546E+22	1,745657E+22	1,745618E+22	1,518466E+22	1,150719E+22	7,546830E+21	4,364859E+21	2,675912E+21	2,676005E+21	4,365108E+21	7,547113E+21
1211	1,150734E+22	1,518439E+22	1,745535E+22	1,745569E+22	1,518490E+22	1,150762E+22	7,547301E+21	4,365308E+21	2,676238E+21	2,676154E+21	4,365063E+21	7,546962E+21
1212	1,150734E+22	1,518483E+22	1,745595E+22	1,745605E+22	1,518505E+22	1,150748E+22	7,547015E+21	4,365145E+21	2,676306E+21	2,676438E+21	4,365524E+21	7,547465E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1213	1,150764E+22	1,518466E+22	1,745524E+22	1,745489E+22	1,518408E+22	1,150728E+22	7,547304E+21	4,365499E+21	2,676548E+21	2,676535E+21	4,365447E+21	7,547189E+21
1214	1,150712E+22	1,518392E+22	1,745473E+22	1,745509E+22	1,518461E+22	1,150774E+22	7,547633E+21	4,365745E+21	2,676715E+21	2,676606E+21	4,365395E+21	7,547099E+21
1215	1,150733E+22	1,518471E+22	1,745562E+22	1,745548E+22	1,518436E+22	1,150712E+22	7,547112E+21	4,365465E+21	2,676653E+21	2,676744E+21	4,365713E+21	7,547426E+21
1216	1,150734E+22	1,518413E+22	1,745460E+22	1,745450E+22	1,518397E+22	1,150724E+22	7,547382E+21	4,365692E+21	2,676736E+21	2,676653E+21	4,365473E+21	7,547090E+21
1217	1,150693E+22	1,518388E+22	1,745495E+22	1,745534E+22	1,518471E+22	1,150762E+22	7,547375E+21	4,365511E+21	2,676576E+21	2,676569E+21	4,365493E+21	7,547352E+21
1218	1,150760E+22	1,518477E+22	1,745551E+22	1,745533E+22	1,518423E+22	1,150708E+22	7,547005E+21	4,365220E+21	2,676344E+21	2,676438E+21	4,365490E+21	7,547383E+21
1219	1,150745E+22	1,518432E+22	1,745490E+22	1,745504E+22	1,518447E+22	1,150747E+22	7,547302E+21	4,365349E+21	2,676252E+21	2,676123E+21	4,365002E+21	7,546908E+21
1220	1,150733E+22	1,518495E+22	1,745618E+22	1,745618E+22	1,518508E+22	1,150753E+22	7,546968E+21	4,364935E+21	2,675975E+21	2,676033E+21	4,365107E+21	7,547193E+21
1221	1,150770E+22	1,518520E+22	1,745622E+22	1,745590E+22	1,518453E+22	1,150723E+22	7,546934E+21	4,364904E+21	2,675863E+21	2,675866E+21	4,364897E+21	7,546900E+21
1222	1,150724E+22	1,518452E+22	1,745566E+22	1,745617E+22	1,518535E+22	1,150786E+22	7,547248E+21	4,365030E+21	2,675849E+21	2,675726E+21	4,364661E+21	7,546683E+21
1223	1,150733E+22	1,518526E+22	1,745667E+22	1,745678E+22	1,518548E+22	1,150757E+22	7,546796E+21	4,364660E+21	2,675680E+21	2,675785E+21	4,364961E+21	7,547153E+21
1224	1,150766E+22	1,518500E+22	1,745584E+22	1,745567E+22	1,518473E+22	1,150748E+22	7,547019E+21	4,364877E+21	2,675772E+21	2,675735E+21	4,364783E+21	7,546883E+21
1225	1,150729E+22	1,518461E+22	1,745578E+22	1,745612E+22	1,518524E+22	1,150785E+22	7,547235E+21	4,365003E+21	2,675865E+21	2,675812E+21	4,364821E+21	7,546967E+21
1226	1,150771E+22	1,518541E+22	1,745643E+22	1,745618E+22	1,518472E+22	1,150717E+22	7,546818E+21	4,364851E+21	2,675911E+21	2,676026E+21	4,365159E+21	7,547208E+21
1227	1,150754E+22	1,518474E+22	1,745544E+22	1,745531E+22	1,518444E+22	1,150729E+22	7,547140E+21	4,365247E+21	2,676201E+21	2,676119E+21	4,365026E+21	7,546864E+21
1228	1,150709E+22	1,518456E+22	1,745583E+22	1,745596E+22	1,518497E+22	1,150754E+22	7,547110E+21	4,365220E+21	2,676345E+21	2,676419E+21	4,365427E+21	7,547314E+21
1229	1,150751E+22	1,518465E+22	1,745548E+22	1,745527E+22	1,518413E+22	1,150706E+22	7,547086E+21	4,365385E+21	2,676565E+21	2,676664E+21	4,365654E+21	7,547391E+21
1230	1,150722E+22	1,518379E+22	1,745422E+22	1,745458E+22	1,518431E+22	1,150756E+22	7,547630E+21	4,365878E+21	2,676901E+21	2,676791E+21	4,365539E+21	7,547103E+21
1231	1,150706E+22	1,518421E+22	1,745502E+22	1,745506E+22	1,518436E+22	1,150733E+22	7,547348E+21	4,365754E+21	2,676989E+21	2,677065E+21	4,365964E+21	7,547600E+21
1232	1,150741E+22	1,518403E+22	1,745430E+22	1,745393E+22	1,518332E+22	1,150692E+22	7,547448E+21	4,366013E+21	2,677207E+21	2,677187E+21	4,365946E+21	7,547341E+21
1233	1,150684E+22	1,518328E+22	1,745382E+22	1,745419E+22	1,518393E+22	1,150740E+22	7,547765E+21	4,366226E+21	2,677336E+21	2,677237E+21	4,365908E+21	7,547276E+21
1234	1,150699E+22	1,518392E+22	1,745461E+22	1,745458E+22	1,518379E+22	1,150692E+22	7,547266E+21	4,365893E+21	2,677225E+21	2,677348E+21	4,366249E+21	7,547714E+21
1235	1,150716E+22	1,518351E+22	1,745376E+22	1,745365E+22	1,518338E+22	1,150702E+22	7,547499E+21	4,366049E+21	2,677214E+21	2,677153E+21	4,365904E+21	7,547335E+21
1236	1,150688E+22	1,518349E+22	1,745425E+22	1,745457E+22	1,518416E+22	1,150741E+22	7,547515E+21	4,365867E+21	2,677034E+21	2,677040E+21	4,365874E+21	7,547508E+21
1237	1,150746E+22	1,518431E+22	1,745478E+22	1,745457E+22	1,518370E+22	1,150689E+22	7,547179E+21	4,365630E+21	2,676839E+21	2,676913E+21	4,365843E+21	7,547505E+21
1238	1,150732E+22	1,518396E+22	1,745421E+22	1,745430E+22	1,518404E+22	1,150737E+22	7,547513E+21	4,365781E+21	2,676767E+21	2,676616E+21	4,365348E+21	7,546935E+21
1239	1,150696E+22	1,518436E+22	1,745553E+22	1,745561E+22	1,518468E+22	1,150741E+22	7,547195E+21	4,365405E+21	2,676525E+21	2,676551E+21	4,365494E+21	7,547329E+21
1240	1,150745E+22	1,518449E+22	1,745528E+22	1,745511E+22	1,518405E+22	1,150701E+22	7,547051E+21	4,365312E+21	2,676415E+21	2,676439E+21	4,365383E+21	7,547146E+21
1241	1,150709E+22	1,518392E+22	1,745468E+22	1,745517E+22	1,518471E+22	1,150766E+22	7,547451E+21	4,365477E+21	2,676400E+21	2,676297E+21	4,365148E+21	7,546933E+21
1242	1,150719E+22	1,518466E+22	1,745569E+22	1,745574E+22	1,518477E+22	1,150734E+22	7,547006E+21	4,365133E+21	2,676257E+21	2,676369E+21	4,365452E+21	7,547398E+21
1243	1,150753E+22	1,518457E+22	1,745512E+22	1,745475E+22	1,518397E+22	1,150713E+22	7,547136E+21	4,365314E+21	2,676337E+21	2,676300E+21	4,365218E+21	7,547041E+21
1244	1,150713E+22	1,518420E+22	1,745518E+22	1,745538E+22	1,518459E+22	1,150751E+22	7,547344E+21	4,365442E+21	2,676459E+21	2,676423E+21	4,365296E+21	7,547086E+21
1245	1,150736E+22	1,518469E+22	1,745555E+22	1,745542E+22	1,518419E+22	1,150694E+22	7,546981E+21	4,365352E+21	2,676561E+21	2,676680E+21	4,365686E+21	7,547417E+21
1246	1,150728E+22	1,518403E+22	1,745438E+22	1,745440E+22	1,518403E+22	1,150726E+22	7,547405E+21	4,365771E+21	2,676857E+21	2,676777E+21	4,365549E+21	7,547055E+21
1247	1,150678E+22	1,518378E+22	1,745481E+22	1,745505E+22	1,518444E+22	1,150747E+22	7,547450E+21	4,365806E+21	2,677016E+21	2,677057E+21	4,365922E+21	7,547559E+21
1248	1,150735E+22	1,518393E+22	1,745433E+22	1,745415E+22	1,518341E+22	1,150681E+22	7,547314E+21	4,365943E+21	2,677247E+21	2,677334E+21	4,366180E+21	7,547616E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1249	1,150707E+22	1,518324E+22	1,745325E+22	1,745345E+22	1,518350E+22	1,150730E+22	7,547882E+21	4,366442E+21	2,677572E+21	2,677454E+21	4,366053E+21	7,547265E+21
1250	1,150675E+22	1,518351E+22	1,745409E+22	1,745407E+22	1,518360E+22	1,150703E+22	7,547554E+21	4,366290E+21	2,677657E+21	2,677739E+21	4,366509E+21	7,547794E+21
1251	1,150710E+22	1,518337E+22	1,745349E+22	1,745309E+22	1,518267E+22	1,150658E+22	7,547535E+21	4,366452E+21	2,677803E+21	2,677805E+21	4,366463E+21	7,547578E+21
1252	1,150664E+22	1,518266E+22	1,745297E+22	1,745337E+22	1,518338E+22	1,150717E+22	7,547857E+21	4,366604E+21	2,677880E+21	2,677825E+21	4,366416E+21	7,547532E+21
1253	1,150683E+22	1,518324E+22	1,745360E+22	1,745364E+22	1,518323E+22	1,150676E+22	7,547453E+21	4,366318E+21	2,677756E+21	2,677884E+21	4,366703E+21	7,547990E+21
1254	1,150716E+22	1,518312E+22	1,745289E+22	1,745273E+22	1,518287E+22	1,150691E+22	7,547722E+21	4,366484E+21	2,677725E+21	2,677639E+21	4,366256E+21	7,547441E+21
1255	1,150670E+22	1,518309E+22	1,745367E+22	1,745387E+22	1,518362E+22	1,150724E+22	7,547746E+21	4,366337E+21	2,677561E+21	2,677510E+21	4,366186E+21	7,547584E+21
1256	1,150726E+22	1,518381E+22	1,745411E+22	1,745390E+22	1,518318E+22	1,150662E+22	7,547288E+21	4,366045E+21	2,677374E+21	2,677439E+21	4,366229E+21	7,547583E+21
1257	1,150704E+22	1,518341E+22	1,745352E+22	1,745360E+22	1,518355E+22	1,150717E+22	7,547670E+21	4,366200E+21	2,677297E+21	2,677158E+21	4,365783E+21	7,547063E+21
1258	1,150661E+22	1,518356E+22	1,745460E+22	1,745480E+22	1,518423E+22	1,150731E+22	7,547394E+21	4,365829E+21	2,677062E+21	2,677109E+21	4,365971E+21	7,547549E+21
1259	1,150723E+22	1,518387E+22	1,745444E+22	1,745424E+22	1,518347E+22	1,150681E+22	7,547200E+21	4,365703E+21	2,676912E+21	2,676951E+21	4,365818E+21	7,547387E+21
1260	1,150703E+22	1,518347E+22	1,745390E+22	1,745427E+22	1,518407E+22	1,150741E+22	7,547591E+21	4,365881E+21	2,676923E+21	2,676830E+21	4,365575E+21	7,547113E+21
1261	1,150703E+22	1,518412E+22	1,745485E+22	1,745482E+22	1,518412E+22	1,150711E+22	7,547196E+21	4,365610E+21	2,676838E+21	2,676939E+21	4,365899E+21	7,547589E+21
1262	1,150740E+22	1,518410E+22	1,745435E+22	1,745392E+22	1,518341E+22	1,150692E+22	7,547321E+21	4,365805E+21	2,676951E+21	2,676903E+21	4,365674E+21	7,547153E+21
1263	1,150678E+22	1,518353E+22	1,745442E+22	1,745469E+22	1,518410E+22	1,150732E+22	7,547550E+21	4,365971E+21	2,677112E+21	2,677054E+21	4,365793E+21	7,547313E+21
1264	1,150713E+22	1,518390E+22	1,745448E+22	1,745448E+22	1,518366E+22	1,150673E+22	7,547138E+21	4,365838E+21	2,677219E+21	2,677361E+21	4,366253E+21	7,547703E+21
1265	1,150714E+22	1,518338E+22	1,745332E+22	1,745327E+22	1,518331E+22	1,150707E+22	7,547675E+21	4,366314E+21	2,677515E+21	2,677447E+21	4,366100E+21	7,547309E+21
1266	1,150659E+22	1,518308E+22	1,745373E+22	1,745391E+22	1,518369E+22	1,150726E+22	7,547730E+21	4,366383E+21	2,677699E+21	2,677728E+21	4,366448E+21	7,547758E+21
1267	1,150713E+22	1,518339E+22	1,745352E+22	1,745315E+22	1,518262E+22	1,150647E+22	7,547475E+21	4,366454E+21	2,677891E+21	2,677971E+21	4,366662E+21	7,547768E+21
1268	1,150682E+22	1,518267E+22	1,745250E+22	1,745260E+22	1,518281E+22	1,150697E+22	7,548003E+21	4,366914E+21	2,678205E+21	2,678103E+21	4,366560E+21	7,547405E+21
1269	1,150639E+22	1,518267E+22	1,745307E+22	1,745318E+22	1,518304E+22	1,150682E+22	7,547725E+21	4,366778E+21	2,678285E+21	2,678375E+21	4,367037E+21	7,548037E+21
1270	1,150689E+22	1,518266E+22	1,745242E+22	1,745215E+22	1,518220E+22	1,150649E+22	7,547754E+21	4,366916E+21	2,678388E+21	2,678392E+21	4,366939E+21	7,547786E+21
1271	1,150644E+22	1,518203E+22	1,745210E+22	1,745252E+22	1,518284E+22	1,150703E+22	7,548108E+21	4,367095E+21	2,678443E+21	2,678351E+21	4,366830E+21	7,547771E+21
1272	1,150678E+22	1,518273E+22	1,745270E+22	1,745271E+22	1,518260E+22	1,150652E+22	7,547607E+21	4,366764E+21	2,678311E+21	2,678424E+21	4,367113E+21	7,548158E+21
1273	1,150707E+22	1,518277E+22	1,745226E+22	1,745189E+22	1,518220E+22	1,150669E+22	7,547920E+21	4,366934E+21	2,678263E+21	2,678168E+21	4,366650E+21	7,547534E+21
1274	1,150642E+22	1,518253E+22	1,745301E+22	1,745320E+22	1,518309E+22	1,150703E+22	7,547915E+21	4,366780E+21	2,678109E+21	2,678055E+21	4,366607E+21	7,547682E+21
1275	1,150692E+22	1,518320E+22	1,745345E+22	1,745328E+22	1,518274E+22	1,150640E+22	7,547362E+21	4,366408E+21	2,677874E+21	2,677958E+21	4,366659E+21	7,547759E+21
1276	1,150682E+22	1,518280E+22	1,745275E+22	1,745287E+22	1,518311E+22	1,150703E+22	7,547779E+21	4,366542E+21	2,677785E+21	2,677686E+21	4,366237E+21	7,547284E+21
1277	1,150643E+22	1,518286E+22	1,745356E+22	1,745383E+22	1,518366E+22	1,150719E+22	7,547606E+21	4,366256E+21	2,677579E+21	2,677629E+21	4,366409E+21	7,547798E+21
1278	1,150720E+22	1,518340E+22	1,745352E+22	1,745327E+22	1,518290E+22	1,150667E+22	7,547417E+21	4,366163E+21	2,677457E+21	2,677472E+21	4,366205E+21	7,547517E+21
1279	1,150686E+22	1,518303E+22	1,745326E+22	1,745351E+22	1,518344E+22	1,150715E+22	7,547773E+21	4,366371E+21	2,677505E+21	2,677370E+21	4,365970E+21	7,547261E+21
1280	1,150684E+22	1,518352E+22	1,745402E+22	1,745399E+22	1,518347E+22	1,150677E+22	7,547295E+21	4,366073E+21	2,677457E+21	2,677562E+21	4,366386E+21	7,547755E+21
1281	1,150716E+22	1,518349E+22	1,745353E+22	1,745308E+22	1,518282E+22	1,150671E+22	7,547502E+21	4,366280E+21	2,677569E+21	2,677547E+21	4,366207E+21	7,547361E+21
1282	1,150648E+22	1,518272E+22	1,745340E+22	1,745375E+22	1,518354E+22	1,150719E+22	7,547785E+21	4,366474E+21	2,677748E+21	2,677708E+21	4,366335E+21	7,547546E+21
1283	1,150692E+22	1,518326E+22	1,745354E+22	1,745348E+22	1,518301E+22	1,150653E+22	7,547338E+21	4,366327E+21	2,677832E+21	2,677978E+21	4,366750E+21	7,547933E+21
1284	1,150702E+22	1,518285E+22	1,745246E+22	1,745228E+22	1,518261E+22	1,150684E+22	7,547868E+21	4,366816E+21	2,678152E+21	2,678086E+21	4,366587E+21	7,547471E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1285	1,150634E+22	1,518238E+22	1,745272E+22	1,745288E+22	1,518298E+22	1,150705E+22	7,547981E+21	4,366946E+21	2,678373E+21	2,678384E+21	4,366951E+21	7,547928E+21
1286	1,150689E+22	1,518273E+22	1,745258E+22	1,745225E+22	1,518202E+22	1,150626E+22	7,547701E+21	4,367009E+21	2,678568E+21	2,678631E+21	4,367169E+21	7,547913E+21
1287	1,150646E+22	1,518191E+22	1,745161E+22	1,745180E+22	1,518225E+22	1,150675E+22	7,548197E+21	4,367445E+21	2,678864E+21	2,678744E+21	4,367088E+21	7,547685E+21
1288	1,150621E+22	1,518189E+22	1,745194E+22	1,745213E+22	1,518239E+22	1,150660E+22	7,547882E+21	4,367250E+21	2,678913E+21	2,679023E+21	4,367586E+21	7,548340E+21
1289	1,150684E+22	1,518214E+22	1,745149E+22	1,745109E+22	1,518145E+22	1,150628E+22	7,547983E+21	4,367392E+21	2,678969E+21	2,678984E+21	4,367424E+21	7,548017E+21
1290	1,150632E+22	1,518152E+22	1,745127E+22	1,745161E+22	1,518217E+22	1,150681E+22	7,548306E+21	4,367572E+21	2,679022E+21	2,678915E+21	4,367252E+21	7,547896E+21
1291	1,150660E+22	1,518236E+22	1,745215E+22	1,745197E+22	1,518200E+22	1,150624E+22	7,547707E+21	4,367166E+21	2,678835E+21	2,678941E+21	4,367490E+21	7,548240E+21
1292	1,150683E+22	1,518229E+22	1,745171E+22	1,745133E+22	1,518173E+22	1,150646E+22	7,547997E+21	4,367301E+21	2,678773E+21	2,678694E+21	4,367049E+21	7,547613E+21
1293	1,150606E+22	1,518174E+22	1,745210E+22	1,745251E+22	1,518273E+22	1,150696E+22	7,548097E+21	4,367185E+21	2,678621E+21	2,678574E+21	4,367037E+21	7,547861E+21
1294	1,150670E+22	1,518251E+22	1,745248E+22	1,745248E+22	1,518236E+22	1,150637E+22	7,547584E+21	4,366816E+21	2,678369E+21	2,678452E+21	4,367056E+21	7,547921E+21
1295	1,150662E+22	1,518219E+22	1,745189E+22	1,745205E+22	1,518255E+22	1,150690E+22	7,548010E+21	4,366991E+21	2,678294E+21	2,678164E+21	4,366625E+21	7,547515E+21
1296	1,150638E+22	1,518235E+22	1,745262E+22	1,745281E+22	1,518297E+22	1,150694E+22	7,547755E+21	4,366689E+21	2,678124E+21	2,678167E+21	4,366828E+21	7,547978E+21
1297	1,150712E+22	1,518305E+22	1,745284E+22	1,745235E+22	1,518212E+22	1,150639E+22	7,547593E+21	4,366613E+21	2,678020E+21	2,678042E+21	4,366651E+21	7,547659E+21
1298	1,150662E+22	1,518245E+22	1,745254E+22	1,745278E+22	1,518283E+22	1,150686E+22	7,547902E+21	4,366834E+21	2,678109E+21	2,677982E+21	4,366458E+21	7,547415E+21
1299	1,150657E+22	1,518295E+22	1,745329E+22	1,745326E+22	1,518295E+22	1,150652E+22	7,547368E+21	4,366479E+21	2,678033E+21	2,678164E+21	4,366888E+21	7,547986E+21
1300	1,150698E+22	1,518287E+22	1,745268E+22	1,745226E+22	1,518228E+22	1,150654E+22	7,547642E+21	4,366700E+21	2,678152E+21	2,678164E+21	4,366715E+21	7,547590E+21
1301	1,150629E+22	1,518199E+22	1,745230E+22	1,745271E+22	1,518292E+22	1,150708E+22	7,548069E+21	4,367004E+21	2,678374E+21	2,678324E+21	4,366825E+21	7,547756E+21
1302	1,150677E+22	1,518267E+22	1,745255E+22	1,745248E+22	1,518237E+22	1,150639E+22	7,547625E+21	4,366897E+21	2,678495E+21	2,678605E+21	4,367197E+21	7,548027E+21
1303	1,150671E+22	1,518222E+22	1,745166E+22	1,745144E+22	1,518193E+22	1,150661E+22	7,548127E+21	4,367408E+21	2,678846E+21	2,678737E+21	4,367076E+21	7,547638E+21
1304	1,150605E+22	1,518158E+22	1,745164E+22	1,745188E+22	1,518228E+22	1,150675E+22	7,548145E+21	4,367495E+21	2,679085E+21	2,679100E+21	4,367523E+21	7,548136E+21
1305	1,150661E+22	1,518199E+22	1,745154E+22	1,745122E+22	1,518132E+22	1,150605E+22	7,547920E+21	4,367533E+21	2,679244E+21	2,679333E+21	4,367764E+21	7,548186E+21
1306	1,150622E+22	1,518111E+22	1,745051E+22	1,745079E+22	1,518160E+22	1,150655E+22	7,548405E+21	4,367949E+21	2,679507E+21	2,679403E+21	4,367641E+21	7,547956E+21
1307	1,150609E+22	1,518137E+22	1,745104E+22	1,745114E+22	1,518169E+22	1,150633E+22	7,548029E+21	4,367695E+21	2,679485E+21	2,679601E+21	4,368057E+21	7,548578E+21
1308	1,150679E+22	1,518176E+22	1,745081E+22	1,745029E+22	1,518082E+22	1,150605E+22	7,548108E+21	4,367805E+21	2,679517E+21	2,679536E+21	4,367840E+21	7,548145E+21
1309	1,150612E+22	1,518100E+22	1,745051E+22	1,745083E+22	1,518160E+22	1,150663E+22	7,548504E+21	4,368022E+21	2,679570E+21	2,679451E+21	4,367656E+21	7,547995E+21
1310	1,150634E+22	1,518178E+22	1,745140E+22	1,745135E+22	1,518161E+22	1,150612E+22	7,547899E+21	4,367607E+21	2,679375E+21	2,679463E+21	4,367876E+21	7,548311E+21
1311	1,150647E+22	1,518159E+22	1,745094E+22	1,745074E+22	1,518136E+22	1,150636E+22	7,548176E+21	4,367719E+21	2,679291E+21	2,679200E+21	4,367475E+21	7,547842E+21
1312	1,150589E+22	1,518100E+22	1,745096E+22	1,745151E+22	1,518215E+22	1,150681E+22	7,548266E+21	4,367590E+21	2,679142E+21	2,679111E+21	4,367493E+21	7,548106E+21
1313	1,150664E+22	1,518202E+22	1,745157E+22	1,745145E+22	1,518161E+22	1,150618E+22	7,547819E+21	4,367250E+21	2,678884E+21	2,678971E+21	4,367482E+21	7,548121E+21
1314	1,150651E+22	1,518174E+22	1,745113E+22	1,745116E+22	1,518183E+22	1,150661E+22	7,548158E+21	4,367429E+21	2,678838E+21	2,678697E+21	4,367026E+21	7,547629E+21
1315	1,150623E+22	1,518203E+22	1,745207E+22	1,745207E+22	1,518227E+22	1,150658E+22	7,547811E+21	4,367074E+21	2,678649E+21	2,678699E+21	4,367236E+21	7,548094E+21
1316	1,150691E+22	1,518260E+22	1,745228E+22	1,745178E+22	1,518163E+22	1,150611E+22	7,547633E+21	4,366976E+21	2,678555E+21	2,678604E+21	4,367095E+21	7,547785E+21
1317	1,150630E+22	1,518172E+22	1,745161E+22	1,745204E+22	1,518242E+22	1,150678E+22	7,548089E+21	4,367261E+21	2,678667E+21	2,678558E+21	4,366935E+21	7,547617E+21
1318	1,150635E+22	1,518224E+22	1,745229E+22	1,745245E+22	1,518253E+22	1,150649E+22	7,547645E+21	4,366966E+21	2,678614E+21	2,678733E+21	4,367328E+21	7,548145E+21
1319	1,150674E+22	1,518221E+22	1,745176E+22	1,745143E+22	1,518172E+22	1,150643E+22	7,547938E+21	4,367251E+21	2,678777E+21	2,678751E+21	4,367182E+21	7,547816E+21
1320	1,150613E+22	1,518132E+22	1,745117E+22	1,745158E+22	1,518218E+22	1,150687E+22	7,548323E+21	4,367574E+21	2,679063E+21	2,678998E+21	4,367343E+21	7,547934E+21



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1321	1,150655E+22	1,518209E+22	1,745165E+22	1,745142E+22	1,518152E+22	1,150613E+22	7,547899E+21	4,367479E+21	2,679202E+21	2,679314E+21	4,367760E+21	7,548209E+21
1322	1,150638E+22	1,518144E+22	1,745067E+22	1,745052E+22	1,518121E+22	1,150629E+22	7,548302E+21	4,367966E+21	2,679567E+21	2,679469E+21	4,367675E+21	7,547865E+21
1323	1,150579E+22	1,518092E+22	1,745065E+22	1,745089E+22	1,518158E+22	1,150645E+22	7,548243E+21	4,367952E+21	2,679733E+21	2,679786E+21	4,368117E+21	7,548458E+21
1324	1,150650E+22	1,518139E+22	1,745057E+22	1,745023E+22	1,518064E+22	1,150580E+22	7,548038E+21	4,367964E+21	2,679847E+21	2,679969E+21	4,368300E+21	7,548468E+21
1325	1,150613E+22	1,518052E+22	1,744949E+22	1,744976E+22	1,518093E+22	1,150637E+22	7,548628E+21	4,368430E+21	2,680095E+21	2,679984E+21	4,368106E+21	7,548176E+21
1326	1,150601E+22	1,518093E+22	1,745027E+22	1,745034E+22	1,518111E+22	1,150615E+22	7,548250E+21	4,368182E+21	2,680062E+21	2,680141E+21	4,368426E+21	7,548631E+21
1327	1,150649E+22	1,518123E+22	1,745020E+22	1,744970E+22	1,518032E+22	1,150585E+22	7,548313E+21	4,368287E+21	2,680084E+21	2,680066E+21	4,368233E+21	7,548245E+21
1328	1,150580E+22	1,518028E+22	1,744957E+22	1,745004E+22	1,518111E+22	1,150646E+22	7,548673E+21	4,368470E+21	2,680142E+21	2,680025E+21	4,368106E+21	7,548120E+21
1329	1,150602E+22	1,518109E+22	1,745048E+22	1,745047E+22	1,518106E+22	1,150603E+22	7,548139E+21	4,368040E+21	2,679915E+21	2,680018E+21	4,368335E+21	7,548490E+21
1330	1,150620E+22	1,518086E+22	1,744994E+22	1,744985E+22	1,518079E+22	1,150620E+22	7,548385E+21	4,368156E+21	2,679823E+21	2,679736E+21	4,367913E+21	7,548038E+21
1331	1,150579E+22	1,518059E+22	1,745013E+22	1,745056E+22	1,518145E+22	1,150653E+22	7,548377E+21	4,367969E+21	2,679631E+21	2,679604E+21	4,367897E+21	7,548309E+21
1332	1,150659E+22	1,518171E+22	1,745093E+22	1,745066E+22	1,518096E+22	1,150588E+22	7,547889E+21	4,367613E+21	2,679377E+21	2,679470E+21	4,367869E+21	7,548254E+21
1333	1,150634E+22	1,518129E+22	1,745046E+22	1,745046E+22	1,518126E+22	1,150636E+22	7,548291E+21	4,367828E+21	2,679352E+21	2,679217E+21	4,367441E+21	7,547771E+21
1334	1,150600E+22	1,518149E+22	1,745140E+22	1,745154E+22	1,518188E+22	1,150639E+22	7,547954E+21	4,367491E+21	2,679187E+21	2,679232E+21	4,367649E+21	7,548209E+21
1335	1,150659E+22	1,518194E+22	1,745152E+22	1,745122E+22	1,518128E+22	1,150603E+22	7,547827E+21	4,367410E+21	2,679103E+21	2,679155E+21	4,367567E+21	7,548038E+21
1336	1,150612E+22	1,518099E+22	1,745046E+22	1,745101E+22	1,518184E+22	1,150667E+22	7,548338E+21	4,367748E+21	2,679270E+21	2,679171E+21	4,367440E+21	7,547851E+21
1337	1,150621E+22	1,518168E+22	1,745130E+22	1,745133E+22	1,518177E+22	1,150635E+22	7,547974E+21	4,367520E+21	2,679259E+21	2,679367E+21	4,367820E+21	7,548322E+21
1338	1,150652E+22	1,518159E+22	1,745081E+22	1,745044E+22	1,518097E+22	1,150616E+22	7,548179E+21	4,367829E+21	2,679475E+21	2,679432E+21	4,367691E+21	7,547956E+21
1339	1,150589E+22	1,518080E+22	1,745029E+22	1,745058E+22	1,518136E+22	1,150649E+22	7,548455E+21	4,368087E+21	2,679739E+21	2,679684E+21	4,367896E+21	7,548137E+21
1340	1,150627E+22	1,518143E+22	1,745076E+22	1,745058E+22	1,518088E+22	1,150581E+22	7,547991E+21	4,367951E+21	2,679862E+21	2,680002E+21	4,368334E+21	7,548449E+21
1341	1,150610E+22	1,518065E+22	1,744957E+22	1,744953E+22	1,518059E+22	1,150610E+22	7,548485E+21	4,368441E+21	2,680197E+21	2,680127E+21	4,368241E+21	7,548160E+21
1342	1,150564E+22	1,518024E+22	1,744962E+22	1,744995E+22	1,518098E+22	1,150628E+22	7,548483E+21	4,368454E+21	2,680343E+21	2,680385E+21	4,368588E+21	7,548660E+21
1343	1,150634E+22	1,518084E+22	1,744972E+22	1,744942E+22	1,518009E+22	1,150565E+22	7,548280E+21	4,368472E+21	2,680442E+21	2,680535E+21	4,368745E+21	7,548674E+21
1344	1,150598E+22	1,517998E+22	1,744853E+22	1,744875E+22	1,518025E+22	1,150617E+22	7,548853E+21	4,368946E+21	2,680721E+21	2,680591E+21	4,368556E+21	7,548294E+21
1345	1,150575E+22	1,518040E+22	1,744953E+22	1,744949E+22	1,518043E+22	1,150597E+22	7,548528E+21	4,368708E+21	2,680685E+21	2,680748E+21	4,368882E+21	7,548727E+21
1346	1,150611E+22	1,518048E+22	1,744933E+22	1,744901E+22	1,517984E+22	1,150564E+22	7,548493E+21	4,368773E+21	2,680696E+21	2,680678E+21	4,368712E+21	7,548392E+21
1347	1,150553E+22	1,517964E+22	1,744862E+22	1,744914E+22	1,518054E+22	1,150624E+22	7,548784E+21	4,368855E+21	2,680672E+21	2,680587E+21	4,368596E+21	7,548379E+21
1348	1,150588E+22	1,518052E+22	1,744958E+22	1,744958E+22	1,518046E+22	1,150581E+22	7,548250E+21	4,368404E+21	2,680404E+21	2,680528E+21	4,368768E+21	7,548717E+21
1349	1,150610E+22	1,518036E+22	1,744906E+22	1,744891E+22	1,518015E+22	1,150598E+22	7,548547E+21	4,368548E+21	2,680307E+21	2,680218E+21	4,368305E+21	7,548227E+21
1350	1,150572E+22	1,518022E+22	1,744951E+22	1,744986E+22	1,518088E+22	1,150627E+22	7,548522E+21	4,368375E+21	2,680127E+21	2,680075E+21	4,368229E+21	7,548375E+21
1351	1,150636E+22	1,518128E+22	1,745042E+22	1,745019E+22	1,518054E+22	1,150567E+22	7,548022E+21	4,368016E+21	2,679878E+21	2,679960E+21	4,368260E+21	7,548396E+21
1352	1,150607E+22	1,518065E+22	1,744959E+22	1,744973E+22	1,518084E+22	1,150621E+22	7,548435E+21	4,368241E+21	2,679898E+21	2,679776E+21	4,367899E+21	7,547947E+21
1353	1,150575E+22	1,518086E+22	1,745053E+22	1,745068E+22	1,518137E+22	1,150634E+22	7,548227E+21	4,367946E+21	2,679745E+21	2,679801E+21	4,368115E+21	7,548403E+21
1354	1,150635E+22	1,518121E+22	1,745051E+22	1,745034E+22	1,518075E+22	1,150590E+22	7,548092E+21	4,367915E+21	2,679703E+21	2,679748E+21	4,368032E+21	7,548225E+21
1355	1,150600E+22	1,518054E+22	1,744953E+22	1,744995E+22	1,518111E+22	1,150642E+22	7,548527E+21	4,368229E+21	2,679871E+21	2,679774E+21	4,367925E+21	7,548062E+21
1356	1,150606E+22	1,518120E+22	1,745049E+22	1,745038E+22	1,518102E+22	1,150604E+22	7,548121E+21	4,368010E+21	2,679890E+21	2,679995E+21	4,368305E+21	7,548476E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1357	1,150624E+22	1,518094E+22	1,744990E+22	1,744951E+22	1,518028E+22	1,150587E+22	7,548362E+21	4,368347E+21	2,680131E+21	2,680095E+21	4,368236E+21	7,548174E+21
1358	1,150563E+22	1,518009E+22	1,744939E+22	1,744980E+22	1,518079E+22	1,150621E+22	7,548604E+21	4,368587E+21	2,680391E+21	2,680339E+21	4,368425E+21	7,548354E+21
1359	1,150600E+22	1,518068E+22	1,744977E+22	1,744972E+22	1,518034E+22	1,150563E+22	7,548187E+21	4,368441E+21	2,680488E+21	2,680641E+21	4,368892E+21	7,548772E+21
1360	1,150596E+22	1,517993E+22	1,744838E+22	1,744836E+22	1,517988E+22	1,150591E+22	7,548727E+21	4,368962E+21	2,680844E+21	2,680778E+21	4,368774E+21	7,548420E+21
1361	1,150554E+22	1,517975E+22	1,744872E+22	1,744885E+22	1,518018E+22	1,150608E+22	7,548783E+21	4,369016E+21	2,681003E+21	2,681021E+21	4,369059E+21	7,548800E+21
1362	1,150609E+22	1,518025E+22	1,744890E+22	1,744858E+22	1,517945E+22	1,150540E+22	7,548516E+21	4,369036E+21	2,681121E+21	2,681184E+21	4,369198E+21	7,548742E+21
1363	1,150569E+22	1,517946E+22	1,744775E+22	1,744791E+22	1,517962E+22	1,150587E+22	7,548986E+21	4,369420E+21	2,681344E+21	2,681222E+21	4,369051E+21	7,548437E+21
1364	1,150541E+22	1,517969E+22	1,744868E+22	1,744874E+22	1,517994E+22	1,150575E+22	7,548638E+21	4,369136E+21	2,681264E+21	2,681340E+21	4,369363E+21	7,548903E+21
1365	1,150580E+22	1,517967E+22	1,744827E+22	1,744810E+22	1,517934E+22	1,150553E+22	7,548692E+21	4,369193E+21	2,681226E+21	2,681228E+21	4,369193E+21	7,548654E+21
1366	1,150539E+22	1,517900E+22	1,744769E+22	1,744827E+22	1,517997E+22	1,150606E+22	7,548977E+21	4,369272E+21	2,681169E+21	2,681072E+21	4,368985E+21	7,548570E+21
1367	1,150577E+22	1,518005E+22	1,744883E+22	1,744880E+22	1,517993E+22	1,150564E+22	7,548427E+21	4,368811E+21	2,680883E+21	2,680993E+21	4,369155E+21	7,548922E+21
1368	1,150601E+22	1,517993E+22	1,744829E+22	1,744801E+22	1,517950E+22	1,150574E+22	7,548699E+21	4,368961E+21	2,680825E+21	2,680733E+21	4,368706E+21	7,548371E+21
1369	1,150555E+22	1,517982E+22	1,744894E+22	1,744914E+22	1,518028E+22	1,150606E+22	7,548710E+21	4,368813E+21	2,680669E+21	2,680612E+21	4,368645E+21	7,548497E+21
1370	1,150606E+22	1,518064E+22	1,744969E+22	1,744960E+22	1,518018E+22	1,150550E+22	7,548168E+21	4,368446E+21	2,680439E+21	2,680524E+21	4,368700E+21	7,548557E+21
1371	1,150590E+22	1,518013E+22	1,744872E+22	1,744884E+22	1,518030E+22	1,150603E+22	7,548565E+21	4,368626E+21	2,680423E+21	2,680332E+21	4,368378E+21	7,548204E+21
1372	1,150563E+22	1,518030E+22	1,744965E+22	1,744979E+22	1,518078E+22	1,150615E+22	7,548399E+21	4,368379E+21	2,680286E+21	2,680340E+21	4,368545E+21	7,548590E+21
1373	1,150619E+22	1,518067E+22	1,744962E+22	1,744936E+22	1,518009E+22	1,150568E+22	7,548304E+21	4,368398E+21	2,680282E+21	2,680316E+21	4,368475E+21	7,548390E+21
1374	1,150580E+22	1,517999E+22	1,744879E+22	1,744911E+22	1,518043E+22	1,150613E+22	7,548716E+21	4,368737E+21	2,680487E+21	2,680365E+21	4,368355E+21	7,548156E+21
1375	1,150573E+22	1,518053E+22	1,744971E+22	1,744967E+22	1,518050E+22	1,150581E+22	7,548296E+21	4,368506E+21	2,680512E+21	2,680620E+21	4,368820E+21	7,548674E+21
1376	1,150592E+22	1,518013E+22	1,744879E+22	1,744850E+22	1,517967E+22	1,150565E+22	7,548541E+21	4,368854E+21	2,680797E+21	2,680779E+21	4,368806E+21	7,548431E+21
1377	1,150540E+22	1,517937E+22	1,744835E+22	1,744871E+22	1,518010E+22	1,150606E+22	7,548883E+21	4,369131E+21	2,681060E+21	2,681011E+21	4,368974E+21	7,548609E+21
1378	1,150580E+22	1,517994E+22	1,744871E+22	1,744873E+22	1,517971E+22	1,150544E+22	7,548449E+21	4,369009E+21	2,681171E+21	2,681306E+21	4,369398E+21	7,548980E+21
1379	1,150586E+22	1,517948E+22	1,744746E+22	1,744727E+22	1,517911E+22	1,150563E+22	7,548909E+21	4,369474E+21	2,681493E+21	2,681429E+21	4,369286E+21	7,548627E+21
1380	1,150536E+22	1,517924E+22	1,744796E+22	1,744799E+22	1,517950E+22	1,150579E+22	7,548949E+21	4,369526E+21	2,681645E+21	2,681651E+21	4,369534E+21	7,548923E+21
1381	1,150576E+22	1,517956E+22	1,744803E+22	1,744776E+22	1,517889E+22	1,150518E+22	7,548706E+21	4,369536E+21	2,681750E+21	2,681818E+21	4,369713E+21	7,548926E+21
1382	1,150537E+22	1,517869E+22	1,744688E+22	1,744717E+22	1,517915E+22	1,150569E+22	7,549148E+21	4,369873E+21	2,681929E+21	2,681812E+21	4,369533E+21	7,548643E+21
1383	1,150515E+22	1,517893E+22	1,744770E+22	1,744790E+22	1,517949E+22	1,150565E+22	7,548835E+21	4,369554E+21	2,681787E+21	2,681881E+21	4,369847E+21	7,549187E+21
1384	1,150568E+22	1,517902E+22	1,744717E+22	1,744697E+22	1,517865E+22	1,150535E+22	7,548900E+21	4,369639E+21	2,681764E+21	2,681764E+21	4,369637E+21	7,548897E+21
1385	1,150535E+22	1,517864E+22	1,744695E+22	1,744727E+22	1,517922E+22	1,150583E+22	7,549189E+21	4,369733E+21	2,681711E+21	2,681589E+21	4,369369E+21	7,548704E+21
1386	1,150560E+22	1,517960E+22	1,744819E+22	1,744809E+22	1,517936E+22	1,150538E+22	7,548583E+21	4,369266E+21	2,681439E+21	2,681525E+21	4,369524E+21	7,548995E+21
1387	1,150583E+22	1,517955E+22	1,744771E+22	1,744734E+22	1,517896E+22	1,150546E+22	7,548758E+21	4,369325E+21	2,681335E+21	2,681264E+21	4,369137E+21	7,548526E+21
1388	1,150531E+22	1,517928E+22	1,744828E+22	1,744852E+22	1,517987E+22	1,150585E+22	7,548783E+21	4,369170E+21	2,681164E+21	2,681119E+21	4,369052E+21	7,548643E+21
1389	1,150580E+22	1,517995E+22	1,744878E+22	1,744879E+22	1,517976E+22	1,150543E+22	7,548368E+21	4,368847E+21	2,680938E+21	2,681033E+21	4,369122E+21	7,548755E+21
1390	1,150573E+22	1,517952E+22	1,744792E+22	1,744807E+22	1,517979E+22	1,150587E+22	7,548769E+21	4,369064E+21	2,680941E+21	2,680831E+21	4,368757E+21	7,548345E+21
1391	1,150544E+22	1,517973E+22	1,744883E+22	1,744897E+22	1,518025E+22	1,150599E+22	7,548617E+21	4,368847E+21	2,680835E+21	2,680875E+21	4,368967E+21	7,548739E+21
1392	1,150594E+22	1,518004E+22	1,744869E+22	1,744835E+22	1,517938E+22	1,150545E+22	7,548526E+21	4,368922E+21	2,680916E+21	2,680942E+21	4,368967E+21	7,548561E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1393	1,150554E+22	1,517938E+22	1,744798E+22	1,744818E+22	1,517972E+22	1,150587E+22	7,548927E+21	4,369279E+21	2,681163E+21	2,681039E+21	4,368892E+21	7,548350E+21
1394	1,150541E+22	1,517971E+22	1,744869E+22	1,744879E+22	1,517996E+22	1,150560E+22	7,548481E+21	4,369037E+21	2,681206E+21	2,681322E+21	4,369382E+21	7,548931E+21
1395	1,150579E+22	1,517951E+22	1,744772E+22	1,744737E+22	1,517895E+22	1,150540E+22	7,548685E+21	4,369319E+21	2,681437E+21	2,681460E+21	4,369395E+21	7,548764E+21
1396	1,150533E+22	1,517881E+22	1,744739E+22	1,744765E+22	1,517935E+22	1,150576E+22	7,549042E+21	4,369630E+21	2,681697E+21	2,681646E+21	4,369478E+21	7,548833E+21
1397	1,150565E+22	1,517938E+22	1,744779E+22	1,744771E+22	1,517902E+22	1,150521E+22	7,548670E+21	4,369544E+21	2,681825E+21	2,681949E+21	4,369890E+21	7,549152E+21
1398	1,150563E+22	1,517889E+22	1,744675E+22	1,744651E+22	1,517848E+22	1,150536E+22	7,549103E+21	4,370000E+21	2,682141E+21	2,682056E+21	4,369748E+21	7,548735E+21
1399	1,150501E+22	1,517850E+22	1,744713E+22	1,744730E+22	1,517907E+22	1,150563E+22	7,549149E+21	4,370022E+21	2,682260E+21	2,682273E+21	4,370044E+21	7,549094E+21
1400	1,150540E+22	1,517870E+22	1,744690E+22	1,744675E+22	1,517834E+22	1,150507E+22	7,548936E+21	4,370034E+21	2,682371E+21	2,682450E+21	4,370242E+21	7,549170E+21
1401	1,150516E+22	1,517798E+22	1,744585E+22	1,744608E+22	1,517847E+22	1,150558E+22	7,549424E+21	4,370372E+21	2,682523E+21	2,682401E+21	4,370012E+21	7,548872E+21
1402	1,150500E+22	1,517828E+22	1,744670E+22	1,744693E+22	1,517888E+22	1,150548E+22	7,549062E+21	4,370047E+21	2,682369E+21	2,682438E+21	4,370257E+21	7,549366E+21
1403	1,150567E+22	1,517869E+22	1,744638E+22	1,744597E+22	1,517789E+22	1,150503E+22	7,549003E+21	4,370044E+21	2,682296E+21	2,682301E+21	4,370063E+21	7,549081E+21
1404	1,150526E+22	1,517829E+22	1,744641E+22	1,744659E+22	1,517859E+22	1,150548E+22	7,549255E+21	4,370127E+21	2,682226E+21	2,682096E+21	4,369755E+21	7,548813E+21
1405	1,150537E+22	1,517908E+22	1,744756E+22	1,744751E+22	1,517893E+22	1,150515E+22	7,548681E+21	4,369648E+21	2,681947E+21	2,682043E+21	4,369945E+21	7,549146E+21
1406	1,150556E+22	1,517892E+22	1,744706E+22	1,744681E+22	1,517859E+22	1,150531E+22	7,548865E+21	4,369679E+21	2,681814E+21	2,681755E+21	4,369535E+21	7,548690E+21
1407	1,150510E+22	1,517862E+22	1,744744E+22	1,744783E+22	1,517952E+22	1,150583E+22	7,548985E+21	4,369541E+21	2,681623E+21	2,681596E+21	4,369459E+21	7,548827E+21
1408	1,150562E+22	1,517933E+22	1,744778E+22	1,744777E+22	1,517915E+22	1,150531E+22	7,548611E+21	4,369309E+21	2,681477E+21	2,681557E+21	4,369526E+21	7,548913E+21
1409	1,150558E+22	1,517905E+22	1,744714E+22	1,744707E+22	1,517907E+22	1,150569E+22	7,549020E+21	4,369581E+21	2,681545E+21	2,681404E+21	4,369172E+21	7,548448E+21
1410	1,150517E+22	1,517909E+22	1,744800E+22	1,744815E+22	1,517965E+22	1,150576E+22	7,548819E+21	4,369379E+21	2,681488E+21	2,681505E+21	4,369419E+21	7,548852E+21
1411	1,150571E+22	1,517944E+22	1,744779E+22	1,744743E+22	1,517871E+22	1,150514E+22	7,548619E+21	4,369376E+21	2,681548E+21	2,681608E+21	4,369532E+21	7,548820E+21
1412	1,150533E+22	1,517870E+22	1,744706E+22	1,744730E+22	1,517909E+22	1,150558E+22	7,549026E+21	4,369729E+21	2,681779E+21	2,681677E+21	4,369435E+21	7,548620E+21
1413	1,150523E+22	1,517900E+22	1,744763E+22	1,744776E+22	1,517931E+22	1,150542E+22	7,548688E+21	4,369523E+21	2,681820E+21	2,681955E+21	4,369920E+21	7,549214E+21
1414	1,150567E+22	1,517891E+22	1,744687E+22	1,744649E+22	1,517828E+22	1,150516E+22	7,548884E+21	4,369816E+21	2,682051E+21	2,682064E+21	4,369864E+21	7,548958E+21
1415	1,150519E+22	1,517829E+22	1,744658E+22	1,744679E+22	1,517878E+22	1,150561E+22	7,549271E+21	4,370137E+21	2,682315E+21	2,682261E+21	4,369955E+21	7,548972E+21
1416	1,150537E+22	1,517873E+22	1,744686E+22	1,744673E+22	1,517835E+22	1,150503E+22	7,548933E+21	4,370118E+21	2,682512E+21	2,682619E+21	4,370402E+21	7,549304E+21
1417	1,150532E+22	1,517820E+22	1,744588E+22	1,744562E+22	1,517787E+22	1,150519E+22	7,549355E+21	4,370572E+21	2,682840E+21	2,682742E+21	4,370285E+21	7,548919E+21
1418	1,150467E+22	1,517760E+22	1,744599E+22	1,744638E+22	1,517855E+22	1,150551E+22	7,549391E+21	4,370565E+21	2,682938E+21	2,682943E+21	4,370568E+21	7,549327E+21
1419	1,150526E+22	1,517805E+22	1,744578E+22	1,744560E+22	1,517759E+22	1,150483E+22	7,549111E+21	4,370493E+21	2,682968E+21	2,683074E+21	4,370782E+21	7,549478E+21
1420	1,150511E+22	1,517750E+22	1,744499E+22	1,744508E+22	1,517766E+22	1,150521E+22	7,549536E+21	4,370815E+21	2,683080E+21	2,682948E+21	4,370443E+21	7,549059E+21
1421	1,150489E+22	1,517784E+22	1,744593E+22	1,744602E+22	1,517816E+22	1,150519E+22	7,549203E+21	4,370482E+21	2,682916E+21	2,682977E+21	4,370666E+21	7,549493E+21
1422	1,150546E+22	1,517824E+22	1,744590E+22	1,744545E+22	1,517737E+22	1,150475E+22	7,549081E+21	4,370422E+21	2,682801E+21	2,682802E+21	4,370435E+21	7,549160E+21
1423	1,150498E+22	1,517773E+22	1,744578E+22	1,744611E+22	1,517829E+22	1,150535E+22	7,549357E+21	4,370471E+21	2,682696E+21	2,682587E+21	4,370161E+21	7,548930E+21
1424	1,150505E+22	1,517835E+22	1,744662E+22	1,744672E+22	1,517853E+22	1,150513E+22	7,548896E+21	4,370055E+21	2,682451E+21	2,682551E+21	4,370360E+21	7,549324E+21
1425	1,150536E+22	1,517830E+22	1,744618E+22	1,744595E+22	1,517808E+22	1,150527E+22	7,549133E+21	4,370131E+21	2,682337E+21	2,682263E+21	4,369931E+21	7,548848E+21
1426	1,150491E+22	1,517797E+22	1,744647E+22	1,744695E+22	1,517899E+22	1,150573E+22	7,549244E+21	4,370033E+21	2,682189E+21	2,682129E+21	4,369836E+21	7,548946E+21
1427	1,150551E+22	1,517889E+22	1,744693E+22	1,744676E+22	1,517839E+22	1,150505E+22	7,548767E+21	4,369750E+21	2,682044E+21	2,682135E+21	4,369991E+21	7,549097E+21
1428	1,150542E+22	1,517858E+22	1,744644E+22	1,744627E+22	1,517832E+22	1,150530E+22	7,549112E+21	4,370031E+21	2,682132E+21	2,681996E+21	4,369649E+21	7,548621E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1429	1,150493E+22	1,517846E+22	1,744713E+22	1,744733E+22	1,517906E+22	1,150550E+22	7,548937E+21	4,369829E+21	2,682094E+21	2,682138E+21	4,369959E+21	7,549104E+21
1430	1,150550E+22	1,517876E+22	1,744695E+22	1,744667E+22	1,517816E+22	1,150491E+22	7,548728E+21	4,369790E+21	2,682126E+21	2,682214E+21	4,370053E+21	7,549099E+21
1431	1,150522E+22	1,517809E+22	1,744611E+22	1,744642E+22	1,517855E+22	1,150544E+22	7,549213E+21	4,370161E+21	2,682340E+21	2,682266E+21	4,369940E+21	7,548865E+21
1432	1,150510E+22	1,517842E+22	1,744662E+22	1,744667E+22	1,517858E+22	1,150525E+22	7,548959E+21	4,370070E+21	2,682464E+21	2,682578E+21	4,370396E+21	7,549394E+21
1433	1,150550E+22	1,517841E+22	1,744607E+22	1,744553E+22	1,517756E+22	1,150498E+22	7,549167E+21	4,370411E+21	2,682751E+21	2,682729E+21	4,370337E+21	7,549048E+21
1434	1,150484E+22	1,517756E+22	1,744568E+22	1,744600E+22	1,517823E+22	1,150545E+22	7,549546E+21	4,370742E+21	2,683044E+21	2,682959E+21	4,370448E+21	7,549066E+21
1435	1,150504E+22	1,517799E+22	1,744583E+22	1,744575E+22	1,517769E+22	1,150479E+22	7,549110E+21	4,370639E+21	2,683201E+21	2,683329E+21	4,370989E+21	7,549542E+21
1436	1,150503E+22	1,517740E+22	1,744481E+22	1,744465E+22	1,517719E+22	1,150493E+22	7,549530E+21	4,371073E+21	2,683480E+21	2,683392E+21	4,370831E+21	7,549182E+21
1437	1,150448E+22	1,517685E+22	1,744483E+22	1,744529E+22	1,517785E+22	1,150530E+22	7,549600E+21	4,371050E+21	2,683540E+21	2,683554E+21	4,371082E+21	7,549587E+21
1438	1,150513E+22	1,517748E+22	1,744493E+22	1,744469E+22	1,517688E+22	1,150454E+22	7,549247E+21	4,370927E+21	2,683519E+21	2,683619E+21	4,371214E+21	7,549671E+21
1439	1,150501E+22	1,517708E+22	1,744429E+22	1,744432E+22	1,517709E+22	1,150499E+22	7,549667E+21	4,371203E+21	2,683586E+21	2,683467E+21	4,370860E+21	7,549185E+21
1440	1,150466E+22	1,517733E+22	1,744522E+22	1,744526E+22	1,517757E+22	1,150498E+22	7,549378E+21	4,370926E+21	2,683465E+21	2,683517E+21	4,371088E+21	7,549626E+21
1441	1,150520E+22	1,517769E+22	1,744521E+22	1,744483E+22	1,517696E+22	1,150463E+22	7,549254E+21	4,370852E+21	2,683349E+21	2,683345E+21	4,370856E+21	7,549298E+21
1442	1,150471E+22	1,517701E+22	1,744486E+22	1,744542E+22	1,517796E+22	1,150534E+22	7,549579E+21	4,370896E+21	2,683228E+21	2,683114E+21	4,370560E+21	7,549096E+21
1443	1,150494E+22	1,517780E+22	1,744565E+22	1,744572E+22	1,517790E+22	1,150498E+22	7,549081E+21	4,370451E+21	2,682954E+21	2,683068E+21	4,370793E+21	7,549542E+21
1444	1,150528E+22	1,517787E+22	1,744540E+22	1,744506E+22	1,517736E+22	1,150496E+22	7,549282E+21	4,370560E+21	2,682853E+21	2,682764E+21	4,370318E+21	7,548995E+21
1445	1,150476E+22	1,517751E+22	1,744567E+22	1,744607E+22	1,517830E+22	1,150545E+22	7,549402E+21	4,370477E+21	2,682742E+21	2,682681E+21	4,370267E+21	7,549074E+21
1446	1,150524E+22	1,517835E+22	1,744633E+22	1,744615E+22	1,517779E+22	1,150473E+22	7,548856E+21	4,370156E+21	2,682588E+21	2,682692E+21	4,370442E+21	7,549253E+21
1447	1,150517E+22	1,517798E+22	1,744568E+22	1,744563E+22	1,517789E+22	1,150511E+22	7,549208E+21	4,370399E+21	2,682660E+21	2,682568E+21	4,370146E+21	7,548821E+21
1448	1,150467E+22	1,517775E+22	1,744611E+22	1,744637E+22	1,517847E+22	1,150538E+22	7,549164E+21	4,370299E+21	2,682682E+21	2,682734E+21	4,370458E+21	7,549354E+21
1449	1,150536E+22	1,517818E+22	1,744601E+22	1,744573E+22	1,517756E+22	1,150480E+22	7,548993E+21	4,370313E+21	2,682750E+21	2,682821E+21	4,370521E+21	7,549289E+21
1450	1,150505E+22	1,517748E+22	1,744513E+22	1,744549E+22	1,517797E+22	1,150532E+22	7,549505E+21	4,370734E+21	2,683014E+21	2,682900E+21	4,370385E+21	7,548997E+21
1451	1,150493E+22	1,517789E+22	1,744571E+22	1,744563E+22	1,517781E+22	1,150500E+22	7,549194E+21	4,370625E+21	2,683154E+21	2,683264E+21	4,370929E+21	7,549569E+21
1452	1,150523E+22	1,517779E+22	1,744526E+22	1,744472E+22	1,517683E+22	1,150462E+22	7,549344E+21	4,370972E+21	2,683452E+21	2,683425E+21	4,370889E+21	7,549226E+21
1453	1,150449E+22	1,517673E+22	1,744456E+22	1,744503E+22	1,517761E+22	1,150523E+22	7,549737E+21	4,371276E+21	2,683741E+21	2,683679E+21	4,371057E+21	7,549324E+21
1454	1,150472E+22	1,517715E+22	1,744479E+22	1,744481E+22	1,517706E+22	1,150458E+22	7,549277E+21	4,371102E+21	2,683822E+21	2,683979E+21	4,371550E+21	7,549842E+21
1455	1,150491E+22	1,517676E+22	1,744375E+22	1,744362E+22	1,517652E+22	1,150472E+22	7,549701E+21	4,371502E+21	2,684043E+21	2,683985E+21	4,371338E+21	7,549427E+21
1456	1,150436E+22	1,517631E+22	1,744384E+22	1,744416E+22	1,517704E+22	1,150505E+22	7,549826E+21	4,371559E+21	2,684142E+21	2,684134E+21	4,371528E+21	7,549773E+21
1457	1,150500E+22	1,517706E+22	1,744422E+22	1,744386E+22	1,517624E+22	1,150431E+22	7,549438E+21	4,371422E+21	2,684123E+21	2,684192E+21	4,371624E+21	7,549762E+21
1458	1,150473E+22	1,517651E+22	1,744356E+22	1,744370E+22	1,517667E+22	1,150483E+22	7,549853E+21	4,371672E+21	2,684172E+21	2,684032E+21	4,371262E+21	7,549287E+21
1459	1,150442E+22	1,517674E+22	1,744438E+22	1,744448E+22	1,517707E+22	1,150482E+22	7,549524E+21	4,371327E+21	2,684001E+21	2,684075E+21	4,371556E+21	7,549827E+21
1460	1,150499E+22	1,517707E+22	1,744438E+22	1,744409E+22	1,517643E+22	1,150444E+22	7,549424E+21	4,371253E+21	2,683844E+21	2,683848E+21	4,371272E+21	7,549485E+21
1461	1,150454E+22	1,517642E+22	1,744390E+22	1,744451E+22	1,517741E+22	1,150520E+22	7,549790E+21	4,371314E+21	2,683729E+21	2,683617E+21	4,370969E+21	7,549262E+21
1462	1,150474E+22	1,517731E+22	1,744494E+22	1,744495E+22	1,517730E+22	1,150475E+22	7,549223E+21	4,370839E+21	2,683437E+21	2,683545E+21	4,371161E+21	7,549673E+21
1463	1,150513E+22	1,517746E+22	1,744474E+22	1,744435E+22	1,517681E+22	1,150473E+22	7,549407E+21	4,370930E+21	2,683340E+21	2,683269E+21	4,370728E+21	7,549113E+21
1464	1,150451E+22	1,517697E+22	1,744491E+22	1,744527E+22	1,517768E+22	1,150520E+22	7,549574E+21	4,370936E+21	2,683308E+21	2,683243E+21	4,370728E+21	7,549263E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1465	1,150500E+22	1,517774E+22	1,744550E+22	1,744541E+22	1,517734E+22	1,150459E+22	7,549025E+21	4,370614E+21	2,683180E+21	2,683286E+21	4,370929E+21	7,549470E+21
1466	1,150496E+22	1,517730E+22	1,744470E+22	1,744481E+22	1,517746E+22	1,150504E+22	7,549438E+21	4,370868E+21	2,683252E+21	2,683161E+21	4,370618E+21	7,549065E+21
1467	1,150461E+22	1,517723E+22	1,744512E+22	1,744528E+22	1,517771E+22	1,150514E+22	7,549368E+21	4,370777E+21	2,683285E+21	2,683346E+21	4,370958E+21	7,549594E+21
1468	1,150525E+22	1,517771E+22	1,744518E+22	1,744480E+22	1,517679E+22	1,150446E+22	7,549189E+21	4,370841E+21	2,683388E+21	2,683441E+21	4,370984E+21	7,549430E+21
1469	1,150481E+22	1,517691E+22	1,744424E+22	1,744457E+22	1,517729E+22	1,150506E+22	7,549719E+21	4,371281E+21	2,683696E+21	2,683580E+21	4,370904E+21	7,549118E+21
1470	1,150452E+22	1,517715E+22	1,744489E+22	1,744488E+22	1,517720E+22	1,150472E+22	7,549353E+21	4,371132E+21	2,683817E+21	2,683936E+21	4,371466E+21	7,549745E+21
1471	1,150489E+22	1,517699E+22	1,744423E+22	1,744386E+22	1,517634E+22	1,150446E+22	7,549524E+21	4,371436E+21	2,684078E+21	2,684092E+21	4,371463E+21	7,549468E+21
1472	1,150421E+22	1,517590E+22	1,744334E+22	1,744385E+22	1,517689E+22	1,150507E+22	7,550014E+21	4,371816E+21	2,684389E+21	2,684331E+21	4,371610E+21	7,549619E+21
1473	1,150457E+22	1,517649E+22	1,744369E+22	1,744371E+22	1,517637E+22	1,150440E+22	7,549534E+21	4,371645E+21	2,684467E+21	2,684602E+21	4,372036E+21	7,550058E+21
1474	1,150477E+22	1,517620E+22	1,744281E+22	1,744264E+22	1,517588E+22	1,150454E+22	7,549936E+21	4,372023E+21	2,684673E+21	2,684583E+21	4,371769E+21	7,549594E+21
1475	1,150426E+22	1,517589E+22	1,744306E+22	1,744318E+22	1,517625E+22	1,150472E+22	7,549983E+21	4,372037E+21	2,684752E+21	2,684744E+21	4,372009E+21	7,549947E+21
1476	1,150480E+22	1,517657E+22	1,744358E+22	1,744322E+22	1,517564E+22	1,150397E+22	7,549560E+21	4,371882E+21	2,684705E+21	2,684773E+21	4,372084E+21	7,549920E+21
1477	1,150446E+22	1,517585E+22	1,744269E+22	1,744297E+22	1,517624E+22	1,150468E+22	7,550002E+21	4,372090E+21	2,684728E+21	2,684610E+21	4,371748E+21	7,549486E+21
1478	1,150413E+22	1,517607E+22	1,744358E+22	1,744374E+22	1,517659E+22	1,150468E+22	7,549684E+21	4,371698E+21	2,684482E+21	2,684573E+21	4,371974E+21	7,550035E+21
1479	1,150487E+22	1,517656E+22	1,744356E+22	1,744328E+22	1,517593E+22	1,150429E+22	7,549589E+21	4,371609E+21	2,684296E+21	2,684316E+21	4,371653E+21	7,549625E+21
1480	1,150437E+22	1,517595E+22	1,744307E+22	1,744353E+22	1,517672E+22	1,150499E+22	7,550011E+21	4,371770E+21	2,684252E+21	2,684114E+21	4,371344E+21	7,549387E+21
1481	1,150454E+22	1,517683E+22	1,744424E+22	1,744421E+22	1,517679E+22	1,150455E+22	7,549399E+21	4,371299E+21	2,683996E+21	2,684079E+21	4,371548E+21	7,549756E+21
1482	1,150483E+22	1,517684E+22	1,744398E+22	1,744371E+22	1,517640E+22	1,150457E+22	7,549568E+21	4,371376E+21	2,683910E+21	2,683828E+21	4,371156E+21	7,549278E+21
1483	1,150430E+22	1,517634E+22	1,744400E+22	1,744438E+22	1,517709E+22	1,150498E+22	7,549712E+21	4,371356E+21	2,683873E+21	2,683835E+21	4,371241E+21	7,549536E+21
1484	1,150486E+22	1,517715E+22	1,744463E+22	1,744457E+22	1,517672E+22	1,150433E+22	7,549196E+21	4,371057E+21	2,683733E+21	2,683851E+21	4,371401E+21	7,549713E+21
1485	1,150483E+22	1,517672E+22	1,744372E+22	1,744381E+22	1,517682E+22	1,150484E+22	7,549644E+21	4,371343E+21	2,683841E+21	2,683756E+21	4,371097E+21	7,549257E+21
1486	1,150440E+22	1,517671E+22	1,744437E+22	1,744441E+22	1,517705E+22	1,150489E+22	7,549550E+21	4,371244E+21	2,683871E+21	2,683929E+21	4,371405E+21	7,549741E+21
1487	1,150504E+22	1,517720E+22	1,744443E+22	1,744400E+22	1,517621E+22	1,150423E+22	7,549362E+21	4,371309E+21	2,683999E+21	2,684069E+21	4,371477E+21	7,549553E+21
1488	1,150445E+22	1,517619E+22	1,744329E+22	1,744361E+22	1,517664E+22	1,150484E+22	7,549963E+21	4,371848E+21	2,684386E+21	2,684264E+21	4,371461E+21	7,549342E+21
1489	1,150421E+22	1,517631E+22	1,744379E+22	1,744394E+22	1,517671E+22	1,150460E+22	7,549587E+21	4,371684E+21	2,684512E+21	2,684628E+21	4,372025E+21	7,549991E+21
1490	1,150464E+22	1,517617E+22	1,744303E+22	1,744279E+22	1,517575E+22	1,150434E+22	7,549800E+21	4,371984E+21	2,684748E+21	2,684752E+21	4,371995E+21	7,549765E+21
1491	1,150415E+22	1,517532E+22	1,744223E+22	1,744257E+22	1,517597E+22	1,150474E+22	7,550225E+21	4,372349E+21	2,685045E+21	2,684984E+21	4,372146E+21	7,549897E+21
1492	1,150450E+22	1,517604E+22	1,744288E+22	1,744271E+22	1,517551E+22	1,150400E+22	7,549708E+21	4,372174E+21	2,685108E+21	2,685225E+21	4,372506E+21	7,550219E+21
1493	1,150456E+22	1,517569E+22	1,744205E+22	1,744180E+22	1,517523E+22	1,150425E+22	7,550091E+21	4,372513E+21	2,685306E+21	2,685221E+21	4,372261E+21	7,549717E+21
1494	1,150390E+22	1,517528E+22	1,744243E+22	1,744257E+22	1,517576E+22	1,150447E+22	7,550086E+21	4,372453E+21	2,685316E+21	2,685322E+21	4,372470E+21	7,550107E+21
1495	1,150452E+22	1,517591E+22	1,744275E+22	1,744256E+22	1,517532E+22	1,150389E+22	7,549704E+21	4,372248E+21	2,685211E+21	2,685311E+21	4,372528E+21	7,550084E+21
1496	1,150420E+22	1,517516E+22	1,744172E+22	1,744204E+22	1,517572E+22	1,150461E+22	7,550266E+21	4,372545E+21	2,685250E+21	2,685121E+21	4,372167E+21	7,549693E+21
1497	1,150397E+22	1,517545E+22	1,744264E+22	1,744286E+22	1,517612E+22	1,150459E+22	7,549928E+21	4,372167E+21	2,685014E+21	2,685066E+21	4,372331E+21	7,550148E+21
1498	1,150467E+22	1,517602E+22	1,744275E+22	1,744246E+22	1,517543E+22	1,150418E+22	7,549824E+21	4,372071E+21	2,684830E+21	2,684815E+21	4,372015E+21	7,549763E+21
1499	1,150423E+22	1,517550E+22	1,744235E+22	1,744261E+22	1,517596E+22	1,150466E+22	7,550138E+21	4,372202E+21	2,684800E+21	2,684668E+21	4,371797E+21	7,549575E+21
1500	1,150434E+22	1,517630E+22	1,744356E+22	1,744351E+22	1,517617E+22	1,150421E+22	7,549496E+21	4,371721E+21	2,684543E+21	2,684639E+21	4,372014E+21	7,549966E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1501	1,150463E+22	1,517621E+22	1,744310E+22	1,744290E+22	1,517593E+22	1,150439E+22	7,549677E+21	4,371757E+21	2,684448E+21	2,684407E+21	4,371659E+21	7,549529E+21
1502	1,150413E+22	1,517578E+22	1,744323E+22	1,744354E+22	1,517651E+22	1,150475E+22	7,549823E+21	4,371723E+21	2,684370E+21	2,684355E+21	4,371681E+21	7,549780E+21
1503	1,150481E+22	1,517671E+22	1,744384E+22	1,744371E+22	1,517617E+22	1,150413E+22	7,549350E+21	4,371452E+21	2,684245E+21	2,684372E+21	4,371801E+21	7,549847E+21
1504	1,150465E+22	1,517623E+22	1,744294E+22	1,744286E+22	1,517613E+22	1,150462E+22	7,549887E+21	4,371868E+21	2,684452E+21	2,684338E+21	4,371528E+21	7,549378E+21
1505	1,150411E+22	1,517607E+22	1,744355E+22	1,744365E+22	1,517656E+22	1,150472E+22	7,549786E+21	4,371802E+21	2,684540E+21	2,684565E+21	4,371859E+21	7,549810E+21
1506	1,150463E+22	1,517640E+22	1,744348E+22	1,744321E+22	1,517579E+22	1,150413E+22	7,549619E+21	4,371866E+21	2,684683E+21	2,684738E+21	4,371999E+21	7,549757E+21
1507	1,150417E+22	1,517537E+22	1,744215E+22	1,744245E+22	1,517590E+22	1,150462E+22	7,550187E+21	4,372387E+21	2,685072E+21	2,684969E+21	4,372062E+21	7,549656E+21
1508	1,150404E+22	1,517557E+22	1,744268E+22	1,744283E+22	1,517592E+22	1,150431E+22	7,549823E+21	4,372238E+21	2,685180E+21	2,685297E+21	4,372575E+21	7,550272E+21
1509	1,150452E+22	1,517553E+22	1,744194E+22	1,744164E+22	1,517499E+22	1,150407E+22	7,550001E+21	4,372519E+21	2,685419E+21	2,685426E+21	4,372538E+21	7,549993E+21
1510	1,150397E+22	1,517482E+22	1,744148E+22	1,744163E+22	1,517520E+22	1,150438E+22	7,550351E+21	4,372826E+21	2,685666E+21	2,685606E+21	4,372634E+21	7,550090E+21
1511	1,150433E+22	1,517556E+22	1,744221E+22	1,744198E+22	1,517494E+22	1,150373E+22	7,549832E+21	4,372616E+21	2,685704E+21	2,685840E+21	4,372987E+21	7,550353E+21
1512	1,150425E+22	1,517502E+22	1,744124E+22	1,744102E+22	1,517471E+22	1,150407E+22	7,550291E+21	4,373010E+21	2,685924E+21	2,685839E+21	4,372768E+21	7,549929E+21
1513	1,150363E+22	1,517452E+22	1,744146E+22	1,744183E+22	1,517544E+22	1,150444E+22	7,550312E+21	4,372923E+21	2,685902E+21	2,685900E+21	4,372921E+21	7,550283E+21
1514	1,150430E+22	1,517521E+22	1,744174E+22	1,744166E+22	1,517489E+22	1,150387E+22	7,549979E+21	4,372715E+21	2,685757E+21	2,685835E+21	4,372937E+21	7,550292E+21
1515	1,150411E+22	1,517462E+22	1,744077E+22	1,744091E+22	1,517493E+22	1,150436E+22	7,550466E+21	4,373007E+21	2,685799E+21	2,685656E+21	4,372590E+21	7,549888E+21
1516	1,150386E+22	1,517499E+22	1,744190E+22	1,744199E+22	1,517537E+22	1,150425E+22	7,550079E+21	4,372615E+21	2,685554E+21	2,685591E+21	4,372718E+21	7,550258E+21
1517	1,150444E+22	1,517547E+22	1,744200E+22	1,744168E+22	1,517483E+22	1,150390E+22	7,549926E+21	4,372483E+21	2,685378E+21	2,685377E+21	4,372465E+21	7,549894E+21
1518	1,150394E+22	1,517494E+22	1,744173E+22	1,744197E+22	1,517544E+22	1,150437E+22	7,550174E+21	4,372540E+21	2,685288E+21	2,685185E+21	4,372240E+21	7,549790E+21
1519	1,150419E+22	1,517576E+22	1,744281E+22	1,744281E+22	1,517575E+22	1,150406E+22	7,549588E+21	4,372038E+21	2,685003E+21	2,685137E+21	4,372433E+21	7,550153E+21
1520	1,150447E+22	1,517565E+22	1,744226E+22	1,744202E+22	1,517537E+22	1,150426E+22	7,549896E+21	4,372187E+21	2,684957E+21	2,684911E+21	4,372068E+21	7,549732E+21
1521	1,150402E+22	1,517526E+22	1,744238E+22	1,744275E+22	1,517608E+22	1,150465E+22	7,550046E+21	4,372195E+21	2,684925E+21	2,684872E+21	4,372036E+21	7,549851E+21
1522	1,150458E+22	1,517618E+22	1,744307E+22	1,744291E+22	1,517570E+22	1,150405E+22	7,549617E+21	4,371970E+21	2,684847E+21	2,684932E+21	4,372201E+21	7,549958E+21
1523	1,150440E+22	1,517562E+22	1,744212E+22	1,744192E+22	1,517539E+22	1,150433E+22	7,550097E+21	4,372416E+21	2,685122E+21	2,685003E+21	4,372060E+21	7,549577E+21
1524	1,150382E+22	1,517530E+22	1,744261E+22	1,744279E+22	1,517591E+22	1,150444E+22	7,549985E+21	4,372352E+21	2,685229E+21	2,685262E+21	4,372428E+21	7,550046E+21
1525	1,150434E+22	1,517554E+22	1,744232E+22	1,744215E+22	1,517517E+22	1,150396E+22	7,549828E+21	4,372390E+21	2,685372E+21	2,685461E+21	4,372623E+21	7,550061E+21
1526	1,150398E+22	1,517470E+22	1,744115E+22	1,744133E+22	1,517508E+22	1,150431E+22	7,550338E+21	4,372864E+21	2,685698E+21	2,685619E+21	4,372616E+21	7,549971E+21
1527	1,150401E+22	1,517508E+22	1,744175E+22	1,744176E+22	1,517515E+22	1,150401E+22	7,549968E+21	4,372706E+21	2,685799E+21	2,685925E+21	4,373059E+21	7,550453E+21
1528	1,150435E+22	1,517502E+22	1,744114E+22	1,744066E+22	1,517423E+22	1,150378E+22	7,550201E+21	4,373055E+21	2,686077E+21	2,686069E+21	4,373026E+21	7,550159E+21
1529	1,150373E+22	1,517420E+22	1,744067E+22	1,744094E+22	1,517474E+22	1,150418E+22	7,550533E+21	4,373351E+21	2,686326E+21	2,686242E+21	4,373095E+21	7,550184E+21
1530	1,150397E+22	1,517482E+22	1,744132E+22	1,744127E+22	1,517461E+22	1,150371E+22	7,550085E+21	4,373128E+21	2,686332E+21	2,686448E+21	4,373468E+21	7,550556E+21
1531	1,150399E+22	1,517426E+22	1,744023E+22	1,744002E+22	1,517407E+22	1,150392E+22	7,550524E+21	4,373498E+21	2,686526E+21	2,686449E+21	4,373280E+21	7,550186E+21
1532	1,150347E+22	1,517382E+22	1,744044E+22	1,744084E+22	1,517475E+22	1,150424E+22	7,550563E+21	4,373415E+21	2,686471E+21	2,686458E+21	4,373355E+21	7,550456E+21
1533	1,150413E+22	1,517461E+22	1,744077E+22	1,744065E+22	1,517424E+22	1,150369E+22	7,550178E+21	4,373171E+21	2,686316E+21	2,686392E+21	4,373369E+21	7,550428E+21
1534	1,150391E+22	1,517420E+22	1,744014E+22	1,744005E+22	1,517417E+22	1,150401E+22	7,550545E+21	4,373386E+21	2,686301E+21	2,686165E+21	4,372993E+21	7,550044E+21
1535	1,150372E+22	1,517457E+22	1,744129E+22	1,744132E+22	1,517481E+22	1,150396E+22	7,550131E+21	4,372963E+21	2,686044E+21	2,686100E+21	4,373119E+21	7,550380E+21
1536	1,150420E+22	1,517490E+22	1,744128E+22	1,744100E+22	1,517435E+22	1,150370E+22	7,550039E+21	4,372870E+21	2,685889E+21	2,685901E+21	4,372912E+21	7,550121E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1537	1,150378E+22	1,517432E+22	1,744087E+22	1,744132E+22	1,517513E+22	1,150428E+22	7,550321E+21	4,372922E+21	2,685787E+21	2,685685E+21	4,372636E+21	7,549963E+21
1538	1,150405E+22	1,517522E+22	1,744197E+22	1,744202E+22	1,517533E+22	1,150404E+22	7,549841E+21	4,372473E+21	2,685507E+21	2,685615E+21	4,372804E+21	7,550336E+21
1539	1,150437E+22	1,517519E+22	1,744147E+22	1,744104E+22	1,517462E+22	1,150402E+22	7,550101E+21	4,372664E+21	2,685526E+21	2,685462E+21	4,372485E+21	7,549878E+21
1540	1,150384E+22	1,517475E+22	1,744165E+22	1,744194E+22	1,517538E+22	1,150439E+22	7,550264E+21	4,372711E+21	2,685545E+21	2,685473E+21	4,372464E+21	7,549915E+21
1541	1,150423E+22	1,517548E+22	1,744220E+22	1,744211E+22	1,517514E+22	1,150386E+22	7,549806E+21	4,372486E+21	2,685513E+21	2,685610E+21	4,372734E+21	7,550092E+21
1542	1,150401E+22	1,517487E+22	1,744123E+22	1,744107E+22	1,517476E+22	1,150407E+22	7,550222E+21	4,372877E+21	2,685751E+21	2,685663E+21	4,372629E+21	7,549863E+21
1543	1,150364E+22	1,517457E+22	1,744154E+22	1,744179E+22	1,517529E+22	1,150426E+22	7,550148E+21	4,372803E+21	2,685840E+21	2,685906E+21	4,372970E+21	7,550311E+21
1544	1,150418E+22	1,517484E+22	1,744121E+22	1,744101E+22	1,517440E+22	1,150374E+22	7,550072E+21	4,372926E+21	2,686018E+21	2,686107E+21	4,373163E+21	7,550353E+21
1545	1,150390E+22	1,517411E+22	1,744016E+22	1,744038E+22	1,517447E+22	1,150409E+22	7,550541E+21	4,373393E+21	2,686352E+21	2,686248E+21	4,373083E+21	7,550129E+21
1546	1,150383E+22	1,517457E+22	1,744095E+22	1,744087E+22	1,517453E+22	1,150384E+22	7,550217E+21	4,373254E+21	2,686456E+21	2,686553E+21	4,373536E+21	7,550623E+21
1547	1,150411E+22	1,517440E+22	1,744031E+22	1,743976E+22	1,517348E+22	1,150348E+22	7,550392E+21	4,373603E+21	2,686766E+21	2,686756E+21	4,373575E+21	7,550371E+21
1548	1,150347E+22	1,517347E+22	1,743975E+22	1,744013E+22	1,517419E+22	1,150399E+22	7,550739E+21	4,373867E+21	2,686985E+21	2,686909E+21	4,373624E+21	7,550377E+21
1549	1,150368E+22	1,517401E+22	1,744020E+22	1,744027E+22	1,517407E+22	1,150363E+22	7,550324E+21	4,373621E+21	2,686959E+21	2,687094E+21	4,373997E+21	7,550770E+21
1550	1,150379E+22	1,517366E+22	1,743930E+22	1,743901E+22	1,517332E+22	1,150367E+22	7,550694E+21	4,373934E+21	2,687071E+21	2,687001E+21	4,373736E+21	7,550422E+21
1551	1,150341E+22	1,517337E+22	1,743960E+22	1,743990E+22	1,517405E+22	1,150396E+22	7,550687E+21	4,373821E+21	2,686994E+21	2,686977E+21	4,373736E+21	7,550548E+21
1552	1,150389E+22	1,517410E+22	1,744004E+22	1,743982E+22	1,517356E+22	1,150342E+22	7,550335E+21	4,373614E+21	2,686859E+21	2,686925E+21	4,373780E+21	7,550553E+21
1553	1,150366E+22	1,517362E+22	1,743942E+22	1,743950E+22	1,517379E+22	1,150380E+22	7,550643E+21	4,373781E+21	2,686824E+21	2,686681E+21	4,373381E+21	7,550138E+21
1554	1,150345E+22	1,517398E+22	1,744053E+22	1,744069E+22	1,517448E+22	1,150392E+22	7,550312E+21	4,373356E+21	2,686540E+21	2,686591E+21	4,373530E+21	7,550588E+21
1555	1,150403E+22	1,517429E+22	1,744041E+22	1,744015E+22	1,517378E+22	1,150354E+22	7,550224E+21	4,373279E+21	2,686400E+21	2,686419E+21	4,373350E+21	7,550362E+21
1556	1,150371E+22	1,517380E+22	1,744003E+22	1,744050E+22	1,517454E+22	1,150412E+22	7,550541E+21	4,373358E+21	2,686308E+21	2,686194E+21	4,373021E+21	7,550097E+21
1557	1,150388E+22	1,517470E+22	1,744113E+22	1,744115E+22	1,517477E+22	1,150392E+22	7,550063E+21	4,372936E+21	2,686072E+21	2,686172E+21	4,373220E+21	7,550424E+21
1558	1,150413E+22	1,517475E+22	1,744084E+22	1,744027E+22	1,517391E+22	1,150372E+22	7,550232E+21	4,373094E+21	2,686084E+21	2,686030E+21	4,372942E+21	7,550044E+21
1559	1,150363E+22	1,517419E+22	1,744086E+22	1,744119E+22	1,517481E+22	1,150414E+22	7,550378E+21	4,373147E+21	2,686136E+21	2,686084E+21	4,372953E+21	7,550065E+21
1560	1,150390E+22	1,517472E+22	1,744122E+22	1,744124E+22	1,517459E+22	1,150369E+22	7,549997E+21	4,372969E+21	2,686140E+21	2,686261E+21	4,373299E+21	7,550388E+21
1561	1,150385E+22	1,517412E+22	1,744011E+22	1,744015E+22	1,517424E+22	1,150392E+22	7,550412E+21	4,373355E+21	2,686371E+21	2,686290E+21	4,373141E+21	7,550113E+21
1562	1,150353E+22	1,517400E+22	1,744050E+22	1,744072E+22	1,517461E+22	1,150412E+22	7,550423E+21	4,373334E+21	2,686463E+21	2,686505E+21	4,373456E+21	7,550570E+21
1563	1,150409E+22	1,517433E+22	1,744029E+22	1,743989E+22	1,517350E+22	1,150339E+22	7,550266E+21	4,373475E+21	2,686695E+21	2,686767E+21	4,373672E+21	7,550554E+21
1564	1,150373E+22	1,517358E+22	1,743935E+22	1,743948E+22	1,517368E+22	1,150377E+22	7,550741E+21	4,373942E+21	2,687043E+21	2,686928E+21	4,373583E+21	7,550233E+21
1565	1,150347E+22	1,517384E+22	1,744003E+22	1,744005E+22	1,517397E+22	1,150367E+22	7,550434E+21	4,373799E+21	2,687158E+21	2,687264E+21	4,374090E+21	7,550758E+21
1566	1,150373E+22	1,517368E+22	1,743941E+22	1,743891E+22	1,517288E+22	1,150326E+22	7,550552E+21	4,374071E+21	2,687394E+21	2,687409E+21	4,374125E+21	7,550625E+21
1567	1,150327E+22	1,517277E+22	1,743870E+22	1,743918E+22	1,517361E+22	1,150384E+22	7,550932E+21	4,374324E+21	2,687574E+21	2,687509E+21	4,374099E+21	7,550554E+21
1568	1,150344E+22	1,517332E+22	1,743916E+22	1,743925E+22	1,517341E+22	1,150346E+22	7,550575E+21	4,374124E+21	2,687549E+21	2,687668E+21	4,374455E+21	7,550973E+21
1569	1,150363E+22	1,517305E+22	1,743836E+22	1,743817E+22	1,517277E+22	1,150346E+22	7,550877E+21	4,374397E+21	2,687636E+21	2,687539E+21	4,374127E+21	7,550528E+21
1570	1,150320E+22	1,517288E+22	1,743885E+22	1,743911E+22	1,517346E+22	1,150379E+22	7,550902E+21	4,374284E+21	2,687539E+21	2,687498E+21	4,374153E+21	7,550712E+21
1571	1,150366E+22	1,517352E+22	1,743927E+22	1,743903E+22	1,517291E+22	1,150311E+22	7,550459E+21	4,374056E+21	2,687427E+21	2,687499E+21	4,374266E+21	7,550784E+21
1572	1,150349E+22	1,517303E+22	1,743861E+22	1,743878E+22	1,517330E+22	1,150363E+22	7,550784E+21	4,374171E+21	2,687357E+21	2,687237E+21	4,373845E+21	7,550351E+21

Years	Longitude $\ominus$											
	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
1573	1,150328E+22	1,517338E+22	1,743961E+22	1,743984E+22	1,517400E+22	1,150384E+22	7,550511E+21	4,373758E+21	2,687060E+21	2,687131E+21	4,373977E+21	7,550781E+21
1574	1,150392E+22	1,517390E+22	1,743968E+22	1,743931E+22	1,517311E+22	1,150329E+22	7,550352E+21	4,373649E+21	2,686875E+21	2,686902E+21	4,373743E+21	7,550558E+21
1575	1,150366E+22	1,517348E+22	1,743936E+22	1,743972E+22	1,517393E+22	1,150387E+22	7,550657E+21	4,373748E+21	2,686812E+21	2,686689E+21	4,373371E+21	7,550144E+21
1576	1,150359E+22	1,517417E+22	1,744042E+22	1,744042E+22	1,517419E+22	1,150370E+22	7,550256E+21	4,373400E+21	2,686638E+21	2,686729E+21	4,373646E+21	7,550534E+21
1577	1,150381E+22	1,517404E+22	1,744000E+22	1,743969E+22	1,517356E+22	1,150355E+22	7,550393E+21	4,373547E+21	2,686667E+21	2,686610E+21	4,373396E+21	7,550183E+21
1578	1,150333E+22	1,517349E+22	1,743990E+22	1,744035E+22	1,517435E+22	1,150408E+22	7,550626E+21	4,373623E+21	2,686718E+21	2,686668E+21	4,373459E+21	7,550330E+21
1579	1,150368E+22	1,517397E+22	1,744010E+22	1,744013E+22	1,517382E+22	1,150346E+22	7,550233E+21	4,373487E+21	2,686773E+21	2,686898E+21	4,373839E+21	7,550687E+21
1580	1,150377E+22	1,517355E+22	1,743911E+22	1,743909E+22	1,517347E+22	1,150367E+22	7,550637E+21	4,373871E+21	2,687013E+21	2,686927E+21	4,373631E+21	7,550300E+21
1581	1,150336E+22	1,517345E+22	1,743957E+22	1,743968E+22	1,517386E+22	1,150388E+22	7,550646E+21	4,373878E+21	2,687144E+21	2,687179E+21	4,373963E+21	7,550699E+21
1582	1,150384E+22	1,517385E+22	1,743957E+22	1,743903E+22	1,517272E+22	1,150302E+22	7,550402E+21	4,373975E+21	2,687350E+21	2,687431E+21	4,374205E+21	7,550758E+21
1583	1,150350E+22	1,517298E+22	1,743853E+22	1,743873E+22	1,517313E+22	1,150350E+22	7,550865E+21	4,374429E+21	2,687702E+21	2,687600E+21	4,374113E+21	7,550395E+21
1584	1,150310E+22	1,517301E+22	1,743899E+22	1,743917E+22	1,517345E+22	1,150355E+22	7,550679E+21	4,374320E+21	2,687817E+21	2,687937E+21	4,374656E+21	7,551026E+21
1585	1,150351E+22	1,517287E+22	1,743827E+22	1,743803E+22	1,517240E+22	1,150316E+22	7,550803E+21	4,374571E+21	2,688007E+21	2,688020E+21	4,374610E+21	7,550835E+21
1586	1,150311E+22	1,517218E+22	1,743766E+22	1,743811E+22	1,517296E+22	1,150373E+22	7,551225E+21	4,374844E+21	2,688163E+21	2,688071E+21	4,374551E+21	7,550761E+21
1587	1,150326E+22	1,517274E+22	1,743823E+22	1,743819E+22	1,517257E+22	1,150314E+22	7,550773E+21	4,374643E+21	2,688172E+21	2,688269E+21	4,374917E+21	7,551147E+21
1588	1,150344E+22	1,517253E+22	1,743758E+22	1,743734E+22	1,517208E+22	1,150317E+22	7,551029E+21	4,374859E+21	2,688234E+21	2,688134E+21	4,374580E+21	7,550650E+21
1589	1,150290E+22	1,517224E+22	1,743802E+22	1,743835E+22	1,517296E+22	1,150359E+22	7,551055E+21	4,374724E+21	2,688118E+21	2,688093E+21	4,374635E+21	7,550881E+21
1590	1,150343E+22	1,517299E+22	1,743851E+22	1,743828E+22	1,517236E+22	1,150288E+22	7,550553E+21	4,374404E+21	2,687914E+21	2,688019E+21	4,374729E+21	7,551061E+21
1591	1,150343E+22	1,517258E+22	1,743782E+22	1,743800E+22	1,517279E+22	1,150345E+22	7,550903E+21	4,374519E+21	2,687815E+21	2,687705E+21	4,374219E+21	7,550509E+21
1592	1,150313E+22	1,517291E+22	1,743884E+22	1,743904E+22	1,517347E+22	1,150370E+22	7,550723E+21	4,374170E+21	2,687544E+21	2,687602E+21	4,374341E+21	7,550923E+21
1593	1,150377E+22	1,517343E+22	1,743899E+22	1,743868E+22	1,517268E+22	1,150311E+22	7,550521E+21	4,374057E+21	2,687372E+21	2,687375E+21	4,374069E+21	7,550602E+21
1594	1,150341E+22	1,517302E+22	1,743869E+22	1,743902E+22	1,517344E+22	1,150374E+22	7,550888E+21	4,374208E+21	2,687344E+21	2,687202E+21	4,373780E+21	7,550271E+21
1595	1,150324E+22	1,517345E+22	1,743955E+22	1,743964E+22	1,517361E+22	1,150345E+22	7,550420E+21	4,373881E+21	2,687246E+21	2,687338E+21	4,374151E+21	7,550757E+21
1596	1,150357E+22	1,517331E+22	1,743898E+22	1,743877E+22	1,517299E+22	1,150338E+22	7,550587E+21	4,374009E+21	2,687278E+21	2,687244E+21	4,373925E+21	7,550431E+21
1597	1,150314E+22	1,517279E+22	1,743880E+22	1,743925E+22	1,517366E+22	1,150391E+22	7,550876E+21	4,374132E+21	2,687347E+21	2,687309E+21	4,373986E+21	7,550571E+21
1598	1,150358E+22	1,517353E+22	1,743922E+22	1,743904E+22	1,517295E+22	1,150309E+22	7,550372E+21	4,373955E+21	2,687377E+21	2,687510E+21	4,374339E+21	7,550939E+21
1599	1,150369E+22	1,517315E+22	1,743835E+22	1,743817E+22	1,517272E+22	1,150331E+22	7,550741E+21	4,374342E+21	2,687643E+21	2,687553E+21	4,374091E+21	7,550404E+21
1600	1,150305E+22	1,517284E+22	1,743878E+22	1,743888E+22	1,517325E+22	1,150362E+22	7,550835E+21	4,374405E+21	2,687813E+21	2,687850E+21	4,374487E+21	7,550861E+21
1601	1,150349E+22	1,517304E+22	1,743862E+22	1,743839E+22	1,517236E+22	1,150286E+22	7,550590E+21	4,374482E+21	2,688009E+21	2,688091E+21	4,374721E+21	7,550926E+21
1602	1,150317E+22	1,517221E+22	1,743748E+22	1,743781E+22	1,517267E+22	1,150349E+22	7,551180E+21	4,374966E+21	2,688337E+21	2,688236E+21	4,374658E+21	7,550666E+21
1603	1,150282E+22	1,517216E+22	1,743780E+22	1,743803E+22	1,517272E+22	1,150336E+22	7,550977E+21	4,374897E+21	2,688487E+21	2,688593E+21	4,375192E+21	7,551294E+21
1604	1,150337E+22	1,517222E+22	1,743719E+22	1,743689E+22	1,517166E+22	1,150296E+22	7,551071E+21	4,375115E+21	2,688661E+21	2,688659E+21	4,375102E+21	7,551015E+21
1605	1,150291E+22	1,517161E+22	1,743672E+22	1,743702E+22	1,517219E+22	1,150348E+22	7,551455E+21	4,375373E+21	2,688809E+21	2,688709E+21	4,375039E+21	7,550907E+21
1606	1,150304E+22	1,517227E+22	1,743750E+22	1,743730E+22	1,517179E+22	1,150274E+22	7,550860E+21	4,375076E+21	2,688751E+21	2,688864E+21	4,375415E+21	7,551386E+21
1607	1,150330E+22	1,517203E+22	1,743688E+22	1,743665E+22	1,517157E+22	1,150286E+22	7,551057E+21	4,375228E+21	2,688771E+21	2,688691E+21	4,375037E+21	7,550845E+21
1608	1,150269E+22	1,517163E+22	1,743720E+22	1,743759E+22	1,517249E+22	1,150344E+22	7,551205E+21	4,375110E+21	2,688627E+21	2,688622E+21	4,375092E+21	7,551136E+21



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1609	1,150332E+22	1,517241E+22	1,743767E+22	1,743762E+22	1,517200E+22	1,150278E+22	7,550732E+21	4,374783E+21	2,688378E+21	2,688473E+21	4,375074E+21	7,551204E+21
1610	1,150334E+22	1,517222E+22	1,743716E+22	1,743723E+22	1,517230E+22	1,150335E+22	7,551136E+21	4,374936E+21	2,688277E+21	2,688140E+21	4,374551E+21	7,550612E+21
1611	1,150288E+22	1,517237E+22	1,743811E+22	1,743822E+22	1,517282E+22	1,150345E+22	7,550921E+21	4,374642E+21	2,688093E+21	2,688118E+21	4,374707E+21	7,550989E+21
1612	1,150347E+22	1,517285E+22	1,743826E+22	1,743796E+22	1,517219E+22	1,150294E+22	7,550710E+21	4,374509E+21	2,687944E+21	2,687942E+21	4,374491E+21	7,550676E+21
1613	1,150303E+22	1,517228E+22	1,743778E+22	1,743818E+22	1,517296E+22	1,150360E+22	7,551087E+21	4,374678E+21	2,687944E+21	2,687815E+21	4,374274E+21	7,550447E+21
1614	1,150299E+22	1,517278E+22	1,743859E+22	1,743867E+22	1,517297E+22	1,150320E+22	7,550559E+21	4,374300E+21	2,687802E+21	2,687922E+21	4,374669E+21	7,551075E+21
1615	1,150351E+22	1,517277E+22	1,743805E+22	1,743781E+22	1,517234E+22	1,150311E+22	7,550702E+21	4,374434E+21	2,687837E+21	2,687811E+21	4,374388E+21	7,550655E+21
1616	1,150301E+22	1,517226E+22	1,743792E+22	1,743827E+22	1,517296E+22	1,150364E+22	7,551059E+21	4,374614E+21	2,687944E+21	2,687903E+21	4,374463E+21	7,550787E+21
1617	1,150343E+22	1,517298E+22	1,743845E+22	1,743829E+22	1,517239E+22	1,150285E+22	7,550545E+21	4,374435E+21	2,687982E+21	2,688103E+21	4,374782E+21	7,551064E+21
1618	1,150345E+22	1,517264E+22	1,743764E+22	1,743740E+22	1,517217E+22	1,150313E+22	7,550975E+21	4,374864E+21	2,688272E+21	2,688182E+21	4,374609E+21	7,550592E+21
1619	1,150269E+22	1,517202E+22	1,743778E+22	1,743800E+22	1,517268E+22	1,150341E+22	7,551063E+21	4,374969E+21	2,688517E+21	2,688553E+21	4,375060E+21	7,551113E+21
1620	1,150324E+22	1,517224E+22	1,743748E+22	1,743734E+22	1,517181E+22	1,150279E+22	7,550871E+21	4,375030E+21	2,688700E+21	2,688794E+21	4,375290E+21	7,551174E+21
1621	1,150295E+22	1,517146E+22	1,743630E+22	1,743659E+22	1,517194E+22	1,150335E+22	7,551498E+21	4,375552E+21	2,689028E+21	2,688919E+21	4,375198E+21	7,550898E+21
1622	1,150269E+22	1,517162E+22	1,743682E+22	1,743686E+22	1,517182E+22	1,150299E+22	7,551148E+21	4,375412E+21	2,689126E+21	2,689224E+21	4,375695E+21	7,551534E+21
1623	1,150326E+22	1,517176E+22	1,743640E+22	1,743594E+22	1,517088E+22	1,150256E+22	7,551161E+21	4,375589E+21	2,689281E+21	2,689269E+21	4,375561E+21	7,551140E+21
1624	1,150262E+22	1,517101E+22	1,743596E+22	1,743624E+22	1,517156E+22	1,150317E+22	7,551584E+21	4,375838E+21	2,689411E+21	2,689320E+21	4,375538E+21	7,551103E+21
1625	1,150278E+22	1,517158E+22	1,743670E+22	1,743670E+22	1,517142E+22	1,150256E+22	7,550975E+21	4,375473E+21	2,689287E+21	2,689408E+21	4,375850E+21	7,551559E+21
1626	1,150310E+22	1,517147E+22	1,743609E+22	1,743589E+22	1,517116E+22	1,150282E+22	7,551280E+21	4,375631E+21	2,689254E+21	2,689183E+21	4,375460E+21	7,551056E+21
1627	1,150250E+22	1,517100E+22	1,743631E+22	1,743673E+22	1,517194E+22	1,150328E+22	7,551423E+21	4,375562E+21	2,689151E+21	2,689119E+21	4,375469E+21	7,551296E+21
1628	1,150320E+22	1,517192E+22	1,743686E+22	1,743675E+22	1,517149E+22	1,150267E+22	7,550954E+21	4,375226E+21	2,688909E+21	2,688976E+21	4,375423E+21	7,551260E+21
1629	1,150307E+22	1,517169E+22	1,743643E+22	1,743638E+22	1,517172E+22	1,150320E+22	7,551374E+21	4,375414E+21	2,688840E+21	2,688683E+21	4,374944E+21	7,550684E+21
1630	1,150260E+22	1,517182E+22	1,743740E+22	1,743745E+22	1,517218E+22	1,150313E+22	7,551020E+21	4,375058E+21	2,688637E+21	2,688674E+21	4,375169E+21	7,551184E+21
1631	1,150325E+22	1,517223E+22	1,743745E+22	1,743722E+22	1,517169E+22	1,150268E+22	7,550766E+21	4,374893E+21	2,688488E+21	2,688511E+21	4,374973E+21	7,550900E+21
1632	1,150282E+22	1,517160E+22	1,743683E+22	1,743725E+22	1,517238E+22	1,150342E+22	7,551244E+21	4,375088E+21	2,688487E+21	2,688392E+21	4,374790E+21	7,550764E+21
1633	1,150293E+22	1,517218E+22	1,743766E+22	1,743779E+22	1,517239E+22	1,150300E+22	7,550722E+21	4,374718E+21	2,688329E+21	2,688450E+21	4,375091E+21	7,551290E+21
1634	1,150347E+22	1,517241E+22	1,743733E+22	1,743690E+22	1,517169E+22	1,150290E+22	7,550900E+21	4,374892E+21	2,688384E+21	2,688350E+21	4,374818E+21	7,550822E+21
1635	1,150279E+22	1,517170E+22	1,743715E+22	1,743741E+22	1,517226E+22	1,150333E+22	7,551237E+21	4,375142E+21	2,688591E+21	2,688527E+21	4,374926E+21	7,550920E+21
1636	1,150316E+22	1,517234E+22	1,743761E+22	1,743749E+22	1,517190E+22	1,150270E+22	7,550766E+21	4,374970E+21	2,688662E+21	2,688779E+21	4,375294E+21	7,551187E+21
1637	1,150306E+22	1,517182E+22	1,743665E+22	1,743648E+22	1,517166E+22	1,150305E+22	7,551262E+21	4,375437E+21	2,688978E+21	2,688891E+21	4,375173E+21	7,550805E+21
1638	1,150242E+22	1,517124E+22	1,743666E+22	1,743690E+22	1,517197E+22	1,150320E+22	7,551296E+21	4,375503E+21	2,689183E+21	2,689230E+21	4,375628E+21	7,551410E+21
1639	1,150311E+22	1,517160E+22	1,743644E+22	1,743626E+22	1,517109E+22	1,150253E+22	7,551062E+21	4,375558E+21	2,689356E+21	2,689441E+21	4,375800E+21	7,551386E+21
1640	1,150277E+22	1,517084E+22	1,743532E+22	1,743547E+22	1,517113E+22	1,150306E+22	7,551703E+21	4,376084E+21	2,689683E+21	2,689568E+21	4,375715E+21	7,551117E+21
1641	1,150250E+22	1,517099E+22	1,743597E+22	1,743602E+22	1,517116E+22	1,150270E+22	7,551307E+21	4,375901E+21	2,689742E+21	2,689826E+21	4,376151E+21	7,551680E+21
1642	1,150304E+22	1,517123E+22	1,743569E+22	1,743521E+22	1,517032E+22	1,150232E+22	7,551314E+21	4,376047E+21	2,689861E+21	2,689860E+21	4,376060E+21	7,551343E+21
1643	1,150232E+22	1,517024E+22	1,743504E+22	1,743543E+22	1,517102E+22	1,150294E+22	7,551724E+21	4,376303E+21	2,690016E+21	2,689928E+21	4,376041E+21	7,551351E+21
1644	1,150263E+22	1,517093E+22	1,743573E+22	1,743578E+22	1,517097E+22	1,150254E+22	7,551212E+21	4,375916E+21	2,689848E+21	2,689974E+21	4,376300E+21	7,551745E+21

1 Years	Longitude $\ominus$											
	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°
1645	1,150293E+22	1,517091E+22	1,743522E+22	1,743494E+22	1,517058E+22	1,150272E+22	7,551547E+21	4,376106E+21	2,689806E+21	2,689717E+21	4,375852E+21	7,551192E+21
1646	1,150238E+22	1,517058E+22	1,743555E+22	1,743582E+22	1,517123E+22	1,150300E+22	7,551562E+21	4,375984E+21	2,689672E+21	2,689625E+21	4,375841E+21	7,551411E+21
1647	1,150303E+22	1,517149E+22	1,743623E+22	1,743604E+22	1,517091E+22	1,150238E+22	7,551031E+21	4,375624E+21	2,689431E+21	2,689488E+21	4,375794E+21	7,551312E+21
1648	1,150273E+22	1,517104E+22	1,743568E+22	1,743569E+22	1,517120E+22	1,150297E+22	7,551491E+21	4,375817E+21	2,689370E+21	2,689232E+21	4,375407E+21	7,550875E+21
1649	1,150234E+22	1,517106E+22	1,743652E+22	1,743679E+22	1,517179E+22	1,150299E+22	7,551148E+21	4,375427E+21	2,689131E+21	2,689184E+21	4,375599E+21	7,551396E+21
1650	1,150311E+22	1,517166E+22	1,743661E+22	1,743638E+22	1,517117E+22	1,150258E+22	7,550968E+21	4,375286E+21	2,688966E+21	2,689013E+21	4,375429E+21	7,551158E+21
1651	1,150270E+22	1,517101E+22	1,743591E+22	1,743630E+22	1,517170E+22	1,150318E+22	7,551423E+21	4,375553E+21	2,689047E+21	2,688936E+21	4,375221E+21	7,550979E+21
1652	1,150288E+22	1,517177E+22	1,743686E+22	1,743683E+22	1,517178E+22	1,150285E+22	7,550937E+21	4,375199E+21	2,688924E+21	2,689028E+21	4,375509E+21	7,551390E+21
1653	1,150324E+22	1,517191E+22	1,743663E+22	1,743606E+22	1,517105E+22	1,150270E+22	7,551140E+21	4,375428E+21	2,689034E+21	2,688983E+21	4,375280E+21	7,550938E+21
1654	1,150254E+22	1,517111E+22	1,743636E+22	1,743661E+22	1,517162E+22	1,150302E+22	7,551369E+21	4,375640E+21	2,689246E+21	2,689190E+21	4,375460E+21	7,551133E+21
1655	1,150291E+22	1,517163E+22	1,743667E+22	1,743664E+22	1,517138E+22	1,150250E+22	7,550912E+21	4,375469E+21	2,689328E+21	2,689457E+21	4,375845E+21	7,551415E+21
1656	1,150279E+22	1,517101E+22	1,743554E+22	1,743543E+22	1,517100E+22	1,150290E+22	7,551522E+21	4,375976E+21	2,689646E+21	2,689579E+21	4,375763E+21	7,551120E+21
1657	1,150228E+22	1,517050E+22	1,743557E+22	1,743588E+22	1,517126E+22	1,150298E+22	7,551521E+21	4,376027E+21	2,689821E+21	2,689855E+21	4,376113E+21	7,551606E+21
1658	1,150296E+22	1,517107E+22	1,743556E+22	1,743522E+22	1,517032E+22	1,150227E+22	7,551283E+21	4,376083E+21	2,689990E+21	2,690070E+21	4,376300E+21	7,551552E+21
1659	1,150248E+22	1,517016E+22	1,743442E+22	1,743453E+22	1,517037E+22	1,150271E+22	7,551859E+21	4,376625E+21	2,690364E+21	2,690234E+21	4,376224E+21	7,551286E+21
1660	1,150225E+22	1,517032E+22	1,743503E+22	1,743512E+22	1,517061E+22	1,150254E+22	7,551488E+21	4,376403E+21	2,690401E+21	2,690488E+21	4,376664E+21	7,551835E+21
1661	1,150272E+22	1,517048E+22	1,743474E+22	1,743434E+22	1,516981E+22	1,150223E+22	7,551557E+21	4,376548E+21	2,690488E+21	2,690490E+21	4,376562E+21	7,551570E+21
1662	1,150218E+22	1,516963E+22	1,743407E+22	1,743449E+22	1,517039E+22	1,150273E+22	7,551891E+21	4,376739E+21	2,690572E+21	2,690492E+21	4,376508E+21	7,551599E+21
1663	1,150256E+22	1,517045E+22	1,743490E+22	1,743491E+22	1,517038E+22	1,150233E+22	7,551364E+21	4,376346E+21	2,690378E+21	2,690490E+21	4,376688E+21	7,551872E+21
1664	1,150275E+22	1,517041E+22	1,743447E+22	1,743411E+22	1,516995E+22	1,150253E+22	7,551729E+21	4,376533E+21	2,690329E+21	2,690238E+21	4,376263E+21	7,551333E+21
1665	1,150216E+22	1,517002E+22	1,743487E+22	1,743518E+22	1,517069E+22	1,150278E+22	7,551699E+21	4,376377E+21	2,690166E+21	2,690113E+21	4,376207E+21	7,551490E+21
1666	1,150277E+22	1,517095E+22	1,743558E+22	1,743543E+22	1,517047E+22	1,150221E+22	7,551167E+21	4,376004E+21	2,689918E+21	2,689997E+21	4,376236E+21	7,551486E+21
1667	1,150246E+22	1,517032E+22	1,743477E+22	1,743491E+22	1,517068E+22	1,150278E+22	7,551620E+21	4,376224E+21	2,689906E+21	2,689779E+21	4,375874E+21	7,551138E+21
1668	1,150226E+22	1,517050E+22	1,743554E+22	1,743581E+22	1,517126E+22	1,150294E+22	7,551369E+21	4,375853E+21	2,689664E+21	2,689722E+21	4,376032E+21	7,551598E+21
1669	1,150301E+22	1,517120E+22	1,743579E+22	1,743544E+22	1,517052E+22	1,150242E+22	7,551207E+21	4,375765E+21	2,689529E+21	2,689555E+21	4,375832E+21	7,551326E+21
1670	1,150264E+22	1,517065E+22	1,743519E+22	1,743541E+22	1,517094E+22	1,150282E+22	7,551532E+21	4,375995E+21	2,689620E+21	2,689501E+21	4,375646E+21	7,551117E+21
1671	1,150270E+22	1,517133E+22	1,743623E+22	1,743614E+22	1,517119E+22	1,150255E+22	7,551046E+21	4,375661E+21	2,689529E+21	2,689627E+21	4,375954E+21	7,551472E+21
1672	1,150288E+22	1,517120E+22	1,743581E+22	1,743535E+22	1,517053E+22	1,150251E+22	7,551307E+21	4,375910E+21	2,689670E+21	2,689642E+21	4,375826E+21	7,551146E+21
1673	1,150221E+22	1,517025E+22	1,743533E+22	1,743580E+22	1,517115E+22	1,150292E+22	7,551587E+21	4,376122E+21	2,689863E+21	2,689816E+21	4,375967E+21	7,551338E+21
1674	1,150268E+22	1,517091E+22	1,743564E+22	1,743568E+22	1,517079E+22	1,150240E+22	7,551186E+21	4,375977E+21	2,689940E+21	2,690082E+21	4,376376E+21	7,551653E+21
1675	1,150257E+22	1,517023E+22	1,743438E+22	1,743431E+22	1,517021E+22	1,150263E+22	7,551763E+21	4,376549E+21	2,690330E+21	2,690241E+21	4,376282E+21	7,551352E+21
1676	1,150214E+22	1,516991E+22	1,743451E+22	1,743470E+22	1,517051E+22	1,150281E+22	7,551784E+21	4,376594E+21	2,690513E+21	2,690530E+21	4,376618E+21	7,551746E+21
1677	1,150268E+22	1,517045E+22	1,743468E+22	1,743425E+22	1,516956E+22	1,150201E+22	7,551521E+21	4,376657E+21	2,690691E+21	2,690758E+21	4,376828E+21	7,551743E+21
1678	1,150227E+22	1,516953E+22	1,743350E+22	1,743363E+22	1,516966E+22	1,150235E+22	7,551942E+21	4,377098E+21	2,691019E+21	2,690910E+21	4,376790E+21	7,551561E+21
1679	1,150209E+22	1,516970E+22	1,743412E+22	1,743426E+22	1,517005E+22	1,150231E+22	7,551611E+21	4,376849E+21	2,691008E+21	2,691115E+21	4,377185E+21	7,552080E+21
1680	1,150255E+22	1,516983E+22	1,743378E+22	1,743342E+22	1,516920E+22	1,150208E+22	7,551764E+21	4,376997E+21	2,691054E+21	2,691075E+21	4,377057E+21	7,551829E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ☉												
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
1681	1,150207E+22	1,516909E+22	1,743325E+22	1,743368E+22	1,516979E+22	1,150254E+22	7,552078E+21	4,377165E+21	2,691085E+21	2,690986E+21	4,376867E+21	7,551702E+21
1682	1,150239E+22	1,517006E+22	1,743427E+22	1,743417E+22	1,516980E+22	1,150214E+22	7,551553E+21	4,376764E+21	2,690879E+21	2,690982E+21	4,377058E+21	7,551924E+21
1683	1,150240E+22	1,516976E+22	1,743371E+22	1,743342E+22	1,516938E+22	1,150228E+22	7,551883E+21	4,376982E+21	2,690883E+21	2,690777E+21	4,376673E+21	7,551444E+21
1684	1,150189E+22	1,516938E+22	1,743396E+22	1,743439E+22	1,517028E+22	1,150271E+22	7,551887E+21	4,376803E+21	2,690714E+21	2,690663E+21	4,376641E+21	7,551618E+21
1685	1,150245E+22	1,517025E+22	1,743465E+22	1,743460E+22	1,516999E+22	1,150214E+22	7,551409E+21	4,376451E+21	2,690462E+21	2,690542E+21	4,376679E+21	7,551718E+21
1686	1,150238E+22	1,516979E+22	1,743385E+22	1,743399E+22	1,517002E+22	1,150251E+22	7,551739E+21	4,376617E+21	2,690420E+21	2,690305E+21	4,376318E+21	7,551395E+21
1687	1,150226E+22	1,517014E+22	1,743479E+22	1,743495E+22	1,517059E+22	1,150264E+22	7,551486E+21	4,376271E+21	2,690193E+21	2,690241E+21	4,376429E+21	7,551739E+21
1688	1,150285E+22	1,517077E+22	1,743510E+22	1,743466E+22	1,516988E+22	1,150218E+22	7,551366E+21	4,376200E+21	2,690084E+21	2,690117E+21	4,376280E+21	7,551486E+21
1689	1,150241E+22	1,517011E+22	1,743456E+22	1,743482E+22	1,517040E+22	1,150257E+22	7,551661E+21	4,376418E+21	2,690172E+21	2,690055E+21	4,376073E+21	7,551220E+21
1690	1,150239E+22	1,517070E+22	1,743547E+22	1,743549E+22	1,517074E+22	1,150241E+22	7,551223E+21	4,376103E+21	2,690109E+21	2,690234E+21	4,376466E+21	7,551649E+21
1691	1,150252E+22	1,517033E+22	1,743470E+22	1,743444E+22	1,516999E+22	1,150238E+22	7,551541E+21	4,376422E+21	2,690318E+21	2,690301E+21	4,376380E+21	7,551427E+21
1692	1,150207E+22	1,516955E+22	1,743409E+22	1,743459E+22	1,517052E+22	1,150287E+22	7,551898E+21	4,376675E+21	2,690528E+21	2,690476E+21	4,376489E+21	7,551546E+21
1693	1,150247E+22	1,517027E+22	1,743458E+22	1,743453E+22	1,516999E+22	1,150219E+22	7,551495E+21	4,376582E+21	2,690640E+21	2,690749E+21	4,376873E+21	7,551858E+21
1694	1,150245E+22	1,516970E+22	1,743344E+22	1,743322E+22	1,516929E+22	1,150220E+22	7,551888E+21	4,377077E+21	2,691019E+21	2,690926E+21	4,376815E+21	7,551555E+21
1695	1,150195E+22	1,516936E+22	1,743368E+22	1,743381E+22	1,516975E+22	1,150241E+22	7,551896E+21	4,377110E+21	2,691191E+21	2,691213E+21	4,377156E+21	7,551914E+21
1696	1,150236E+22	1,516972E+22	1,743375E+22	1,743341E+22	1,516897E+22	1,150178E+22	7,551677E+21	4,377141E+21	2,691342E+21	2,691441E+21	4,377413E+21	7,552016E+21
1697	1,150202E+22	1,516880E+22	1,743257E+22	1,743281E+22	1,516913E+22	1,150219E+22	7,552121E+21	4,377533E+21	2,691591E+21	2,691499E+21	4,377276E+21	7,551785E+21
1698	1,150193E+22	1,516914E+22	1,743327E+22	1,743342E+22	1,516951E+22	1,150221E+22	7,551856E+21	4,377299E+21	2,691551E+21	2,691665E+21	4,377633E+21	7,552251E+21
1699	1,150234E+22	1,516921E+22	1,743285E+22	1,743254E+22	1,516860E+22	1,150189E+22	7,551995E+21	4,377493E+21	2,691637E+21	2,691628E+21	4,377469E+21	7,551970E+21
1700	1,150191E+22	1,516860E+22	1,743237E+22	1,743275E+22	1,516925E+22	1,150245E+22	7,552335E+21	4,377655E+21	2,691665E+21	2,691537E+21	4,377258E+21	7,551745E+21
1701	1,150203E+22	1,516944E+22	1,743353E+22	1,743345E+22	1,516926E+22	1,150197E+22	7,551790E+21	4,377263E+21	2,691464E+21	2,691541E+21	4,377477E+21	7,552062E+21
1702	1,150216E+22	1,516911E+22	1,743283E+22	1,743263E+22	1,516880E+22	1,150197E+22	7,551957E+21	4,377381E+21	2,691434E+21	2,691349E+21	4,377167E+21	7,551704E+21
1703	1,150176E+22	1,516881E+22	1,743308E+22	1,743353E+22	1,516971E+22	1,150249E+22	7,552014E+21	4,377191E+21	2,691228E+21	2,691203E+21	4,377112E+21	7,551873E+21
1704	1,150235E+22	1,516973E+22	1,743377E+22	1,743369E+22	1,516935E+22	1,150193E+22	7,551569E+21	4,376840E+21	2,690961E+21	2,691064E+21	4,377137E+21	7,551980E+21
1705	1,150232E+22	1,516941E+22	1,743318E+22	1,743320E+22	1,516938E+22	1,150224E+22	7,551847E+21	4,376980E+21	2,690892E+21	2,690772E+21	4,376668E+21	7,551512E+21
1706	1,150213E+22	1,516983E+22	1,743428E+22	1,743432E+22	1,517005E+22	1,150241E+22	7,551617E+21	4,376651E+21	2,690688E+21	2,690741E+21	4,376806E+21	7,551792E+21
1707	1,150251E+22	1,517012E+22	1,743435E+22	1,743404E+22	1,516939E+22	1,150195E+22	7,551517E+21	4,376652E+21	2,690662E+21	2,690687E+21	4,376719E+21	7,551612E+21
1708	1,150211E+22	1,516941E+22	1,743357E+22	1,743398E+22	1,517003E+22	1,150257E+22	7,551916E+21	4,376908E+21	2,690782E+21	2,690665E+21	4,376551E+21	7,551357E+21
1709	1,150202E+22	1,516989E+22	1,743443E+22	1,743456E+22	1,517022E+22	1,150237E+22	7,551560E+21	4,376656E+21	2,690750E+21	2,690858E+21	4,376958E+21	7,551885E+21
1710	1,150238E+22	1,516965E+22	1,743356E+22	1,743332E+22	1,516922E+22	1,150210E+22	7,551747E+21	4,376947E+21	2,690969E+21	2,690954E+21	4,376917E+21	7,551702E+21
1711	1,150199E+22	1,516905E+22	1,743311E+22	1,743346E+22	1,516968E+22	1,150254E+22	7,552096E+21	4,377216E+21	2,691192E+21	2,691134E+21	4,377004E+21	7,551740E+21
1712	1,150226E+22	1,516969E+22	1,743366E+22	1,743349E+22	1,516917E+22	1,150187E+22	7,551680E+21	4,377113E+21	2,691318E+21	2,691440E+21	4,377440E+21	7,552086E+21
1713	1,150219E+22	1,516909E+22	1,743267E+22	1,743243E+22	1,516860E+22	1,150184E+22	7,551991E+21	4,377548E+21	2,691656E+21	2,691576E+21	4,377339E+21	7,551756E+21
1714	1,150170E+22	1,516875E+22	1,743288E+22	1,743307E+22	1,516923E+22	1,150218E+22	7,552036E+21	4,377562E+21	2,691812E+21	2,691867E+21	4,377711E+21	7,552145E+21
1715	1,150207E+22	1,516891E+22	1,743268E+22	1,743252E+22	1,516845E+22	1,150164E+22	7,551909E+21	4,377648E+21	2,691980E+21	2,692085E+21	4,377948E+21	7,552293E+21
1716	1,150192E+22	1,516821E+22	1,743149E+22	1,743175E+22	1,516858E+22	1,150216E+22	7,552432E+21	4,378066E+21	2,692214E+21	2,692102E+21	4,377731E+21	7,551929E+21

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1717	1,150169E+22	1,516856E+22	1,743239E+22	1,743248E+22	1,516886E+22	1,150207E+22	7,552180E+21	4,377868E+21	2,692184E+21	2,692246E+21	4,378034E+21	7,552367E+21
1718	1,150214E+22	1,516866E+22	1,743201E+22	1,743165E+22	1,516791E+22	1,150157E+22	7,552138E+21	4,377973E+21	2,692246E+21	2,692228E+21	4,377923E+21	7,552103E+21
1719	1,150165E+22	1,516803E+22	1,743158E+22	1,743194E+22	1,516863E+22	1,150214E+22	7,552455E+21	4,378106E+21	2,692244E+21	2,692125E+21	4,377729E+21	7,551890E+21
1720	1,150169E+22	1,516868E+22	1,743258E+22	1,743262E+22	1,516875E+22	1,150179E+22	7,551932E+21	4,377669E+21	2,692008E+21	2,692118E+21	4,377989E+21	7,552332E+21
1721	1,150196E+22	1,516848E+22	1,743199E+22	1,743184E+22	1,516826E+22	1,150177E+22	7,552063E+21	4,377716E+21	2,691890E+21	2,691830E+21	4,377584E+21	7,551946E+21
1722	1,150170E+22	1,516840E+22	1,743236E+22	1,743274E+22	1,516914E+22	1,150227E+22	7,552150E+21	4,377540E+21	2,691675E+21	2,691666E+21	4,377496E+21	7,552040E+21
1723	1,150222E+22	1,516926E+22	1,743301E+22	1,743289E+22	1,516878E+22	1,150173E+22	7,551739E+21	4,377255E+21	2,691463E+21	2,691548E+21	4,377503E+21	7,552122E+21
1724	1,150221E+22	1,516905E+22	1,743248E+22	1,743241E+22	1,516890E+22	1,150213E+22	7,552056E+21	4,377418E+21	2,691423E+21	2,691286E+21	4,377033E+21	7,551551E+21
1725	1,150178E+22	1,516925E+22	1,743361E+22	1,743370E+22	1,516960E+22	1,150227E+22	7,551858E+21	4,377150E+21	2,691274E+21	2,691296E+21	4,377213E+21	7,551921E+21
1726	1,150225E+22	1,516942E+22	1,743342E+22	1,743325E+22	1,516890E+22	1,150172E+22	7,551646E+21	4,377101E+21	2,691264E+21	2,691308E+21	4,377237E+21	7,551859E+21
1727	1,150193E+22	1,516876E+22	1,743255E+22	1,743297E+22	1,516939E+22	1,150237E+22	7,552137E+21	4,377400E+21	2,691393E+21	2,691294E+21	4,377080E+21	7,551612E+21
1728	1,150182E+22	1,516919E+22	1,743335E+22	1,743345E+22	1,516948E+22	1,150216E+22	7,551805E+21	4,377179E+21	2,691385E+21	2,691501E+21	4,377498E+21	7,552151E+21
1729	1,150222E+22	1,516911E+22	1,743273E+22	1,743232E+22	1,516841E+22	1,150174E+22	7,551892E+21	4,377430E+21	2,691585E+21	2,691567E+21	4,377393E+21	7,551880E+21
1730	1,150181E+22	1,516858E+22	1,743241E+22	1,743261E+22	1,516894E+22	1,150219E+22	7,552231E+21	4,377695E+21	2,691826E+21	2,691783E+21	4,377514E+21	7,551878E+21
1731	1,150190E+22	1,516894E+22	1,743274E+22	1,743266E+22	1,516858E+22	1,150160E+22	7,551845E+21	4,377636E+21	2,691996E+21	2,692123E+21	4,377991E+21	7,552310E+21
1732	1,150194E+22	1,516837E+22	1,743160E+22	1,743148E+22	1,516817E+22	1,150179E+22	7,552241E+21	4,378071E+21	2,692322E+21	2,692247E+21	4,377873E+21	7,551955E+21
1733	1,150141E+22	1,516798E+22	1,743186E+22	1,743215E+22	1,516870E+22	1,150212E+22	7,552372E+21	4,378137E+21	2,692474E+21	2,692500E+21	4,378201E+21	7,552394E+21
1734	1,150196E+22	1,516826E+22	1,743159E+22	1,743146E+22	1,516776E+22	1,150140E+22	7,552128E+21	4,378184E+21	2,692632E+21	2,692724E+21	4,378449E+21	7,552518E+21
1735	1,150179E+22	1,516772E+22	1,743061E+22	1,743072E+22	1,516785E+22	1,150191E+22	7,552669E+21	4,378600E+21	2,692845E+21	2,692720E+21	4,378204E+21	7,552071E+21
1736	1,150140E+22	1,516792E+22	1,743155E+22	1,743158E+22	1,516817E+22	1,150181E+22	7,552375E+21	4,378364E+21	2,692798E+21	2,692863E+21	4,378530E+21	7,552529E+21
1737	1,150182E+22	1,516801E+22	1,743126E+22	1,743089E+22	1,516730E+22	1,150125E+22	7,552218E+21	4,378374E+21	2,692789E+21	2,692789E+21	4,378386E+21	7,552298E+21
1738	1,150144E+22	1,516744E+22	1,743079E+22	1,743118E+22	1,516813E+22	1,150193E+22	7,552541E+21	4,378450E+21	2,692741E+21	2,692664E+21	4,378199E+21	7,552121E+21
1739	1,150151E+22	1,516800E+22	1,743159E+22	1,743171E+22	1,516822E+22	1,150163E+22	7,552097E+21	4,378062E+21	2,692506E+21	2,692625E+21	4,378424E+21	7,552603E+21
1740	1,150197E+22	1,516808E+22	1,743113E+22	1,743090E+22	1,516774E+22	1,150167E+22	7,552273E+21	4,378129E+21	2,692380E+21	2,692299E+21	4,377930E+21	7,552065E+21
1741	1,150156E+22	1,516803E+22	1,743178E+22	1,743203E+22	1,516858E+22	1,150208E+22	7,552369E+21	4,378002E+21	2,692197E+21	2,692134E+21	4,377806E+21	7,552125E+21
1742	1,150205E+22	1,516880E+22	1,743236E+22	1,743220E+22	1,516823E+22	1,150142E+22	7,551840E+21	4,377676E+21	2,692008E+21	2,692084E+21	4,377897E+21	7,552209E+21
1743	1,150194E+22	1,516851E+22	1,743181E+22	1,743173E+22	1,516841E+22	1,150191E+22	7,552213E+21	4,377861E+21	2,691984E+21	2,691858E+21	4,377488E+21	7,551677E+21
1744	1,150140E+22	1,516843E+22	1,743265E+22	1,743287E+22	1,516914E+22	1,150217E+22	7,552071E+21	4,377609E+21	2,691856E+21	2,691901E+21	4,377725E+21	7,552142E+21
1745	1,150197E+22	1,516871E+22	1,743250E+22	1,743233E+22	1,516832E+22	1,150154E+22	7,551827E+21	4,377537E+21	2,691817E+21	2,691876E+21	4,377712E+21	7,552103E+21
1746	1,150182E+22	1,516823E+22	1,743167E+22	1,743199E+22	1,516872E+22	1,150213E+22	7,552313E+21	4,377856E+21	2,691974E+21	2,691886E+21	4,377558E+21	7,551811E+21
1747	1,150163E+22	1,516855E+22	1,743237E+22	1,743242E+22	1,516877E+22	1,150190E+22	7,552015E+21	4,377705E+21	2,692027E+21	2,692131E+21	4,377994E+21	7,552368E+21
1748	1,150207E+22	1,516858E+22	1,743184E+22	1,743136E+22	1,516779E+22	1,150153E+22	7,552107E+21	4,377965E+21	2,692250E+21	2,692222E+21	4,377896E+21	7,552026E+21
1749	1,150148E+22	1,516789E+22	1,743159E+22	1,743183E+22	1,516837E+22	1,150196E+22	7,552453E+21	4,378263E+21	2,692521E+21	2,692456E+21	4,378046E+21	7,552125E+21
1750	1,150170E+22	1,516817E+22	1,743168E+22	1,743171E+22	1,516800E+22	1,150137E+22	7,552008E+21	4,378148E+21	2,692684E+21	2,692833E+21	4,378588E+21	7,552621E+21
1751	1,150182E+22	1,516775E+22	1,743058E+22	1,743039E+22	1,516746E+22	1,150160E+22	7,552498E+21	4,378610E+21	2,692984E+21	2,692925E+21	4,378433E+21	7,552217E+21
1752	1,150123E+22	1,516730E+22	1,743079E+22	1,743104E+22	1,516797E+22	1,150192E+22	7,552643E+21	4,378697E+21	2,693139E+21	2,693155E+21	4,378715E+21	7,552592E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ☉	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1753	1,150175E+22	1,516773E+22	1,743082E+22	1,743052E+22	1,516704E+22	1,150109E+22	7,552279E+21	4,378663E+21	2,693238E+21	2,693317E+21	4,378888E+21	7,552641E+21
1754	1,150154E+22	1,516718E+22	1,742991E+22	1,742991E+22	1,516719E+22	1,150160E+22	7,552785E+21	4,379038E+21	2,693429E+21	2,693316E+21	4,378662E+21	7,552174E+21
1755	1,150102E+22	1,516710E+22	1,743059E+22	1,743075E+22	1,516765E+22	1,150161E+22	7,552537E+21	4,378821E+21	2,693380E+21	2,693449E+21	4,379011E+21	7,552737E+21
1756	1,150159E+22	1,516732E+22	1,743024E+22	1,742999E+22	1,516688E+22	1,150119E+22	7,552423E+21	4,378802E+21	2,693328E+21	2,693330E+21	4,378826E+21	7,552485E+21
1757	1,150123E+22	1,516683E+22	1,742994E+22	1,743036E+22	1,516760E+22	1,150180E+22	7,552782E+21	4,378910E+21	2,693265E+21	2,693155E+21	4,378584E+21	7,552350E+21
1758	1,150149E+22	1,516753E+22	1,743074E+22	1,743080E+22	1,516760E+22	1,150138E+22	7,552232E+21	4,378479E+21	2,693028E+21	2,693134E+21	4,378815E+21	7,552776E+21
1759	1,150191E+22	1,516777E+22	1,743053E+22	1,743009E+22	1,516709E+22	1,150142E+22	7,552440E+21	4,378553E+21	2,692895E+21	2,692808E+21	4,378309E+21	7,552156E+21
1760	1,150130E+22	1,516750E+22	1,743114E+22	1,743136E+22	1,516805E+22	1,150187E+22	7,552529E+21	4,378436E+21	2,692738E+21	2,692673E+21	4,378223E+21	7,552226E+21
1761	1,150172E+22	1,516820E+22	1,743174E+22	1,743161E+22	1,516779E+22	1,150119E+22	7,551916E+21	4,378049E+21	2,692520E+21	2,692612E+21	4,378326E+21	7,552373E+21
1762	1,150170E+22	1,516788E+22	1,743103E+22	1,743100E+22	1,516797E+22	1,150177E+22	7,552341E+21	4,378234E+21	2,692507E+21	2,692420E+21	4,377968E+21	7,551897E+21
1763	1,150118E+22	1,516766E+22	1,743156E+22	1,743187E+22	1,516858E+22	1,150206E+22	7,552311E+21	4,378077E+21	2,692422E+21	2,692471E+21	4,378206E+21	7,552409E+21
1764	1,150191E+22	1,516817E+22	1,743147E+22	1,743125E+22	1,516770E+22	1,150141E+22	7,552080E+21	4,378044E+21	2,692417E+21	2,692454E+21	4,378150E+21	7,552262E+21
1765	1,150164E+22	1,516773E+22	1,743092E+22	1,743110E+22	1,516801E+22	1,150186E+22	7,552537E+21	4,378405E+21	2,692618E+21	2,692487E+21	4,378000E+21	7,551989E+21
1766	1,150147E+22	1,516796E+22	1,743149E+22	1,743149E+22	1,516803E+22	1,150153E+22	7,552131E+21	4,378218E+21	2,692705E+21	2,692810E+21	4,378527E+21	7,552563E+21
1767	1,150184E+22	1,516795E+22	1,743097E+22	1,743048E+22	1,516714E+22	1,150127E+22	7,552285E+21	4,378482E+21	2,692921E+21	2,692917E+21	4,378467E+21	7,552254E+21
1768	1,150118E+22	1,516707E+22	1,743054E+22	1,743088E+22	1,516779E+22	1,150180E+22	7,552674E+21	4,378782E+21	2,693190E+21	2,693145E+21	4,378620E+21	7,552381E+21
1769	1,150146E+22	1,516749E+22	1,743071E+22	1,743070E+22	1,516734E+22	1,150116E+22	7,552206E+21	4,378641E+21	2,693307E+21	2,693460E+21	4,379091E+21	7,552851E+21
1770	1,150168E+22	1,516721E+22	1,742971E+22	1,742942E+22	1,516678E+22	1,150138E+22	7,552701E+21	4,379104E+21	2,693607E+21	2,693550E+21	4,378909E+21	7,552369E+21
1771	1,150097E+22	1,516660E+22	1,742981E+22	1,743003E+22	1,516729E+22	1,150172E+22	7,552887E+21	4,379240E+21	2,693786E+21	2,693781E+21	4,379186E+21	7,552735E+21
1772	1,150149E+22	1,516709E+22	1,742990E+22	1,742963E+22	1,516647E+22	1,150091E+22	7,552507E+21	4,379192E+21	2,693876E+21	2,693934E+21	4,379351E+21	7,552750E+21
1773	1,150118E+22	1,516644E+22	1,742907E+22	1,742917E+22	1,516666E+22	1,150140E+22	7,552976E+21	4,379544E+21	2,694049E+21	2,693912E+21	4,379143E+21	7,552420E+21
1774	1,150084E+22	1,516634E+22	1,742950E+22	1,742977E+22	1,516705E+22	1,150139E+22	7,552673E+21	4,379258E+21	2,693966E+21	2,694053E+21	4,379525E+21	7,553026E+21
1775	1,150154E+22	1,516681E+22	1,742935E+22	1,742901E+22	1,516618E+22	1,150099E+22	7,552627E+21	4,379240E+21	2,693866E+21	2,693882E+21	4,379287E+21	7,552716E+21
1776	1,150114E+22	1,516635E+22	1,742915E+22	1,742947E+22	1,516694E+22	1,150156E+22	7,552949E+21	4,379346E+21	2,693802E+21	2,693683E+21	4,378990E+21	7,552488E+21
1777	1,150133E+22	1,516719E+22	1,743022E+22	1,743010E+22	1,516699E+22	1,150109E+22	7,552314E+21	4,378852E+21	2,693521E+21	2,693622E+21	4,379169E+21	7,552852E+21
1778	1,150169E+22	1,516734E+22	1,743004E+22	1,742957E+22	1,516663E+22	1,150119E+22	7,552508E+21	4,378902E+21	2,693389E+21	2,693323E+21	4,378699E+21	7,552225E+21
1779	1,150094E+22	1,516673E+22	1,743026E+22	1,743068E+22	1,516769E+22	1,150179E+22	7,552701E+21	4,378846E+21	2,693262E+21	2,693204E+21	4,378657E+21	7,552396E+21
1780	1,150148E+22	1,516749E+22	1,743074E+22	1,743079E+22	1,516744E+22	1,150121E+22	7,552164E+21	4,378484E+21	2,693048E+21	2,693138E+21	4,378748E+21	7,552545E+21
1781	1,150148E+22	1,516722E+22	1,743012E+22	1,743013E+22	1,516739E+22	1,150165E+22	7,552615E+21	4,378735E+21	2,693069E+21	2,692949E+21	4,378395E+21	7,552148E+21
1782	1,150113E+22	1,516709E+22	1,743053E+22	1,743080E+22	1,516784E+22	1,150180E+22	7,552497E+21	4,378569E+21	2,693030E+21	2,693070E+21	4,378678E+21	7,552622E+21
1783	1,150183E+22	1,516777E+22	1,743071E+22	1,743026E+22	1,516687E+22	1,150110E+22	7,552273E+21	4,378546E+21	2,693042E+21	2,693087E+21	4,378649E+21	7,552431E+21
1784	1,150139E+22	1,516712E+22	1,743011E+22	1,743025E+22	1,516730E+22	1,150154E+22	7,552677E+21	4,378912E+21	2,693280E+21	2,693158E+21	4,378538E+21	7,552169E+21
1785	1,150119E+22	1,516734E+22	1,743071E+22	1,743070E+22	1,516745E+22	1,150124E+22	7,552209E+21	4,378659E+21	2,693327E+21	2,693459E+21	4,379064E+21	7,552806E+21
1786	1,150164E+22	1,516730E+22	1,743008E+22	1,742963E+22	1,516658E+22	1,150108E+22	7,552424E+21	4,378921E+21	2,693538E+21	2,693571E+21	4,379007E+21	7,552493E+21
1787	1,150097E+22	1,516630E+22	1,742940E+22	1,742982E+22	1,516717E+22	1,150169E+22	7,552961E+21	4,379324E+21	2,693834E+21	2,693781E+21	4,379127E+21	7,552607E+21
1788	1,150132E+22	1,516689E+22	1,742970E+22	1,742967E+22	1,516672E+22	1,150104E+22	7,552505E+21	4,379215E+21	2,693970E+21	2,694085E+21	4,379534E+21	7,552944E+21



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1825	1,150056E+22	1,516508E+22	1,742737E+22	1,742766E+22	1,516561E+22	1,150110E+22	7,553357E+21	4,380427E+21	2,695222E+21	2,695156E+21	4,380195E+21	7,552965E+21
1826	1,150079E+22	1,516561E+22	1,742788E+22	1,742777E+22	1,516525E+22	1,150048E+22	7,552884E+21	4,380270E+21	2,695329E+21	2,695468E+21	4,380645E+21	7,553330E+21
1827	1,150073E+22	1,516498E+22	1,742682E+22	1,742669E+22	1,516480E+22	1,150067E+22	7,553329E+21	4,380706E+21	2,695602E+21	2,695529E+21	4,380506E+21	7,553027E+21
1828	1,150027E+22	1,516450E+22	1,742678E+22	1,742718E+22	1,516535E+22	1,150098E+22	7,553378E+21	4,380687E+21	2,695664E+21	2,695682E+21	4,380740E+21	7,553423E+21
1829	1,150095E+22	1,516527E+22	1,742718E+22	1,742696E+22	1,516464E+22	1,150032E+22	7,553049E+21	4,380559E+21	2,695625E+21	2,695715E+21	4,380835E+21	7,553486E+21
1830	1,150075E+22	1,516464E+22	1,742617E+22	1,742629E+22	1,516477E+22	1,150082E+22	7,553540E+21	4,380903E+21	2,695752E+21	2,695615E+21	4,380510E+21	7,553019E+21
1831	1,150048E+22	1,516504E+22	1,742729E+22	1,742728E+22	1,516518E+22	1,150078E+22	7,553244E+21	4,380576E+21	2,695576E+21	2,695621E+21	4,380699E+21	7,553383E+21
1832	1,150092E+22	1,516536E+22	1,742743E+22	1,742713E+22	1,516467E+22	1,150035E+22	7,553071E+21	4,380500E+21	2,695452E+21	2,695435E+21	4,380456E+21	7,553042E+21
1833	1,150040E+22	1,516464E+22	1,742676E+22	1,742723E+22	1,516543E+22	1,150101E+22	7,553372E+21	4,380545E+21	2,695359E+21	2,695259E+21	4,380247E+21	7,552922E+21
1834	1,150062E+22	1,516543E+22	1,742780E+22	1,742787E+22	1,516558E+22	1,150073E+22	7,552860E+21	4,380059E+21	2,695052E+21	2,695175E+21	4,380411E+21	7,553281E+21
1835	1,150092E+22	1,516539E+22	1,742740E+22	1,742719E+22	1,516508E+22	1,150075E+22	7,553098E+21	4,380183E+21	2,694958E+21	2,694883E+21	4,379985E+21	7,552845E+21
1836	1,150055E+22	1,516513E+22	1,742757E+22	1,742794E+22	1,516582E+22	1,150113E+22	7,553183E+21	4,380108E+21	2,694853E+21	2,694793E+21	4,379919E+21	7,552931E+21
1837	1,150108E+22	1,516612E+22	1,742849E+22	1,742832E+22	1,516551E+22	1,150049E+22	7,552658E+21	4,379789E+21	2,694687E+21	2,694779E+21	4,380060E+21	7,553071E+21
1838	1,150090E+22	1,516554E+22	1,742757E+22	1,742756E+22	1,516549E+22	1,150088E+22	7,553063E+21	4,380096E+21	2,694826E+21	2,694717E+21	4,379801E+21	7,552653E+21
1839	1,150048E+22	1,516547E+22	1,742821E+22	1,742839E+22	1,516602E+22	1,150110E+22	7,553001E+21	4,379952E+21	2,694815E+21	2,694868E+21	4,380096E+21	7,553110E+21
1840	1,150103E+22	1,516580E+22	1,742818E+22	1,742802E+22	1,516531E+22	1,150053E+22	7,552810E+21	4,379976E+21	2,694893E+21	2,694962E+21	4,380169E+21	7,553058E+21
1841	1,150072E+22	1,516506E+22	1,742697E+22	1,742727E+22	1,516546E+22	1,150102E+22	7,553323E+21	4,380412E+21	2,695189E+21	2,695098E+21	4,380125E+21	7,552871E+21
1842	1,150064E+22	1,516547E+22	1,742773E+22	1,742768E+22	1,516546E+22	1,150078E+22	7,553015E+21	4,380277E+21	2,695297E+21	2,695409E+21	4,380575E+21	7,553330E+21
1843	1,150088E+22	1,516528E+22	1,742716E+22	1,742674E+22	1,516452E+22	1,150043E+22	7,553204E+21	4,380642E+21	2,695595E+21	2,695573E+21	4,380571E+21	7,553086E+21
1844	1,150030E+22	1,516436E+22	1,742643E+22	1,742682E+22	1,516503E+22	1,150085E+22	7,553533E+21	4,380947E+21	2,695885E+21	2,695816E+21	4,380725E+21	7,553178E+21
1845	1,150052E+22	1,516487E+22	1,742691E+22	1,742693E+22	1,516472E+22	1,150030E+22	7,553083E+21	4,380765E+21	2,695956E+21	2,696100E+21	4,381195E+21	7,553657E+21
1846	1,150060E+22	1,516427E+22	1,742566E+22	1,742556E+22	1,516411E+22	1,150048E+22	7,553552E+21	4,381205E+21	2,696227E+21	2,696160E+21	4,381027E+21	7,553298E+21
1847	1,150020E+22	1,516405E+22	1,742594E+22	1,742615E+22	1,516458E+22	1,150077E+22	7,553651E+21	4,381208E+21	2,696278E+21	2,696275E+21	4,381183E+21	7,553567E+21
1848	1,150073E+22	1,516474E+22	1,742641E+22	1,742615E+22	1,516401E+22	1,150007E+22	7,553250E+21	4,381069E+21	2,696245E+21	2,696307E+21	4,381245E+21	7,553537E+21
1849	1,150048E+22	1,516419E+22	1,742551E+22	1,742553E+22	1,516417E+22	1,150053E+22	7,553647E+21	4,381322E+21	2,696309E+21	2,696179E+21	4,380944E+21	7,553125E+21
1850	1,150015E+22	1,516440E+22	1,742654E+22	1,742663E+22	1,516476E+22	1,150058E+22	7,553333E+21	4,380957E+21	2,696102E+21	2,696162E+21	4,381130E+21	7,553514E+21
1851	1,150058E+22	1,516457E+22	1,742642E+22	1,742629E+22	1,516424E+22	1,150026E+22	7,553259E+21	4,380892E+21	2,695949E+21	2,695950E+21	4,380903E+21	7,553277E+21
1852	1,150024E+22	1,516400E+22	1,742583E+22	1,742638E+22	1,516492E+22	1,150087E+22	7,553578E+21	4,380955E+21	2,695842E+21	2,695730E+21	4,380623E+21	7,553101E+21
1853	1,150049E+22	1,516493E+22	1,742702E+22	1,742709E+22	1,516505E+22	1,150056E+22	7,553051E+21	4,380480E+21	2,695539E+21	2,695644E+21	4,380799E+21	7,553493E+21
1854	1,150082E+22	1,516493E+22	1,742658E+22	1,742625E+22	1,516442E+22	1,150051E+22	7,553254E+21	4,380612E+21	2,695497E+21	2,695420E+21	4,380408E+21	7,553007E+21
1855	1,150039E+22	1,516473E+22	1,742696E+22	1,742716E+22	1,516514E+22	1,150087E+22	7,553379E+21	4,380570E+21	2,695426E+21	2,695365E+21	4,380367E+21	7,553069E+21
1856	1,150078E+22	1,516547E+22	1,742771E+22	1,742765E+22	1,516506E+22	1,150028E+22	7,552809E+21	4,380253E+21	2,695293E+21	2,695391E+21	4,380543E+21	7,553248E+21
1857	1,150071E+22	1,516499E+22	1,742669E+22	1,742665E+22	1,516493E+22	1,150067E+22	7,553189E+21	4,380508E+21	2,695397E+21	2,695325E+21	4,380322E+21	7,552926E+21
1858	1,150035E+22	1,516488E+22	1,742727E+22	1,742745E+22	1,516541E+22	1,150091E+22	7,553184E+21	4,380415E+21	2,695405E+21	2,695463E+21	4,380574E+21	7,553320E+21
1859	1,150086E+22	1,516520E+22	1,742719E+22	1,742698E+22	1,516463E+22	1,150032E+22	7,553054E+21	4,380504E+21	2,695522E+21	2,695579E+21	4,380653E+21	7,553254E+21
1860	1,150053E+22	1,516449E+22	1,742615E+22	1,742636E+22	1,516476E+22	1,150075E+22	7,553552E+21	4,380968E+21	2,695852E+21	2,695732E+21	4,380586E+21	7,552977E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1861	1,150030E+22	1,516477E+22	1,742692E+22	1,742693E+22	1,516491E+22	1,150055E+22	7,553226E+21	4,380824E+21	2,695966E+21	2,696068E+21	4,381111E+21	7,553533E+21
1862	1,150054E+22	1,516444E+22	1,742604E+22	1,742572E+22	1,516389E+22	1,150020E+22	7,553389E+21	4,381173E+21	2,696290E+21	2,696283E+21	4,381159E+21	7,553343E+21
1863	1,150004E+22	1,516361E+22	1,742535E+22	1,742570E+22	1,516430E+22	1,150068E+22	7,553810E+21	4,381494E+21	2,696562E+21	2,696500E+21	4,381286E+21	7,553438E+21
1864	1,150031E+22	1,516412E+22	1,742583E+22	1,742591E+22	1,516407E+22	1,150011E+22	7,553333E+21	4,381314E+21	2,696621E+21	2,696751E+21	4,381696E+21	7,553867E+21
1865	1,150051E+22	1,516384E+22	1,742478E+22	1,742450E+22	1,516335E+22	1,150018E+22	7,553698E+21	4,381674E+21	2,696834E+21	2,696769E+21	4,381505E+21	7,553496E+21
1866	1,150005E+22	1,516359E+22	1,742523E+22	1,742533E+22	1,516394E+22	1,150048E+22	7,553785E+21	4,381665E+21	2,696863E+21	2,696851E+21	4,381613E+21	7,553674E+21
1867	1,150044E+22	1,516412E+22	1,742563E+22	1,742541E+22	1,516351E+22	1,149986E+22	7,553418E+21	4,381522E+21	2,696811E+21	2,696876E+21	4,381702E+21	7,553691E+21
1868	1,150018E+22	1,516349E+22	1,742472E+22	1,742488E+22	1,516377E+22	1,150037E+22	7,553798E+21	4,381740E+21	2,696844E+21	2,696715E+21	4,381374E+21	7,553289E+21
1869	1,149987E+22	1,516367E+22	1,742565E+22	1,742590E+22	1,516438E+22	1,150052E+22	7,553529E+21	4,381354E+21	2,696592E+21	2,696665E+21	4,381577E+21	7,553773E+21
1870	1,150045E+22	1,516392E+22	1,742536E+22	1,742521E+22	1,516361E+22	1,150011E+22	7,553464E+21	4,381318E+21	2,696465E+21	2,696468E+21	4,381335E+21	7,553513E+21
1871	1,150021E+22	1,516363E+22	1,742508E+22	1,742537E+22	1,516415E+22	1,150064E+22	7,553798E+21	4,381413E+21	2,696378E+21	2,696245E+21	4,381011E+21	7,553243E+21
1872	1,150033E+22	1,516447E+22	1,742635E+22	1,742633E+22	1,516444E+22	1,150027E+22	7,553201E+21	4,380938E+21	2,696105E+21	2,696187E+21	4,381184E+21	7,553578E+21
1873	1,150064E+22	1,516454E+22	1,742598E+22	1,742553E+22	1,516383E+22	1,150018E+22	7,553303E+21	4,380988E+21	2,696028E+21	2,695975E+21	4,380858E+21	7,553172E+21
1874	1,150016E+22	1,516416E+22	1,742627E+22	1,742653E+22	1,516471E+22	1,150065E+22	7,553447E+21	4,380949E+21	2,695958E+21	2,695914E+21	4,380816E+21	7,553240E+21
1875	1,150051E+22	1,516475E+22	1,742676E+22	1,742680E+22	1,516462E+22	1,150020E+22	7,553022E+21	4,380686E+21	2,695837E+21	2,695950E+21	4,381012E+21	7,553479E+21
1876	1,150055E+22	1,516436E+22	1,742582E+22	1,742582E+22	1,516440E+22	1,150054E+22	7,553436E+21	4,380999E+21	2,695972E+21	2,695880E+21	4,380747E+21	7,553093E+21
1877	1,150016E+22	1,516428E+22	1,742641E+22	1,742659E+22	1,516486E+22	1,150076E+22	7,553437E+21	4,380941E+21	2,696014E+21	2,696050E+21	4,381034E+21	7,553488E+21
1878	1,150060E+22	1,516453E+22	1,742619E+22	1,742591E+22	1,516391E+22	1,150010E+22	7,553301E+21	4,381073E+21	2,696210E+21	2,696254E+21	4,381178E+21	7,553432E+21
1879	1,150026E+22	1,516384E+22	1,742528E+22	1,742538E+22	1,516399E+22	1,150048E+22	7,553793E+21	4,381546E+21	2,696565E+21	2,696439E+21	4,381146E+21	7,553173E+21
1880	1,149995E+22	1,516390E+22	1,742583E+22	1,742598E+22	1,516430E+22	1,150031E+22	7,553414E+21	4,381381E+21	2,696687E+21	2,696794E+21	4,381690E+21	7,553784E+21
1881	1,150037E+22	1,516377E+22	1,742493E+22	1,742457E+22	1,516315E+22	1,149993E+22	7,553532E+21	4,381642E+21	2,696937E+21	2,696970E+21	4,381756E+21	7,553683E+21
1882	1,149998E+22	1,516305E+22	1,742439E+22	1,742465E+22	1,516356E+22	1,150038E+22	7,553953E+21	4,381975E+21	2,697184E+21	2,697125E+21	4,381789E+21	7,553674E+21
1883	1,150019E+22	1,516359E+22	1,742492E+22	1,742489E+22	1,516338E+22	1,149987E+22	7,553537E+21	4,381820E+21	2,697240E+21	2,697359E+21	4,382162E+21	7,554041E+21
1884	1,150032E+22	1,516332E+22	1,742413E+22	1,742379E+22	1,516276E+22	1,149993E+22	7,553872E+21	4,382158E+21	2,697431E+21	2,697344E+21	4,381918E+21	7,553574E+21
1885	1,149972E+22	1,516293E+22	1,742451E+22	1,742474E+22	1,516354E+22	1,150033E+22	7,553964E+21	4,382121E+21	2,697426E+21	2,697411E+21	4,382061E+21	7,553808E+21
1886	1,150008E+22	1,516330E+22	1,742460E+22	1,742452E+22	1,516304E+22	1,149977E+22	7,553625E+21	4,381976E+21	2,697382E+21	2,697454E+21	4,382177E+21	7,553892E+21
1887	1,149995E+22	1,516280E+22	1,742377E+22	1,742389E+22	1,516314E+22	1,150028E+22	7,554066E+21	4,382203E+21	2,697393E+21	2,697261E+21	4,381819E+21	7,553493E+21
1888	1,149969E+22	1,516300E+22	1,742466E+22	1,742496E+22	1,516379E+22	1,150036E+22	7,553755E+21	4,381824E+21	2,697143E+21	2,697193E+21	4,381969E+21	7,553936E+21
1889	1,150041E+22	1,516359E+22	1,742459E+22	1,742424E+22	1,516287E+22	1,149980E+22	7,553560E+21	4,381703E+21	2,696974E+21	2,696987E+21	4,381752E+21	7,553702E+21
1890	1,150013E+22	1,516329E+22	1,742452E+22	1,742466E+22	1,516351E+22	1,150029E+22	7,553849E+21	4,381795E+21	2,696888E+21	2,696753E+21	4,381404E+21	7,553367E+21
1891	1,150012E+22	1,516397E+22	1,742571E+22	1,742570E+22	1,516396E+22	1,150004E+22	7,553305E+21	4,381334E+21	2,696626E+21	2,696720E+21	4,381622E+21	7,553753E+21
1892	1,150041E+22	1,516393E+22	1,742532E+22	1,742499E+22	1,516344E+22	1,150001E+22	7,553415E+21	4,381371E+21	2,696544E+21	2,696501E+21	4,381285E+21	7,553351E+21
1893	1,149994E+22	1,516350E+22	1,742543E+22	1,742583E+22	1,516435E+22	1,150062E+22	7,553663E+21	4,381365E+21	2,696471E+21	2,696441E+21	4,381266E+21	7,553456E+21
1894	1,150033E+22	1,516409E+22	1,742572E+22	1,742575E+22	1,516400E+22	1,150009E+22	7,553283E+21	4,381189E+21	2,696432E+21	2,696532E+21	4,381465E+21	7,553662E+21
1895	1,150038E+22	1,516383E+22	1,742496E+22	1,742475E+22	1,516361E+22	1,150034E+22	7,553721E+21	4,381566E+21	2,696636E+21	2,696514E+21	4,381210E+21	7,553214E+21
1896	1,149986E+22	1,516357E+22	1,742548E+22	1,742567E+22	1,516420E+22	1,150053E+22	7,553671E+21	4,381522E+21	2,696723E+21	2,696736E+21	4,381525E+21	7,553601E+21



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1897	1,150033E+22	1,516388E+22	1,742523E+22	1,742492E+22	1,516317E+22	1,149976E+22	7,553410E+21	4,381568E+21	2,696891E+21	2,696965E+21	4,381773E+21	7,553689E+21
1898	1,150001E+22	1,516310E+22	1,742428E+22	1,742443E+22	1,516333E+22	1,150017E+22	7,553896E+21	4,382027E+21	2,697223E+21	2,697119E+21	4,381721E+21	7,553456E+21
1899	1,149976E+22	1,516314E+22	1,742470E+22	1,742489E+22	1,516362E+22	1,150011E+22	7,553626E+21	4,381882E+21	2,697323E+21	2,697450E+21	4,382250E+21	7,554089E+21
1900	1,150026E+22	1,516315E+22	1,742403E+22	1,742365E+22	1,516247E+22	1,149969E+22	7,553730E+21	4,382142E+21	2,697552E+21	2,697575E+21	4,382227E+21	7,553884E+21
1901	1,149984E+22	1,516254E+22	1,742360E+22	1,742382E+22	1,516299E+22	1,150021E+22	7,554169E+21	4,382467E+21	2,697783E+21	2,697716E+21	4,382249E+21	7,553820E+21
1902	1,149994E+22	1,516299E+22	1,742405E+22	1,742395E+22	1,516273E+22	1,149970E+22	7,553782E+21	4,382356E+21	2,697885E+21	2,697987E+21	4,382637E+21	7,554170E+21
1903	1,150003E+22	1,516269E+22	1,742335E+22	1,742298E+22	1,516217E+22	1,149977E+22	7,554115E+21	4,382691E+21	2,698078E+21	2,697977E+21	4,382404E+21	7,553719E+21
1904	1,149937E+22	1,516208E+22	1,742347E+22	1,742393E+22	1,516310E+22	1,150022E+22	7,554181E+21	4,382619E+21	2,698050E+21	2,698028E+21	4,382535E+21	7,553993E+21
1905	1,149991E+22	1,516267E+22	1,742355E+22	1,742347E+22	1,516237E+22	1,149957E+22	7,553780E+21	4,382387E+21	2,697926E+21	2,698026E+21	4,382675E+21	7,554176E+21
1906	1,149990E+22	1,516233E+22	1,742293E+22	1,742295E+22	1,516240E+22	1,149996E+22	7,554177E+21	4,382611E+21	2,697906E+21	2,697769E+21	4,382229E+21	7,553689E+21
1907	1,149961E+22	1,516258E+22	1,742390E+22	1,742405E+22	1,516309E+22	1,150009E+22	7,553894E+21	4,382238E+21	2,697658E+21	2,697701E+21	4,382364E+21	7,554080E+21
1908	1,150025E+22	1,516317E+22	1,742411E+22	1,742372E+22	1,516234E+22	1,149952E+22	7,553645E+21	4,382079E+21	2,697469E+21	2,697478E+21	4,382118E+21	7,553789E+21
1909	1,149988E+22	1,516278E+22	1,742395E+22	1,742421E+22	1,516320E+22	1,150013E+22	7,553939E+21	4,382144E+21	2,697365E+21	2,697250E+21	4,381816E+21	7,553497E+21
1910	1,149981E+22	1,516325E+22	1,742478E+22	1,742491E+22	1,516355E+22	1,150000E+22	7,553506E+21	4,381752E+21	2,697156E+21	2,697255E+21	4,382058E+21	7,553938E+21
1911	1,150021E+22	1,516331E+22	1,742443E+22	1,742412E+22	1,516290E+22	1,149997E+22	7,553693E+21	4,381842E+21	2,697100E+21	2,697046E+21	4,381710E+21	7,553519E+21
1912	1,149974E+22	1,516281E+22	1,742440E+22	1,742489E+22	1,516379E+22	1,150050E+22	7,553936E+21	4,381891E+21	2,697081E+21	2,697018E+21	4,381672E+21	7,553574E+21
1913	1,150019E+22	1,516360E+22	1,742480E+22	1,742469E+22	1,516322E+22	1,149983E+22	7,553464E+21	4,381674E+21	2,697048E+21	2,697154E+21	4,381960E+21	7,553850E+21
1914	1,150020E+22	1,516330E+22	1,742419E+22	1,742388E+22	1,516283E+22	1,149996E+22	7,553844E+21	4,382063E+21	2,697275E+21	2,697155E+21	4,381724E+21	7,553396E+21
1915	1,149959E+22	1,516287E+22	1,742451E+22	1,742475E+22	1,516353E+22	1,150024E+22	7,553819E+21	4,382021E+21	2,697381E+21	2,697416E+21	4,382100E+21	7,553862E+21
1916	1,150009E+22	1,516314E+22	1,742431E+22	1,742409E+22	1,516258E+22	1,149952E+22	7,553537E+21	4,382025E+21	2,697518E+21	2,697619E+21	4,382328E+21	7,553975E+21
1917	1,149988E+22	1,516245E+22	1,742328E+22	1,742350E+22	1,516275E+22	1,150001E+22	7,554082E+21	4,382484E+21	2,697818E+21	2,697741E+21	4,382258E+21	7,553729E+21
1918	1,149963E+22	1,516253E+22	1,742364E+22	1,742376E+22	1,516286E+22	1,149992E+22	7,553891E+21	4,382436E+21	2,697981E+21	2,698088E+21	4,382742E+21	7,554291E+21
1919	1,150012E+22	1,516267E+22	1,742324E+22	1,742269E+22	1,516173E+22	1,149949E+22	7,554003E+21	4,382724E+21	2,698241E+21	2,698228E+21	4,382691E+21	7,553976E+21
1920	1,149951E+22	1,516185E+22	1,742274E+22	1,742305E+22	1,516244E+22	1,150004E+22	7,554422E+21	4,383047E+21	2,698484E+21	2,698384E+21	4,382711E+21	7,553886E+21
1921	1,149960E+22	1,516230E+22	1,742311E+22	1,742306E+22	1,516213E+22	1,149948E+22	7,553944E+21	4,382840E+21	2,698530E+21	2,698651E+21	4,383181E+21	7,554376E+21
1922	1,149973E+22	1,516193E+22	1,742235E+22	1,742210E+22	1,516158E+22	1,149955E+22	7,554275E+21	4,383150E+21	2,698671E+21	2,698582E+21	4,382913E+21	7,553959E+21
1923	1,149917E+22	1,516135E+22	1,742236E+22	1,742290E+22	1,516246E+22	1,150006E+22	7,554395E+21	4,383073E+21	2,698606E+21	2,698594E+21	4,383017E+21	7,554248E+21
1924	1,149980E+22	1,516212E+22	1,742272E+22	1,742263E+22	1,516171E+22	1,149930E+22	7,553917E+21	4,382798E+21	2,698439E+21	2,698532E+21	4,383077E+21	7,554359E+21
1925	1,149981E+22	1,516194E+22	1,742227E+22	1,742223E+22	1,516186E+22	1,149974E+22	7,554296E+21	4,382979E+21	2,698384E+21	2,698256E+21	4,382625E+21	7,553825E+21
1926	1,149942E+22	1,516212E+22	1,742322E+22	1,742330E+22	1,516249E+22	1,149987E+22	7,554050E+21	4,382658E+21	2,698182E+21	2,698220E+21	4,382770E+21	7,554211E+21
1927	1,150001E+22	1,516266E+22	1,742345E+22	1,742309E+22	1,516188E+22	1,149938E+22	7,553804E+21	4,382499E+21	2,698008E+21	2,698014E+21	4,382536E+21	7,553922E+21
1928	1,149960E+22	1,516208E+22	1,742305E+22	1,742353E+22	1,516286E+22	1,150010E+22	7,554149E+21	4,382569E+21	2,697907E+21	2,697790E+21	4,382224E+21	7,553657E+21
1929	1,149968E+22	1,516271E+22	1,742381E+22	1,742392E+22	1,516293E+22	1,149985E+22	7,553694E+21	4,382158E+21	2,697680E+21	2,697799E+21	4,382511E+21	7,554162E+21
1930	1,150012E+22	1,516284E+22	1,742360E+22	1,742320E+22	1,516218E+22	1,149968E+22	7,553860E+21	4,382303E+21	2,697657E+21	2,697589E+21	4,382131E+21	7,553681E+21
1931	1,149958E+22	1,516230E+22	1,742353E+22	1,742394E+22	1,516307E+22	1,150024E+22	7,554124E+21	4,382381E+21	2,697685E+21	2,697617E+21	4,382136E+21	7,553713E+21
1932	1,149990E+22	1,516299E+22	1,742410E+22	1,742400E+22	1,516258E+22	1,149951E+22	7,553586E+21	4,382135E+21	2,697653E+21	2,697766E+21	4,382444E+21	7,554001E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1933	1,149990E+22	1,516263E+22	1,742335E+22	1,742317E+22	1,516234E+22	1,149975E+22	7,553966E+21	4,382492E+21	2,697866E+21	2,697783E+21	4,382266E+21	7,553613E+21
1934	1,149930E+22	1,516210E+22	1,742341E+22	1,742370E+22	1,516288E+22	1,150010E+22	7,554056E+21	4,382530E+21	2,698023E+21	2,698068E+21	4,382647E+21	7,554133E+21
1935	1,149993E+22	1,516250E+22	1,742328E+22	1,742305E+22	1,516191E+22	1,149939E+22	7,553820E+21	4,382578E+21	2,698183E+21	2,698270E+21	4,382837E+21	7,554191E+21
1936	1,149971E+22	1,516181E+22	1,742226E+22	1,742252E+22	1,516214E+22	1,149987E+22	7,554362E+21	4,383063E+21	2,698509E+21	2,698397E+21	4,382723E+21	7,553879E+21
1937	1,149949E+22	1,516203E+22	1,742272E+22	1,742271E+22	1,516209E+22	1,149966E+22	7,554110E+21	4,382978E+21	2,698665E+21	2,698769E+21	4,383272E+21	7,554473E+21
1938	1,149987E+22	1,516209E+22	1,742246E+22	1,742191E+22	1,516103E+22	1,149915E+22	7,554180E+21	4,383268E+21	2,698917E+21	2,698899E+21	4,383220E+21	7,554149E+21
1939	1,149919E+22	1,516108E+22	1,742171E+22	1,742215E+22	1,516186E+22	1,149983E+22	7,554612E+21	4,383561E+21	2,699145E+21	2,699062E+21	4,383279E+21	7,554118E+21
1940	1,149928E+22	1,516149E+22	1,742214E+22	1,742224E+22	1,516158E+22	1,149931E+22	7,554113E+21	4,383281E+21	2,699114E+21	2,699258E+21	4,383699E+21	7,554642E+21
1941	1,149960E+22	1,516131E+22	1,742136E+22	1,742117E+22	1,516099E+22	1,149937E+22	7,554442E+21	4,383547E+21	2,699188E+21	2,699126E+21	4,383387E+21	7,554195E+21
1942	1,149906E+22	1,516083E+22	1,742138E+22	1,742178E+22	1,516168E+22	1,149983E+22	7,554610E+21	4,383543E+21	2,699161E+21	2,699128E+21	4,383431E+21	7,554426E+21
1943	1,149969E+22	1,516175E+22	1,742204E+22	1,742179E+22	1,516107E+22	1,149909E+22	7,554095E+21	4,383253E+21	2,698994E+21	2,699060E+21	4,383454E+21	7,554441E+21
1944	1,149956E+22	1,516142E+22	1,742159E+22	1,742163E+22	1,516142E+22	1,149955E+22	7,554443E+21	4,383409E+21	2,698933E+21	2,698785E+21	4,382995E+21	7,553905E+21
1945	1,149919E+22	1,516159E+22	1,742244E+22	1,742257E+22	1,516199E+22	1,149967E+22	7,554164E+21	4,383033E+21	2,698697E+21	2,698757E+21	4,383219E+21	7,554401E+21
1946	1,149980E+22	1,516206E+22	1,742267E+22	1,742240E+22	1,516139E+22	1,149918E+22	7,553955E+21	4,382887E+21	2,698500E+21	2,698515E+21	4,382952E+21	7,554109E+21
1947	1,149942E+22	1,516147E+22	1,742208E+22	1,742262E+22	1,516230E+22	1,149997E+22	7,554371E+21	4,382998E+21	2,698422E+21	2,698308E+21	4,382645E+21	7,553828E+21
1948	1,149948E+22	1,516217E+22	1,742306E+22	1,742314E+22	1,516234E+22	1,149964E+22	7,553867E+21	4,382580E+21	2,698199E+21	2,698308E+21	4,382898E+21	7,554288E+21
1949	1,149994E+22	1,516238E+22	1,742288E+22	1,742244E+22	1,516162E+22	1,149946E+22	7,554014E+21	4,382718E+21	2,698192E+21	2,698140E+21	4,382577E+21	7,553810E+21
1950	1,149930E+22	1,516170E+22	1,742267E+22	1,742304E+22	1,516239E+22	1,149998E+22	7,554329E+21	4,382891E+21	2,698309E+21	2,698235E+21	4,382637E+21	7,553909E+21
1951	1,149964E+22	1,516233E+22	1,742320E+22	1,742317E+22	1,516204E+22	1,149933E+22	7,553774E+21	4,382643E+21	2,698307E+21	2,698423E+21	4,382980E+21	7,554233E+21
1952	1,149965E+22	1,516185E+22	1,742227E+22	1,742226E+22	1,516184E+22	1,149964E+22	7,554193E+21	4,382999E+21	2,698520E+21	2,698442E+21	4,382790E+21	7,553878E+21
1953	1,149922E+22	1,516153E+22	1,742234E+22	1,742254E+22	1,516208E+22	1,149984E+22	7,554267E+21	4,383036E+21	2,698670E+21	2,698731E+21	4,383202E+21	7,554419E+21
1954	1,149985E+22	1,516201E+22	1,742241E+22	1,742206E+22	1,516111E+22	1,149904E+22	7,554020E+21	4,383127E+21	2,698851E+21	2,698923E+21	4,383338E+21	7,554373E+21
1955	1,149950E+22	1,516126E+22	1,742137E+22	1,742156E+22	1,516143E+22	1,149962E+22	7,554589E+21	4,383622E+21	2,699204E+21	2,699089E+21	4,383253E+21	7,554020E+21
1956	1,149912E+22	1,516133E+22	1,742196E+22	1,742199E+22	1,516149E+22	1,149939E+22	7,554276E+21	4,383490E+21	2,699327E+21	2,699435E+21	4,383792E+21	7,554626E+21
1957	1,149953E+22	1,516131E+22	1,742148E+22	1,742112E+22	1,516059E+22	1,149900E+22	7,554357E+21	4,383726E+21	2,699530E+21	2,699545E+21	4,383771E+21	7,554367E+21
1958	1,149888E+22	1,516025E+22	1,742051E+22	1,742103E+22	1,516121E+22	1,149970E+22	7,554880E+21	4,384072E+21	2,699761E+21	2,699680E+21	4,383800E+21	7,554387E+21
1959	1,149912E+22	1,516082E+22	1,742106E+22	1,742115E+22	1,516091E+22	1,149915E+22	7,554365E+21	4,383793E+21	2,699715E+21	2,699837E+21	4,384150E+21	7,554838E+21
1960	1,149944E+22	1,516074E+22	1,742043E+22	1,742022E+22	1,516038E+22	1,149919E+22	7,554660E+21	4,384031E+21	2,699769E+21	2,699675E+21	4,383779E+21	7,554344E+21
1961	1,149898E+22	1,516046E+22	1,742066E+22	1,742085E+22	1,516091E+22	1,149950E+22	7,554742E+21	4,383972E+21	2,699715E+21	2,699685E+21	4,383871E+21	7,554591E+21
1962	1,149952E+22	1,516132E+22	1,742148E+22	1,742118E+22	1,516049E+22	1,149874E+22	7,554191E+21	4,383672E+21	2,699529E+21	2,699594E+21	4,383877E+21	7,554588E+21
1963	1,149931E+22	1,516083E+22	1,742082E+22	1,742096E+22	1,516102E+22	1,149939E+22	7,554565E+21	4,383794E+21	2,699453E+21	2,699328E+21	4,383449E+21	7,554092E+21
1964	1,149892E+22	1,516095E+22	1,742169E+22	1,742192E+22	1,516157E+22	1,149954E+22	7,554309E+21	4,383385E+21	2,699163E+21	2,699241E+21	4,383621E+21	7,554593E+21
1965	1,149967E+22	1,516155E+22	1,742186E+22	1,742163E+22	1,516094E+22	1,149906E+22	7,554131E+21	4,383248E+21	2,698954E+21	2,698987E+21	4,383341E+21	7,554258E+21
1966	1,149925E+22	1,516097E+22	1,742123E+22	1,742162E+22	1,516161E+22	1,149977E+22	7,554609E+21	4,383475E+21	2,698967E+21	2,698828E+21	4,383039E+21	7,553958E+21
1967	1,149926E+22	1,516165E+22	1,742231E+22	1,742233E+22	1,516176E+22	1,149944E+22	7,554075E+21	4,383078E+21	2,698798E+21	2,698880E+21	4,383313E+21	7,554371E+21
1968	1,149960E+22	1,516171E+22	1,742205E+22	1,742172E+22	1,516117E+22	1,149928E+22	7,554197E+21	4,383207E+21	2,698814E+21	2,698752E+21	4,383042E+21	7,553979E+21

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°
1969	1,149907E+22	1,516103E+22	1,742168E+22	1,742206E+22	1,516174E+22	1,149973E+22	7,554474E+21	4,383351E+21	2,698930E+21	2,698886E+21	4,383201E+21	7,554206E+21
1970	1,149948E+22	1,516168E+22	1,742224E+22	1,742223E+22	1,516138E+22	1,149906E+22	7,553962E+21	4,383130E+21	2,698919E+21	2,699049E+21	4,383512E+21	7,554522E+21
1971	1,149954E+22	1,516125E+22	1,742123E+22	1,742119E+22	1,516114E+22	1,149941E+22	7,554413E+21	4,383511E+21	2,699156E+21	2,699086E+21	4,383316E+21	7,554113E+21
1972	1,149904E+22	1,516098E+22	1,742155E+22	1,742165E+22	1,516140E+22	1,149958E+22	7,554456E+21	4,383537E+21	2,699297E+21	2,699351E+21	4,383679E+21	7,554588E+21
1973	1,149965E+22	1,516150E+22	1,742165E+22	1,742126E+22	1,516053E+22	1,149881E+22	7,554204E+21	4,383611E+21	2,699479E+21	2,699566E+21	4,383844E+21	7,554499E+21
1974	1,149915E+22	1,516054E+22	1,742042E+22	1,742059E+22	1,516076E+22	1,149939E+22	7,554842E+21	4,384196E+21	2,699897E+21	2,699772E+21	4,383800E+21	7,554218E+21
1975	1,149877E+22	1,516049E+22	1,742088E+22	1,742107E+22	1,516100E+22	1,149928E+22	7,554521E+21	4,384041E+21	2,700013E+21	2,700113E+21	4,384330E+21	7,554837E+21
1976	1,149924E+22	1,516047E+22	1,742030E+22	1,742008E+22	1,516004E+22	1,149890E+22	7,554623E+21	4,384254E+21	2,700177E+21	2,700182E+21	4,384277E+21	7,554635E+21
1977	1,149881E+22	1,515966E+22	1,741941E+22	1,741977E+22	1,516033E+22	1,149939E+22	7,555081E+21	4,384574E+21	2,700378E+21	2,700296E+21	4,384310E+21	7,554661E+21
1978	1,149906E+22	1,516039E+22	1,742028E+22	1,742018E+22	1,516009E+22	1,149875E+22	7,554517E+21	4,384283E+21	2,700307E+21	2,700410E+21	4,384587E+21	7,555000E+21
1979	1,149927E+22	1,516027E+22	1,741973E+22	1,741942E+22	1,515973E+22	1,149889E+22	7,554784E+21	4,384475E+21	2,700346E+21	2,700257E+21	4,384228E+21	7,554460E+21
1980	1,149866E+22	1,515991E+22	1,742012E+22	1,742033E+22	1,516044E+22	1,149923E+22	7,554814E+21	4,384347E+21	2,700230E+21	2,700214E+21	4,384291E+21	7,554727E+21
1981	1,149925E+22	1,516072E+22	1,742074E+22	1,742060E+22	1,516022E+22	1,149865E+22	7,554309E+21	4,384001E+21	2,699995E+21	2,700095E+21	4,384295E+21	7,554735E+21
1982	1,149904E+22	1,516016E+22	1,741990E+22	1,742007E+22	1,516054E+22	1,149933E+22	7,554818E+21	4,384225E+21	2,699952E+21	2,699821E+21	4,383853E+21	7,554285E+21
1983	1,149876E+22	1,516034E+22	1,742077E+22	1,742105E+22	1,516112E+22	1,149947E+22	7,554559E+21	4,383851E+21	2,699691E+21	2,699733E+21	4,383977E+21	7,554699E+21
1984	1,149945E+22	1,516098E+22	1,742101E+22	1,742079E+22	1,516045E+22	1,149895E+22	7,554372E+21	4,383723E+21	2,699507E+21	2,699506E+21	4,383712E+21	7,554393E+21
1985	1,149911E+22	1,516050E+22	1,742046E+22	1,742065E+22	1,516084E+22	1,149946E+22	7,554765E+21	4,383935E+21	2,699547E+21	2,699415E+21	4,383522E+21	7,554165E+21
1986	1,149907E+22	1,516110E+22	1,742158E+22	1,742155E+22	1,516110E+22	1,149909E+22	7,554198E+21	4,383546E+21	2,699393E+21	2,699487E+21	4,383822E+21	7,554605E+21
1987	1,149939E+22	1,516104E+22	1,742112E+22	1,742086E+22	1,516063E+22	1,149907E+22	7,554326E+21	4,383641E+21	2,699415E+21	2,699391E+21	4,383601E+21	7,554265E+21
1988	1,149889E+22	1,516042E+22	1,742086E+22	1,742119E+22	1,516111E+22	1,149947E+22	7,554595E+21	4,383762E+21	2,699489E+21	2,699473E+21	4,383700E+21	7,554482E+21
1989	1,149942E+22	1,516119E+22	1,742137E+22	1,742129E+22	1,516077E+22	1,149885E+22	7,554132E+21	4,383567E+21	2,699486E+21	2,699629E+21	4,383972E+21	7,554698E+21
1990	1,149937E+22	1,516073E+22	1,742038E+22	1,742017E+22	1,516041E+22	1,149918E+22	7,554665E+21	4,384064E+21	2,699806E+21	2,699708E+21	4,383779E+21	7,554252E+21
1991	1,149876E+22	1,516035E+22	1,742070E+22	1,742082E+22	1,516085E+22	1,149938E+22	7,554702E+21	4,384119E+21	2,699995E+21	2,700015E+21	4,384146E+21	7,554652E+21
1992	1,149922E+22	1,516067E+22	1,742069E+22	1,742045E+22	1,516010E+22	1,149871E+22	7,554469E+21	4,384190E+21	2,700185E+21	2,700251E+21	4,384362E+21	7,554677E+21
1993	1,149884E+22	1,515970E+22	1,741928E+22	1,741946E+22	1,516005E+22	1,149919E+22	7,555069E+21	4,384736E+21	2,700585E+21	2,700478E+21	4,384398E+21	7,554516E+21
1994	1,149857E+22	1,515971E+22	1,741976E+22	1,741996E+22	1,516024E+22	1,149901E+22	7,554761E+21	4,384586E+21	2,700667E+21	2,700768E+21	4,384868E+21	7,555109E+21
1995	1,149910E+22	1,515981E+22	1,741921E+22	1,741894E+22	1,515930E+22	1,149865E+22	7,554823E+21	4,384767E+21	2,700816E+21	2,700822E+21	4,384795E+21	7,554863E+21
1996	1,149865E+22	1,515917E+22	1,741869E+22	1,741887E+22	1,515958E+22	1,149904E+22	7,555187E+21	4,385014E+21	2,700952E+21	2,700872E+21	4,384761E+21	7,554844E+21
1997	1,149892E+22	1,515996E+22	1,741965E+22	1,741948E+22	1,515954E+22	1,149849E+22	7,554624E+21	4,384679E+21	2,700844E+21	2,700966E+21	4,385024E+21	7,555125E+21
1998	1,149900E+22	1,515969E+22	1,741902E+22	1,741871E+22	1,515922E+22	1,149869E+22	7,554948E+21	4,384918E+21	2,700902E+21	2,700812E+21	4,384679E+21	7,554643E+21
1999	1,149841E+22	1,515923E+22	1,741926E+22	1,741966E+22	1,516016E+22	1,149919E+22	7,555004E+21	4,384772E+21	2,700766E+21	2,700742E+21	4,384699E+21	7,554875E+21
2000	1,149902E+22	1,516004E+22	1,741980E+22	1,741981E+22	1,515987E+22	1,149867E+22	7,554567E+21	4,384433E+21	2,700504E+21	2,700585E+21	4,384673E+21	7,554926E+21
2001	1,149897E+22	1,515965E+22	1,741899E+22	1,741900E+22	1,515980E+22	1,149911E+22	7,555022E+21	4,384669E+21	2,700480E+21	2,700341E+21	4,384270E+21	7,554484E+21
2002	1,149866E+22	1,515990E+22	1,742005E+22	1,742019E+22	1,516039E+22	1,149916E+22	7,554730E+21	4,384314E+21	2,700238E+21	2,700262E+21	4,384371E+21	7,554818E+21
2003	1,149923E+22	1,516045E+22	1,742028E+22	1,741999E+22	1,515982E+22	1,149867E+22	7,554492E+21	4,384161E+21	2,700081E+21	2,700090E+21	4,384179E+21	7,554534E+21
2004	1,149880E+22	1,515992E+22	1,741981E+22	1,741998E+22	1,516028E+22	1,149914E+22	7,554815E+21	4,384315E+21	2,700082E+21	2,699976E+21	4,383998E+21	7,554387E+21

	1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ⊙	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°	
Years													
2005	1,149889E+22	1,516050E+22	1,742076E+22	1,742080E+22	1,516065E+22	1,149892E+22	7,554299E+21	4,383899E+21	2,699902E+21	2,700038E+21	4,384290E+21	7,554818E+21	
2006	1,149921E+22	1,516040E+22	1,742017E+22	1,741987E+22	1,515999E+22	1,149891E+22	7,554550E+21	4,384107E+21	2,699977E+21	2,699954E+21	4,384060E+21	7,554494E+21	
2007	1,149877E+22	1,515985E+22	1,741992E+22	1,742029E+22	1,516060E+22	1,149935E+22	7,554834E+21	4,384276E+21	2,700098E+21	2,700046E+21	4,384104E+21	7,554584E+21	
2008	1,149919E+22	1,516062E+22	1,742052E+22	1,742042E+22	1,516025E+22	1,149875E+22	7,554407E+21	4,384120E+21	2,700138E+21	2,700239E+21	4,384404E+21	7,554820E+21	
2009	1,149912E+22	1,516011E+22	1,741952E+22	1,741917E+22	1,515963E+22	1,149889E+22	7,554894E+21	4,384643E+21	2,700515E+21	2,700410E+21	4,384335E+21	7,554454E+21	
2010	1,149846E+22	1,515957E+22	1,741974E+22	1,741995E+22	1,516019E+22	1,149910E+22	7,554915E+21	4,384701E+21	2,700714E+21	2,700734E+21	4,384725E+21	7,554876E+21	
2011	1,149889E+22	1,515978E+22	1,741950E+22	1,741940E+22	1,515948E+22	1,149854E+22	7,554683E+21	4,384728E+21	2,700890E+21	2,700987E+21	4,384989E+21	7,554972E+21	
2012	1,149860E+22	1,515897E+22	1,741826E+22	1,741835E+22	1,515926E+22	1,149890E+22	7,555233E+21	4,385215E+21	2,701211E+21	2,701127E+21	4,384955E+21	7,554831E+21	
2013	1,149852E+22	1,515919E+22	1,741880E+22	1,741889E+22	1,515948E+22	1,149873E+22	7,554910E+21	4,385040E+21	2,701262E+21	2,701376E+21	4,385348E+21	7,555301E+21	
2014	1,149895E+22	1,515931E+22	1,741838E+22	1,741794E+22	1,515852E+22	1,149836E+22	7,555012E+21	4,385273E+21	2,701436E+21	2,701429E+21	4,385256E+21	7,555027E+21	
2015	1,149844E+22	1,515862E+22	1,741794E+22	1,741819E+22	1,515912E+22	1,149883E+22	7,555337E+21	4,385495E+21	2,701562E+21	2,701459E+21	4,385184E+21	7,554926E+21	
2016	1,149859E+22	1,515929E+22	1,741884E+22	1,741884E+22	1,515923E+22	1,149845E+22	7,554834E+21	4,385142E+21	2,701420E+21	2,701523E+21	4,385456E+21	7,555301E+21	
2017	1,149877E+22	1,515900E+22	1,741810E+22	1,741782E+22	1,515866E+22	1,149857E+22	7,555155E+21	4,385357E+21	2,701452E+21	2,701375E+21	4,385155E+21	7,554890E+21	
2018	1,149827E+22	1,515860E+22	1,741834E+22	1,741877E+22	1,515953E+22	1,149902E+22	7,555243E+21	4,385232E+21	2,701294E+21	2,701259E+21	4,385103E+21	7,555039E+21	
2019	1,149886E+22	1,515947E+22	1,741890E+22	1,741887E+22	1,515927E+22	1,149851E+22	7,554770E+21	4,384877E+21	2,701042E+21	2,701118E+21	4,385085E+21	7,555056E+21	
2020	1,149877E+22	1,515924E+22	1,741840E+22	1,741820E+22	1,515908E+22	1,149879E+22	7,555110E+21	4,385047E+21	2,700978E+21	2,700844E+21	4,384667E+21	7,554632E+21	
2021	1,149851E+22	1,515946E+22	1,741941E+22	1,741949E+22	1,515982E+22	1,149888E+22	7,554803E+21	4,384675E+21	2,700739E+21	2,700784E+21	4,384783E+21	7,554939E+21	
2022	1,149897E+22	1,515984E+22	1,741951E+22	1,741926E+22	1,515931E+22	1,149846E+22	7,554618E+21	4,384574E+21	2,700621E+21	2,700643E+21	4,384647E+21	7,554763E+21	
2023	1,149863E+22	1,515926E+22	1,741889E+22	1,741926E+22	1,515991E+22	1,149902E+22	7,554955E+21	4,384725E+21	2,700626E+21	2,700523E+21	4,384434E+21	7,554579E+21	
2024	1,149873E+22	1,515990E+22	1,741984E+22	1,741994E+22	1,516018E+22	1,149887E+22	7,554558E+21	4,384370E+21	2,700458E+21	2,700572E+21	4,384708E+21	7,555035E+21	
2025	1,149913E+22	1,515991E+22	1,741930E+22	1,741883E+22	1,515920E+22	1,149865E+22	7,554767E+21	4,384618E+21	2,700594E+21	2,700557E+21	4,384526E+21	7,554678E+21	
2026	1,149861E+22	1,515933E+22	1,741915E+22	1,741941E+22	1,515985E+22	1,149906E+22	7,555063E+21	4,384831E+21	2,700763E+21	2,700690E+21	4,384568E+21	7,554670E+21	
2027	1,149884E+22	1,515991E+22	1,741962E+22	1,741956E+22	1,515966E+22	1,149855E+22	7,554618E+21	4,384673E+21	2,700846E+21	2,700955E+21	4,384959E+21	7,554954E+21	
2028	1,149871E+22	1,515933E+22	1,741862E+22	1,741831E+22	1,515900E+22	1,149863E+22	7,555038E+21	4,385138E+21	2,701181E+21	2,701103E+21	4,384921E+21	7,554725E+21	
2029	1,149824E+22	1,515878E+22	1,741861E+22	1,741893E+22	1,515959E+22	1,149894E+22	7,555098E+21	4,385172E+21	2,701349E+21	2,701401E+21	4,385284E+21	7,555138E+21	
2030	1,149870E+22	1,515902E+22	1,741834E+22	1,741823E+22	1,515870E+22	1,149832E+22	7,554938E+21	4,385272E+21	2,701541E+21	2,701636E+21	4,385532E+21	7,555266E+21	
2031	1,149851E+22	1,515836E+22	1,741722E+22	1,741735E+22	1,515861E+22	1,149867E+22	7,555429E+21	4,385740E+21	2,701854E+21	2,701745E+21	4,385414E+21	7,554995E+21	
2032	1,149835E+22	1,515869E+22	1,741799E+22	1,741800E+22	1,515885E+22	1,149856E+22	7,555149E+21	4,385563E+21	2,701890E+21	2,701972E+21	4,385798E+21	7,555474E+21	
2033	1,149876E+22	1,515877E+22	1,741762E+22	1,741707E+22	1,515779E+22	1,149805E+22	7,555184E+21	4,385780E+21	2,702075E+21	2,702067E+21	4,385770E+21	7,555232E+21	
2034	1,149822E+22	1,515801E+22	1,741715E+22	1,741749E+22	1,515859E+22	1,149862E+22	7,555515E+21	4,385972E+21	2,702170E+21	2,702071E+21	4,385668E+21	7,555105E+21	
2035	1,149834E+22	1,515857E+22	1,741787E+22	1,741798E+22	1,515877E+22	1,149838E+22	7,555040E+21	4,385585E+21	2,701995E+21	2,702117E+21	4,385941E+21	7,555492E+21	
2036	1,149856E+22	1,515843E+22	1,741727E+22	1,741693E+22	1,515800E+22	1,149835E+22	7,555309E+21	4,385752E+21	2,701952E+21	2,701882E+21	4,385574E+21	7,555105E+21	
2037	1,149821E+22	1,515817E+22	1,741754E+22	1,741790E+22	1,515890E+22	1,149878E+22	7,555368E+21	4,385607E+21	2,701778E+21	2,701742E+21	4,385455E+21	7,555118E+21	
2038	1,149863E+22	1,515897E+22	1,741817E+22	1,741805E+22	1,515859E+22	1,149824E+22	7,554926E+21	4,385307E+21	2,701566E+21	2,701630E+21	4,385474E+21	7,555161E+21	
2039	1,149851E+22	1,515866E+22	1,741766E+22	1,741762E+22	1,515867E+22	1,149858E+22	7,555216E+21	4,385452E+21	2,701508E+21	2,701365E+21	4,385056E+21	7,554717E+21	
2040	1,149821E+22	1,515883E+22	1,741861E+22	1,741883E+22	1,515946E+22	1,149882E+22	7,554984E+21	4,385085E+21	2,701262E+21	2,701301E+21	4,385210E+21	7,555147E+21	

1 Years	Longitude $\odot$											
	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°
2041	1,149879E+22	1,515920E+22	1,741857E+22	1,741834E+22	1,515869E+22	1,149829E+22	7,554804E+21	4,385003E+21	2,701169E+21	2,701207E+21	4,385129E+21	7,555030E+21
2042	1,149855E+22	1,515871E+22	1,741800E+22	1,741838E+22	1,515927E+22	1,149883E+22	7,555175E+21	4,385193E+21	2,701192E+21	2,701082E+21	4,384866E+21	7,554750E+21
2043	1,149857E+22	1,515935E+22	1,741893E+22	1,741900E+22	1,515956E+22	1,149872E+22	7,554782E+21	4,384867E+21	2,701073E+21	2,701181E+21	4,385169E+21	7,555155E+21
2044	1,149888E+22	1,515943E+22	1,741863E+22	1,741801E+22	1,515847E+22	1,149834E+22	7,554918E+21	4,385089E+21	2,701202E+21	2,701174E+21	4,385019E+21	7,554857E+21
2045	1,149839E+22	1,515874E+22	1,741833E+22	1,741861E+22	1,515925E+22	1,149881E+22	7,555209E+21	4,385306E+21	2,701398E+21	2,701344E+21	4,385085E+21	7,554818E+21
2046	1,149848E+22	1,515909E+22	1,741859E+22	1,741865E+22	1,515906E+22	1,149837E+22	7,554834E+21	4,385201E+21	2,701520E+21	2,701646E+21	4,385545E+21	7,555238E+21
2047	1,149850E+22	1,515851E+22	1,741743E+22	1,741735E+22	1,515847E+22	1,149849E+22	7,555250E+21	4,385649E+21	2,701838E+21	2,701767E+21	4,385462E+21	7,554984E+21
2048	1,149810E+22	1,515813E+22	1,741748E+22	1,741779E+22	1,515889E+22	1,149881E+22	7,555388E+21	4,385722E+21	2,701994E+21	2,702024E+21	4,385790E+21	7,555416E+21
2049	1,149863E+22	1,515850E+22	1,741736E+22	1,741705E+22	1,515778E+22	1,149798E+22	7,555147E+21	4,385829E+21	2,702222E+21	2,702301E+21	4,386054E+21	7,555498E+21
2050	1,149839E+22	1,515789E+22	1,741645E+22	1,741646E+22	1,515781E+22	1,149832E+22	7,555612E+21	4,386277E+21	2,702529E+21	2,702406E+21	4,385902E+21	7,555114E+21
2051	1,149804E+22	1,515803E+22	1,741716E+22	1,741723E+22	1,515830E+22	1,149836E+22	7,555339E+21	4,386081E+21	2,702559E+21	2,702648E+21	4,386323E+21	7,555600E+21
2052	1,149840E+22	1,515811E+22	1,741685E+22	1,741637E+22	1,515726E+22	1,149784E+22	7,555306E+21	4,386199E+21	2,702651E+21	2,702669E+21	4,386274E+21	7,555455E+21
2053	1,149802E+22	1,515734E+22	1,741619E+22	1,741664E+22	1,515809E+22	1,149850E+22	7,555687E+21	4,386372E+21	2,702697E+21	2,702615E+21	4,386096E+21	7,555252E+21
2054	1,149809E+22	1,515791E+22	1,741688E+22	1,741703E+22	1,515817E+22	1,149826E+22	7,555289E+21	4,386043E+21	2,702525E+21	2,702631E+21	4,386346E+21	7,555660E+21
2055	1,149840E+22	1,515787E+22	1,741636E+22	1,741613E+22	1,515751E+22	1,149817E+22	7,555483E+21	4,386182E+21	2,702472E+21	2,702374E+21	4,385924E+21	7,555186E+21
2056	1,149799E+22	1,515769E+22	1,741679E+22	1,741712E+22	1,515836E+22	1,149864E+22	7,555584E+21	4,386050E+21	2,702296E+21	2,702232E+21	4,385839E+21	7,555267E+21
2057	1,149841E+22	1,515841E+22	1,741741E+22	1,741727E+22	1,515794E+22	1,149794E+22	7,555057E+21	4,385742E+21	2,702121E+21	2,702191E+21	4,385949E+21	7,555385E+21
2058	1,149834E+22	1,515809E+22	1,741688E+22	1,741691E+22	1,515815E+22	1,149836E+22	7,555341E+21	4,385848E+21	2,702048E+21	2,701928E+21	4,385527E+21	7,554934E+21
2059	1,149804E+22	1,515823E+22	1,741769E+22	1,741797E+22	1,515895E+22	1,149872E+22	7,555173E+21	4,385496E+21	2,701804E+21	2,701869E+21	4,385686E+21	7,555359E+21
2060	1,149867E+22	1,515878E+22	1,741782E+22	1,741747E+22	1,515801E+22	1,149802E+22	7,554934E+21	4,385389E+21	2,701674E+21	2,701726E+21	4,385559E+21	7,555253E+21
2061	1,149851E+22	1,515836E+22	1,741727E+22	1,741755E+22	1,515864E+22	1,149858E+22	7,555308E+21	4,385608E+21	2,701733E+21	2,701619E+21	4,385252E+21	7,554822E+21
2062	1,149829E+22	1,515880E+22	1,741818E+22	1,741821E+22	1,515893E+22	1,149849E+22	7,554993E+21	4,385366E+21	2,701684E+21	2,701780E+21	4,385623E+21	7,555271E+21
2063	1,149855E+22	1,515870E+22	1,741772E+22	1,741736E+22	1,515806E+22	1,149816E+22	7,555099E+21	4,385591E+21	2,701842E+21	2,701807E+21	4,385506E+21	7,554993E+21
2064	1,149804E+22	1,515797E+22	1,741728E+22	1,741772E+22	1,515877E+22	1,149876E+22	7,555486E+21	4,385833E+21	2,702038E+21	2,701981E+21	4,385627E+21	7,555092E+21
2065	1,149824E+22	1,515828E+22	1,741740E+22	1,741748E+22	1,515827E+22	1,149815E+22	7,555100E+21	4,385761E+21	2,702200E+21	2,702332E+21	4,386129E+21	7,555556E+21
2066	1,149839E+22	1,515789E+22	1,741637E+22	1,741624E+22	1,515765E+22	1,149822E+22	7,555499E+21	4,386206E+21	2,702520E+21	2,702441E+21	4,385988E+21	7,555204E+21
2067	1,149794E+22	1,515758E+22	1,741652E+22	1,741671E+22	1,515810E+22	1,149854E+22	7,555606E+21	4,386277E+21	2,702693E+21	2,702716E+21	4,386315E+21	7,555564E+21
2068	1,149839E+22	1,515803E+22	1,741664E+22	1,741616E+22	1,515698E+22	1,149760E+22	7,555271E+21	4,386318E+21	2,702869E+21	2,702958E+21	4,386581E+21	7,555703E+21
2069	1,149819E+22	1,515734E+22	1,741568E+22	1,741574E+22	1,515727E+22	1,149805E+22	7,555715E+21	4,386729E+21	2,703152E+21	2,703043E+21	4,386401E+21	7,555263E+21
2070	1,149769E+22	1,515726E+22	1,741620E+22	1,741642E+22	1,515781E+22	1,149823E+22	7,555548E+21	4,386560E+21	2,703172E+21	2,703273E+21	4,386844E+21	7,555838E+21
2071	1,149817E+22	1,515733E+22	1,741577E+22	1,741556E+22	1,515686E+22	1,149776E+22	7,555536E+21	4,386655E+21	2,703213E+21	2,703228E+21	4,386716E+21	7,555638E+21
2072	1,149785E+22	1,515677E+22	1,741521E+22	1,741566E+22	1,515752E+22	1,149842E+22	7,555971E+21	4,386849E+21	2,703232E+21	2,703121E+21	4,386501E+21	7,555438E+21
2073	1,149791E+22	1,515736E+22	1,741599E+22	1,741601E+22	1,515738E+22	1,149797E+22	7,555486E+21	4,386527E+21	2,703100E+21	2,703185E+21	4,386769E+21	7,555814E+21
2074	1,149822E+22	1,515738E+22	1,741565E+22	1,741534E+22	1,515684E+22	1,149788E+22	7,555632E+21	4,386623E+21	2,703035E+21	2,702934E+21	4,386347E+21	7,555294E+21
2075	1,149771E+22	1,515709E+22	1,741600E+22	1,741637E+22	1,515784E+22	1,149842E+22	7,555720E+21	4,386473E+21	2,702857E+21	2,702810E+21	4,386310E+21	7,555422E+21
2076	1,149815E+22	1,515787E+22	1,741667E+22	1,741653E+22	1,515740E+22	1,149770E+22	7,555136E+21	4,386083E+21	2,702606E+21	2,702713E+21	4,386416E+21	7,555666E+21

	1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°	
Years													
2077	1,149827E+22	1,515761E+22	1,741608E+22	1,741612E+22	1,515764E+22	1,149818E+22	7,555449E+21	4,386187E+21	2,702510E+21	2,702411E+21	4,385921E+21	7,555111E+21	
2078	1,149789E+22	1,515772E+22	1,741688E+22	1,741712E+22	1,515838E+22	1,149855E+22	7,555382E+21	4,385923E+21	2,702310E+21	2,702365E+21	4,386074E+21	7,555520E+21	
2079	1,149853E+22	1,515830E+22	1,741706E+22	1,741680E+22	1,515757E+22	1,149786E+22	7,555117E+21	4,385825E+21	2,702207E+21	2,702237E+21	4,385919E+21	7,555318E+21	
2080	1,149826E+22	1,515788E+22	1,741656E+22	1,741679E+22	1,515812E+22	1,149846E+22	7,555571E+21	4,386109E+21	2,702312E+21	2,702176E+21	4,385690E+21	7,554960E+21	
2081	1,149795E+22	1,515807E+22	1,741728E+22	1,741737E+22	1,515831E+22	1,149825E+22	7,555207E+21	4,385908E+21	2,702351E+21	2,702443E+21	4,386166E+21	7,555500E+21	
2082	1,149829E+22	1,515795E+22	1,741669E+22	1,741643E+22	1,515747E+22	1,149798E+22	7,555319E+21	4,386111E+21	2,702518E+21	2,702500E+21	4,386079E+21	7,555254E+21	
2083	1,149782E+22	1,515721E+22	1,741610E+22	1,741656E+22	1,515806E+22	1,149859E+22	7,555755E+21	4,386385E+21	2,702724E+21	2,702680E+21	4,386206E+21	7,555359E+21	
2084	1,149811E+22	1,515776E+22	1,741644E+22	1,741634E+22	1,515738E+22	1,149778E+22	7,555252E+21	4,386255E+21	2,702838E+21	2,702981E+21	4,386667E+21	7,555837E+21	
2085	1,149833E+22	1,515745E+22	1,741554E+22	1,741524E+22	1,515685E+22	1,149784E+22	7,555600E+21	4,386681E+21	2,703161E+21	2,703082E+21	4,386464E+21	7,555327E+21	
2086	1,149765E+22	1,515697E+22	1,741572E+22	1,741587E+22	1,515743E+22	1,149825E+22	7,555790E+21	4,386800E+21	2,703357E+21	2,703379E+21	4,386831E+21	7,555723E+21	
2087	1,149806E+22	1,515727E+22	1,741573E+22	1,741553E+22	1,515663E+22	1,149743E+22	7,555440E+21	4,386806E+21	2,703508E+21	2,703595E+21	4,387071E+21	7,555848E+21	
2088	1,149786E+22	1,515659E+22	1,741469E+22	1,741489E+22	1,515686E+22	1,149805E+22	7,556007E+21	4,387232E+21	2,703752E+21	2,703640E+21	4,386905E+21	7,555506E+21	
2089	1,149743E+22	1,515645E+22	1,741508E+22	1,741536E+22	1,515714E+22	1,149807E+22	7,555839E+21	4,387096E+21	2,703792E+21	2,703878E+21	4,387334E+21	7,556079E+21	
2090	1,149803E+22	1,515672E+22	1,741477E+22	1,741452E+22	1,515618E+22	1,149757E+22	7,555791E+21	4,387160E+21	2,703811E+21	2,703808E+21	4,387156E+21	7,555792E+21	
2091	1,149765E+22	1,515623E+22	1,741432E+22	1,741463E+22	1,515681E+22	1,149821E+22	7,556189E+21	4,387338E+21	2,703824E+21	2,703705E+21	4,386945E+21	7,555557E+21	
2092	1,149769E+22	1,515692E+22	1,741533E+22	1,741518E+22	1,515665E+22	1,149759E+22	7,555562E+21	4,386922E+21	2,703628E+21	2,703730E+21	4,387227E+21	7,556028E+21	
2093	1,149807E+22	1,515692E+22	1,741500E+22	1,741469E+22	1,515634E+22	1,149757E+22	7,555647E+21	4,386962E+21	2,703535E+21	2,703458E+21	4,386778E+21	7,555473E+21	
2094	1,149750E+22	1,515650E+22	1,741522E+22	1,741565E+22	1,515738E+22	1,149825E+22	7,555844E+21	4,386838E+21	2,703348E+21	2,703325E+21	4,386759E+21	7,555677E+21	
2095	1,149806E+22	1,515730E+22	1,741582E+22	1,741585E+22	1,515704E+22	1,149759E+22	7,555301E+21	4,386452E+21	2,703070E+21	2,703173E+21	4,386777E+21	7,555831E+21	
2096	1,149819E+22	1,515725E+22	1,741539E+22	1,741533E+22	1,515714E+22	1,149808E+22	7,555693E+21	4,386616E+21	2,702990E+21	2,702864E+21	4,386273E+21	7,555253E+21	
2097	1,149770E+22	1,515722E+22	1,741614E+22	1,741627E+22	1,515770E+22	1,149829E+22	7,555599E+21	4,386424E+21	2,702893E+21	2,702915E+21	4,386470E+21	7,555608E+21	
2098	1,149825E+22	1,515773E+22	1,741635E+22	1,741606E+22	1,515703E+22	1,149766E+22	7,555331E+21	4,386327E+21	2,702833E+21	2,702853E+21	4,386376E+21	7,555401E+21	
2099	1,149786E+22	1,515712E+22	1,741564E+22	1,741593E+22	1,515761E+22	1,149831E+22	7,555790E+21	4,386629E+21	2,702975E+21	2,702851E+21	4,386230E+21	7,555132E+21	
2100	1,149762E+22	1,515732E+22	1,741624E+22	1,741634E+22	1,515764E+22	1,149801E+22	7,555366E+21	4,386373E+21	2,702970E+21	2,703094E+21	4,386735E+21	7,555822E+21	
2101	1,149818E+22	1,515730E+22	1,741564E+22	1,741536E+22	1,515678E+22	1,149771E+22	7,555463E+21	4,386576E+21	2,703130E+21	2,703125E+21	4,386592E+21	7,555500E+21	
2102	1,149767E+22	1,515660E+22	1,741510E+22	1,741546E+22	1,515728E+22	1,149828E+22	7,555948E+21	4,386902E+21	2,703365E+21	2,703319E+21	4,386722E+21	7,555603E+21	
2103	1,149797E+22	1,515717E+22	1,741556E+22	1,741547E+22	1,515677E+22	1,149751E+22	7,555432E+21	4,386762E+21	2,703476E+21	2,703606E+21	4,387137E+21	7,555987E+21	
2104	1,149810E+22	1,515693E+22	1,741481E+22	1,741443E+22	1,515626E+22	1,149765E+22	7,555836E+21	4,387210E+21	2,703799E+21	2,703715E+21	4,386981E+21	7,555524E+21	
2105	1,149732E+22	1,515620E+22	1,741477E+22	1,741500E+22	1,515684E+22	1,149802E+22	7,556005E+21	4,387359E+21	2,704053E+21	2,704072E+21	4,387391E+21	7,555962E+21	
2106	1,149781E+22	1,515651E+22	1,741468E+22	1,741458E+22	1,515612E+22	1,149735E+22	7,555706E+21	4,387333E+21	2,704176E+21	2,704272E+21	4,387614E+21	7,556074E+21	
2107	1,149763E+22	1,515586E+22	1,741357E+22	1,741375E+22	1,515621E+22	1,149794E+22	7,556308E+21	4,387779E+21	2,704401E+21	2,704285E+21	4,387415E+21	7,555711E+21	
2108	1,149728E+22	1,515592E+22	1,741415E+22	1,741426E+22	1,515631E+22	1,149775E+22	7,556005E+21	4,387572E+21	2,704379E+21	2,704456E+21	4,387794E+21	7,556294E+21	
2109	1,149793E+22	1,515629E+22	1,741402E+22	1,741363E+22	1,515545E+22	1,149721E+22	7,555868E+21	4,387586E+21	2,704372E+21	2,704361E+21	4,387567E+21	7,555896E+21	
2110	1,149738E+22	1,515566E+22	1,741361E+22	1,741388E+22	1,515619E+22	1,149789E+22	7,556299E+21	4,387763E+21	2,704375E+21	2,704263E+21	4,387401E+21	7,555732E+21	
2111	1,149745E+22	1,515626E+22	1,741457E+22	1,741462E+22	1,515632E+22	1,149742E+22	7,555661E+21	4,387289E+21	2,704126E+21	2,704237E+21	4,387637E+21	7,556196E+21	
2112	1,149788E+22	1,515637E+22	1,741424E+22	1,741398E+22	1,515596E+22	1,149754E+22	7,555855E+21	4,387337E+21	2,703992E+21	2,703924E+21	4,387187E+21	7,555698E+21	

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2113	1,149734E+22	1,515591E+22	1,741437E+22	1,741481E+22	1,515683E+22	1,149810E+22	7,556061E+21	4,387282E+21	2,703862E+21	2,703818E+21	4,387143E+21	7,555859E+21
2114	1,149797E+22	1,515686E+22	1,741506E+22	1,741502E+22	1,515653E+22	1,149747E+22	7,555520E+21	4,386900E+21	2,703606E+21	2,703684E+21	4,387135E+21	7,555903E+21
2115	1,149795E+22	1,515673E+22	1,741465E+22	1,741447E+22	1,515656E+22	1,149793E+22	7,555933E+21	4,387109E+21	2,703576E+21	2,703432E+21	4,386685E+21	7,555326E+21
2116	1,149741E+22	1,515667E+22	1,741543E+22	1,741549E+22	1,515706E+22	1,149798E+22	7,555720E+21	4,386868E+21	2,703467E+21	2,703499E+21	4,386947E+21	7,555797E+21
2117	1,149800E+22	1,515707E+22	1,741550E+22	1,741528E+22	1,515650E+22	1,149739E+22	7,555403E+21	4,386749E+21	2,703422E+21	2,703464E+21	4,386883E+21	7,555616E+21
2118	1,149760E+22	1,515636E+22	1,741461E+22	1,741494E+22	1,515699E+22	1,149812E+22	7,555972E+21	4,387086E+21	2,703573E+21	2,703481E+21	4,386788E+21	7,555457E+21
2119	1,149752E+22	1,515663E+22	1,741518E+22	1,741536E+22	1,515704E+22	1,149780E+22	7,555555E+21	4,386834E+21	2,703552E+21	2,703678E+21	4,387208E+21	7,556065E+21
2120	1,149812E+22	1,515685E+22	1,741479E+22	1,741435E+22	1,515607E+22	1,149749E+22	7,555684E+21	4,387076E+21	2,703726E+21	2,703711E+21	4,387063E+21	7,555707E+21
2121	1,149748E+22	1,515603E+22	1,741427E+22	1,741451E+22	1,515650E+22	1,149794E+22	7,556131E+21	4,387460E+21	2,704050E+21	2,703980E+21	4,387216E+21	7,555760E+21
2122	1,149771E+22	1,515655E+22	1,741473E+22	1,741463E+22	1,515620E+22	1,149732E+22	7,555649E+21	4,387314E+21	2,704180E+21	2,704303E+21	4,387661E+21	7,556114E+21
2123	1,149771E+22	1,515613E+22	1,741384E+22	1,741354E+22	1,515574E+22	1,149754E+22	7,556108E+21	4,387782E+21	2,704510E+21	2,704430E+21	4,387546E+21	7,555719E+21
2124	1,149703E+22	1,515544E+22	1,741370E+22	1,741396E+22	1,515617E+22	1,149782E+22	7,556222E+21	4,387872E+21	2,704699E+21	2,704732E+21	4,387943E+21	7,556240E+21
2125	1,149766E+22	1,515585E+22	1,741365E+22	1,741354E+22	1,515545E+22	1,149713E+22	7,555891E+21	4,387831E+21	2,704795E+21	2,704884E+21	4,388092E+21	7,556263E+21
2126	1,149743E+22	1,515524E+22	1,741261E+22	1,741269E+22	1,515545E+22	1,149768E+22	7,556509E+21	4,388278E+21	2,705010E+21	2,704887E+21	4,387894E+21	7,555915E+21
2127	1,149710E+22	1,515530E+22	1,741330E+22	1,741344E+22	1,515570E+22	1,149749E+22	7,556157E+21	4,388023E+21	2,704944E+21	2,705008E+21	4,388209E+21	7,556423E+21
2128	1,149772E+22	1,515579E+22	1,741336E+22	1,741294E+22	1,515493E+22	1,149700E+22	7,556026E+21	4,388017E+21	2,704905E+21	2,704899E+21	4,388025E+21	7,556097E+21
2129	1,149713E+22	1,515499E+22	1,741279E+22	1,741315E+22	1,515566E+22	1,149764E+22	7,556417E+21	4,388201E+21	2,704944E+21	2,704834E+21	4,387875E+21	7,555976E+21
2130	1,149731E+22	1,515567E+22	1,741369E+22	1,741379E+22	1,515588E+22	1,149737E+22	7,555871E+21	4,387705E+21	2,704660E+21	2,704780E+21	4,388074E+21	7,556390E+21
2131	1,149774E+22	1,515584E+22	1,741342E+22	1,741309E+22	1,515541E+22	1,149744E+22	7,556095E+21	4,387781E+21	2,704519E+21	2,704443E+21	4,387578E+21	7,555838E+21
2132	1,149723E+22	1,515552E+22	1,741363E+22	1,741391E+22	1,515612E+22	1,149781E+22	7,556187E+21	4,387687E+21	2,704372E+21	2,704316E+21	4,387513E+21	7,555981E+21
2133	1,149781E+22	1,515644E+22	1,741443E+22	1,741430E+22	1,515596E+22	1,149720E+22	7,555603E+21	4,387301E+21	2,704135E+21	2,704202E+21	4,387503E+21	7,555948E+21
2134	1,149761E+22	1,515609E+22	1,741391E+22	1,741376E+22	1,515602E+22	1,149770E+22	7,556063E+21	4,387540E+21	2,704137E+21	2,704009E+21	4,387162E+21	7,555505E+21
2135	1,149711E+22	1,515585E+22	1,741448E+22	1,741479E+22	1,515666E+22	1,149784E+22	7,555869E+21	4,387283E+21	2,704014E+21	2,704058E+21	4,387409E+21	7,556004E+21
2136	1,149781E+22	1,515641E+22	1,741457E+22	1,741438E+22	1,515597E+22	1,149730E+22	7,555638E+21	4,387193E+21	2,703959E+21	2,704021E+21	4,387382E+21	7,555897E+21
2137	1,149746E+22	1,515569E+22	1,741358E+22	1,741388E+22	1,515623E+22	1,149785E+22	7,556177E+21	4,387604E+21	2,704194E+21	2,704086E+21	4,387272E+21	7,555703E+21
2138	1,149746E+22	1,515615E+22	1,741429E+22	1,741431E+22	1,515633E+22	1,149762E+22	7,555787E+21	4,387360E+21	2,704202E+21	2,704311E+21	4,387674E+21	7,556199E+21
2139	1,149789E+22	1,515632E+22	1,741401E+22	1,741341E+22	1,515536E+22	1,149727E+22	7,555926E+21	4,387639E+21	2,704416E+21	2,704388E+21	4,387563E+21	7,555835E+21
2140	1,149722E+22	1,515545E+22	1,741347E+22	1,741366E+22	1,515581E+22	1,149761E+22	7,556265E+21	4,387976E+21	2,704729E+21	2,704667E+21	4,387769E+21	7,555981E+21
2141	1,149746E+22	1,515585E+22	1,741381E+22	1,741381E+22	1,515569E+22	1,149711E+22	7,555783E+21	4,387814E+21	2,704855E+21	2,704989E+21	4,388214E+21	7,556335E+21
2142	1,149743E+22	1,515530E+22	1,741273E+22	1,741252E+22	1,515512E+22	1,149741E+22	7,556360E+21	4,388309E+21	2,705170E+21	2,705111E+21	4,388130E+21	7,556030E+21
2143	1,149688E+22	1,515467E+22	1,741259E+22	1,741297E+22	1,515553E+22	1,149764E+22	7,556462E+21	4,388384E+21	2,705314E+21	2,705333E+21	4,388413E+21	7,556437E+21
2144	1,149752E+22	1,515534E+22	1,741278E+22	1,741253E+22	1,515472E+22	1,149691E+22	7,556127E+21	4,388339E+21	2,705392E+21	2,705469E+21	4,388559E+21	7,556431E+21
2145	1,149718E+22	1,515461E+22	1,741177E+22	1,741178E+22	1,515469E+22	1,149734E+22	7,556671E+21	4,388796E+21	2,705650E+21	2,705508E+21	4,388367E+21	7,556073E+21
2146	1,149687E+22	1,515471E+22	1,741247E+22	1,741262E+22	1,515516E+22	1,149732E+22	7,556321E+21	4,388489E+21	2,705556E+21	2,705621E+21	4,388679E+21	7,556557E+21
2147	1,149741E+22	1,515509E+22	1,741247E+22	1,741213E+22	1,515446E+22	1,149690E+22	7,556229E+21	4,388471E+21	2,705485E+21	2,705486E+21	4,388493E+21	7,556296E+21
2148	1,149698E+22	1,515442E+22	1,741190E+22	1,741228E+22	1,515507E+22	1,149743E+22	7,556547E+21	4,388582E+21	2,705446E+21	2,705350E+21	4,388310E+21	7,556220E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2149	1,149727E+22	1,515523E+22	1,741290E+22	1,741296E+22	1,515532E+22	1,149716E+22	7,555991E+21	4,388092E+21	2,705148E+21	2,705255E+21	4,388431E+21	7,556508E+21
2150	1,149757E+22	1,515537E+22	1,741270E+22	1,741229E+22	1,515480E+22	1,149725E+22	7,556264E+21	4,388187E+21	2,705018E+21	2,704940E+21	4,387967E+21	7,555971E+21
2151	1,149703E+22	1,515497E+22	1,741296E+22	1,741329E+22	1,515562E+22	1,149761E+22	7,556332E+21	4,388079E+21	2,704863E+21	2,704798E+21	4,387867E+21	7,556042E+21
2152	1,149753E+22	1,515590E+22	1,741379E+22	1,741368E+22	1,515551E+22	1,149704E+22	7,555767E+21	4,387707E+21	2,704643E+21	2,704724E+21	4,387946E+21	7,556110E+21
2153	1,149731E+22	1,515534E+22	1,741297E+22	1,741297E+22	1,515548E+22	1,149750E+22	7,556215E+21	4,387989E+21	2,704720E+21	2,704599E+21	4,387659E+21	7,555767E+21
2154	1,149699E+22	1,515522E+22	1,741342E+22	1,741376E+22	1,515609E+22	1,149778E+22	7,556108E+21	4,387751E+21	2,704604E+21	2,704654E+21	4,387892E+21	7,556227E+21
2155	1,149768E+22	1,515586E+22	1,741361E+22	1,741334E+22	1,515526E+22	1,149713E+22	7,555896E+21	4,387716E+21	2,704582E+21	2,704629E+21	4,387847E+21	7,556098E+21
2156	1,149739E+22	1,515528E+22	1,741277E+22	1,741289E+22	1,515539E+22	1,149746E+22	7,556285E+21	4,388081E+21	2,704817E+21	2,704705E+21	4,387749E+21	7,555885E+21
2157	1,149730E+22	1,515568E+22	1,741359E+22	1,741353E+22	1,515565E+22	1,149727E+22	7,555891E+21	4,387853E+21	2,704854E+21	2,704958E+21	4,388159E+21	7,556305E+21
2158	1,149753E+22	1,515560E+22	1,741316E+22	1,741266E+22	1,515480E+22	1,149704E+22	7,556098E+21	4,388148E+21	2,705088E+21	2,705085E+21	4,388139E+21	7,556056E+21
2159	1,149689E+22	1,515457E+22	1,741242E+22	1,741285E+22	1,515536E+22	1,149751E+22	7,556486E+21	4,388474E+21	2,705372E+21	2,705320E+21	4,388296E+21	7,556191E+21
2160	1,149722E+22	1,515511E+22	1,741277E+22	1,741285E+22	1,515512E+22	1,149705E+22	7,556088E+21	4,388342E+21	2,705480E+21	2,705623E+21	4,388753E+21	7,556585E+21
2161	1,149721E+22	1,515454E+22	1,741158E+22	1,741142E+22	1,515434E+22	1,149716E+22	7,556619E+21	4,388891E+21	2,705854E+21	2,705769E+21	4,388645E+21	7,556265E+21
2162	1,149675E+22	1,515408E+22	1,741152E+22	1,741181E+22	1,515480E+22	1,149748E+22	7,556727E+21	4,388942E+21	2,705990E+21	2,705988E+21	4,388898E+21	7,556572E+21
2163	1,149725E+22	1,515473E+22	1,741192E+22	1,741159E+22	1,515399E+22	1,149667E+22	7,556357E+21	4,388882E+21	2,706053E+21	2,706119E+21	4,389054E+21	7,556596E+21
2164	1,149697E+22	1,515404E+22	1,741092E+22	1,741092E+22	1,515398E+22	1,149696E+22	7,556726E+21	4,389228E+21	2,706253E+21	2,706131E+21	4,388890E+21	7,556325E+21
2165	1,149672E+22	1,515415E+22	1,741164E+22	1,741183E+22	1,515463E+22	1,149708E+22	7,556405E+21	4,388884E+21	2,706109E+21	2,706193E+21	4,389156E+21	7,556780E+21
2166	1,149725E+22	1,515450E+22	1,741158E+22	1,741129E+22	1,515390E+22	1,149675E+22	7,556399E+21	4,388862E+21	2,705994E+21	2,706020E+21	4,388951E+21	7,556545E+21
2167	1,149690E+22	1,515392E+22	1,741111E+22	1,741153E+22	1,515454E+22	1,149726E+22	7,556712E+21	4,388964E+21	2,705912E+21	2,705799E+21	4,388636E+21	7,556318E+21
2168	1,149713E+22	1,515488E+22	1,741232E+22	1,741228E+22	1,515478E+22	1,149700E+22	7,556180E+21	4,388488E+21	2,705616E+21	2,705710E+21	4,388768E+21	7,556553E+21
2169	1,149725E+22	1,515478E+22	1,741200E+22	1,741164E+22	1,515423E+22	1,149700E+22	7,556420E+21	4,388634E+21	2,705565E+21	2,705468E+21	4,388361E+21	7,556063E+21
2170	1,149674E+22	1,515434E+22	1,741209E+22	1,741253E+22	1,515521E+22	1,149754E+22	7,556533E+21	4,388523E+21	2,705427E+21	2,705363E+21	4,388307E+21	7,556151E+21
2171	1,149718E+22	1,515515E+22	1,741283E+22	1,741285E+22	1,515502E+22	1,149698E+22	7,556019E+21	4,388176E+21	2,705219E+21	2,705306E+21	4,388418E+21	7,556331E+21
2172	1,149718E+22	1,515475E+22	1,741198E+22	1,741198E+22	1,515478E+22	1,149723E+22	7,556351E+21	4,388413E+21	2,705275E+21	2,705171E+21	4,388146E+21	7,556047E+21
2173	1,149697E+22	1,515480E+22	1,741258E+22	1,741281E+22	1,515537E+22	1,149747E+22	7,556235E+21	4,388201E+21	2,705178E+21	2,705222E+21	4,388335E+21	7,556402E+21
2174	1,149753E+22	1,515538E+22	1,741281E+22	1,741244E+22	1,515455E+22	1,149686E+22	7,556058E+21	4,388183E+21	2,705184E+21	2,705242E+21	4,388343E+21	7,556297E+21
2175	1,149719E+22	1,515472E+22	1,741206E+22	1,741222E+22	1,515481E+22	1,149720E+22	7,556433E+21	4,388540E+21	2,705415E+21	2,705305E+21	4,388214E+21	7,556023E+21
2176	1,149702E+22	1,515508E+22	1,741283E+22	1,741284E+22	1,515516E+22	1,149712E+22	7,556093E+21	4,388340E+21	2,705477E+21	2,705601E+21	4,388699E+21	7,556503E+21
2177	1,149719E+22	1,515474E+22	1,741208E+22	1,741178E+22	1,515425E+22	1,149690E+22	7,556345E+21	4,388697E+21	2,705779E+21	2,705781E+21	4,388718E+21	7,556341E+21
2178	1,149673E+22	1,515385E+22	1,741119E+22	1,741167E+22	1,515474E+22	1,149748E+22	7,556810E+21	4,389040E+21	2,706058E+21	2,706002E+21	4,388832E+21	7,556395E+21
2179	1,149698E+22	1,515442E+22	1,741165E+22	1,741167E+22	1,515433E+22	1,149687E+22	7,556410E+21	4,388950E+21	2,706183E+21	2,706294E+21	4,389248E+21	7,556774E+21
2180	1,149708E+22	1,515400E+22	1,741061E+22	1,741031E+22	1,515344E+22	1,149674E+22	7,556749E+21	4,389409E+21	2,706523E+21	2,706431E+21	4,389158E+21	7,556460E+21
2181	1,149657E+22	1,515356E+22	1,741072E+22	1,741092E+22	1,515403E+22	1,149707E+22	7,556822E+21	4,389431E+21	2,706636E+21	2,706633E+21	4,389400E+21	7,556719E+21
2182	1,149693E+22	1,515403E+22	1,741103E+22	1,741078E+22	1,515341E+22	1,149642E+22	7,556486E+21	4,389332E+21	2,706662E+21	2,706757E+21	4,389603E+21	7,556852E+21
2183	1,149673E+22	1,515334E+22	1,741005E+22	1,741019E+22	1,515351E+22	1,149680E+22	7,556866E+21	4,389612E+21	2,706772E+21	2,706668E+21	4,389336E+21	7,556535E+21
2184	1,149658E+22	1,515364E+22	1,741086E+22	1,741106E+22	1,515413E+22	1,149698E+22	7,556628E+21	4,389286E+21	2,706593E+21	2,706686E+21	4,389564E+21	7,556944E+21



1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2185	1,149706E+22	1,515393E+22	1,741073E+22	1,741049E+22	1,515335E+22	1,149657E+22	7,556610E+21	4,389318E+21	2,706528E+21	2,706524E+21	4,389322E+21	7,556669E+21
2186	1,149675E+22	1,515348E+22	1,741031E+22	1,741066E+22	1,515403E+22	1,149720E+22	7,556954E+21	4,389419E+21	2,706453E+21	2,706314E+21	4,388992E+21	7,556337E+21
2187	1,149677E+22	1,515429E+22	1,741161E+22	1,741158E+22	1,515427E+22	1,149686E+22	7,556424E+21	4,388972E+21	2,706183E+21	2,706251E+21	4,389162E+21	7,556653E+21
2188	1,149699E+22	1,515416E+22	1,741116E+22	1,741089E+22	1,515367E+22	1,149669E+22	7,556496E+21	4,389036E+21	2,706117E+21	2,706040E+21	4,388852E+21	7,556313E+21
2189	1,149659E+22	1,515374E+22	1,741118E+22	1,741167E+22	1,515465E+22	1,149731E+22	7,556653E+21	4,388924E+21	2,705966E+21	2,705930E+21	4,388800E+21	7,556413E+21
2190	1,149705E+22	1,515455E+22	1,741186E+22	1,741188E+22	1,515437E+22	1,149678E+22	7,556198E+21	4,388592E+21	2,705754E+21	2,705873E+21	4,388926E+21	7,556636E+21
2191	1,149713E+22	1,515430E+22	1,741120E+22	1,741111E+22	1,515409E+22	1,149695E+22	7,556476E+21	4,388809E+21	2,705792E+21	2,705689E+21	4,388549E+21	7,556213E+21
2192	1,149687E+22	1,515448E+22	1,741200E+22	1,741208E+22	1,515475E+22	1,149721E+22	7,556394E+21	4,388631E+21	2,705726E+21	2,705775E+21	4,388763E+21	7,556503E+21
2193	1,149723E+22	1,515476E+22	1,741205E+22	1,741176E+22	1,515399E+22	1,149659E+22	7,556218E+21	4,388682E+21	2,705821E+21	2,705871E+21	4,388827E+21	7,556443E+21
2194	1,149689E+22	1,515402E+22	1,741106E+22	1,741134E+22	1,515439E+22	1,149716E+22	7,556695E+21	4,389070E+21	2,706081E+21	2,705970E+21	4,388730E+21	7,556165E+21
2195	1,149663E+22	1,515422E+22	1,741174E+22	1,741189E+22	1,515464E+22	1,149708E+22	7,556443E+21	4,388921E+21	2,706160E+21	2,706270E+21	4,389219E+21	7,556731E+21
2196	1,149700E+22	1,515400E+22	1,741089E+22	1,741062E+22	1,515346E+22	1,149662E+22	7,556567E+21	4,389245E+21	2,706455E+21	2,706458E+21	4,389273E+21	7,556617E+21
2197	1,149662E+22	1,515329E+22	1,741015E+22	1,741050E+22	1,515390E+22	1,149715E+22	7,557019E+21	4,389596E+21	2,706735E+21	2,706667E+21	4,389351E+21	7,556585E+21
2198	1,149675E+22	1,515381E+22	1,741070E+22	1,741060E+22	1,515351E+22	1,149655E+22	7,556600E+21	4,389478E+21	2,706854E+21	2,706976E+21	4,389805E+21	7,556995E+21
2199	1,149682E+22	1,515337E+22	1,740983E+22	1,740951E+22	1,515275E+22	1,149639E+22	7,556853E+21	4,389865E+21	2,707137E+21	2,707055E+21	4,389657E+21	7,556648E+21
2200	1,149634E+22	1,515298E+22	1,740997E+22	1,741022E+22	1,515351E+22	1,149684E+22	7,556952E+21	4,389862E+21	2,707219E+21	2,707244E+21	4,389921E+21	7,556938E+21
2201	1,149667E+22	1,515328E+22	1,741004E+22	1,740995E+22	1,515292E+22	1,149627E+22	7,556682E+21	4,389795E+21	2,707254E+21	2,707355E+21	4,390102E+21	7,557120E+21
2202	1,149664E+22	1,515279E+22	1,740906E+22	1,740920E+22	1,515302E+22	1,149679E+22	7,557146E+21	4,390087E+21	2,707334E+21	2,707215E+21	4,389751E+21	7,556674E+21
2203	1,149637E+22	1,515311E+22	1,741006E+22	1,741019E+22	1,515354E+22	1,149686E+22	7,556924E+21	4,389798E+21	2,707162E+21	2,707207E+21	4,389917E+21	7,557038E+21
2204	1,149689E+22	1,515345E+22	1,740998E+22	1,740966E+22	1,515269E+22	1,149625E+22	7,556732E+21	4,389752E+21	2,707080E+21	2,707067E+21	4,389728E+21	7,556778E+21
2205	1,149651E+22	1,515298E+22	1,740961E+22	1,740993E+22	1,515347E+22	1,149690E+22	7,557064E+21	4,389840E+21	2,706996E+21	2,706864E+21	4,389427E+21	7,556452E+21
2206	1,149642E+22	1,515355E+22	1,741070E+22	1,741080E+22	1,515380E+22	1,149669E+22	7,556562E+21	4,389370E+21	2,706716E+21	2,706818E+21	4,389665E+21	7,556907E+21
2207	1,149677E+22	1,515349E+22	1,741030E+22	1,741011E+22	1,515318E+22	1,149652E+22	7,556620E+21	4,389383E+21	2,706587E+21	2,706536E+21	4,389287E+21	7,556570E+21
2208	1,149654E+22	1,515331E+22	1,741043E+22	1,741083E+22	1,515404E+22	1,149710E+22	7,556815E+21	4,389303E+21	2,706441E+21	2,706421E+21	4,389218E+21	7,556615E+21
2209	1,149692E+22	1,515406E+22	1,741105E+22	1,741101E+22	1,515374E+22	1,149655E+22	7,556378E+21	4,389044E+21	2,706300E+21	2,706402E+21	4,389337E+21	7,556815E+21
2210	1,149703E+22	1,515392E+22	1,741047E+22	1,741025E+22	1,515355E+22	1,149681E+22	7,556687E+21	4,389273E+21	2,706365E+21	2,706249E+21	4,388954E+21	7,556275E+21
2211	1,149653E+22	1,515388E+22	1,741129E+22	1,741137E+22	1,515422E+22	1,149703E+22	7,556642E+21	4,389162E+21	2,706359E+21	2,706381E+21	4,389204E+21	7,556632E+21
2212	1,149695E+22	1,515405E+22	1,741110E+22	1,741092E+22	1,515346E+22	1,149634E+22	7,556360E+21	4,389169E+21	2,706472E+21	2,706538E+21	4,389375E+21	7,556691E+21
2213	1,149668E+22	1,515333E+22	1,741001E+22	1,741032E+22	1,515375E+22	1,149696E+22	7,556920E+21	4,389594E+21	2,706739E+21	2,706645E+21	4,389291E+21	7,556419E+21
2214	1,149640E+22	1,515345E+22	1,741058E+22	1,741074E+22	1,515390E+22	1,149688E+22	7,556712E+21	4,389478E+21	2,706834E+21	2,706952E+21	4,389790E+21	7,557008E+21
2215	1,149682E+22	1,515339E+22	1,740996E+22	1,740957E+22	1,515266E+22	1,149629E+22	7,556739E+21	4,389755E+21	2,707096E+21	2,707093E+21	4,389765E+21	7,556806E+21
2216	1,149644E+22	1,515279E+22	1,740939E+22	1,740958E+22	1,515312E+22	1,149680E+22	7,557172E+21	4,390092E+21	2,707377E+21	2,707321E+21	4,389867E+21	7,556729E+21
2217	1,149640E+22	1,515306E+22	1,740978E+22	1,740976E+22	1,515288E+22	1,149626E+22	7,556762E+21	4,390002E+21	2,707529E+21	2,707653E+21	4,390350E+21	7,557213E+21
2218	1,149657E+22	1,515267E+22	1,740881E+22	1,740858E+22	1,515230E+22	1,149632E+22	7,557073E+21	4,390359E+21	2,707778E+21	2,707704E+21	4,390174E+21	7,556838E+21
2219	1,149604E+22	1,515223E+22	1,740899E+22	1,740933E+22	1,515301E+22	1,149677E+22	7,557256E+21	4,390394E+21	2,707841E+21	2,707843E+21	4,390384E+21	7,557172E+21
2220	1,149657E+22	1,515268E+22	1,740902E+22	1,740896E+22	1,515228E+22	1,149603E+22	7,556869E+21	4,390275E+21	2,707845E+21	2,707937E+21	4,390561E+21	7,557337E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2221	1,149655E+22	1,515235E+22	1,740825E+22	1,740826E+22	1,515235E+22	1,149654E+22	7,557344E+21	4,390565E+21	2,707903E+21	2,707771E+21	4,390172E+21	7,556797E+21
2222	1,149611E+22	1,515253E+22	1,740929E+22	1,740936E+22	1,515291E+22	1,149664E+22	7,557114E+21	4,390254E+21	2,707719E+21	2,707769E+21	4,390368E+21	7,557183E+21
2223	1,149659E+22	1,515286E+22	1,740933E+22	1,740900E+22	1,515214E+22	1,149597E+22	7,556820E+21	4,390131E+21	2,707584E+21	2,707585E+21	4,390153E+21	7,556948E+21
2224	1,149630E+22	1,515243E+22	1,740891E+22	1,740924E+22	1,515301E+22	1,149671E+22	7,557164E+21	4,390186E+21	2,707481E+21	2,707387E+21	4,389886E+21	7,556673E+21
2225	1,149623E+22	1,515287E+22	1,740975E+22	1,740993E+22	1,515330E+22	1,149654E+22	7,556725E+21	4,389764E+21	2,707220E+21	2,707336E+21	4,390112E+21	7,557182E+21
2226	1,149676E+22	1,515304E+22	1,740939E+22	1,740913E+22	1,515264E+22	1,149642E+22	7,556831E+21	4,389804E+21	2,707094E+21	2,707030E+21	4,389662E+21	7,556714E+21
2227	1,149640E+22	1,515290E+22	1,740977E+22	1,741004E+22	1,515344E+22	1,149689E+22	7,557036E+21	4,389782E+21	2,706990E+21	2,706921E+21	4,389557E+21	7,556722E+21
2228	1,149678E+22	1,515361E+22	1,741036E+22	1,741024E+22	1,515311E+22	1,149620E+22	7,556477E+21	4,389487E+21	2,706879E+21	2,706973E+21	4,389760E+21	7,556925E+21
2229	1,149677E+22	1,515338E+22	1,740978E+22	1,740953E+22	1,515301E+22	1,149655E+22	7,556842E+21	4,389750E+21	2,706972E+21	2,706864E+21	4,389440E+21	7,556406E+21
2230	1,149614E+22	1,515304E+22	1,741030E+22	1,741052E+22	1,515374E+22	1,149692E+22	7,556865E+21	4,389657E+21	2,706990E+21	2,707035E+21	4,389755E+21	7,556862E+21
2231	1,149664E+22	1,515326E+22	1,741011E+22	1,740998E+22	1,515288E+22	1,149617E+22	7,556568E+21	4,389644E+21	2,707074E+21	2,707154E+21	4,389886E+21	7,556941E+21
2232	1,149653E+22	1,515272E+22	1,740907E+22	1,740928E+22	1,515306E+22	1,149674E+22	7,557142E+21	4,390096E+21	2,707361E+21	2,707275E+21	4,389802E+21	7,556629E+21
2233	1,149618E+22	1,515275E+22	1,740951E+22	1,740964E+22	1,515316E+22	1,149663E+22	7,556940E+21	4,390036E+21	2,707511E+21	2,707612E+21	4,390308E+21	7,557229E+21
2234	1,149666E+22	1,515282E+22	1,740900E+22	1,740853E+22	1,515199E+22	1,149609E+22	7,556969E+21	4,390307E+21	2,707779E+21	2,707763E+21	4,390278E+21	7,556959E+21
2235	1,149612E+22	1,515210E+22	1,740855E+22	1,740876E+22	1,515250E+22	1,149654E+22	7,557390E+21	4,390661E+21	2,708070E+21	2,707991E+21	4,390391E+21	7,556969E+21
2236	1,149621E+22	1,515232E+22	1,740875E+22	1,740881E+22	1,515228E+22	1,149599E+22	7,556898E+21	4,390494E+21	2,708196E+21	2,708342E+21	4,390932E+21	7,557520E+21
2237	1,149646E+22	1,515208E+22	1,740785E+22	1,740757E+22	1,515165E+22	1,149613E+22	7,557295E+21	4,390853E+21	2,708396E+21	2,708343E+21	4,390708E+21	7,557096E+21
2238	1,149589E+22	1,515161E+22	1,740800E+22	1,740830E+22	1,515234E+22	1,149659E+22	7,557502E+21	4,390900E+21	2,708446E+21	2,708444E+21	4,390862E+21	7,557372E+21
2239	1,149640E+22	1,515221E+22	1,740833E+22	1,740812E+22	1,515164E+22	1,149577E+22	7,557013E+21	4,390711E+21	2,708390E+21	2,708466E+21	4,390948E+21	7,557443E+21
2240	1,149634E+22	1,515191E+22	1,740767E+22	1,740756E+22	1,515176E+22	1,149626E+22	7,557457E+21	4,390968E+21	2,708432E+21	2,708308E+21	4,390579E+21	7,556870E+21
2241	1,149574E+22	1,515177E+22	1,740842E+22	1,740863E+22	1,515244E+22	1,149645E+22	7,557265E+21	4,390687E+21	2,708267E+21	2,708314E+21	4,390808E+21	7,557355E+21
2242	1,149634E+22	1,515217E+22	1,740837E+22	1,740817E+22	1,515177E+22	1,149594E+22	7,557011E+21	4,390535E+21	2,708098E+21	2,708103E+21	4,390573E+21	7,557114E+21
2243	1,149606E+22	1,515178E+22	1,740804E+22	1,740841E+22	1,515247E+22	1,149658E+22	7,557398E+21	4,390632E+21	2,707994E+21	2,707873E+21	4,390269E+21	7,556897E+21
2244	1,149620E+22	1,515238E+22	1,740886E+22	1,740898E+22	1,515264E+22	1,149627E+22	7,556860E+21	4,390183E+21	2,707743E+21	2,707850E+21	4,390514E+21	7,557376E+21
2245	1,149672E+22	1,515272E+22	1,740875E+22	1,740828E+22	1,515196E+22	1,149615E+22	7,556980E+21	4,390231E+21	2,707624E+21	2,707558E+21	4,390059E+21	7,556822E+21
2246	1,149616E+22	1,515238E+22	1,740909E+22	1,740931E+22	1,515286E+22	1,149665E+22	7,557192E+21	4,390233E+21	2,707559E+21	2,707492E+21	4,390003E+21	7,556844E+21
2247	1,149646E+22	1,515300E+22	1,740972E+22	1,740962E+22	1,515265E+22	1,149596E+22	7,556569E+21	4,389896E+21	2,707434E+21	2,707539E+21	4,390216E+21	7,557096E+21
2248	1,149652E+22	1,515272E+22	1,740897E+22	1,740879E+22	1,515255E+22	1,149641E+22	7,556993E+21	4,390170E+21	2,707548E+21	2,707478E+21	4,389960E+21	7,556633E+21
2249	1,149588E+22	1,515220E+22	1,740914E+22	1,740949E+22	1,515317E+22	1,149682E+22	7,557132E+21	4,390174E+21	2,707614E+21	2,707664E+21	4,390283E+21	7,557142E+21
2250	1,149653E+22	1,515265E+22	1,740899E+22	1,740882E+22	1,515222E+22	1,149606E+22	7,556852E+21	4,390194E+21	2,707723E+21	2,707784E+21	4,390369E+21	7,557118E+21
2251	1,149632E+22	1,515215E+22	1,740820E+22	1,740827E+22	1,515227E+22	1,149647E+22	7,557395E+21	4,390683E+21	2,708049E+21	2,707919E+21	4,390274E+21	7,556820E+21
2252	1,149602E+22	1,515213E+22	1,740857E+22	1,740862E+22	1,515236E+22	1,149623E+22	7,557064E+21	4,390571E+21	2,708215E+21	2,708317E+21	4,390861E+21	7,557439E+21
2253	1,149643E+22	1,515218E+22	1,740811E+22	1,740762E+22	1,515131E+22	1,149578E+22	7,557130E+21	4,390831E+21	2,708463E+21	2,708470E+21	4,390858E+21	7,557191E+21
2254	1,149583E+22	1,515130E+22	1,740751E+22	1,740783E+22	1,515193E+22	1,149637E+22	7,557594E+21	4,391173E+21	2,708735E+21	2,708678E+21	4,390973E+21	7,557246E+21
2255	1,149600E+22	1,515166E+22	1,740784E+22	1,740786E+22	1,515165E+22	1,149579E+22	7,557089E+21	4,390967E+21	2,708792E+21	2,708943E+21	4,391419E+21	7,557756E+21
2256	1,149635E+22	1,515158E+22	1,740706E+22	1,740669E+22	1,515102E+22	1,149594E+22	7,557494E+21	4,391317E+21	2,708976E+21	2,708924E+21	4,391152E+21	7,557239E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2257	1,149566E+22	1,515099E+22	1,740711E+22	1,740739E+22	1,515172E+22	1,149641E+22	7,557724E+21	4,391396E+21	2,709038E+21	2,709013E+21	4,391281E+21	7,557482E+21
2258	1,149615E+22	1,515163E+22	1,740748E+22	1,740728E+22	1,515112E+22	1,149564E+22	7,557230E+21	4,391192E+21	2,708968E+21	2,709023E+21	4,391352E+21	7,557506E+21
2259	1,149597E+22	1,515121E+22	1,740691E+22	1,740689E+22	1,515127E+22	1,149609E+22	7,557647E+21	4,391440E+21	2,709002E+21	2,708850E+21	4,391004E+21	7,557070E+21
2260	1,149555E+22	1,515105E+22	1,740738E+22	1,740773E+22	1,515189E+22	1,149624E+22	7,557378E+21	4,391090E+21	2,708815E+21	2,708880E+21	4,391290E+21	7,557626E+21
2261	1,149628E+22	1,515165E+22	1,740748E+22	1,740722E+22	1,515111E+22	1,149574E+22	7,557198E+21	4,390948E+21	2,708609E+21	2,708633E+21	4,391022E+21	7,557353E+21
2262	1,149599E+22	1,515131E+22	1,740724E+22	1,740751E+22	1,515180E+22	1,149634E+22	7,557551E+21	4,391052E+21	2,708514E+21	2,708391E+21	4,390681E+21	7,557065E+21
2263	1,149607E+22	1,515204E+22	1,740834E+22	1,740826E+22	1,515200E+22	1,149597E+22	7,556936E+21	4,390554E+21	2,708235E+21	2,708337E+21	4,390872E+21	7,557467E+21
2264	1,149653E+22	1,515234E+22	1,740828E+22	1,740774E+22	1,515147E+22	1,149590E+22	7,557056E+21	4,390594E+21	2,708134E+21	2,708089E+21	4,390461E+21	7,556892E+21
2265	1,149580E+22	1,515163E+22	1,740823E+22	1,740863E+22	1,515248E+22	1,149654E+22	7,557363E+21	4,390667E+21	2,708118E+21	2,708057E+21	4,390456E+21	7,557007E+21
2266	1,149618E+22	1,515226E+22	1,740868E+22	1,740877E+22	1,515229E+22	1,149599E+22	7,556832E+21	4,390367E+21	2,708011E+21	2,708113E+21	4,390670E+21	7,557266E+21
2267	1,149626E+22	1,515199E+22	1,740798E+22	1,740787E+22	1,515196E+22	1,149630E+22	7,557298E+21	4,390717E+21	2,708164E+21	2,708060E+21	4,390424E+21	7,556895E+21
2268	1,149580E+22	1,515154E+22	1,740801E+22	1,740833E+22	1,515238E+22	1,149655E+22	7,557341E+21	4,390713E+21	2,708275E+21	2,708313E+21	4,390795E+21	7,557376E+21
2269	1,149643E+22	1,515216E+22	1,740813E+22	1,740775E+22	1,515136E+22	1,149575E+22	7,557069E+21	4,390739E+21	2,708395E+21	2,708462E+21	4,390906E+21	7,557312E+21
2270	1,149608E+22	1,515152E+22	1,740732E+22	1,740733E+22	1,515150E+22	1,149613E+22	7,557554E+21	4,391223E+21	2,708745E+21	2,708626E+21	4,390846E+21	7,557029E+21
2271	1,149574E+22	1,515151E+22	1,740778E+22	1,740780E+22	1,515172E+22	1,149592E+22	7,557154E+21	4,391040E+21	2,708865E+21	2,708989E+21	4,391416E+21	7,557694E+21
2272	1,149626E+22	1,515156E+22	1,740726E+22	1,740681E+22	1,515076E+22	1,149558E+22	7,557260E+21	4,391272E+21	2,709088E+21	2,709133E+21	4,391407E+21	7,557435E+21
2273	1,149562E+22	1,515055E+22	1,740640E+22	1,740680E+22	1,515133E+22	1,149626E+22	7,557858E+21	4,391695E+21	2,709367E+21	2,709304E+21	4,391474E+21	7,557479E+21
2274	1,149587E+22	1,515109E+22	1,740684E+22	1,740687E+22	1,515108E+22	1,149571E+22	7,557377E+21	4,391505E+21	2,709417E+21	2,709529E+21	4,391831E+21	7,557841E+21
2275	1,149606E+22	1,515099E+22	1,740629E+22	1,740588E+22	1,515037E+22	1,149573E+22	7,557750E+21	4,391868E+21	2,709608E+21	2,709502E+21	4,391564E+21	7,557354E+21
2276	1,149538E+22	1,515027E+22	1,740614E+22	1,740650E+22	1,515107E+22	1,149613E+22	7,557877E+21	4,391890E+21	2,709669E+21	2,709639E+21	4,391765E+21	7,557624E+21
2277	1,149585E+22	1,515094E+22	1,740657E+22	1,740642E+22	1,515052E+22	1,149543E+22	7,557408E+21	4,391646E+21	2,709555E+21	2,709633E+21	4,391860E+21	7,557708E+21
2278	1,149569E+22	1,515044E+22	1,740588E+22	1,740598E+22	1,515070E+22	1,149591E+22	7,557813E+21	4,391864E+21	2,709554E+21	2,709425E+21	4,391500E+21	7,557322E+21
2279	1,149543E+22	1,515055E+22	1,740657E+22	1,740683E+22	1,515123E+22	1,149599E+22	7,557491E+21	4,391457E+21	2,709294E+21	2,709370E+21	4,391698E+21	7,557854E+21
2280	1,149627E+22	1,515133E+22	1,740684E+22	1,740648E+22	1,515052E+22	1,149549E+22	7,557286E+21	4,391292E+21	2,709078E+21	2,709114E+21	4,391394E+21	7,557485E+21
2281	1,149584E+22	1,515086E+22	1,740654E+22	1,740678E+22	1,515126E+22	1,149615E+22	7,557705E+21	4,391448E+21	2,709010E+21	2,708880E+21	4,391053E+21	7,557178E+21
2282	1,149587E+22	1,515157E+22	1,740766E+22	1,740764E+22	1,515160E+22	1,149586E+22	7,557122E+21	4,390976E+21	2,708754E+21	2,708840E+21	4,391239E+21	7,557522E+21
2283	1,149618E+22	1,515169E+22	1,740759E+22	1,740720E+22	1,515108E+22	1,149579E+22	7,557258E+21	4,391049E+21	2,708690E+21	2,708625E+21	4,390893E+21	7,557100E+21
2284	1,149561E+22	1,515089E+22	1,740713E+22	1,740768E+22	1,515194E+22	1,149641E+22	7,557560E+21	4,391124E+21	2,708711E+21	2,708666E+21	4,390963E+21	7,557255E+21
2285	1,149606E+22	1,515166E+22	1,740767E+22	1,740769E+22	1,515155E+22	1,149582E+22	7,557111E+21	4,390878E+21	2,708620E+21	2,708731E+21	4,391176E+21	7,557498E+21
2286	1,149611E+22	1,515141E+22	1,740702E+22	1,740683E+22	1,515116E+22	1,149601E+22	7,557506E+21	4,391250E+21	2,708817E+21	2,708703E+21	4,390928E+21	7,557083E+21
2287	1,149562E+22	1,515111E+22	1,740728E+22	1,740738E+22	1,515153E+22	1,149614E+22	7,557445E+21	4,391192E+21	2,708909E+21	2,708947E+21	4,391284E+21	7,557539E+21
2288	1,149621E+22	1,515164E+22	1,740742E+22	1,740700E+22	1,515071E+22	1,149541E+22	7,557152E+21	4,391194E+21	2,709037E+21	2,709132E+21	4,391440E+21	7,557477E+21
2289	1,149574E+22	1,515072E+22	1,740632E+22	1,740649E+22	1,515098E+22	1,149595E+22	7,557720E+21	4,391705E+21	2,709393E+21	2,709293E+21	4,391399E+21	7,557270E+21
2290	1,149550E+22	1,515074E+22	1,740667E+22	1,740686E+22	1,515124E+22	1,149587E+22	7,557430E+21	4,391561E+21	2,709507E+21	2,709626E+21	4,391913E+21	7,557879E+21
2291	1,149600E+22	1,515085E+22	1,740628E+22	1,740592E+22	1,515018E+22	1,149548E+22	7,557579E+21	4,391846E+21	2,709739E+21	2,709743E+21	4,391879E+21	7,557664E+21
2292	1,149549E+22	1,514989E+22	1,740528E+22	1,740570E+22	1,515061E+22	1,149605E+22	7,558099E+21	4,392251E+21	2,710042E+21	2,709957E+21	4,391963E+21	7,557635E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2293	1,149565E+22	1,515053E+22	1,740597E+22	1,740587E+22	1,515030E+22	1,149548E+22	7,557651E+21	4,392058E+21	2,710076E+21	2,710181E+21	4,392329E+21	7,557974E+21
2294	1,149572E+22	1,515026E+22	1,740538E+22	1,740504E+22	1,514970E+22	1,149545E+22	7,557928E+21	4,392381E+21	2,710255E+21	2,710153E+21	4,392092E+21	7,557537E+21
2295	1,149509E+22	1,514962E+22	1,740527E+22	1,740564E+22	1,515044E+22	1,149584E+22	7,557955E+21	4,392291E+21	2,710231E+21	2,710230E+21	4,392275E+21	7,557887E+21
2296	1,149572E+22	1,515037E+22	1,740570E+22	1,740559E+22	1,514997E+22	1,149523E+22	7,557502E+21	4,391995E+21	2,710061E+21	2,710184E+21	4,392340E+21	7,557967E+21
2297	1,149560E+22	1,514990E+22	1,740495E+22	1,740504E+22	1,515009E+22	1,149574E+22	7,557977E+21	4,392249E+21	2,710041E+21	2,709919E+21	4,391912E+21	7,557551E+21
2298	1,149542E+22	1,515021E+22	1,740585E+22	1,740603E+22	1,515069E+22	1,149583E+22	7,557675E+21	4,391868E+21	2,709784E+21	2,709828E+21	4,392012E+21	7,557913E+21
2299	1,149607E+22	1,515096E+22	1,740636E+22	1,740596E+22	1,515004E+22	1,149529E+22	7,557458E+21	4,391719E+21	2,709582E+21	2,709577E+21	4,391725E+21	7,557574E+21
2300	1,149560E+22	1,515029E+22	1,740577E+22	1,740611E+22	1,515079E+22	1,149595E+22	7,557843E+21	4,391870E+21	2,709557E+21	2,709425E+21	4,391470E+21	7,557280E+21
2301	1,149556E+22	1,515093E+22	1,740686E+22	1,740691E+22	1,515112E+22	1,149577E+22	7,557361E+21	4,391421E+21	2,709309E+21	2,709408E+21	4,391700E+21	7,557680E+21
2302	1,149587E+22	1,515092E+22	1,740657E+22	1,740632E+22	1,515054E+22	1,149567E+22	7,557501E+21	4,391526E+21	2,709274E+21	2,709219E+21	4,391387E+21	7,557314E+21
2303	1,149544E+22	1,515035E+22	1,740620E+22	1,740667E+22	1,515122E+22	1,149617E+22	7,557736E+21	4,391577E+21	2,709278E+21	2,709237E+21	4,391430E+21	7,557480E+21
2304	1,149596E+22	1,515122E+22	1,740687E+22	1,740678E+22	1,515084E+22	1,149553E+22	7,557230E+21	4,391316E+21	2,709208E+21	2,709332E+21	4,391646E+21	7,557661E+21
2305	1,149590E+22	1,515082E+22	1,740613E+22	1,740590E+22	1,515045E+22	1,149572E+22	7,557664E+21	4,391730E+21	2,709438E+21	2,709329E+21	4,391427E+21	7,557270E+21
2306	1,149540E+22	1,515051E+22	1,740643E+22	1,740661E+22	1,515098E+22	1,149591E+22	7,557622E+21	4,391693E+21	2,709548E+21	2,709580E+21	4,391774E+21	7,557689E+21
2307	1,149589E+22	1,515091E+22	1,740654E+22	1,740630E+22	1,515024E+22	1,149525E+22	7,557352E+21	4,391707E+21	2,709689E+21	2,709777E+21	4,391979E+21	7,557763E+21
2308	1,149556E+22	1,514994E+22	1,740512E+22	1,740541E+22	1,515036E+22	1,149581E+22	7,557964E+21	4,392234E+21	2,710069E+21	2,709983E+21	4,391972E+21	7,557549E+21
2309	1,149537E+22	1,515014E+22	1,740563E+22	1,740573E+22	1,515046E+22	1,149572E+22	7,557771E+21	4,392141E+21	2,710187E+21	2,710300E+21	4,392443E+21	7,558083E+21
2310	1,149579E+22	1,515021E+22	1,740528E+22	1,740489E+22	1,514942E+22	1,149522E+22	7,557838E+21	4,392430E+21	2,710441E+21	2,710426E+21	4,392389E+21	7,557801E+21
2311	1,149523E+22	1,514937E+22	1,740447E+22	1,740473E+22	1,514984E+22	1,149570E+22	7,558237E+21	4,392747E+21	2,710688E+21	2,710604E+21	4,392463E+21	7,557783E+21
2312	1,149536E+22	1,514989E+22	1,740514E+22	1,740509E+22	1,514970E+22	1,149519E+22	7,557740E+21	4,392496E+21	2,710686E+21	2,710815E+21	4,392841E+21	7,558147E+21
2313	1,149539E+22	1,514945E+22	1,740433E+22	1,740414E+22	1,514918E+22	1,149527E+22	7,558085E+21	4,392809E+21	2,710822E+21	2,710743E+21	4,392603E+21	7,557808E+21
2314	1,149495E+22	1,514898E+22	1,740427E+22	1,740474E+22	1,514992E+22	1,149571E+22	7,558173E+21	4,392723E+21	2,710755E+21	2,710748E+21	4,392691E+21	7,558083E+21
2315	1,149559E+22	1,514987E+22	1,740493E+22	1,740483E+22	1,514943E+22	1,149508E+22	7,557720E+21	4,392439E+21	2,710568E+21	2,710657E+21	4,392720E+21	7,558183E+21
2316	1,149555E+22	1,514949E+22	1,740415E+22	1,740416E+22	1,514948E+22	1,149552E+22	7,558137E+21	4,392670E+21	2,710568E+21	2,710433E+21	4,392295E+21	7,557672E+21
2317	1,149526E+22	1,514985E+22	1,740528E+22	1,740529E+22	1,515007E+22	1,149564E+22	7,557905E+21	4,392314E+21	2,710318E+21	2,710353E+21	4,392401E+21	7,557984E+21
2318	1,149574E+22	1,515035E+22	1,740567E+22	1,740540E+22	1,514962E+22	1,149509E+22	7,557620E+21	4,392162E+21	2,710141E+21	2,710134E+21	4,392157E+21	7,557686E+21
2319	1,149531E+22	1,514972E+22	1,740499E+22	1,740537E+22	1,515031E+22	1,149574E+22	7,557941E+21	4,392244E+21	2,710077E+21	2,709971E+21	4,391933E+21	7,557494E+21
2320	1,149537E+22	1,515031E+22	1,740596E+22	1,740608E+22	1,515061E+22	1,149562E+22	7,557510E+21	4,391807E+21	2,709828E+21	2,709956E+21	4,392160E+21	7,557897E+21
2321	1,149571E+22	1,515031E+22	1,740557E+22	1,740532E+22	1,514990E+22	1,149548E+22	7,557702E+21	4,391968E+21	2,709815E+21	2,709764E+21	4,391840E+21	7,557544E+21
2322	1,149534E+22	1,514988E+22	1,740535E+22	1,740573E+22	1,515054E+22	1,149591E+22	7,557928E+21	4,392055E+21	2,709856E+21	2,709791E+21	4,391835E+21	7,557586E+21
2323	1,149571E+22	1,515070E+22	1,740618E+22	1,740606E+22	1,515024E+22	1,149526E+22	7,557409E+21	4,391809E+21	2,709814E+21	2,709919E+21	4,392110E+21	7,557846E+21
2324	1,149564E+22	1,515014E+22	1,740517E+22	1,740502E+22	1,514986E+22	1,149546E+22	7,557801E+21	4,392212E+21	2,710089E+21	2,709997E+21	4,391968E+21	7,557477E+21
2325	1,149514E+22	1,514982E+22	1,740547E+22	1,740567E+22	1,515037E+22	1,149577E+22	7,557888E+21	4,392216E+21	2,710210E+21	2,710257E+21	4,392330E+21	7,557923E+21
2326	1,149562E+22	1,515012E+22	1,740544E+22	1,740532E+22	1,514964E+22	1,149510E+22	7,557632E+21	4,392267E+21	2,710370E+21	2,710458E+21	4,392524E+21	7,557991E+21
2327	1,149539E+22	1,514939E+22	1,740414E+22	1,740431E+22	1,514959E+22	1,149555E+22	7,558178E+21	4,392760E+21	2,710721E+21	2,710634E+21	4,392489E+21	7,557767E+21
2328	1,149520E+22	1,514960E+22	1,740477E+22	1,740478E+22	1,514974E+22	1,149546E+22	7,557957E+21	4,392655E+21	2,710841E+21	2,710951E+21	4,392936E+21	7,558222E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2329	1,149549E+22	1,514954E+22	1,740435E+22	1,740392E+22	1,514873E+22	1,149496E+22	7,558045E+21	4,392953E+21	2,711090E+21	2,711076E+21	4,392913E+21	7,557994E+21
2330	1,149496E+22	1,514868E+22	1,740354E+22	1,740390E+22	1,514928E+22	1,149546E+22	7,558416E+21	4,393247E+21	2,711316E+21	2,711226E+21	4,392955E+21	7,557959E+21
2331	1,149506E+22	1,514916E+22	1,740422E+22	1,740431E+22	1,514923E+22	1,149503E+22	7,557923E+21	4,392960E+21	2,711273E+21	2,711402E+21	4,393351E+21	7,558452E+21
2332	1,149527E+22	1,514876E+22	1,740321E+22	1,740308E+22	1,514855E+22	1,149509E+22	7,558276E+21	4,393258E+21	2,711397E+21	2,711329E+21	4,393096E+21	7,558081E+21
2333	1,149491E+22	1,514856E+22	1,740348E+22	1,740376E+22	1,514918E+22	1,149550E+22	7,558430E+21	4,393202E+21	2,711316E+21	2,711293E+21	4,393110E+21	7,558247E+21
2334	1,149543E+22	1,514942E+22	1,740424E+22	1,740405E+22	1,514883E+22	1,149482E+22	7,557901E+21	4,392910E+21	2,711139E+21	2,711203E+21	4,393105E+21	7,558248E+21
2335	1,149532E+22	1,514912E+22	1,740360E+22	1,740347E+22	1,514891E+22	1,149523E+22	7,558223E+21	4,393057E+21	2,711088E+21	2,710959E+21	4,392698E+21	7,557767E+21
2336	1,149496E+22	1,514929E+22	1,740464E+22	1,740475E+22	1,514969E+22	1,149544E+22	7,557978E+21	4,392672E+21	2,710823E+21	2,710877E+21	4,392813E+21	7,558089E+21
2337	1,149539E+22	1,514956E+22	1,740470E+22	1,740460E+22	1,514923E+22	1,149500E+22	7,557796E+21	4,392547E+21	2,710640E+21	2,710654E+21	4,392603E+21	7,557906E+21
2338	1,149513E+22	1,514905E+22	1,740401E+22	1,740449E+22	1,514982E+22	1,149564E+22	7,558173E+21	4,392672E+21	2,710581E+21	2,710465E+21	4,392326E+21	7,557670E+21
2339	1,149520E+22	1,514974E+22	1,740510E+22	1,740523E+22	1,515006E+22	1,149545E+22	7,557726E+21	4,392265E+21	2,710355E+21	2,710459E+21	4,392572E+21	7,558120E+21
2340	1,149559E+22	1,514978E+22	1,740465E+22	1,740429E+22	1,514919E+22	1,149521E+22	7,557875E+21	4,392438E+21	2,710405E+21	2,710350E+21	4,392303E+21	7,557729E+21
2341	1,149519E+22	1,514943E+22	1,740467E+22	1,740484E+22	1,514978E+22	1,149562E+22	7,558144E+21	4,392560E+21	2,710479E+21	2,710415E+21	4,392327E+21	7,557748E+21
2342	1,149542E+22	1,515002E+22	1,740534E+22	1,740530E+22	1,514969E+22	1,149501E+22	7,557572E+21	4,392317E+21	2,710473E+21	2,710585E+21	4,392643E+21	7,558044E+21
2343	1,149542E+22	1,514956E+22	1,740428E+22	1,740409E+22	1,514926E+22	1,149523E+22	7,557929E+21	4,392655E+21	2,710707E+21	2,710652E+21	4,392527E+21	7,557762E+21
2344	1,149499E+22	1,514920E+22	1,740451E+22	1,740470E+22	1,514976E+22	1,149558E+22	7,558072E+21	4,392696E+21	2,710833E+21	2,710895E+21	4,392844E+21	7,558149E+21
2345	1,149544E+22	1,514947E+22	1,740440E+22	1,740425E+22	1,514897E+22	1,149490E+22	7,557887E+21	4,392810E+21	2,711020E+21	2,711096E+21	4,393026E+21	7,558198E+21
2346	1,149521E+22	1,514881E+22	1,740327E+22	1,740338E+22	1,514891E+22	1,149530E+22	7,558420E+21	4,393321E+21	2,711387E+21	2,711267E+21	4,392945E+21	7,557865E+21
2347	1,149485E+22	1,514890E+22	1,740395E+22	1,740401E+22	1,514918E+22	1,149523E+22	7,558177E+21	4,393206E+21	2,711502E+21	2,711594E+21	4,393448E+21	7,558405E+21
2348	1,149514E+22	1,514870E+22	1,740325E+22	1,740294E+22	1,514813E+22	1,149475E+22	7,558231E+21	4,393473E+21	2,711763E+21	2,711761E+21	4,393480E+21	7,558238E+21
2349	1,149471E+22	1,514795E+22	1,740251E+22	1,740283E+22	1,514858E+22	1,149530E+22	7,558684E+21	4,393766E+21	2,711958E+21	2,711877E+21	4,393496E+21	7,558218E+21
2350	1,149486E+22	1,514844E+22	1,740318E+22	1,740332E+22	1,514861E+22	1,149486E+22	7,558167E+21	4,393475E+21	2,711892E+21	2,712011E+21	4,393831E+21	7,558670E+21
2351	1,149521E+22	1,514839E+22	1,740243E+22	1,740210E+22	1,514783E+22	1,149479E+22	7,558389E+21	4,393675E+21	2,711944E+21	2,711879E+21	4,393529E+21	7,558273E+21
2352	1,149481E+22	1,514819E+22	1,740286E+22	1,740302E+22	1,514858E+22	1,149522E+22	7,558524E+21	4,393603E+21	2,711842E+21	2,711813E+21	4,393493E+21	7,558340E+21
2353	1,149517E+22	1,514888E+22	1,740355E+22	1,740338E+22	1,514837E+22	1,149462E+22	7,558044E+21	4,393313E+21	2,711647E+21	2,711713E+21	4,393509E+21	7,558375E+21
2354	1,149505E+22	1,514849E+22	1,740290E+22	1,740289E+22	1,514854E+22	1,149507E+22	7,558359E+21	4,393448E+21	2,711586E+21	2,711454E+21	4,393086E+21	7,557892E+21
2355	1,149466E+22	1,514857E+22	1,740379E+22	1,740407E+22	1,514935E+22	1,149539E+22	7,558176E+21	4,393066E+21	2,711306E+21	2,711364E+21	4,393239E+21	7,558326E+21
2356	1,149522E+22	1,514889E+22	1,740364E+22	1,740356E+22	1,514863E+22	1,149488E+22	7,558011E+21	4,392977E+21	2,711163E+21	2,711184E+21	4,393045E+21	7,558141E+21
2357	1,149507E+22	1,514863E+22	1,740321E+22	1,740343E+22	1,514903E+22	1,149542E+22	7,558416E+21	4,393152E+21	2,711142E+21	2,711009E+21	4,392741E+21	7,557830E+21
2358	1,149504E+22	1,514924E+22	1,740435E+22	1,740438E+22	1,514939E+22	1,149516E+22	7,557895E+21	4,392757E+21	2,710960E+21	2,711042E+21	4,392994E+21	7,558225E+21
2359	1,149540E+22	1,514936E+22	1,740399E+22	1,740350E+22	1,514852E+22	1,149484E+22	7,557928E+21	4,392849E+21	2,710982E+21	2,710951E+21	4,392788E+21	7,557909E+21
2360	1,149494E+22	1,514884E+22	1,740394E+22	1,740416E+22	1,514929E+22	1,149535E+22	7,558209E+21	4,392976E+21	2,711065E+21	2,711022E+21	4,392823E+21	7,557939E+21
2361	1,149513E+22	1,514926E+22	1,740434E+22	1,740440E+22	1,514921E+22	1,149489E+22	7,557782E+21	4,392781E+21	2,711067E+21	2,711199E+21	4,393162E+21	7,558302E+21
2362	1,149524E+22	1,514887E+22	1,740332E+22	1,740318E+22	1,514870E+22	1,149509E+22	7,558193E+21	4,393177E+21	2,711324E+21	2,711252E+21	4,392991E+21	7,557945E+21
2363	1,149479E+22	1,514857E+22	1,740359E+22	1,740380E+22	1,514920E+22	1,149544E+22	7,558349E+21	4,393253E+21	2,711475E+21	2,711510E+21	4,393324E+21	7,558334E+21
2364	1,149519E+22	1,514879E+22	1,740336E+22	1,740314E+22	1,514825E+22	1,149469E+22	7,558146E+21	4,393395E+21	2,711728E+21	2,711790E+21	4,393560E+21	7,558376E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2365	1,149494E+22	1,514817E+22	1,740240E+22	1,740237E+22	1,514813E+22	1,149505E+22	7,558693E+21	4,393917E+21	2,712108E+21	2,711979E+21	4,393507E+21	7,558062E+21
2366	1,149451E+22	1,514804E+22	1,740289E+22	1,740308E+22	1,514857E+22	1,149498E+22	7,558372E+21	4,393767E+21	2,712220E+21	2,712312E+21	4,394022E+21	7,558647E+21
2367	1,149495E+22	1,514804E+22	1,740219E+22	1,740185E+22	1,514743E+22	1,149448E+22	7,558360E+21	4,393925E+21	2,712390E+21	2,712428E+21	4,394063E+21	7,558577E+21
2368	1,149465E+22	1,514741E+22	1,740159E+22	1,740184E+22	1,514788E+22	1,149501E+22	7,558801E+21	4,394202E+21	2,712535E+21	2,712465E+21	4,393979E+21	7,558459E+21
2369	1,149477E+22	1,514794E+22	1,740230E+22	1,740232E+22	1,514791E+22	1,149461E+22	7,558339E+21	4,393927E+21	2,712451E+21	2,712563E+21	4,394259E+21	7,558844E+21
2370	1,149507E+22	1,514795E+22	1,740183E+22	1,740143E+22	1,514727E+22	1,149455E+22	7,558538E+21	4,394105E+21	2,712476E+21	2,712389E+21	4,393884E+21	7,558323E+21
2371	1,149451E+22	1,514763E+22	1,740225E+22	1,740251E+22	1,514822E+22	1,149507E+22	7,558673E+21	4,394013E+21	2,712350E+21	2,712310E+21	4,393881E+21	7,558439E+21
2372	1,149483E+22	1,514812E+22	1,740261E+22	1,740260E+22	1,514797E+22	1,149454E+22	7,558223E+21	4,393733E+21	2,712181E+21	2,712251E+21	4,393941E+21	7,558539E+21
2373	1,149480E+22	1,514782E+22	1,740201E+22	1,740198E+22	1,514797E+22	1,149501E+22	7,558630E+21	4,393896E+21	2,712115E+21	2,711982E+21	4,393516E+21	7,558082E+21
2374	1,149446E+22	1,514787E+22	1,740279E+22	1,740315E+22	1,514878E+22	1,149526E+22	7,558416E+21	4,393541E+21	2,711857E+21	2,711894E+21	4,393638E+21	7,558483E+21
2375	1,149515E+22	1,514851E+22	1,740285E+22	1,740257E+22	1,514789E+22	1,149459E+22	7,558123E+21	4,393379E+21	2,711688E+21	2,711717E+21	4,393475E+21	7,558338E+21
2376	1,149498E+22	1,514827E+22	1,740261E+22	1,740266E+22	1,514835E+22	1,149506E+22	7,558472E+21	4,393551E+21	2,711679E+21	2,711549E+21	4,393162E+21	7,557968E+21
2377	1,149482E+22	1,514871E+22	1,740364E+22	1,740365E+22	1,514883E+22	1,149489E+22	7,558009E+21	4,393182E+21	2,711518E+21	2,711613E+21	4,393464E+21	7,558419E+21
2378	1,149518E+22	1,514873E+22	1,740327E+22	1,740290E+22	1,514810E+22	1,149465E+22	7,558041E+21	4,393265E+21	2,711543E+21	2,711522E+21	4,393251E+21	7,558102E+21
2379	1,149471E+22	1,514814E+22	1,740304E+22	1,740342E+22	1,514890E+22	1,149529E+22	7,558425E+21	4,393426E+21	2,711628E+21	2,711598E+21	4,393315E+21	7,558190E+21
2380	1,149496E+22	1,514856E+22	1,740323E+22	1,740331E+22	1,514858E+22	1,149480E+22	7,558069E+21	4,393321E+21	2,711707E+21	2,711829E+21	4,393662E+21	7,558524E+21
2381	1,149511E+22	1,514833E+22	1,740243E+22	1,740207E+22	1,514787E+22	1,149490E+22	7,558515E+21	4,393784E+21	2,712026E+21	2,711923E+21	4,393488E+21	7,558093E+21
2382	1,149450E+22	1,514785E+22	1,740262E+22	1,740284E+22	1,514850E+22	1,149521E+22	7,558612E+21	4,393870E+21	2,712218E+21	2,712223E+21	4,393835E+21	7,558445E+21
2383	1,149490E+22	1,514815E+22	1,740243E+22	1,740216E+22	1,514750E+22	1,149435E+22	7,558266E+21	4,393907E+21	2,712423E+21	2,712510E+21	4,394152E+21	7,558613E+21
2384	1,149467E+22	1,514741E+22	1,740139E+22	1,740142E+22	1,514746E+22	1,149474E+22	7,558787E+21	4,394395E+21	2,712768E+21	2,712660E+21	4,394079E+21	7,558329E+21
2385	1,149429E+22	1,514725E+22	1,740173E+22	1,740199E+22	1,514790E+22	1,149480E+22	7,558575E+21	4,394248E+21	2,712834E+21	2,712945E+21	4,394565E+21	7,558950E+21
2386	1,149485E+22	1,514742E+22	1,740126E+22	1,740094E+22	1,514676E+22	1,149424E+22	7,558541E+21	4,394392E+21	2,712964E+21	2,712990E+21	4,394501E+21	7,558770E+21
2387	1,149454E+22	1,514693E+22	1,740084E+22	1,740106E+22	1,514733E+22	1,149483E+22	7,558987E+21	4,394656E+21	2,713083E+21	2,712998E+21	4,394393E+21	7,558603E+21
2388	1,149456E+22	1,514742E+22	1,740152E+22	1,740146E+22	1,514731E+22	1,149445E+22	7,558553E+21	4,394408E+21	2,713034E+21	2,713128E+21	4,394680E+21	7,558950E+21
2389	1,149480E+22	1,514741E+22	1,740117E+22	1,740071E+22	1,514670E+22	1,149440E+22	7,558765E+21	4,394589E+21	2,713061E+21	2,712960E+21	4,394315E+21	7,558430E+21
2390	1,149417E+22	1,514685E+22	1,740133E+22	1,740181E+22	1,514784E+22	1,149498E+22	7,558871E+21	4,394475E+21	2,712929E+21	2,712881E+21	4,394309E+21	7,558577E+21
2391	1,149463E+22	1,514751E+22	1,740164E+22	1,740166E+22	1,514738E+22	1,149437E+22	7,558363E+21	4,394113E+21	2,712694E+21	2,712793E+21	4,394410E+21	7,558795E+21
2392	1,149472E+22	1,514733E+22	1,740116E+22	1,740109E+22	1,514728E+22	1,149472E+22	7,558744E+21	4,394291E+21	2,712617E+21	2,712484E+21	4,393926E+21	7,558283E+21
2393	1,149437E+22	1,514742E+22	1,740198E+22	1,740222E+22	1,514807E+22	1,149499E+22	7,558558E+21	4,393956E+21	2,712373E+21	2,712407E+21	4,394044E+21	7,558648E+21
2394	1,149501E+22	1,514807E+22	1,740228E+22	1,740197E+22	1,514731E+22	1,149429E+22	7,558214E+21	4,393771E+21	2,712204E+21	2,712230E+21	4,393863E+21	7,558439E+21
2395	1,149474E+22	1,514774E+22	1,740199E+22	1,740216E+22	1,514797E+22	1,149487E+22	7,558566E+21	4,393931E+21	2,712194E+21	2,712082E+21	4,393609E+21	7,558129E+21
2396	1,149453E+22	1,514799E+22	1,740268E+22	1,740281E+22	1,514837E+22	1,149482E+22	7,558208E+21	4,393631E+21	2,712096E+21	2,712202E+21	4,393949E+21	7,558635E+21
2397	1,149498E+22	1,514809E+22	1,740235E+22	1,740198E+22	1,514752E+22	1,149460E+22	7,558345E+21	4,393779E+21	2,712155E+21	2,712128E+21	4,393732E+21	7,558306E+21
2398	1,149451E+22	1,514743E+22	1,740198E+22	1,740245E+22	1,514831E+22	1,149517E+22	7,558719E+21	4,393996E+21	2,712294E+21	2,712230E+21	4,393768E+21	7,558329E+21
2399	1,149480E+22	1,514804E+22	1,740227E+22	1,740221E+22	1,514778E+22	1,149454E+22	7,558269E+21	4,393847E+21	2,712373E+21	2,712496E+21	4,394185E+21	7,558723E+21
2400	1,149490E+22	1,514777E+22	1,740160E+22	1,740117E+22	1,514709E+22	1,149454E+22	7,558661E+21	4,394312E+21	2,712700E+21	2,712598E+21	4,394023E+21	7,558275E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2401	1,149421E+22	1,514711E+22	1,740160E+22	1,740186E+22	1,514778E+22	1,149491E+22	7,558775E+21	4,394393E+21	2,712898E+21	2,712921E+21	4,394419E+21	7,558698E+21
2402	1,149463E+22	1,514735E+22	1,740144E+22	1,740131E+22	1,514689E+22	1,149410E+22	7,558406E+21	4,394381E+21	2,713064E+21	2,713171E+21	4,394706E+21	7,558885E+21
2403	1,149450E+22	1,514673E+22	1,740039E+22	1,740050E+22	1,514689E+22	1,149457E+22	7,558964E+21	4,394848E+21	2,713357E+21	2,713275E+21	4,394613E+21	7,558612E+21
2404	1,149417E+22	1,514665E+22	1,740067E+22	1,740086E+22	1,514715E+22	1,149461E+22	7,558824E+21	4,394776E+21	2,713465E+21	2,713559E+21	4,395043E+21	7,559161E+21
2405	1,149475E+22	1,514700E+22	1,740052E+22	1,740001E+22	1,514603E+22	1,149404E+22	7,558799E+21	4,394933E+21	2,713604E+21	2,713596E+21	4,394929E+21	7,558861E+21
2406	1,149425E+22	1,514633E+22	1,740007E+22	1,740035E+22	1,514680E+22	1,149465E+22	7,559208E+21	4,395184E+21	2,713723E+21	2,713605E+21	4,394802E+21	7,558639E+21
2407	1,149424E+22	1,514682E+22	1,740071E+22	1,740069E+22	1,514677E+22	1,149424E+22	7,558688E+21	4,394841E+21	2,713615E+21	2,713726E+21	4,395163E+21	7,559112E+21
2408	1,149450E+22	1,514670E+22	1,740029E+22	1,739997E+22	1,514620E+22	1,149420E+22	7,558894E+21	4,394994E+21	2,713597E+21	2,713511E+21	4,394778E+21	7,558635E+21
2409	1,149394E+22	1,514613E+22	1,740025E+22	1,740083E+22	1,514726E+22	1,149485E+22	7,559078E+21	4,394889E+21	2,713439E+21	2,713405E+21	4,394758E+21	7,558812E+21
2410	1,149450E+22	1,514695E+22	1,740081E+22	1,740086E+22	1,514678E+22	1,149415E+22	7,558509E+21	4,394504E+21	2,713177E+21	2,713270E+21	4,394788E+21	7,558966E+21
2411	1,149464E+22	1,514694E+22	1,740048E+22	1,740036E+22	1,514674E+22	1,149451E+22	7,558861E+21	4,394656E+21	2,713086E+21	2,712959E+21	4,394317E+21	7,558434E+21
2412	1,149421E+22	1,514698E+22	1,740128E+22	1,740142E+22	1,514745E+22	1,149477E+22	7,558726E+21	4,394387E+21	2,712907E+21	2,712936E+21	4,394461E+21	7,558799E+21
2413	1,149481E+22	1,514760E+22	1,740165E+22	1,740130E+22	1,514678E+22	1,149411E+22	7,558387E+21	4,394216E+21	2,712770E+21	2,712794E+21	4,394307E+21	7,558594E+21
2414	1,149447E+22	1,514705E+22	1,740110E+22	1,740146E+22	1,514760E+22	1,149480E+22	7,558771E+21	4,394386E+21	2,712780E+21	2,712668E+21	4,394057E+21	7,558305E+21
2415	1,149439E+22	1,514744E+22	1,740171E+22	1,740183E+22	1,514775E+22	1,149467E+22	7,558398E+21	4,394061E+21	2,712663E+21	2,712794E+21	4,394444E+21	7,558879E+21
2416	1,149488E+22	1,514757E+22	1,740145E+22	1,740102E+22	1,514678E+22	1,149431E+22	7,558524E+21	4,394270E+21	2,712759E+21	2,712722E+21	4,394195E+21	7,558485E+21
2417	1,149434E+22	1,514687E+22	1,740103E+22	1,740142E+22	1,514755E+22	1,149491E+22	7,558937E+21	4,394525E+21	2,712940E+21	2,712868E+21	4,394257E+21	7,558474E+21
2418	1,149450E+22	1,514738E+22	1,740149E+22	1,740145E+22	1,514711E+22	1,149421E+22	7,558418E+21	4,394349E+21	2,713021E+21	2,713142E+21	4,394682E+21	7,558858E+21
2419	1,149457E+22	1,514704E+22	1,740070E+22	1,740041E+22	1,514657E+22	1,149431E+22	7,558802E+21	4,394785E+21	2,713333E+21	2,713257E+21	4,394584E+21	7,558495E+21
2420	1,149390E+22	1,514628E+22	1,740044E+22	1,740077E+22	1,514711E+22	1,149475E+22	7,559017E+21	4,394924E+21	2,713567E+21	2,713599E+21	4,394987E+21	7,558975E+21
2421	1,149446E+22	1,514668E+22	1,740038E+22	1,740021E+22	1,514618E+22	1,149397E+22	7,558697E+21	4,394939E+21	2,713735E+21	2,713832E+21	4,395231E+21	7,559117E+21
2422	1,149433E+22	1,514609E+22	1,739936E+22	1,739951E+22	1,514627E+22	1,149441E+22	7,559228E+21	4,395410E+21	2,714033E+21	2,713918E+21	4,395070E+21	7,558766E+21
2423	1,149405E+22	1,514620E+22	1,739981E+22	1,739985E+22	1,514639E+22	1,149434E+22	7,559009E+21	4,395278E+21	2,714108E+21	2,714202E+21	4,395541E+21	7,559333E+21
2424	1,149453E+22	1,514647E+22	1,739981E+22	1,739929E+22	1,514539E+22	1,149372E+22	7,558946E+21	4,395426E+21	2,714225E+21	2,714211E+21	4,395409E+21	7,559006E+21
2425	1,149394E+22	1,514563E+22	1,739915E+22	1,739956E+22	1,514629E+22	1,149445E+22	7,559372E+21	4,395645E+21	2,714319E+21	2,714216E+21	4,395309E+21	7,558835E+21
2426	1,149392E+22	1,514604E+22	1,739981E+22	1,739997E+22	1,514631E+22	1,149409E+22	7,558839E+21	4,395237E+21	2,714142E+21	2,714274E+21	4,395625E+21	7,559336E+21
2427	1,149434E+22	1,514609E+22	1,739936E+22	1,739913E+22	1,514571E+22	1,149408E+22	7,559068E+21	4,395363E+21	2,714069E+21	2,714010E+21	4,395226E+21	7,558873E+21
2428	1,149385E+22	1,514563E+22	1,739930E+22	1,739975E+22	1,514652E+22	1,149465E+22	7,559300E+21	4,395338E+21	2,713962E+21	2,713911E+21	4,395160E+21	7,559002E+21
2429	1,149443E+22	1,514661E+22	1,740015E+22	1,740001E+22	1,514612E+22	1,149393E+22	7,558702E+21	4,394956E+21	2,713721E+21	2,713790E+21	4,395166E+21	7,559064E+21
2430	1,149442E+22	1,514646E+22	1,739985E+22	1,739975E+22	1,514628E+22	1,149429E+22	7,558993E+21	4,395083E+21	2,713638E+21	2,713495E+21	4,394691E+21	7,558511E+21
2431	1,149399E+22	1,514648E+22	1,740053E+22	1,740069E+22	1,514692E+22	1,149453E+22	7,558818E+21	4,394767E+21	2,713440E+21	2,713493E+21	4,394925E+21	7,558992E+21
2432	1,149459E+22	1,514700E+22	1,740085E+22	1,740061E+22	1,514631E+22	1,149391E+22	7,558524E+21	4,394613E+21	2,713289E+21	2,713327E+21	4,394752E+21	7,558794E+21
2433	1,149428E+22	1,514640E+22	1,740010E+22	1,740052E+22	1,514702E+22	1,149466E+22	7,559001E+21	4,394838E+21	2,713328E+21	2,713223E+21	4,394509E+21	7,558493E+21
2434	1,149418E+22	1,514683E+22	1,740088E+22	1,740101E+22	1,514713E+22	1,149446E+22	7,558605E+21	4,394527E+21	2,713228E+21	2,713345E+21	4,394858E+21	7,559009E+21
2435	1,149467E+22	1,514706E+22	1,740067E+22	1,740021E+22	1,514620E+22	1,149410E+22	7,558714E+21	4,394735E+21	2,713345E+21	2,713318E+21	4,394673E+21	7,558624E+21
2436	1,149404E+22	1,514622E+22	1,740008E+22	1,740042E+22	1,514682E+22	1,149467E+22	7,559175E+21	4,395079E+21	2,713613E+21	2,713532E+21	4,394789E+21	7,558669E+21

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2437	1,149422E+22	1,514667E+22	1,740053E+22	1,740055E+22	1,514651E+22	1,149402E+22	7,558635E+21	4,394902E+21	2,713722E+21	2,713841E+21	4,395246E+21	7,559089E+21
2438	1,149429E+22	1,514621E+22	1,739957E+22	1,739946E+22	1,514603E+22	1,149416E+22	7,559028E+21	4,395317E+21	2,714022E+21	2,713950E+21	4,395133E+21	7,558765E+21
2439	1,149380E+22	1,514568E+22	1,739933E+22	1,739959E+22	1,514630E+22	1,149449E+22	7,559222E+21	4,395435E+21	2,714225E+21	2,714277E+21	4,395559E+21	7,559284E+21
2440	1,149439E+22	1,514619E+22	1,739950E+22	1,739921E+22	1,514538E+22	1,149362E+22	7,558879E+21	4,395470E+21	2,714388E+21	2,714473E+21	4,395731E+21	7,559317E+21
2441	1,149416E+22	1,514557E+22	1,739850E+22	1,739855E+22	1,514555E+22	1,149414E+22	7,559429E+21	4,395932E+21	2,714688E+21	2,714571E+21	4,395570E+21	7,558904E+21
2442	1,149372E+22	1,514556E+22	1,739912E+22	1,739920E+22	1,514583E+22	1,149408E+22	7,559162E+21	4,395748E+21	2,714717E+21	2,714812E+21	4,396008E+21	7,559453E+21
2443	1,149420E+22	1,514576E+22	1,739894E+22	1,739861E+22	1,514502E+22	1,149359E+22	7,559104E+21	4,395842E+21	2,714780E+21	2,714796E+21	4,395907E+21	7,559190E+21
2444	1,149364E+22	1,514484E+22	1,739805E+22	1,739854E+22	1,514573E+22	1,149436E+22	7,559634E+21	4,396118E+21	2,714884E+21	2,714781E+21	4,395785E+21	7,559077E+21
2445	1,149376E+22	1,514541E+22	1,739882E+22	1,739897E+22	1,514570E+22	1,149397E+22	7,559097E+21	4,395719E+21	2,714698E+21	2,714807E+21	4,396041E+21	7,559515E+21
2446	1,149419E+22	1,514554E+22	1,739847E+22	1,739824E+22	1,514514E+22	1,149390E+22	7,559277E+21	4,395825E+21	2,714617E+21	2,714526E+21	4,395590E+21	7,559011E+21
2447	1,149378E+22	1,514530E+22	1,739861E+22	1,739884E+22	1,514577E+22	1,149432E+22	7,559413E+21	4,395738E+21	2,714484E+21	2,714440E+21	4,395582E+21	7,559165E+21
2448	1,149427E+22	1,514622E+22	1,739960E+22	1,739938E+22	1,514551E+22	1,149357E+22	7,558779E+21	4,395354E+21	2,714237E+21	2,714309E+21	4,395582E+21	7,559210E+21
2449	1,149418E+22	1,514590E+22	1,739910E+22	1,739908E+22	1,514584E+22	1,149410E+22	7,559100E+21	4,395460E+21	2,714155E+21	2,714037E+21	4,395145E+21	7,558699E+21
2450	1,149373E+22	1,514583E+22	1,739979E+22	1,740006E+22	1,514651E+22	1,149438E+22	7,558950E+21	4,395126E+21	2,713925E+21	2,713997E+21	4,395341E+21	7,559182E+21
2451	1,149444E+22	1,514645E+22	1,740001E+22	1,739984E+22	1,514587E+22	1,149380E+22	7,558716E+21	4,395002E+21	2,713778E+21	2,713835E+21	4,395175E+21	7,558966E+21
2452	1,149410E+22	1,514586E+22	1,739918E+22	1,739947E+22	1,514632E+22	1,149448E+22	7,559270E+21	4,395356E+21	2,713921E+21	2,713788E+21	4,394939E+21	7,558639E+21
2453	1,149395E+22	1,514628E+22	1,740007E+22	1,740010E+22	1,514649E+22	1,149427E+22	7,558854E+21	4,395078E+21	2,713883E+21	2,713970E+21	4,395312E+21	7,559097E+21
2454	1,149431E+22	1,514634E+22	1,739977E+22	1,739941E+22	1,514569E+22	1,149390E+22	7,558925E+21	4,395277E+21	2,714029E+21	2,713989E+21	4,395177E+21	7,558791E+21
2455	1,149378E+22	1,514551E+22	1,739904E+22	1,739937E+22	1,514611E+22	1,149438E+22	7,559328E+21	4,395577E+21	2,714286E+21	2,714237E+21	4,395396E+21	7,558977E+21
2456	1,149402E+22	1,514595E+22	1,739948E+22	1,739952E+22	1,514580E+22	1,149374E+22	7,558822E+21	4,395415E+21	2,714375E+21	2,714513E+21	4,395822E+21	7,559401E+21
2457	1,149416E+22	1,514555E+22	1,739846E+22	1,739833E+22	1,514529E+22	1,149392E+22	7,559244E+21	4,395835E+21	2,714675E+21	2,714615E+21	4,395683E+21	7,559032E+21
2458	1,149364E+22	1,514512E+22	1,739850E+22	1,739868E+22	1,514560E+22	1,149419E+22	7,559399E+21	4,395932E+21	2,714852E+21	2,714898E+21	4,396037E+21	7,559466E+21
2459	1,149422E+22	1,514571E+22	1,739876E+22	1,739843E+22	1,514483E+22	1,149340E+22	7,559066E+21	4,395945E+21	2,714996E+21	2,715094E+21	4,396222E+21	7,559452E+21
2460	1,149385E+22	1,514492E+22	1,739764E+22	1,739765E+22	1,514491E+22	1,149394E+22	7,559680E+21	4,396482E+21	2,715345E+21	2,715215E+21	4,396081E+21	7,559080E+21
2461	1,149340E+22	1,514481E+22	1,739817E+22	1,739838E+22	1,514539E+22	1,149399E+22	7,559409E+21	4,396277E+21	2,715365E+21	2,715446E+21	4,396501E+21	7,559628E+21
2462	1,149390E+22	1,514496E+22	1,739787E+22	1,739770E+22	1,514458E+22	1,149353E+22	7,559351E+21	4,396328E+21	2,715381E+21	2,715388E+21	4,396366E+21	7,559417E+21
2463	1,149355E+22	1,514427E+22	1,739700E+22	1,739735E+22	1,514491E+22	1,149409E+22	7,559818E+21	4,396572E+21	2,715447E+21	2,715349E+21	4,396259E+21	7,559334E+21
2464	1,149371E+22	1,514499E+22	1,739805E+22	1,739803E+22	1,514493E+22	1,149360E+22	7,559233E+21	4,396165E+21	2,715237E+21	2,715329E+21	4,396442E+21	7,559674E+21
2465	1,149404E+22	1,514510E+22	1,739779E+22	1,739744E+22	1,514449E+22	1,149359E+22	7,559374E+21	4,396227E+21	2,715146E+21	2,715061E+21	4,396004E+21	7,559125E+21
2466	1,149349E+22	1,514478E+22	1,739812E+22	1,739835E+22	1,514530E+22	1,149402E+22	7,559465E+21	4,396090E+21	2,714971E+21	2,714938E+21	4,395976E+21	7,559288E+21
2467	1,149401E+22	1,514564E+22	1,739893E+22	1,739885E+22	1,514525E+22	1,149347E+22	7,558884E+21	4,395673E+21	2,714691E+21	2,714798E+21	4,395995E+21	7,559360E+21
2468	1,149391E+22	1,514523E+22	1,739819E+22	1,739820E+22	1,514537E+22	1,149405E+22	7,559350E+21	4,395889E+21	2,714660E+21	2,714540E+21	4,395558E+21	7,558895E+21
2469	1,149356E+22	1,514523E+22	1,739887E+22	1,739917E+22	1,514604E+22	1,149433E+22	7,559226E+21	4,395614E+21	2,714476E+21	2,714514E+21	4,395714E+21	7,559290E+21
2470	1,149421E+22	1,514586E+22	1,739913E+22	1,739896E+22	1,514537E+22	1,149369E+22	7,558970E+21	4,395509E+21	2,714372E+21	2,714391E+21	4,395566E+21	7,559095E+21
2471	1,149394E+22	1,514535E+22	1,739834E+22	1,739845E+22	1,514553E+22	1,149417E+22	7,559453E+21	4,395856E+21	2,714547E+21	2,714420E+21	4,395452E+21	7,558850E+21
2472	1,149373E+22	1,514567E+22	1,739927E+22	1,739927E+22	1,514580E+22	1,149390E+22	7,558996E+21	4,395588E+21	2,714526E+21	2,714623E+21	4,395855E+21	7,559336E+21



1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2473	1,149406E+22	1,514559E+22	1,739875E+22	1,739846E+22	1,514509E+22	1,149366E+22	7,559064E+21	4,395753E+21	2,714678E+21	2,714676E+21	4,395775E+21	7,559094E+21
2474	1,149357E+22	1,514483E+22	1,739813E+22	1,739845E+22	1,514545E+22	1,149411E+22	7,559465E+21	4,396021E+21	2,714888E+21	2,714870E+21	4,395938E+21	7,559282E+21
2475	1,149397E+22	1,514543E+22	1,739855E+22	1,739852E+22	1,514516E+22	1,149352E+22	7,559011E+21	4,395876E+21	2,714970E+21	2,715127E+21	4,396324E+21	7,559622E+21
2476	1,149403E+22	1,514505E+22	1,739759E+22	1,739727E+22	1,514453E+22	1,149369E+22	7,559506E+21	4,396401E+21	2,715339E+21	2,715253E+21	4,396161E+21	7,559195E+21
2477	1,149342E+22	1,514456E+22	1,739771E+22	1,739785E+22	1,514503E+22	1,149400E+22	7,559640E+21	4,396512E+21	2,715547E+21	2,715555E+21	4,396495E+21	7,559525E+21
2478	1,149381E+22	1,514493E+22	1,739785E+22	1,739768E+22	1,514441E+22	1,149329E+22	7,559316E+21	4,396509E+21	2,715686E+21	2,715756E+21	4,396707E+21	7,559594E+21
2479	1,149353E+22	1,514412E+22	1,739657E+22	1,739662E+22	1,514427E+22	1,149375E+22	7,559888E+21	4,396988E+21	2,715994E+21	2,715881E+21	4,396641E+21	7,559342E+21
2480	1,149316E+22	1,514401E+22	1,739708E+22	1,739734E+22	1,514468E+22	1,149375E+22	7,559629E+21	4,396780E+21	2,715969E+21	2,716052E+21	4,397002E+21	7,559870E+21
2481	1,149373E+22	1,514429E+22	1,739679E+22	1,739660E+22	1,514386E+22	1,149330E+22	7,559545E+21	4,396801E+21	2,715963E+21	2,715972E+21	4,396842E+21	7,559632E+21
2482	1,149339E+22	1,514380E+22	1,739631E+22	1,739650E+22	1,514420E+22	1,149375E+22	7,559906E+21	4,396970E+21	2,715968E+21	2,715870E+21	4,396666E+21	7,559501E+21
2483	1,149360E+22	1,514461E+22	1,739746E+22	1,739735E+22	1,514440E+22	1,149335E+22	7,559322E+21	4,396522E+21	2,715724E+21	2,715836E+21	4,396846E+21	7,559795E+21
2484	1,149380E+22	1,514458E+22	1,739714E+22	1,739677E+22	1,514399E+22	1,149338E+22	7,559519E+21	4,396638E+21	2,715664E+21	2,715578E+21	4,396424E+21	7,559297E+21
2485	1,149327E+22	1,514416E+22	1,739734E+22	1,739773E+22	1,514501E+22	1,149397E+22	7,559630E+21	4,396496E+21	2,715489E+21	2,715450E+21	4,396371E+21	7,559429E+21
2486	1,149378E+22	1,514498E+22	1,739803E+22	1,739809E+22	1,514493E+22	1,149349E+22	7,559132E+21	4,396100E+21	2,715202E+21	2,715293E+21	4,396374E+21	7,559547E+21
2487	1,149384E+22	1,514473E+22	1,739729E+22	1,739715E+22	1,514464E+22	1,149384E+22	7,559560E+21	4,396340E+21	2,715202E+21	2,715079E+21	4,395995E+21	7,559106E+21
2488	1,149346E+22	1,514476E+22	1,739810E+22	1,739826E+22	1,514530E+22	1,149401E+22	7,559412E+21	4,396105E+21	2,715055E+21	2,715075E+21	4,396133E+21	7,559416E+21
2489	1,149398E+22	1,514529E+22	1,739833E+22	1,739810E+22	1,514471E+22	1,149342E+22	7,559114E+21	4,395983E+21	2,714986E+21	2,715016E+21	4,396063E+21	7,559246E+21
2490	1,149362E+22	1,514471E+22	1,739763E+22	1,739772E+22	1,514491E+22	1,149384E+22	7,559524E+21	4,396282E+21	2,715135E+21	2,715032E+21	4,395965E+21	7,559080E+21
2491	1,149352E+22	1,514501E+22	1,739837E+22	1,739845E+22	1,514531E+22	1,149372E+22	7,559126E+21	4,395993E+21	2,715094E+21	2,715233E+21	4,396379E+21	7,559587E+21
2492	1,149387E+22	1,514490E+22	1,739773E+22	1,739740E+22	1,514440E+22	1,149348E+22	7,559309E+21	4,396262E+21	2,715294E+21	2,715294E+21	4,396287E+21	7,559361E+21
2493	1,149346E+22	1,514423E+22	1,739715E+22	1,739748E+22	1,514487E+22	1,149397E+22	7,559716E+21	4,396574E+21	2,715542E+21	2,715489E+21	4,396388E+21	7,559421E+21
2494	1,149375E+22	1,514485E+22	1,739769E+22	1,739763E+22	1,514462E+22	1,149341E+22	7,559285E+21	4,396444E+21	2,715647E+21	2,715762E+21	4,396770E+21	7,559752E+21
2495	1,149380E+22	1,514445E+22	1,739673E+22	1,739625E+22	1,514374E+22	1,149340E+22	7,559729E+21	4,396972E+21	2,716044E+21	2,715953E+21	4,396712E+21	7,559386E+21
2496	1,149312E+22	1,514381E+22	1,739679E+22	1,739701E+22	1,514439E+22	1,149372E+22	7,559849E+21	4,397082E+21	2,716246E+21	2,716248E+21	4,397044E+21	7,559718E+21
2497	1,149347E+22	1,514405E+22	1,739672E+22	1,739669E+22	1,514384E+22	1,149313E+22	7,559515E+21	4,397020E+21	2,716356E+21	2,716452E+21	4,397293E+21	7,559857E+21
2498	1,149327E+22	1,514337E+22	1,739558E+22	1,739560E+22	1,514355E+22	1,149350E+22	7,560047E+21	4,397435E+21	2,716576E+21	2,716484E+21	4,397159E+21	7,559635E+21
2499	1,149310E+22	1,514349E+22	1,739615E+22	1,739632E+22	1,514399E+22	1,149351E+22	7,559783E+21	4,397196E+21	2,716508E+21	2,716603E+21	4,397444E+21	7,560059E+21
2500	1,149361E+22	1,514382E+22	1,739600E+22	1,739563E+22	1,514311E+22	1,149302E+22	7,559721E+21	4,397264E+21	2,716524E+21	2,716518E+21	4,397258E+21	7,559785E+21
2501	1,149323E+22	1,514334E+22	1,739564E+22	1,739585E+22	1,514373E+22	1,149354E+22	7,560033E+21	4,397408E+21	2,716523E+21	2,716402E+21	4,397045E+21	7,559567E+21
2502	1,149329E+22	1,514401E+22	1,739675E+22	1,739679E+22	1,514410E+22	1,149328E+22	7,559494E+21	4,396943E+21	2,716256E+21	2,716349E+21	4,397234E+21	7,559940E+21
2503	1,149359E+22	1,514395E+22	1,739629E+22	1,739596E+22	1,514347E+22	1,149325E+22	7,559690E+21	4,397038E+21	2,716180E+21	2,716110E+21	4,396874E+21	7,559526E+21
2504	1,149313E+22	1,514356E+22	1,739647E+22	1,739690E+22	1,514444E+22	1,149380E+22	7,559849E+21	4,396933E+21	2,715997E+21	2,715949E+21	4,396763E+21	7,559590E+21
2505	1,149361E+22	1,514440E+22	1,739712E+22	1,739717E+22	1,514434E+22	1,149334E+22	7,559335E+21	4,396544E+21	2,715739E+21	2,715824E+21	4,396785E+21	7,559679E+21
2506	1,149363E+22	1,514428E+22	1,739667E+22	1,739636E+22	1,514395E+22	1,149354E+22	7,559676E+21	4,396745E+21	2,715723E+21	2,715603E+21	4,396410E+21	7,559262E+21
2507	1,149330E+22	1,514429E+22	1,739741E+22	1,739752E+22	1,514471E+22	1,149376E+22	7,559528E+21	4,396507E+21	2,715594E+21	2,715634E+21	4,396579E+21	7,559553E+21
2508	1,149370E+22	1,514464E+22	1,739751E+22	1,739730E+22	1,514414E+22	1,149320E+22	7,559277E+21	4,396452E+21	2,715584E+21	2,715623E+21	4,396572E+21	7,559490E+21

1 Longitude $\odot$	2	3	4	5	6	7	8	9	10	11	12	13
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
2509	1,149343E+22	1,514403E+22	1,739668E+22	1,739693E+22	1,514448E+22	1,149370E+22	7,559672E+21	4,396741E+21	2,715744E+21	2,715643E+21	4,396453E+21	7,559292E+21
2510	1,149334E+22	1,514434E+22	1,739735E+22	1,739750E+22	1,514477E+22	1,149365E+22	7,559387E+21	4,396502E+21	2,715710E+21	2,715830E+21	4,396849E+21	7,559834E+21
2511	1,149380E+22	1,514436E+22	1,739677E+22	1,739629E+22	1,514357E+22	1,149321E+22	7,559530E+21	4,396800E+21	2,715951E+21	2,715942E+21	4,396796E+21	7,559579E+21
2512	1,149331E+22	1,514370E+22	1,739633E+22	1,739654E+22	1,514408E+22	1,149365E+22	7,559935E+21	4,397145E+21	2,716232E+21	2,716158E+21	4,396874E+21	7,559528E+21
2513	1,149341E+22	1,514414E+22	1,739677E+22	1,739674E+22	1,514399E+22	1,149320E+22	7,559500E+21	4,397009E+21	2,716366E+21	2,716485E+21	4,397328E+21	7,559882E+21
2514	1,149337E+22	1,514366E+22	1,739586E+22	1,739544E+22	1,514312E+22	1,149314E+22	7,559876E+21	4,397467E+21	2,716709E+21	2,716641E+21	4,397284E+21	7,559632E+21
2515	1,149286E+22	1,514300E+22	1,739567E+22	1,739603E+22	1,514383E+22	1,149358E+22	7,560038E+21	4,397542E+21	2,716864E+21	2,716898E+21	4,397587E+21	7,559959E+21
2516	1,149324E+22	1,514328E+22	1,739556E+22	1,739554E+22	1,514311E+22	1,149296E+22	7,559778E+21	4,397544E+21	2,716976E+21	2,717069E+21	4,397807E+21	7,560133E+21
2517	1,149318E+22	1,514278E+22	1,739455E+22	1,739461E+22	1,514292E+22	1,149328E+22	7,560235E+21	4,397931E+21	2,717178E+21	2,717058E+21	4,397583E+21	7,559787E+21
2518	1,149295E+22	1,514301E+22	1,739536E+22	1,739546E+22	1,514338E+22	1,149334E+22	7,560000E+21	4,397679E+21	2,717086E+21	2,717147E+21	4,397847E+21	7,560215E+21
2519	1,149346E+22	1,514336E+22	1,739531E+22	1,739482E+22	1,514240E+22	1,149271E+22	7,559861E+21	4,397716E+21	2,717100E+21	2,717096E+21	4,397727E+21	7,559975E+21
2520	1,149303E+22	1,514280E+22	1,739496E+22	1,739523E+22	1,514323E+22	1,149330E+22	7,560167E+21	4,397834E+21	2,717074E+21	2,716959E+21	4,397486E+21	7,559728E+21
2521	1,149305E+22	1,514336E+22	1,739587E+22	1,739602E+22	1,514370E+22	1,149322E+22	7,559671E+21	4,397341E+21	2,716785E+21	2,716901E+21	4,397688E+21	7,560121E+21
2522	1,149339E+22	1,514341E+22	1,739554E+22	1,739516E+22	1,514288E+22	1,149307E+22	7,559836E+21	4,397405E+21	2,716651E+21	2,716594E+21	4,397278E+21	7,559736E+21
2523	1,149307E+22	1,514315E+22	1,739569E+22	1,739608E+22	1,514386E+22	1,149362E+22	7,560001E+21	4,397311E+21	2,716477E+21	2,716429E+21	4,397117E+21	7,559679E+21
2524	1,149340E+22	1,514391E+22	1,739640E+22	1,739636E+22	1,514368E+22	1,149310E+22	7,559516E+21	4,396995E+21	2,716282E+21	2,716351E+21	4,397180E+21	7,559788E+21
2525	1,149338E+22	1,514369E+22	1,739591E+22	1,739573E+22	1,514350E+22	1,149333E+22	7,559807E+21	4,397191E+21	2,716294E+21	2,716161E+21	4,396825E+21	7,559352E+21
2526	1,149298E+22	1,514362E+22	1,739656E+22	1,739682E+22	1,514431E+22	1,149368E+22	7,559721E+21	4,396956E+21	2,716167E+21	2,716199E+21	4,397037E+21	7,559765E+21
2527	1,149350E+22	1,514394E+22	1,739648E+22	1,739629E+22	1,514346E+22	1,149300E+22	7,559465E+21	4,396913E+21	2,716182E+21	2,716243E+21	4,397105E+21	7,559781E+21
2528	1,149333E+22	1,514343E+22	1,739569E+22	1,739595E+22	1,514378E+22	1,149347E+22	7,559896E+21	4,397243E+21	2,716356E+21	2,716252E+21	4,396932E+21	7,559498E+21
2529	1,149319E+22	1,514376E+22	1,739637E+22	1,739648E+22	1,514409E+22	1,149346E+22	7,559610E+21	4,397028E+21	2,716366E+21	2,716480E+21	4,397345E+21	7,559982E+21
2530	1,149355E+22	1,514385E+22	1,739605E+22	1,739543E+22	1,514281E+22	1,149289E+22	7,559689E+21	4,397294E+21	2,716591E+21	2,716588E+21	4,397306E+21	7,559764E+21
2531	1,149309E+22	1,514311E+22	1,739551E+22	1,739573E+22	1,514348E+22	1,149341E+22	7,560104E+21	4,397639E+21	2,716883E+21	2,716825E+21	4,397395E+21	7,559669E+21
2532	1,149303E+22	1,514332E+22	1,739575E+22	1,739583E+22	1,514339E+22	1,149302E+22	7,559730E+21	4,397552E+21	2,717049E+21	2,717176E+21	4,397902E+21	7,560140E+21
2533	1,149313E+22	1,514283E+22	1,739468E+22	1,739450E+22	1,514262E+22	1,149303E+22	7,560103E+21	4,397984E+21	2,717365E+21	2,717300E+21	4,397816E+21	7,559874E+21
2534	1,149269E+22	1,514232E+22	1,739453E+22	1,739491E+22	1,514317E+22	1,149347E+22	7,560327E+21	4,398076E+21	2,717490E+21	2,717501E+21	4,398074E+21	7,560226E+21
2535	1,149318E+22	1,514275E+22	1,739456E+22	1,739436E+22	1,514220E+22	1,149262E+22	7,559977E+21	4,398071E+21	2,717618E+21	2,717696E+21	4,398304E+21	7,560361E+21
2536	1,149308E+22	1,514235E+22	1,739383E+22	1,739375E+22	1,514214E+22	1,149292E+22	7,560383E+21	4,398422E+21	2,717798E+21	2,717664E+21	4,398031E+21	7,559903E+21
2537	1,149268E+22	1,514244E+22	1,739461E+22	1,739474E+22	1,514283E+22	1,149311E+22	7,560148E+21	4,398141E+21	2,717693E+21	2,717762E+21	4,398325E+21	7,560330E+21
2538	1,149312E+22	1,514277E+22	1,739465E+22	1,739422E+22	1,514193E+22	1,149249E+22	7,559953E+21	4,398087E+21	2,717619E+21	2,717641E+21	4,398188E+21	7,560182E+21
2539	1,149285E+22	1,514221E+22	1,739411E+22	1,739450E+22	1,514280E+22	1,149321E+22	7,560323E+21	4,398189E+21	2,717552E+21	2,717457E+21	4,397884E+21	7,559869E+21
2540	1,149282E+22	1,514274E+22	1,739496E+22	1,739515E+22	1,514315E+22	1,149313E+22	7,559925E+21	4,397778E+21	2,717286E+21	2,717387E+21	4,398068E+21	7,560278E+21
2541	1,149324E+22	1,514288E+22	1,739468E+22	1,739442E+22	1,514243E+22	1,149292E+22	7,560016E+21	4,397829E+21	2,717162E+21	2,717077E+21	4,397618E+21	7,559807E+21
2542	1,149285E+22	1,514266E+22	1,739492E+22	1,739528E+22	1,514333E+22	1,149349E+22	7,560223E+21	4,397761E+21	2,717006E+21	2,716929E+21	4,397500E+21	7,559814E+21
2543	1,149317E+22	1,514333E+22	1,739559E+22	1,739553E+22	1,514300E+22	1,149280E+22	7,559667E+21	4,397450E+21	2,716858E+21	2,716934E+21	4,397671E+21	7,560009E+21
2544	1,149318E+22	1,514309E+22	1,739508E+22	1,739498E+22	1,514292E+22	1,149306E+22	7,559929E+21	4,397618E+21	2,716873E+21	2,716762E+21	4,397326E+21	7,559581E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ⊙	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2545	1,149278E+22	1,514295E+22	1,739556E+22	1,739588E+22	1,514373E+22	1,149353E+22	7,559911E+21	4,397400E+21	2,716756E+21	2,716818E+21	4,397561E+21	7,560007E+21
2546	1,149336E+22	1,514346E+22	1,739566E+22	1,739535E+22	1,514273E+22	1,149272E+22	7,559608E+21	4,397332E+21	2,716735E+21	2,716816E+21	4,397587E+21	7,560040E+21
2547	1,149329E+22	1,514304E+22	1,739490E+22	1,739504E+22	1,514309E+22	1,149321E+22	7,560046E+21	4,397687E+21	2,716939E+21	2,716838E+21	4,397363E+21	7,559605E+21
2548	1,149293E+22	1,514321E+22	1,739558E+22	1,739562E+22	1,514341E+22	1,149322E+22	7,559840E+21	4,397562E+21	2,717018E+21	2,717118E+21	4,397825E+21	7,560107E+21
2549	1,149323E+22	1,514313E+22	1,739513E+22	1,739475E+22	1,514238E+22	1,149270E+22	7,559884E+21	4,397828E+21	2,717267E+21	2,717253E+21	4,397808E+21	7,559887E+21
2550	1,149271E+22	1,514230E+22	1,739443E+22	1,739484E+22	1,514301E+22	1,149336E+22	7,560391E+21	4,398189E+21	2,717552E+21	2,717483E+21	4,397938E+21	7,559923E+21
2551	1,149276E+22	1,514247E+22	1,739453E+22	1,739467E+22	1,514262E+22	1,149282E+22	7,560003E+21	4,398116E+21	2,717734E+21	2,717868E+21	4,398487E+21	7,560449E+21
2552	1,149299E+22	1,514216E+22	1,739358E+22	1,739338E+22	1,514181E+22	1,149275E+22	7,560351E+21	4,398537E+21	2,718034E+21	2,717959E+21	4,398337E+21	7,560099E+21
2553	1,149253E+22	1,514175E+22	1,739354E+22	1,739382E+22	1,514239E+22	1,149321E+22	7,560544E+21	4,398610E+21	2,718157E+21	2,718162E+21	4,398582E+21	7,560384E+21
2554	1,149296E+22	1,514232E+22	1,739390E+22	1,739350E+22	1,514143E+22	1,149226E+22	7,560089E+21	4,398521E+21	2,718216E+21	2,718306E+21	4,398798E+21	7,560567E+21
2555	1,149292E+22	1,514189E+22	1,739317E+22	1,739310E+22	1,514163E+22	1,149266E+22	7,560470E+21	4,398827E+21	2,718361E+21	2,718244E+21	4,398487E+21	7,560045E+21
2556	1,149239E+22	1,514178E+22	1,739380E+22	1,739405E+22	1,514240E+22	1,149297E+22	7,560321E+21	4,398570E+21	2,718248E+21	2,718326E+21	4,398792E+21	7,560542E+21
2557	1,149292E+22	1,514206E+22	1,739368E+22	1,739353E+22	1,514163E+22	1,149244E+22	7,560154E+21	4,398494E+21	2,718129E+21	2,718149E+21	4,398584E+21	7,560340E+21
2558	1,149268E+22	1,514166E+22	1,739321E+22	1,739362E+22	1,514232E+22	1,149317E+22	7,560599E+21	4,398627E+21	2,718040E+21	2,717916E+21	4,398245E+21	7,560031E+21
2559	1,149266E+22	1,514221E+22	1,739410E+22	1,739416E+22	1,514240E+22	1,149286E+22	7,560121E+21	4,398238E+21	2,717829E+21	2,717908E+21	4,398463E+21	7,560409E+21
2560	1,149305E+22	1,514241E+22	1,739398E+22	1,739363E+22	1,514177E+22	1,149262E+22	7,560172E+21	4,398270E+21	2,717716E+21	2,717626E+21	4,398029E+21	7,559904E+21
2561	1,149256E+22	1,514206E+22	1,739412E+22	1,739451E+22	1,514278E+22	1,149326E+22	7,560362E+21	4,398193E+21	2,717579E+21	2,717519E+21	4,397979E+21	7,559963E+21
2562	1,149288E+22	1,514275E+22	1,739483E+22	1,739476E+22	1,514244E+22	1,149255E+22	7,559746E+21	4,397810E+21	2,717373E+21	2,717488E+21	4,398166E+21	7,560297E+21
2563	1,149309E+22	1,514257E+22	1,739423E+22	1,739415E+22	1,514239E+22	1,149287E+22	7,560046E+21	4,397977E+21	2,717372E+21	2,717289E+21	4,397761E+21	7,559785E+21
2564	1,149264E+22	1,514241E+22	1,739469E+22	1,739497E+22	1,514310E+22	1,149333E+22	7,560127E+21	4,397860E+21	2,717307E+21	2,717360E+21	4,397991E+21	7,560196E+21
2565	1,149323E+22	1,514295E+22	1,739484E+22	1,739461E+22	1,514226E+22	1,149254E+22	7,559804E+21	4,397809E+21	2,717320E+21	2,717377E+21	4,397988E+21	7,560126E+21
2566	1,149303E+22	1,514253E+22	1,739415E+22	1,739424E+22	1,514254E+22	1,149308E+22	7,560326E+21	4,398222E+21	2,717564E+21	2,717436E+21	4,397827E+21	7,559749E+21
2567	1,149259E+22	1,514246E+22	1,739464E+22	1,739473E+22	1,514275E+22	1,149297E+22	7,560078E+21	4,398138E+21	2,717724E+21	2,717818E+21	4,398389E+21	7,560326E+21
2568	1,149294E+22	1,514235E+22	1,739408E+22	1,739381E+22	1,514179E+22	1,149251E+22	7,560118E+21	4,398380E+21	2,717976E+21	2,717975E+21	4,398399E+21	7,560144E+21
2569	1,149246E+22	1,514149E+22	1,739320E+22	1,739364E+22	1,514231E+22	1,149320E+22	7,560666E+21	4,398752E+21	2,718256E+21	2,718203E+21	4,398539E+21	7,560198E+21
2570	1,149260E+22	1,514189E+22	1,739353E+22	1,739351E+22	1,514175E+22	1,149247E+22	7,560175E+21	4,398620E+21	2,718377E+21	2,718521E+21	4,399037E+21	7,560752E+21
2571	1,149295E+22	1,514173E+22	1,739275E+22	1,739238E+22	1,514101E+22	1,149238E+22	7,560454E+21	4,399002E+21	2,718658E+21	2,718586E+21	4,398809E+21	7,560244E+21
2572	1,149229E+22	1,514120E+22	1,739279E+22	1,739299E+22	1,514170E+22	1,149290E+22	7,560711E+21	4,399111E+21	2,718791E+21	2,718793E+21	4,399074E+21	7,560544E+21
2573	1,149268E+22	1,514165E+22	1,739308E+22	1,739293E+22	1,514110E+22	1,149208E+22	7,560227E+21	4,398967E+21	2,718807E+21	2,718896E+21	4,399247E+21	7,560691E+21
2574	1,149260E+22	1,514120E+22	1,739227E+22	1,739233E+22	1,514128E+22	1,149265E+22	7,560718E+21	4,399273E+21	2,718905E+21	2,718784E+21	4,398936E+21	7,560258E+21
2575	1,149214E+22	1,514103E+22	1,739275E+22	1,739307E+22	1,514180E+22	1,149285E+22	7,560590E+21	4,399053E+21	2,718806E+21	2,718871E+21	4,399232E+21	7,560754E+21
2576	1,149278E+22	1,514149E+22	1,739275E+22	1,739258E+22	1,514100E+22	1,149226E+22	7,560390E+21	4,398959E+21	2,718674E+21	2,718674E+21	4,398976E+21	7,560468E+21
2577	1,149248E+22	1,514114E+22	1,739236E+22	1,739264E+22	1,514166E+22	1,149297E+22	7,560809E+21	4,399090E+21	2,718597E+21	2,718464E+21	4,398657E+21	7,560129E+21
2578	1,149242E+22	1,514178E+22	1,739348E+22	1,739337E+22	1,514171E+22	1,149251E+22	7,560206E+21	4,398622E+21	2,718337E+21	2,718433E+21	4,398904E+21	7,560605E+21
2579	1,149289E+22	1,514194E+22	1,739334E+22	1,739298E+22	1,514126E+22	1,149232E+22	7,560199E+21	4,398611E+21	2,718215E+21	2,718150E+21	4,398462E+21	7,560080E+21
2580	1,149234E+22	1,514146E+22	1,739334E+22	1,739377E+22	1,514230E+22	1,149306E+22	7,560487E+21	4,398574E+21	2,718091E+21	2,718056E+21	4,398447E+21	7,560225E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2581	1,149278E+22	1,514216E+22	1,739394E+22	1,739403E+22	1,514206E+22	1,149243E+22	7,559912E+21	4,398199E+21	2,717869E+21	2,717988E+21	4,398566E+21	7,560488E+21
2582	1,149300E+22	1,514215E+22	1,739346E+22	1,739328E+22	1,514186E+22	1,149277E+22	7,560295E+21	4,398431E+21	2,717891E+21	2,717783E+21	4,398150E+21	7,559959E+21
2583	1,149246E+22	1,514190E+22	1,739390E+22	1,739405E+22	1,514239E+22	1,149306E+22	7,560350E+21	4,398388E+21	2,717929E+21	2,717952E+21	4,398423E+21	7,560313E+21
2584	1,149296E+22	1,514237E+22	1,739407E+22	1,739383E+22	1,514167E+22	1,149231E+22	7,560030E+21	4,398348E+21	2,717988E+21	2,718034E+21	4,398475E+21	7,560220E+21
2585	1,149263E+22	1,514174E+22	1,739319E+22	1,739334E+22	1,514200E+22	1,149293E+22	7,560574E+21	4,398785E+21	2,718271E+21	2,718153E+21	4,398400E+21	7,559924E+21
2586	1,149222E+22	1,514166E+22	1,739359E+22	1,739369E+22	1,514209E+22	1,149274E+22	7,560266E+21	4,398641E+21	2,718384E+21	2,718507E+21	4,398987E+21	7,560651E+21
2587	1,149279E+22	1,514165E+22	1,739298E+22	1,739271E+22	1,514109E+22	1,149228E+22	7,560297E+21	4,398874E+21	2,718618E+21	2,718632E+21	4,398939E+21	7,560407E+21
2588	1,149232E+22	1,514086E+22	1,739216E+22	1,739251E+22	1,514150E+22	1,149290E+22	7,560869E+21	4,399284E+21	2,718910E+21	2,718852E+21	4,399064E+21	7,560452E+21
2589	1,149248E+22	1,514130E+22	1,739260E+22	1,739260E+22	1,514112E+22	1,149220E+22	7,560346E+21	4,399122E+21	2,719011E+21	2,719140E+21	4,399500E+21	7,560905E+21
2590	1,149274E+22	1,514123E+22	1,739203E+22	1,739158E+22	1,514043E+22	1,149219E+22	7,560675E+21	4,399501E+21	2,719263E+21	2,719181E+21	4,399289E+21	7,560432E+21
2591	1,149200E+22	1,514050E+22	1,739192E+22	1,739218E+22	1,514111E+22	1,149264E+22	7,560891E+21	4,399627E+21	2,719437E+21	2,719433E+21	4,399588E+21	7,560756E+21
2592	1,149244E+22	1,514095E+22	1,739213E+22	1,739208E+22	1,514064E+22	1,149200E+22	7,560460E+21	4,399445E+21	2,719417E+21	2,719512E+21	4,399737E+21	7,560885E+21
2593	1,149237E+22	1,514051E+22	1,739125E+22	1,739131E+22	1,514071E+22	1,149257E+22	7,560995E+21	4,399764E+21	2,719490E+21	2,719369E+21	4,399398E+21	7,560431E+21
2594	1,149198E+22	1,514054E+22	1,739191E+22	1,739206E+22	1,514105E+22	1,149256E+22	7,560748E+21	4,399483E+21	2,719333E+21	2,719392E+21	4,399644E+21	7,560940E+21
2595	1,149268E+22	1,514109E+22	1,739207E+22	1,739176E+22	1,514035E+22	1,149194E+22	7,560465E+21	4,399349E+21	2,719188E+21	2,719181E+21	4,399345E+21	7,560549E+21
2596	1,149222E+22	1,514061E+22	1,739170E+22	1,739191E+22	1,514105E+22	1,149266E+22	7,560912E+21	4,399495E+21	2,719120E+21	2,718993E+21	4,399086E+21	7,560286E+21
2597	1,149217E+22	1,514112E+22	1,739271E+22	1,739281E+22	1,514139E+22	1,149234E+22	7,560299E+21	4,398988E+21	2,718831E+21	2,718935E+21	4,399309E+21	7,560767E+21
2598	1,149267E+22	1,514136E+22	1,739257E+22	1,739227E+22	1,514088E+22	1,149228E+22	7,560392E+21	4,398986E+21	2,718680E+21	2,718627E+21	4,398883E+21	7,560320E+21
2599	1,149218E+22	1,514084E+22	1,739243E+22	1,739287E+22	1,514170E+22	1,149288E+22	7,560696E+21	4,399028E+21	2,718626E+21	2,718578E+21	4,398864E+21	7,560434E+21
2600	1,149269E+22	1,514169E+22	1,739313E+22	1,739314E+22	1,514150E+22	1,149228E+22	7,560142E+21	4,398671E+21	2,718438E+21	2,718536E+21	4,398962E+21	7,560595E+21
2601	1,149279E+22	1,514163E+22	1,739268E+22	1,739237E+22	1,514125E+22	1,149261E+22	7,560545E+21	4,398954E+21	2,718519E+21	2,718397E+21	4,398603E+21	7,560053E+21
2602	1,149218E+22	1,514135E+22	1,739317E+22	1,739323E+22	1,514173E+22	1,149276E+22	7,560507E+21	4,398879E+21	2,718554E+21	2,718584E+21	4,398936E+21	7,560515E+21
2603	1,149271E+22	1,514171E+22	1,739323E+22	1,739304E+22	1,514113E+22	1,149205E+22	7,560131E+21	4,398818E+21	2,718631E+21	2,718696E+21	4,399016E+21	7,560440E+21
2604	1,149234E+22	1,514092E+22	1,739211E+22	1,739232E+22	1,514136E+22	1,149274E+22	7,560780E+21	4,399290E+21	2,718925E+21	2,718835E+21	4,398996E+21	7,560257E+21
2605	1,149209E+22	1,514089E+22	1,739243E+22	1,739266E+22	1,514148E+22	1,149256E+22	7,560477E+21	4,399135E+21	2,719005E+21	2,719132E+21	4,399495E+21	7,560907E+21
2606	1,149270E+22	1,514113E+22	1,739203E+22	1,739161E+22	1,514033E+22	1,149205E+22	7,560530E+21	4,399394E+21	2,719237E+21	2,719237E+21	4,399427E+21	7,560636E+21
2607	1,149214E+22	1,514029E+22	1,739128E+22	1,739148E+22	1,514066E+22	1,149252E+22	7,561051E+21	4,399846E+21	2,719599E+21	2,719516E+21	4,399562E+21	7,560620E+21
2608	1,149225E+22	1,514073E+22	1,739181E+22	1,739176E+22	1,514050E+22	1,149196E+22	7,560545E+21	4,399659E+21	2,719696E+21	2,719817E+21	4,400006E+21	7,561024E+21
2609	1,149238E+22	1,514047E+22	1,739112E+22	1,739074E+22	1,513993E+22	1,149207E+22	7,560911E+21	4,400036E+21	2,719938E+21	2,719860E+21	4,399821E+21	7,560599E+21
2610	1,149170E+22	1,513979E+22	1,739096E+22	1,739125E+22	1,514052E+22	1,149246E+22	7,561081E+21	4,400091E+21	2,720029E+21	2,720039E+21	4,400093E+21	7,561008E+21
2611	1,149230E+22	1,514033E+22	1,739119E+22	1,739114E+22	1,514005E+22	1,149181E+22	7,560630E+21	4,399891E+21	2,719973E+21	2,720062E+21	4,400162E+21	7,561043E+21
2612	1,149218E+22	1,513992E+22	1,739037E+22	1,739035E+22	1,514002E+22	1,149235E+22	7,561189E+21	4,400221E+21	2,720040E+21	2,719909E+21	4,399825E+21	7,560605E+21
2613	1,149180E+22	1,513995E+22	1,739110E+22	1,739131E+22	1,514051E+22	1,149235E+22	7,560892E+21	4,399894E+21	2,719847E+21	2,719892E+21	4,400014E+21	7,561040E+21
2614	1,149246E+22	1,514060E+22	1,739143E+22	1,739109E+22	1,513984E+22	1,149176E+22	7,560623E+21	4,399754E+21	2,719682E+21	2,719675E+21	4,399765E+21	7,560734E+21
2615	1,149198E+22	1,513997E+22	1,739091E+22	1,739120E+22	1,514052E+22	1,149240E+22	7,561016E+21	4,399913E+21	2,719664E+21	2,719539E+21	4,399544E+21	7,560527E+21
2616	1,149205E+22	1,514055E+22	1,739185E+22	1,739200E+22	1,514093E+22	1,149226E+22	7,560490E+21	4,399392E+21	2,719358E+21	2,719474E+21	4,399749E+21	7,560976E+21

	1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$													
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°	
2617	1,149255E+22	1,514083E+22	1,739173E+22	1,739137E+22	1,514033E+22	1,149218E+22	7,560632E+21	4,399432E+21	2,719216E+21	2,719161E+21	4,399300E+21	7,560487E+21	
2618	1,149209E+22	1,514048E+22	1,739173E+22	1,739197E+22	1,514098E+22	1,149259E+22	7,560829E+21	4,399449E+21	2,719156E+21	2,719100E+21	4,399263E+21	7,560588E+21	
2619	1,149256E+22	1,514130E+22	1,739251E+22	1,739240E+22	1,514091E+22	1,149202E+22	7,560244E+21	4,399103E+21	2,719005E+21	2,719091E+21	4,399358E+21	7,560658E+21	
2620	1,149246E+22	1,514100E+22	1,739194E+22	1,739165E+22	1,514068E+22	1,149237E+22	7,560695E+21	4,399424E+21	2,719127E+21	2,719018E+21	4,399106E+21	7,560229E+21	
2621	1,149185E+22	1,514049E+22	1,739215E+22	1,739249E+22	1,514131E+22	1,149262E+22	7,560674E+21	4,399341E+21	2,719157E+21	2,719195E+21	4,399430E+21	7,560712E+21	
2622	1,149245E+22	1,514095E+22	1,739219E+22	1,739207E+22	1,514058E+22	1,149198E+22	7,560397E+21	4,399308E+21	2,719221E+21	2,719299E+21	4,399546E+21	7,560730E+21	
2623	1,149216E+22	1,514017E+22	1,739098E+22	1,739118E+22	1,514054E+22	1,149245E+22	7,561007E+21	4,399847E+21	2,719587E+21	2,719481E+21	4,399514E+21	7,560521E+21	
2624	1,149201E+22	1,514035E+22	1,739144E+22	1,739153E+22	1,514070E+22	1,149234E+22	7,560720E+21	4,399692E+21	2,719688E+21	2,719795E+21	4,399988E+21	7,561063E+21	
2625	1,149248E+22	1,514057E+22	1,739119E+22	1,739062E+22	1,513959E+22	1,149181E+22	7,560771E+21	4,399964E+21	2,719938E+21	2,719928E+21	4,399942E+21	7,560770E+21	
2626	1,149189E+22	1,513974E+22	1,739050E+22	1,739062E+22	1,513995E+22	1,149217E+22	7,561171E+21	4,400351E+21	2,720267E+21	2,720193E+21	4,400108E+21	7,560841E+21	
2627	1,149202E+22	1,514007E+22	1,739096E+22	1,739099E+22	1,514002E+22	1,149175E+22	7,560661E+21	4,400134E+21	2,720345E+21	2,720475E+21	4,400531E+21	7,561226E+21	
2628	1,149210E+22	1,513969E+22	1,739009E+22	1,738982E+22	1,513936E+22	1,149194E+22	7,561135E+21	4,400520E+21	2,720554E+21	2,720498E+21	4,400366E+21	7,560882E+21	
2629	1,149154E+22	1,513904E+22	1,738990E+22	1,739035E+22	1,513997E+22	1,149232E+22	7,561308E+21	4,400560E+21	2,720591E+21	2,720588E+21	4,400517E+21	7,561178E+21	
2630	1,149215E+22	1,513983E+22	1,739037E+22	1,739022E+22	1,513940E+22	1,149164E+22	7,560857E+21	4,400355E+21	2,720509E+21	2,720582E+21	4,400574E+21	7,561191E+21	
2631	1,149194E+22	1,513933E+22	1,738956E+22	1,738948E+22	1,513928E+22	1,149203E+22	7,561339E+21	4,400699E+21	2,720626E+21	2,720476E+21	4,400255E+21	7,560744E+21	
2632	1,149158E+22	1,513940E+22	1,739033E+22	1,739053E+22	1,513998E+22	1,149218E+22	7,561054E+21	4,400331E+21	2,720417E+21	2,720462E+21	4,400454E+21	7,561167E+21	
2633	1,149217E+22	1,513995E+22	1,739058E+22	1,739032E+22	1,513939E+22	1,149166E+22	7,560809E+21	4,400182E+21	2,720235E+21	2,720241E+21	4,400223E+21	7,560930E+21	
2634	1,149185E+22	1,513945E+22	1,739007E+22	1,739037E+22	1,513995E+22	1,149219E+22	7,561130E+21	4,400280E+21	2,720156E+21	2,720051E+21	4,399984E+21	7,560791E+21	
2635	1,149203E+22	1,514014E+22	1,739110E+22	1,739121E+22	1,514037E+22	1,149204E+22	7,560597E+21	4,399773E+21	2,719848E+21	2,719954E+21	4,400115E+21	7,561112E+21	
2636	1,149241E+22	1,514038E+22	1,739101E+22	1,739057E+22	1,513970E+22	1,149197E+22	7,560794E+21	4,399848E+21	2,719733E+21	2,719677E+21	4,399702E+21	7,560631E+21	
2637	1,149190E+22	1,513992E+22	1,739102E+22	1,739134E+22	1,514049E+22	1,149240E+22	7,560987E+21	4,399863E+21	2,719674E+21	2,719607E+21	4,399631E+21	7,560647E+21	
2638	1,149226E+22	1,514073E+22	1,739182E+22	1,739175E+22	1,514042E+22	1,149187E+22	7,560434E+21	4,399548E+21	2,719552E+21	2,719644E+21	4,399818E+21	7,560815E+21	
2639	1,149212E+22	1,514020E+22	1,739095E+22	1,739081E+22	1,514010E+22	1,149216E+22	7,560878E+21	4,399927E+21	2,719765E+21	2,719659E+21	4,399637E+21	7,560489E+21	
2640	1,149169E+22	1,513978E+22	1,739103E+22	1,739140E+22	1,514070E+22	1,149255E+22	7,560941E+21	4,399854E+21	2,719803E+21	2,719848E+21	4,399957E+21	7,560948E+21	
2641	1,149229E+22	1,514030E+22	1,739111E+22	1,739093E+22	1,513983E+22	1,149180E+22	7,560677E+21	4,399871E+21	2,719894E+21	2,719961E+21	4,400059E+21	7,560950E+21	
2642	1,149207E+22	1,513973E+22	1,739010E+22	1,739010E+22	1,513965E+22	1,149204E+22	7,561126E+21	4,400353E+21	2,720247E+21	2,720136E+21	4,400025E+21	7,560736E+21	
2643	1,149187E+22	1,513988E+22	1,739071E+22	1,739068E+22	1,513996E+22	1,149196E+22	7,560819E+21	4,400197E+21	2,720359E+21	2,720461E+21	4,400488E+21	7,561185E+21	
2644	1,149214E+22	1,513987E+22	1,739036E+22	1,738987E+22	1,513900E+22	1,149156E+22	7,560933E+21	4,400473E+21	2,720612E+21	2,720623E+21	4,400514E+21	7,560988E+21	
2645	1,149157E+22	1,513888E+22	1,738950E+22	1,738988E+22	1,513953E+22	1,149207E+22	7,561368E+21	4,400825E+21	2,720890E+21	2,720826E+21	4,400615E+21	7,561036E+21	
2646	1,149176E+22	1,513934E+22	1,738995E+22	1,739007E+22	1,513950E+22	1,149173E+22	7,560960E+21	4,400631E+21	2,720931E+21	2,721067E+21	4,401032E+21	7,561457E+21	
2647	1,149188E+22	1,513895E+22	1,738899E+22	1,738878E+22	1,513865E+22	1,149173E+22	7,561392E+21	4,401065E+21	2,721186E+21	2,721102E+21	4,400838E+21	7,561096E+21	
2648	1,149143E+22	1,513849E+22	1,738889E+22	1,738926E+22	1,513928E+22	1,149218E+22	7,561565E+21	4,401076E+21	2,721211E+21	2,721183E+21	4,400952E+21	7,561290E+21	
2649	1,149189E+22	1,513926E+22	1,738955E+22	1,738933E+22	1,513873E+22	1,149143E+22	7,561087E+21	4,400861E+21	2,721117E+21	2,721177E+21	4,401025E+21	7,561332E+21	
2650	1,149174E+22	1,513884E+22	1,738883E+22	1,738870E+22	1,513860E+22	1,149164E+22	7,561383E+21	4,401097E+21	2,721178E+21	2,721046E+21	4,400739E+21	7,560985E+21	
2651	1,149146E+22	1,513890E+22	1,738958E+22	1,738982E+22	1,513947E+22	1,149194E+22	7,561113E+21	4,400693E+21	2,720933E+21	2,720998E+21	4,400903E+21	7,561380E+21	
2652	1,149203E+22	1,513940E+22	1,738976E+22	1,738954E+22	1,513887E+22	1,149151E+22	7,560953E+21	4,400538E+21	2,720713E+21	2,720751E+21	4,400668E+21	7,561180E+21	

1 Longitude ⊙ Years	2	3	4	5	6	7	8	9	10	11	12	13
	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
2653	1,149178E+22	1,513896E+22	1,738929E+22	1,738963E+22	1,513943E+22	1,149202E+22	7,561274E+21	4,400637E+21	2,720605E+21	2,720489E+21	4,400306E+21	7,560895E+21
2654	1,149191E+22	1,513980E+22	1,739051E+22	1,739051E+22	1,513983E+22	1,149190E+22	7,560792E+21	4,400171E+21	2,720316E+21	2,720406E+21	4,400449E+21	7,561166E+21
2655	1,149211E+22	1,513981E+22	1,739030E+22	1,738991E+22	1,513912E+22	1,149171E+22	7,560956E+21	4,400312E+21	2,720302E+21	2,720225E+21	4,400106E+21	7,560720E+21
2656	1,149160E+22	1,513927E+22	1,739014E+22	1,739055E+22	1,514004E+22	1,149232E+22	7,561208E+21	4,400344E+21	2,720283E+21	2,720212E+21	4,400092E+21	7,560747E+21
2657	1,149187E+22	1,513991E+22	1,739081E+22	1,739088E+22	1,513993E+22	1,149181E+22	7,560709E+21	4,400061E+21	2,720184E+21	2,720281E+21	4,400328E+21	7,561028E+21
2658	1,149193E+22	1,513953E+22	1,738987E+22	1,738975E+22	1,513935E+22	1,149188E+22	7,561042E+21	4,400397E+21	2,720377E+21	2,720289E+21	4,400175E+21	7,560791E+21
2659	1,149163E+22	1,513928E+22	1,739007E+22	1,739035E+22	1,513992E+22	1,149223E+22	7,561091E+21	4,400348E+21	2,720432E+21	2,720471E+21	4,400447E+21	7,561151E+21
2660	1,149214E+22	1,513977E+22	1,739022E+22	1,738993E+22	1,513905E+22	1,149150E+22	7,560844E+21	4,400371E+21	2,720542E+21	2,720622E+21	4,400597E+21	7,561177E+21
2661	1,149188E+22	1,513913E+22	1,738930E+22	1,738934E+22	1,513902E+22	1,149176E+22	7,561271E+21	4,400829E+21	2,720875E+21	2,720767E+21	4,400516E+21	7,560894E+21
2662	1,149161E+22	1,513928E+22	1,738994E+22	1,738998E+22	1,513944E+22	1,149179E+22	7,561019E+21	4,400693E+21	2,720991E+21	2,721109E+21	4,401033E+21	7,561394E+21
2663	1,149181E+22	1,513903E+22	1,738929E+22	1,738900E+22	1,513846E+22	1,149140E+22	7,561165E+21	4,401017E+21	2,721298E+21	2,721314E+21	4,401085E+21	7,561265E+21
2664	1,149140E+22	1,513817E+22	1,738832E+22	1,738876E+22	1,513895E+22	1,149206E+22	7,561698E+21	4,401376E+21	2,721554E+21	2,721487E+21	4,401135E+21	7,561234E+21
2665	1,149154E+22	1,513868E+22	1,738889E+22	1,738895E+22	1,513876E+22	1,149159E+22	7,561291E+21	4,401215E+21	2,721598E+21	2,721703E+21	4,401499E+21	7,561628E+21
2666	1,149175E+22	1,513847E+22	1,738810E+22	1,738773E+22	1,513780E+22	1,149135E+22	7,561526E+21	4,401556E+21	2,721812E+21	2,721719E+21	4,401314E+21	7,561282E+21
2667	1,149127E+22	1,513803E+22	1,738816E+22	1,738843E+22	1,513857E+22	1,149179E+22	7,561640E+21	4,401523E+21	2,721805E+21	2,721775E+21	4,401408E+21	7,561413E+21
2668	1,149159E+22	1,513861E+22	1,738872E+22	1,738858E+22	1,513818E+22	1,149117E+22	7,561188E+21	4,401268E+21	2,721675E+21	2,721765E+21	4,401532E+21	7,561567E+21
2669	1,149151E+22	1,513816E+22	1,738800E+22	1,738805E+22	1,513820E+22	1,149150E+22	7,561490E+21	4,401432E+21	2,721647E+21	2,721535E+21	4,401147E+21	7,561180E+21
2670	1,149132E+22	1,513841E+22	1,738885E+22	1,738909E+22	1,513900E+22	1,149184E+22	7,561310E+21	4,401057E+21	2,721373E+21	2,721447E+21	4,401282E+21	7,561542E+21
2671	1,149185E+22	1,513886E+22	1,738895E+22	1,738877E+22	1,513832E+22	1,149132E+22	7,561151E+21	4,400972E+21	2,721220E+21	2,721228E+21	4,401020E+21	7,561303E+21
2672	1,149165E+22	1,513856E+22	1,738854E+22	1,738880E+22	1,513894E+22	1,149196E+22	7,561516E+21	4,401082E+21	2,721136E+21	2,720994E+21	4,400651E+21	7,560910E+21
2673	1,149156E+22	1,513922E+22	1,738980E+22	1,738981E+22	1,513933E+22	1,149177E+22	7,561052E+21	4,400665E+21	2,720893E+21	2,720958E+21	4,400842E+21	7,561244E+21
2674	1,149183E+22	1,513920E+22	1,738948E+22	1,738916E+22	1,513856E+22	1,149141E+22	7,561056E+21	4,400743E+21	2,720884E+21	2,720822E+21	4,400611E+21	7,560962E+21
2675	1,149142E+22	1,513864E+22	1,738920E+22	1,738968E+22	1,513948E+22	1,149209E+22	7,561338E+21	4,400779E+21	2,720867E+21	2,720820E+21	4,400614E+21	7,561008E+21
2676	1,149169E+22	1,513923E+22	1,738975E+22	1,738985E+22	1,513925E+22	1,149160E+22	7,560909E+21	4,400517E+21	2,720769E+21	2,720901E+21	4,400882E+21	7,561353E+21
2677	1,149186E+22	1,513898E+22	1,738898E+22	1,738881E+22	1,513863E+22	1,149159E+22	7,561182E+21	4,400830E+21	2,720941E+21	2,720856E+21	4,400623E+21	7,560987E+21
2678	1,149153E+22	1,513890E+22	1,738940E+22	1,738950E+22	1,513921E+22	1,149194E+22	7,561262E+21	4,400814E+21	2,721021E+21	2,721065E+21	4,400915E+21	7,561285E+21
2679	1,149185E+22	1,513915E+22	1,738941E+22	1,738916E+22	1,513842E+22	1,149121E+22	7,561016E+21	4,400899E+21	2,721214E+21	2,721286E+21	4,401111E+21	7,561345E+21
2680	1,149160E+22	1,513845E+22	1,738833E+22	1,738845E+22	1,513856E+22	1,149170E+22	7,561530E+21	4,401373E+21	2,721564E+21	2,721456E+21	4,401048E+21	7,561045E+21
2681	1,149123E+22	1,513843E+22	1,738886E+22	1,738905E+22	1,513894E+22	1,149176E+22	7,561376E+21	4,401285E+21	2,721689E+21	2,721792E+21	4,401560E+21	7,561618E+21
2682	1,149163E+22	1,513832E+22	1,738816E+22	1,738790E+22	1,513772E+22	1,149114E+22	7,561393E+21	4,401559E+21	2,721965E+21	2,721980E+21	4,401630E+21	7,561537E+21
2683	1,149129E+22	1,513761E+22	1,738731E+22	1,738764E+22	1,513816E+22	1,149176E+22	7,561900E+21	4,401916E+21	2,722208E+21	2,722125E+21	4,401627E+21	7,561402E+21
2684	1,149129E+22	1,513806E+22	1,738796E+22	1,738794E+22	1,513799E+22	1,149129E+22	7,561473E+21	4,401711E+21	2,722226E+21	2,722340E+21	4,402016E+21	7,561823E+21
2685	1,149149E+22	1,513784E+22	1,738733E+22	1,738697E+22	1,513715E+22	1,149101E+22	7,561616E+21	4,401972E+21	2,722372E+21	2,722287E+21	4,401766E+21	7,561443E+21
2686	1,149104E+22	1,513749E+22	1,738746E+22	1,738776E+22	1,513807E+22	1,149156E+22	7,561759E+21	4,401918E+21	2,722332E+21	2,722325E+21	4,401880E+21	7,561612E+21
2687	1,149134E+22	1,513792E+22	1,738781E+22	1,738781E+22	1,513772E+22	1,149102E+22	7,561348E+21	4,401684E+21	2,722215E+21	2,722313E+21	4,401993E+21	7,561820E+21
2688	1,149144E+22	1,513766E+22	1,738709E+22	1,738712E+22	1,513774E+22	1,149148E+22	7,561739E+21	4,401858E+21	2,722161E+21	2,722040E+21	4,401533E+21	7,561318E+21

	1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$													
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°	
2689	1,149115E+22	1,513793E+22	1,738809E+22	1,738827E+22	1,513845E+22	1,149172E+22	7,561589E+21	4,401536E+21	2,721906E+21	2,721938E+21	4,401612E+21	7,561628E+21	
2690	1,149170E+22	1,513844E+22	1,738826E+22	1,738798E+22	1,513768E+22	1,149100E+22	7,561264E+21	4,401389E+21	2,721752E+21	2,721752E+21	4,401411E+21	7,561405E+21	
2691	1,149142E+22	1,513808E+22	1,738788E+22	1,738810E+22	1,513839E+22	1,149167E+22	7,561629E+21	4,401506E+21	2,721684E+21	2,721547E+21	4,401082E+21	7,561007E+21	
2692	1,149119E+22	1,513847E+22	1,738890E+22	1,738904E+22	1,513886E+22	1,149160E+22	7,561201E+21	4,401082E+21	2,721450E+21	2,721550E+21	4,401360E+21	7,561485E+21	
2693	1,149156E+22	1,513845E+22	1,738854E+22	1,738834E+22	1,513806E+22	1,149125E+22	7,561196E+21	4,401123E+21	2,721396E+21	2,721362E+21	4,401079E+21	7,561224E+21	
2694	1,149133E+22	1,513813E+22	1,738834E+22	1,738875E+22	1,513884E+22	1,149188E+22	7,561531E+21	4,401201E+21	2,721387E+21	2,721357E+21	4,401077E+21	7,561242E+21	
2695	1,149157E+22	1,513868E+22	1,738882E+22	1,738886E+22	1,513855E+22	1,149134E+22	7,561103E+21	4,401012E+21	2,721369E+21	2,721485E+21	4,401343E+21	7,561570E+21	
2696	1,149177E+22	1,513856E+22	1,738818E+22	1,738785E+22	1,513801E+22	1,149144E+22	7,561411E+21	4,401335E+21	2,721567E+21	2,721470E+21	4,401077E+21	7,561089E+21	
2697	1,149122E+22	1,513831E+22	1,738866E+22	1,738873E+22	1,513862E+22	1,149174E+22	7,561526E+21	4,401382E+21	2,721700E+21	2,721718E+21	4,401395E+21	7,561433E+21	
2698	1,149158E+22	1,513847E+22	1,738848E+22	1,738832E+22	1,513787E+22	1,149094E+22	7,561168E+21	4,401417E+21	2,721903E+21	2,721988E+21	4,401686E+21	7,561604E+21	
2699	1,149139E+22	1,513776E+22	1,738731E+22	1,738747E+22	1,513797E+22	1,149151E+22	7,561751E+21	4,401904E+21	2,722240E+21	2,722148E+21	4,401618E+21	7,561289E+21	
2700	1,149097E+22	1,513764E+22	1,738769E+22	1,738790E+22	1,513822E+22	1,149158E+22	7,561650E+21	4,401839E+21	2,722361E+21	2,722474E+21	4,402127E+21	7,561885E+21	
2701	1,149143E+22	1,513767E+22	1,738720E+22	1,738687E+22	1,513696E+22	1,149084E+22	7,561577E+21	4,402060E+21	2,722586E+21	2,722589E+21	4,402097E+21	7,561713E+21	
2702	1,149111E+22	1,513712E+22	1,738655E+22	1,738672E+22	1,513741E+22	1,149143E+22	7,562055E+21	4,402391E+21	2,722812E+21	2,722733E+21	4,402106E+21	7,561531E+21	
2703	1,149096E+22	1,513734E+22	1,738707E+22	1,738711E+22	1,513737E+22	1,149100E+22	7,561623E+21	4,402206E+21	2,722857E+21	2,722968E+21	4,402519E+21	7,562018E+21	
2704	1,149124E+22	1,513718E+22	1,738639E+22	1,738611E+22	1,513672E+22	1,149094E+22	7,561810E+21	4,402420E+21	2,722959E+21	2,722882E+21	4,402240E+21	7,561613E+21	
2705	1,149076E+22	1,513679E+22	1,738656E+22	1,738694E+22	1,513760E+22	1,149149E+22	7,562031E+21	4,402397E+21	2,722897E+21	2,722872E+21	4,402301E+21	7,561825E+21	
2706	1,149126E+22	1,513739E+22	1,738689E+22	1,738690E+22	1,513713E+22	1,149079E+22	7,561512E+21	4,402114E+21	2,722747E+21	2,722837E+21	4,402409E+21	7,562026E+21	
2707	1,149138E+22	1,513728E+22	1,738637E+22	1,738627E+22	1,513712E+22	1,149124E+22	7,561901E+21	4,402288E+21	2,722679E+21	2,722545E+21	4,401910E+21	7,561420E+21	
2708	1,149091E+22	1,513740E+22	1,738737E+22	1,738749E+22	1,513787E+22	1,149151E+22	7,561766E+21	4,401962E+21	2,722429E+21	2,722465E+21	4,402030E+21	7,561752E+21	
2709	1,149140E+22	1,513786E+22	1,738764E+22	1,738739E+22	1,513719E+22	1,149074E+22	7,561353E+21	4,401757E+21	2,722239E+21	2,722250E+21	4,401814E+21	7,561552E+21	
2710	1,149118E+22	1,513752E+22	1,738718E+22	1,738742E+22	1,513793E+22	1,149149E+22	7,561745E+21	4,401869E+21	2,722178E+21	2,722075E+21	4,401546E+21	7,561218E+21	
2711	1,149095E+22	1,513775E+22	1,738791E+22	1,738815E+22	1,513835E+22	1,149146E+22	7,561388E+21	4,401506E+21	2,721987E+21	2,722102E+21	4,401839E+21	7,561773E+21	
2712	1,149153E+22	1,513796E+22	1,738757E+22	1,738728E+22	1,513748E+22	1,149116E+22	7,561434E+21	4,401580E+21	2,721948E+21	2,721907E+21	4,401505E+21	7,561405E+21	
2713	1,149120E+22	1,513768E+22	1,738760E+22	1,738786E+22	1,513816E+22	1,149165E+22	7,561775E+21	4,401728E+21	2,721993E+21	2,721918E+21	4,401470E+21	7,561386E+21	
2714	1,149145E+22	1,513824E+22	1,738810E+22	1,738801E+22	1,513784E+22	1,149095E+22	7,561208E+21	4,401494E+21	2,722002E+21	2,722112E+21	4,401817E+21	7,561719E+21	
2715	1,149153E+22	1,513801E+22	1,738745E+22	1,738708E+22	1,513742E+22	1,149113E+22	7,561558E+21	4,401842E+21	2,722222E+21	2,722134E+21	4,401599E+21	7,561233E+21	
2716	1,149082E+22	1,513746E+22	1,738765E+22	1,738787E+22	1,513813E+22	1,149160E+22	7,561745E+21	4,401900E+21	2,722367E+21	2,722409E+21	4,401974E+21	7,561670E+21	
2717	1,149125E+22	1,513762E+22	1,738744E+22	1,738737E+22	1,513729E+22	1,149078E+22	7,561382E+21	4,401909E+21	2,722529E+21	2,722627E+21	4,402210E+21	7,561846E+21	
2718	1,149120E+22	1,513711E+22	1,738632E+22	1,738641E+22	1,513727E+22	1,149132E+22	7,562003E+21	4,402425E+21	2,722871E+21	2,722784E+21	4,402134E+21	7,561495E+21	
2719	1,149074E+22	1,513690E+22	1,738659E+22	1,738679E+22	1,513748E+22	1,149134E+22	7,561888E+21	4,402403E+21	2,723038E+21	2,723128E+21	4,402635E+21	7,562091E+21	
2720	1,149125E+22	1,513708E+22	1,738622E+22	1,738580E+22	1,513629E+22	1,149067E+22	7,561812E+21	4,402600E+21	2,723250E+21	2,723239E+21	4,402590E+21	7,561854E+21	
2721	1,149080E+22	1,513645E+22	1,738573E+22	1,738590E+22	1,513678E+22	1,149117E+22	7,562270E+21	4,402937E+21	2,723472E+21	2,723369E+21	4,402597E+21	7,561752E+21	
2722	1,149078E+22	1,513667E+22	1,738612E+22	1,738622E+22	1,513677E+22	1,149071E+22	7,561727E+21	4,402659E+21	2,723476E+21	2,723608E+21	4,403062E+21	7,562314E+21	
2723	1,149115E+22	1,513663E+22	1,738552E+22	1,738520E+22	1,513613E+22	1,149075E+22	7,561987E+21	4,402857E+21	2,723518E+21	2,723465E+21	4,402730E+21	7,561856E+21	
2724	1,149063E+22	1,513623E+22	1,738566E+22	1,738600E+22	1,513697E+22	1,149132E+22	7,562236E+21	4,402840E+21	2,723434E+21	2,723413E+21	4,402739E+21	7,562020E+21	

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2725	1,149111E+22	1,513695E+22	1,738625E+22	1,738613E+22	1,513654E+22	1,149055E+22	7,561631E+21	4,402499E+21	2,723233E+21	2,723309E+21	4,402747E+21	7,562111E+21
2726	1,149120E+22	1,513690E+22	1,738587E+22	1,738564E+22	1,513658E+22	1,149099E+22	7,562014E+21	4,402661E+21	2,723164E+21	2,723037E+21	4,402281E+21	7,561474E+21
2727	1,149055E+22	1,513669E+22	1,738657E+22	1,738682E+22	1,513743E+22	1,149133E+22	7,561915E+21	4,402386E+21	2,722961E+21	2,722992E+21	4,402450E+21	7,561902E+21
2728	1,149114E+22	1,513718E+22	1,738671E+22	1,738658E+22	1,513684E+22	1,149074E+22	7,561562E+21	4,402174E+21	2,722764E+21	2,722779E+21	4,402241E+21	7,561720E+21
2729	1,149094E+22	1,513685E+22	1,738631E+22	1,738657E+22	1,513739E+22	1,149137E+22	7,561999E+21	4,402340E+21	2,722720E+21	2,722594E+21	4,401957E+21	7,561455E+21
2730	1,149092E+22	1,513722E+22	1,738697E+22	1,738714E+22	1,513764E+22	1,149118E+22	7,561540E+21	4,401958E+21	2,722549E+21	2,722657E+21	4,402283E+21	7,562001E+21
2731	1,149149E+22	1,513760E+22	1,738686E+22	1,738639E+22	1,513678E+22	1,149086E+22	7,561580E+21	4,402033E+21	2,722518E+21	2,722478E+21	4,401941E+21	7,561540E+21
2732	1,149097E+22	1,513713E+22	1,738685E+22	1,738703E+22	1,513751E+22	1,149137E+22	7,561925E+21	4,402202E+21	2,722602E+21	2,722535E+21	4,401957E+21	7,561536E+21
2733	1,149113E+22	1,513760E+22	1,738740E+22	1,738734E+22	1,513732E+22	1,149070E+22	7,561317E+21	4,401938E+21	2,722596E+21	2,722715E+21	4,402299E+21	7,561899E+21
2734	1,149127E+22	1,513735E+22	1,738663E+22	1,738632E+22	1,513694E+22	1,149097E+22	7,561724E+21	4,402296E+21	2,722835E+21	2,722781E+21	4,402142E+21	7,561461E+21
2735	1,149054E+22	1,513658E+22	1,738646E+22	1,738683E+22	1,513755E+22	1,149150E+22	7,562026E+21	4,402446E+21	2,723026E+21	2,723070E+21	4,402522E+21	7,561947E+21
2736	1,149111E+22	1,513696E+22	1,738629E+22	1,738619E+22	1,513664E+22	1,149070E+22	7,561694E+21	4,402481E+21	2,723199E+21	2,723276E+21	4,402706E+21	7,562023E+21
2737	1,149098E+22	1,513649E+22	1,738540E+22	1,738536E+22	1,513646E+22	1,149106E+22	7,562278E+21	4,403026E+21	2,723567E+21	2,723434E+21	4,402605E+21	7,561677E+21
2738	1,149057E+22	1,513629E+22	1,738564E+22	1,738575E+22	1,513667E+22	1,149095E+22	7,562019E+21	4,402935E+21	2,723731E+21	2,723820E+21	4,403175E+21	7,562294E+21
2739	1,149103E+22	1,513647E+22	1,738536E+22	1,738491E+22	1,513561E+22	1,149035E+22	7,561948E+21	4,403100E+21	2,723906E+21	2,723916E+21	4,403144E+21	7,562069E+21
2740	1,149051E+22	1,513568E+22	1,738472E+22	1,738501E+22	1,513623E+22	1,149098E+22	7,562433E+21	4,403407E+21	2,724093E+21	2,724015E+21	4,403149E+21	7,562023E+21
2741	1,149058E+22	1,513604E+22	1,738526E+22	1,738535E+22	1,513620E+22	1,149053E+22	7,561886E+21	4,403074E+21	2,724009E+21	2,724149E+21	4,403505E+21	7,562541E+21
2742	1,149107E+22	1,513620E+22	1,738480E+22	1,738440E+22	1,513555E+22	1,149056E+22	7,562159E+21	4,403265E+21	2,724028E+21	2,723977E+21	4,403125E+21	7,561984E+21
2743	1,149043E+22	1,513568E+22	1,738487E+22	1,738519E+22	1,513642E+22	1,149116E+22	7,562440E+21	4,403290E+21	2,723968E+21	2,723921E+21	4,403108E+21	7,562113E+21
2744	1,149090E+22	1,513646E+22	1,738551E+22	1,738537E+22	1,513608E+22	1,149046E+22	7,561847E+21	4,402945E+21	2,723766E+21	2,723819E+21	4,403109E+21	7,562150E+21
2745	1,149084E+22	1,513626E+22	1,738518E+22	1,738504E+22	1,513614E+22	1,149084E+22	7,562216E+21	4,403126E+21	2,723716E+21	2,723558E+21	4,402682E+21	7,561651E+21
2746	1,149036E+22	1,513600E+22	1,738560E+22	1,738598E+22	1,513691E+22	1,149114E+22	7,562025E+21	4,402787E+21	2,723508E+21	2,723557E+21	4,402930E+21	7,562164E+21
2747	1,149105E+22	1,513662E+22	1,738580E+22	1,738564E+22	1,513620E+22	1,149054E+22	7,561743E+21	4,402593E+21	2,723290E+21	2,723328E+21	4,402710E+21	7,561970E+21
2748	1,149085E+22	1,513633E+22	1,738542E+22	1,738562E+22	1,513669E+22	1,149112E+22	7,562155E+21	4,402774E+21	2,723262E+21	2,723141E+21	4,402402E+21	7,561658E+21
2749	1,149079E+22	1,513684E+22	1,738638E+22	1,738634E+22	1,513694E+22	1,149084E+22	7,561617E+21	4,402351E+21	2,723072E+21	2,723177E+21	4,402672E+21	7,562120E+21
2750	1,149132E+22	1,513720E+22	1,738634E+22	1,738576E+22	1,513621E+22	1,149058E+22	7,561668E+21	4,402429E+21	2,723068E+21	2,723049E+21	4,402380E+21	7,561630E+21
2751	1,149061E+22	1,513638E+22	1,738597E+22	1,738632E+22	1,513708E+22	1,149124E+22	7,562102E+21	4,402672E+21	2,723210E+21	2,723148E+21	4,402446E+21	7,561711E+21
2752	1,149085E+22	1,513683E+22	1,738633E+22	1,738643E+22	1,513694E+22	1,149074E+22	7,561595E+21	4,402446E+21	2,723224E+21	2,723341E+21	4,402789E+21	7,562074E+21
2753	1,149098E+22	1,513657E+22	1,738558E+22	1,738537E+22	1,513633E+22	1,149088E+22	7,562062E+21	4,402884E+21	2,723499E+21	2,723408E+21	4,402634E+21	7,561724E+21
2754	1,149044E+22	1,513589E+22	1,738527E+22	1,738562E+22	1,513674E+22	1,149123E+22	7,562254E+21	4,403017E+21	2,723721E+21	2,723749E+21	4,403055E+21	7,562186E+21
2755	1,149098E+22	1,513642E+22	1,738536E+22	1,738508E+22	1,513577E+22	1,149038E+22	7,561920E+21	4,403047E+21	2,723890E+21	2,723968E+21	4,403250E+21	7,562215E+21
2756	1,149072E+22	1,513584E+22	1,738450E+22	1,738439E+22	1,513566E+22	1,149070E+22	7,562437E+21	4,403563E+21	2,724258E+21	2,724136E+21	4,403178E+21	7,561892E+21
2757	1,149029E+22	1,513565E+22	1,738485E+22	1,738494E+22	1,513600E+22	1,149061E+22	7,562102E+21	4,403389E+21	2,724359E+21	2,724467E+21	4,403709E+21	7,562540E+21
2758	1,149086E+22	1,513588E+22	1,738455E+22	1,738414E+22	1,513509E+22	1,149015E+22	7,562067E+21	4,403510E+21	2,724491E+21	2,724541E+21	4,403668E+21	7,562311E+21
2759	1,149033E+22	1,513499E+22	1,738370E+22	1,738407E+22	1,513568E+22	1,149087E+22	7,562665E+21	4,403880E+21	2,724673E+21	2,724592E+21	4,403618E+21	7,562257E+21
2760	1,149050E+22	1,513555E+22	1,738435E+22	1,738443E+22	1,513569E+22	1,149048E+22	7,562163E+21	4,403567E+21	2,724576E+21	2,724678E+21	4,403875E+21	7,562622E+21



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2761	1,149083E+22	1,513570E+22	1,738415E+22	1,738371E+22	1,513497E+22	1,149037E+22	7,562397E+21	4,403769E+21	2,724601E+21	2,724495E+21	4,403480E+21	7,562073E+21
2762	1,149019E+22	1,513505E+22	1,738402E+22	1,738440E+22	1,513582E+22	1,149089E+22	7,562576E+21	4,403744E+21	2,724547E+21	2,724493E+21	4,403542E+21	7,562221E+21
2763	1,149059E+22	1,513581E+22	1,738470E+22	1,738463E+22	1,513555E+22	1,149027E+22	7,562008E+21	4,403367E+21	2,724311E+21	2,724386E+21	4,403576E+21	7,562313E+21
2764	1,149053E+22	1,513549E+22	1,738418E+22	1,738417E+22	1,513559E+22	1,149068E+22	7,562370E+21	4,403526E+21	2,724245E+21	2,724115E+21	4,403164E+21	7,561892E+21
2765	1,149021E+22	1,513545E+22	1,738475E+22	1,738507E+22	1,513626E+22	1,149091E+22	7,562147E+21	4,403152E+21	2,723981E+21	2,724041E+21	4,403335E+21	7,562392E+21
2766	1,149104E+22	1,513629E+22	1,738512E+22	1,738485E+22	1,513558E+22	1,149029E+22	7,561839E+21	4,402946E+21	2,723768E+21	2,723820E+21	4,403097E+21	7,562117E+21
2767	1,149071E+22	1,513587E+22	1,738468E+22	1,738484E+22	1,513611E+22	1,149090E+22	7,562298E+21	4,403185E+21	2,723784E+21	2,723656E+21	4,402797E+21	7,561792E+21
2768	1,149062E+22	1,513637E+22	1,738567E+22	1,738566E+22	1,513649E+22	1,149073E+22	7,561813E+21	4,402801E+21	2,723626E+21	2,723715E+21	4,403067E+21	7,562191E+21
2769	1,149098E+22	1,513655E+22	1,738562E+22	1,738519E+22	1,513578E+22	1,149044E+22	7,561884E+21	4,402924E+21	2,723671E+21	2,723629E+21	4,402839E+21	7,561836E+21
2770	1,149040E+22	1,513562E+22	1,738487E+22	1,738536E+22	1,513652E+22	1,149110E+22	7,562313E+21	4,403168E+21	2,723852E+21	2,723804E+21	4,402985E+21	7,561962E+21
2771	1,149069E+22	1,513618E+22	1,738527E+22	1,738534E+22	1,513620E+22	1,149057E+22	7,561890E+21	4,402991E+21	2,723878E+21	2,724003E+21	4,403328E+21	7,562311E+21
2772	1,149080E+22	1,513591E+22	1,738452E+22	1,738425E+22	1,513550E+22	1,149060E+22	7,562295E+21	4,403452E+21	2,724190E+21	2,724090E+21	4,403171E+21	7,561931E+21
2773	1,149025E+22	1,513538E+22	1,738445E+22	1,738461E+22	1,513588E+22	1,149084E+22	7,562377E+21	4,403519E+21	2,724378E+21	2,724404E+21	4,403560E+21	7,562360E+21
2774	1,149077E+22	1,513587E+22	1,738460E+22	1,738428E+22	1,513508E+22	1,149003E+22	7,562014E+21	4,403515E+21	2,724543E+21	2,724648E+21	4,403794E+21	7,562388E+21
2775	1,149039E+22	1,513505E+22	1,738350E+22	1,738355E+22	1,513513E+22	1,149051E+22	7,562593E+21	4,404048E+21	2,724908E+21	2,724802E+21	4,403734E+21	7,562147E+21
2776	1,149007E+22	1,513494E+22	1,738379E+22	1,738402E+22	1,513553E+22	1,149057E+22	7,562363E+21	4,403892E+21	2,724984E+21	2,725088E+21	4,404198E+21	7,562732E+21
2777	1,149063E+22	1,513522E+22	1,738362E+22	1,738331E+22	1,513455E+22	1,149006E+22	7,562373E+21	4,404053E+21	2,725107E+21	2,725116E+21	4,404111E+21	7,562533E+21
2778	1,149023E+22	1,513441E+22	1,738269E+22	1,738306E+22	1,513502E+22	1,149067E+22	7,562876E+21	4,404384E+21	2,725292E+21	2,725190E+21	4,404059E+21	7,562396E+21
2779	1,149031E+22	1,513505E+22	1,738356E+22	1,738351E+22	1,513497E+22	1,149027E+22	7,562404E+21	4,404065E+21	2,725173E+21	2,725266E+21	4,404315E+21	7,562719E+21
2780	1,149050E+22	1,513502E+22	1,738330E+22	1,738293E+22	1,513436E+22	1,149012E+22	7,562567E+21	4,404235E+21	2,725186E+21	2,725084E+21	4,403955E+21	7,562226E+21
2781	1,148990E+22	1,513443E+22	1,738322E+22	1,738362E+22	1,513525E+22	1,149062E+22	7,562643E+21	4,404110E+21	2,725061E+21	2,725032E+21	4,404003E+21	7,562448E+21
2782	1,149044E+22	1,513524E+22	1,738386E+22	1,738386E+22	1,513505E+22	1,149009E+22	7,562100E+21	4,403694E+21	2,724788E+21	2,724909E+21	4,404035E+21	7,562555E+21
2783	1,149042E+22	1,513494E+22	1,738326E+22	1,738325E+22	1,513500E+22	1,149051E+22	7,562528E+21	4,403900E+21	2,724720E+21	2,724600E+21	4,403576E+21	7,562131E+21
2784	1,149021E+22	1,513512E+22	1,738400E+22	1,738422E+22	1,513569E+22	1,149074E+22	7,562334E+21	4,403563E+21	2,724474E+21	2,724507E+21	4,403662E+21	7,562469E+21
2785	1,149086E+22	1,513592E+22	1,738461E+22	1,738428E+22	1,513506E+22	1,149008E+22	7,562015E+21	4,403386E+21	2,724293E+21	2,724305E+21	4,403442E+21	7,562218E+21
2786	1,149050E+22	1,513532E+22	1,738392E+22	1,738414E+22	1,513560E+22	1,149066E+22	7,562426E+21	4,403621E+21	2,724361E+21	2,724232E+21	4,403239E+21	7,561906E+21
2787	1,149031E+22	1,513572E+22	1,738485E+22	1,738492E+22	1,513599E+22	1,149061E+22	7,562052E+21	4,403275E+21	2,724222E+21	2,724326E+21	4,403558E+21	7,562356E+21
2788	1,149064E+22	1,513573E+22	1,738456E+22	1,738429E+22	1,513523E+22	1,149032E+22	7,562139E+21	4,403431E+21	2,724299E+21	2,724271E+21	4,403373E+21	7,562066E+21
2789	1,149019E+22	1,513499E+22	1,738386E+22	1,738429E+22	1,513578E+22	1,149086E+22	7,562519E+21	4,403659E+21	2,724462E+21	2,724417E+21	4,403485E+21	7,562193E+21
2790	1,149056E+22	1,513567E+22	1,738438E+22	1,738437E+22	1,513548E+22	1,149030E+22	7,562054E+21	4,403473E+21	2,724508E+21	2,724645E+21	4,403831E+21	7,562488E+21
2791	1,149057E+22	1,513529E+22	1,738357E+22	1,738324E+22	1,513476E+22	1,149031E+22	7,562478E+21	4,403970E+21	2,724849E+21	2,724750E+21	4,403700E+21	7,562140E+21
2792	1,149004E+22	1,513478E+22	1,738355E+22	1,738375E+22	1,513528E+22	1,149061E+22	7,562581E+21	4,404051E+21	2,725046E+21	2,725061E+21	4,404069E+21	7,562526E+21
2793	1,149046E+22	1,513517E+22	1,738374E+22	1,738356E+22	1,513458E+22	1,148985E+22	7,562213E+21	4,404039E+21	2,725207E+21	2,725300E+21	4,404332E+21	7,562677E+21
2794	1,149022E+22	1,513429E+22	1,738234E+22	1,738250E+22	1,513452E+22	1,149034E+22	7,562805E+21	4,404553E+21	2,725569E+21	2,725480E+21	4,404297E+21	7,562431E+21
2795	1,148996E+22	1,513436E+22	1,738281E+22	1,738296E+22	1,513480E+22	1,149042E+22	7,562677E+21	4,404433E+21	2,725620E+21	2,725722E+21	4,404698E+21	7,562929E+21
2796	1,149044E+22	1,513462E+22	1,738269E+22	1,738234E+22	1,513383E+22	1,148981E+22	7,562605E+21	4,404585E+21	2,725748E+21	2,725739E+21	4,404575E+21	7,562652E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2797	1,148998E+22	1,513393E+22	1,738196E+22	1,738218E+22	1,513430E+22	1,149034E+22	7,563000E+21	4,404831E+21	2,725870E+21	2,725766E+21	4,404492E+21	7,562499E+21
2798	1,149001E+22	1,513447E+22	1,738285E+22	1,738284E+22	1,513445E+22	1,149001E+22	7,562487E+21	4,404456E+21	2,725719E+21	2,725835E+21	4,404764E+21	7,562839E+21
2799	1,149015E+22	1,513425E+22	1,738233E+22	1,738212E+22	1,513391E+22	1,148996E+22	7,562706E+21	4,404626E+21	2,725707E+21	2,725624E+21	4,404422E+21	7,562466E+21
2800	1,148974E+22	1,513381E+22	1,738225E+22	1,738275E+22	1,513478E+22	1,149053E+22	7,562857E+21	4,404513E+21	2,725550E+21	2,725515E+21	4,404393E+21	7,562633E+21
2801	1,149031E+22	1,513475E+22	1,738309E+22	1,738310E+22	1,513452E+22	1,148993E+22	7,562315E+21	4,404123E+21	2,725274E+21	2,725362E+21	4,404401E+21	7,562773E+21
2802	1,149038E+22	1,513453E+22	1,738246E+22	1,738237E+22	1,513438E+22	1,149027E+22	7,562669E+21	4,404306E+21	2,725237E+21	2,725108E+21	4,403961E+21	7,562263E+21
2803	1,149007E+22	1,513478E+22	1,738344E+22	1,738349E+22	1,513505E+22	1,149052E+22	7,562540E+21	4,404001E+21	2,725009E+21	2,725038E+21	4,404060E+21	7,562549E+21
2804	1,149054E+22	1,513532E+22	1,738391E+22	1,738367E+22	1,513460E+22	1,148985E+22	7,562174E+21	4,403838E+21	2,724868E+21	2,724882E+21	4,403895E+21	7,562341E+21
2805	1,149020E+22	1,513474E+22	1,738315E+22	1,738340E+22	1,513511E+22	1,149046E+22	7,562538E+21	4,404022E+21	2,724913E+21	2,724810E+21	4,403722E+21	7,562121E+21
2806	1,149010E+22	1,513508E+22	1,738392E+22	1,738408E+22	1,513549E+22	1,149048E+22	7,562229E+21	4,403697E+21	2,724788E+21	2,724922E+21	4,404055E+21	7,562582E+21
2807	1,149045E+22	1,513505E+22	1,738349E+22	1,738324E+22	1,513459E+22	1,149015E+22	7,562381E+21	4,403928E+21	2,724900E+21	2,724874E+21	4,403876E+21	7,562328E+21
2808	1,149010E+22	1,513449E+22	1,738292E+22	1,738326E+22	1,513507E+22	1,149061E+22	7,562749E+21	4,404190E+21	2,725098E+21	2,725027E+21	4,403937E+21	7,562327E+21
2809	1,149030E+22	1,513510E+22	1,738360E+22	1,738355E+22	1,513481E+22	1,149002E+22	7,562259E+21	4,404016E+21	2,725170E+21	2,725283E+21	4,404332E+21	7,562690E+21
2810	1,149032E+22	1,513458E+22	1,738257E+22	1,738231E+22	1,513411E+22	1,149002E+22	7,562615E+21	4,404474E+21	2,725534E+21	2,725454E+21	4,404268E+21	7,562358E+21
2811	1,148977E+22	1,513407E+22	1,738256E+22	1,738278E+22	1,513462E+22	1,149041E+22	7,562823E+21	4,404580E+21	2,725725E+21	2,725759E+21	4,404642E+21	7,562766E+21
2812	1,149019E+22	1,513436E+22	1,738261E+22	1,738256E+22	1,513397E+22	1,148969E+22	7,562482E+21	4,404589E+21	2,725882E+21	2,725978E+21	4,404880E+21	7,562914E+21
2813	1,149006E+22	1,513376E+22	1,738140E+22	1,738143E+22	1,513378E+22	1,149008E+22	7,563001E+21	4,405051E+21	2,726189E+21	2,726097E+21	4,404784E+21	7,562637E+21
2814	1,148981E+22	1,513386E+22	1,738200E+22	1,738206E+22	1,513413E+22	1,149017E+22	7,562851E+21	4,404910E+21	2,726227E+21	2,726326E+21	4,405148E+21	7,563043E+21
2815	1,149015E+22	1,513399E+22	1,738183E+22	1,738146E+22	1,513322E+22	1,148958E+22	7,562801E+21	4,405065E+21	2,726339E+21	2,726329E+21	4,405043E+21	7,562809E+21
2816	1,148971E+22	1,513329E+22	1,738111E+22	1,738141E+22	1,513380E+22	1,149014E+22	7,563177E+21	4,405290E+21	2,726440E+21	2,726325E+21	4,404926E+21	7,562630E+21
2817	1,148969E+22	1,513376E+22	1,738200E+22	1,738214E+22	1,513404E+22	1,148988E+22	7,562665E+21	4,404887E+21	2,726257E+21	2,726368E+21	4,405221E+21	7,563108E+21
2818	1,149002E+22	1,513358E+22	1,738128E+22	1,738113E+22	1,513333E+22	1,148980E+22	7,562871E+21	4,405032E+21	2,726235E+21	2,726168E+21	4,404885E+21	7,562729E+21
2819	1,148971E+22	1,513341E+22	1,738147E+22	1,738180E+22	1,513406E+22	1,149031E+22	7,563092E+21	4,404959E+21	2,726072E+21	2,726028E+21	4,404797E+21	7,562807E+21
2820	1,149018E+22	1,513432E+22	1,738241E+22	1,738232E+22	1,513391E+22	1,148967E+22	7,562477E+21	4,404566E+21	2,725814E+21	2,725883E+21	4,404779E+21	7,562861E+21
2821	1,149019E+22	1,513420E+22	1,738196E+22	1,738169E+22	1,513379E+22	1,148995E+22	7,562735E+21	4,404674E+21	2,725739E+21	2,725619E+21	4,404354E+21	7,562364E+21
2822	1,148980E+22	1,513426E+22	1,738284E+22	1,738296E+22	1,513467E+22	1,149031E+22	7,562620E+21	4,404365E+21	2,725521E+21	2,725571E+21	4,404479E+21	7,562657E+21
2823	1,149019E+22	1,513457E+22	1,738297E+22	1,738290E+22	1,513423E+22	1,148977E+22	7,562360E+21	4,404247E+21	2,725399E+21	2,725433E+21	4,404365E+21	7,562568E+21
2824	1,149000E+22	1,513405E+22	1,738214E+22	1,738249E+22	1,513464E+22	1,149039E+22	7,562807E+21	4,404494E+21	2,725466E+21	2,725352E+21	4,404152E+21	7,562305E+21
2825	1,148991E+22	1,513445E+22	1,738301E+22	1,738319E+22	1,513493E+22	1,149032E+22	7,562482E+21	4,404207E+21	2,725371E+21	2,725474E+21	4,404499E+21	7,562810E+21
2826	1,149031E+22	1,513446E+22	1,738247E+22	1,738213E+22	1,513384E+22	1,148987E+22	7,562571E+21	4,404442E+21	2,725544E+21	2,725514E+21	4,404379E+21	7,562528E+21
2827	1,148992E+22	1,513398E+22	1,738214E+22	1,738228E+22	1,513424E+22	1,149030E+22	7,562984E+21	4,404733E+21	2,725763E+21	2,725693E+21	4,404464E+21	7,562507E+21
2828	1,149000E+22	1,513438E+22	1,738270E+22	1,738269E+22	1,513417E+22	1,148972E+22	7,562427E+21	4,404552E+21	2,725863E+21	2,725983E+21	4,404897E+21	7,562904E+21
2829	1,149007E+22	1,513396E+22	1,738167E+22	1,738136E+22	1,513347E+22	1,148975E+22	7,562733E+21	4,404929E+21	2,726173E+21	2,726128E+21	4,404839E+21	7,562648E+21
2830	1,148963E+22	1,513346E+22	1,738162E+22	1,738184E+22	1,513402E+22	1,149022E+22	7,562999E+21	4,405052E+21	2,726349E+21	2,726404E+21	4,405164E+21	7,562998E+21
2831	1,149002E+22	1,513373E+22	1,738159E+22	1,738150E+22	1,513333E+22	1,148951E+22	7,562729E+21	4,405116E+21	2,726515E+21	2,726600E+21	4,405369E+21	7,563120E+21
2832	1,148991E+22	1,513321E+22	1,738055E+22	1,738053E+22	1,513315E+22	1,148987E+22	7,563241E+21	4,405588E+21	2,726822E+21	2,726694E+21	4,405204E+21	7,562713E+21

1 Longitude ⊙ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2833	1,148947E+22	1,513320E+22	1,738124E+22	1,738136E+22	1,513360E+22	1,148995E+22	7,563065E+21	4,405433E+21	2,726847E+21	2,726917E+21	4,405605E+21	7,563189E+21
2834	1,148980E+22	1,513318E+22	1,738081E+22	1,738056E+22	1,513267E+22	1,148938E+22	7,562968E+21	4,405547E+21	2,726963E+21	2,726962E+21	4,405561E+21	7,563017E+21
2835	1,148945E+22	1,513258E+22	1,738016E+22	1,738043E+22	1,513316E+22	1,148999E+22	7,563418E+21	4,405761E+21	2,727025E+21	2,726924E+21	4,405429E+21	7,562868E+21
2836	1,148949E+22	1,513305E+22	1,738098E+22	1,738117E+22	1,513345E+22	1,148971E+22	7,562886E+21	4,405354E+21	2,726822E+21	2,726930E+21	4,405676E+21	7,563324E+21
2837	1,148996E+22	1,513322E+22	1,738054E+22	1,738020E+22	1,513265E+22	1,148951E+22	7,562969E+21	4,405409E+21	2,726732E+21	2,726672E+21	4,405289E+21	7,562927E+21
2838	1,148966E+22	1,513310E+22	1,738091E+22	1,738109E+22	1,513349E+22	1,149003E+22	7,563163E+21	4,405324E+21	2,726563E+21	2,726520E+21	4,405164E+21	7,562909E+21
2839	1,148997E+22	1,513384E+22	1,738178E+22	1,738167E+22	1,513346E+22	1,148948E+22	7,562615E+21	4,404957E+21	2,726308E+21	2,726379E+21	4,405175E+21	7,563001E+21
2840	1,148996E+22	1,513364E+22	1,738131E+22	1,738114E+22	1,513344E+22	1,148979E+22	7,562874E+21	4,405072E+21	2,726243E+21	2,726118E+21	4,404741E+21	7,562485E+21
2841	1,148950E+22	1,513356E+22	1,738203E+22	1,738232E+22	1,513435E+22	1,149026E+22	7,562827E+21	4,404786E+21	2,726034E+21	2,726083E+21	4,404916E+21	7,562888E+21
2842	1,149001E+22	1,513385E+22	1,738190E+22	1,738187E+22	1,513365E+22	1,148967E+22	7,562590E+21	4,404702E+21	2,725958E+21	2,726002E+21	4,404837E+21	7,562807E+21
2843	1,148991E+22	1,513356E+22	1,738126E+22	1,738137E+22	1,513380E+22	1,149016E+22	7,563076E+21	4,405012E+21	2,726072E+21	2,725943E+21	4,404607E+21	7,562479E+21
2844	1,148972E+22	1,513388E+22	1,738214E+22	1,738221E+22	1,513419E+22	1,149002E+22	7,562679E+21	4,404744E+21	2,726026E+21	2,726109E+21	4,404965E+21	7,562934E+21
2845	1,149010E+22	1,513399E+22	1,738175E+22	1,738125E+22	1,513310E+22	1,148948E+22	7,562638E+21	4,404893E+21	2,726170E+21	2,726160E+21	4,404898E+21	7,562720E+21
2846	1,148967E+22	1,513335E+22	1,738135E+22	1,738153E+22	1,513369E+22	1,148999E+22	7,563050E+21	4,405181E+21	2,726395E+21	2,726348E+21	4,404998E+21	7,562716E+21
2847	1,148971E+22	1,513358E+22	1,738166E+22	1,738175E+22	1,513366E+22	1,148958E+22	7,562637E+21	4,405038E+21	2,726490E+21	2,726631E+21	4,405448E+21	7,563184E+21
2848	1,148991E+22	1,513325E+22	1,738067E+22	1,738042E+22	1,513290E+22	1,148961E+22	7,563002E+21	4,405459E+21	2,726800E+21	2,726741E+21	4,405316E+21	7,562837E+21
2849	1,148942E+22	1,513282E+22	1,738070E+22	1,738094E+22	1,513346E+22	1,149009E+22	7,563280E+21	4,405610E+21	2,726988E+21	2,727009E+21	4,405630E+21	7,563179E+21
2850	1,148978E+22	1,513307E+22	1,738058E+22	1,738043E+22	1,513264E+22	1,148932E+22	7,562977E+21	4,405677E+21	2,727196E+21	2,727265E+21	4,405873E+21	7,563275E+21
2851	1,148963E+22	1,513259E+22	1,737972E+22	1,737956E+22	1,513239E+22	1,148964E+22	7,563511E+21	4,406153E+21	2,727500E+21	2,727361E+21	4,405725E+21	7,562878E+21
2852	1,148912E+22	1,513237E+22	1,738023E+22	1,738049E+22	1,513304E+22	1,148973E+22	7,563253E+21	4,405958E+21	2,727512E+21	2,727579E+21	4,406133E+21	7,563399E+21
2853	1,148959E+22	1,513255E+22	1,737982E+22	1,737956E+22	1,513202E+22	1,148913E+22	7,563074E+21	4,405953E+21	2,727532E+21	2,727568E+21	4,406096E+21	7,563335E+21
2854	1,148940E+22	1,513208E+22	1,737930E+22	1,737953E+22	1,513251E+22	1,148973E+22	7,563522E+21	4,406153E+21	2,727546E+21	2,727461E+21	4,405881E+21	7,563114E+21
2855	1,148944E+22	1,513262E+22	1,738018E+22	1,738024E+22	1,513278E+22	1,148947E+22	7,563039E+21	4,405764E+21	2,727328E+21	2,727430E+21	4,406074E+21	7,563510E+21
2856	1,148988E+22	1,513286E+22	1,737999E+22	1,737957E+22	1,513211E+22	1,148927E+22	7,563100E+21	4,405802E+21	2,727221E+21	2,727140E+21	4,405612E+21	7,562972E+21
2857	1,148940E+22	1,513263E+22	1,738040E+22	1,738065E+22	1,513314E+22	1,148988E+22	7,563290E+21	4,405708E+21	2,727042E+21	2,726986E+21	4,405519E+21	7,562993E+21
2858	1,148963E+22	1,513312E+22	1,738090E+22	1,738095E+22	1,513307E+22	1,148939E+22	7,562771E+21	4,405362E+21	2,726834E+21	2,726908E+21	4,405593E+21	7,563144E+21
2859	1,148970E+22	1,513297E+22	1,738043E+22	1,738027E+22	1,513289E+22	1,148975E+22	7,563152E+21	4,405527E+21	2,726784E+21	2,726658E+21	4,405178E+21	7,562668E+21
2860	1,148927E+22	1,513281E+22	1,738098E+22	1,738137E+22	1,513377E+22	1,149013E+22	7,563085E+21	4,405287E+21	2,726613E+21	2,726642E+21	4,405340E+21	7,563046E+21
2861	1,148988E+22	1,513340E+22	1,738104E+22	1,738084E+22	1,513289E+22	1,148938E+22	7,562724E+21	4,405143E+21	2,726524E+21	2,726574E+21	4,405297E+21	7,563013E+21
2862	1,148980E+22	1,513314E+22	1,738057E+22	1,738053E+22	1,513308E+22	1,148980E+22	7,563155E+21	4,405450E+21	2,726657E+21	2,726534E+21	4,405069E+21	7,562635E+21
2863	1,148949E+22	1,513330E+22	1,738133E+22	1,738137E+22	1,513354E+22	1,148973E+22	7,562812E+21	4,405209E+21	2,726633E+21	2,726730E+21	4,405479E+21	7,563152E+21
2864	1,148988E+22	1,513332E+22	1,738094E+22	1,738056E+22	1,513262E+22	1,148926E+22	7,562766E+21	4,405350E+21	2,726781E+21	2,726780E+21	4,405398E+21	7,562927E+21
2865	1,148943E+22	1,513264E+22	1,738042E+22	1,738076E+22	1,513326E+22	1,148991E+22	7,563257E+21	4,405658E+21	2,727002E+21	2,726965E+21	4,405525E+21	7,562993E+21
2866	1,148953E+22	1,513285E+22	1,738051E+22	1,738063E+22	1,513301E+22	1,148948E+22	7,562923E+21	4,405593E+21	2,727157E+21	2,727292E+21	4,405976E+21	7,563429E+21
2867	1,148978E+22	1,513271E+22	1,737976E+22	1,737932E+22	1,513207E+22	1,148942E+22	7,563330E+21	4,406066E+21	2,727503E+21	2,727417E+21	4,405822E+21	7,562997E+21
2868	1,148914E+22	1,513211E+22	1,737973E+22	1,737997E+22	1,513276E+22	1,148985E+22	7,563539E+21	4,406218E+21	2,727716E+21	2,727708E+21	4,406130E+21	7,563276E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ☉	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2869	1,148947E+22	1,513245E+22	1,737970E+22	1,737949E+22	1,513191E+22	1,148900E+22	7,563104E+21	4,406173E+21	2,727862E+21	2,727952E+21	4,406433E+21	7,563489E+21
2870	1,148936E+22	1,513187E+22	1,737878E+22	1,737869E+22	1,513177E+22	1,148935E+22	7,563601E+21	4,406605E+21	2,728124E+21	2,728007E+21	4,406267E+21	7,563127E+21
2871	1,148890E+22	1,513161E+22	1,737912E+22	1,737946E+22	1,513242E+22	1,148958E+22	7,563448E+21	4,406407E+21	2,728085E+21	2,728171E+21	4,406647E+21	7,563700E+21
2872	1,148953E+22	1,513197E+22	1,737893E+22	1,737871E+22	1,513142E+22	1,148891E+22	7,563242E+21	4,406378E+21	2,728054E+21	2,728079E+21	4,406496E+21	7,563523E+21
2873	1,148932E+22	1,513166E+22	1,737860E+22	1,737880E+22	1,513199E+22	1,148954E+22	7,563675E+21	4,406563E+21	2,728042E+21	2,727938E+21	4,406252E+21	7,563259E+21
2874	1,148927E+22	1,513216E+22	1,737946E+22	1,737944E+22	1,513221E+22	1,148931E+22	7,563219E+21	4,406194E+21	2,727854E+21	2,727941E+21	4,406452E+21	7,563601E+21
2875	1,148964E+22	1,513239E+22	1,737942E+22	1,737892E+22	1,513155E+22	1,148910E+22	7,563305E+21	4,406245E+21	2,727759E+21	2,727666E+21	4,406006E+21	7,563054E+21
2876	1,148905E+22	1,513189E+22	1,737956E+22	1,738001E+22	1,513278E+22	1,148978E+22	7,563478E+21	4,406152E+21	2,727599E+21	2,727532E+21	4,405924E+21	7,563101E+21
2877	1,148940E+22	1,513254E+22	1,738000E+22	1,738007E+22	1,513254E+22	1,148925E+22	7,562911E+21	4,405736E+21	2,727344E+21	2,727447E+21	4,406052E+21	7,563380E+21
2878	1,148960E+22	1,513245E+22	1,737957E+22	1,737938E+22	1,513224E+22	1,148950E+22	7,563283E+21	4,405936E+21	2,727305E+21	2,727182E+21	4,405608E+21	7,562877E+21
2879	1,148917E+22	1,513231E+22	1,738009E+22	1,738038E+22	1,513305E+22	1,148988E+22	7,563257E+21	4,405734E+21	2,727163E+21	2,727187E+21	4,405774E+21	7,563234E+21
2880	1,148974E+22	1,513291E+22	1,738037E+22	1,738013E+22	1,513225E+22	1,148907E+22	7,562840E+21	4,405575E+21	2,727084E+21	2,727128E+21	4,405717E+21	7,563130E+21
2881	1,148955E+22	1,513258E+22	1,737990E+22	1,737994E+22	1,513262E+22	1,148957E+22	7,563259E+21	4,405874E+21	2,727223E+21	2,727113E+21	4,405553E+21	7,562819E+21
2882	1,148919E+22	1,513255E+22	1,738034E+22	1,738048E+22	1,513301E+22	1,148961E+22	7,563002E+21	4,405686E+21	2,727259E+21	2,727370E+21	4,406006E+21	7,563388E+21
2883	1,148967E+22	1,513264E+22	1,737996E+22	1,737958E+22	1,513198E+22	1,148918E+22	7,563072E+21	4,405887E+21	2,727432E+21	2,727431E+21	4,405918E+21	7,563152E+21
2884	1,148923E+22	1,513190E+22	1,737932E+22	1,737974E+22	1,513264E+22	1,148979E+22	7,563565E+21	4,406248E+21	2,727693E+21	2,727626E+21	4,406004E+21	7,563148E+21
2885	1,148938E+22	1,513234E+22	1,737954E+22	1,737953E+22	1,513222E+22	1,148923E+22	7,563132E+21	4,406131E+21	2,727835E+21	2,727966E+21	4,406501E+21	7,563630E+21
2886	1,148958E+22	1,513215E+22	1,737894E+22	1,737843E+22	1,513132E+22	1,148909E+22	7,563495E+21	4,406602E+21	2,728181E+21	2,728090E+21	4,406352E+21	7,563179E+21
2887	1,148886E+22	1,513139E+22	1,737874E+22	1,737903E+22	1,513206E+22	1,148957E+22	7,563714E+21	4,406740E+21	2,728383E+21	2,728385E+21	4,406693E+21	7,563514E+21
2888	1,148921E+22	1,513167E+22	1,737874E+22	1,737869E+22	1,513135E+22	1,148876E+22	7,563246E+21	4,406636E+21	2,728480E+21	2,728584E+21	4,406957E+21	7,563734E+21
2889	1,148918E+22	1,513121E+22	1,737782E+22	1,737784E+22	1,513125E+22	1,148920E+22	7,563762E+21	4,407024E+21	2,728672E+21	2,728579E+21	4,406768E+21	7,563401E+21
2890	1,148879E+22	1,513102E+22	1,737809E+22	1,737836E+22	1,513169E+22	1,148939E+22	7,563667E+21	4,406883E+21	2,728660E+21	2,728733E+21	4,407089E+21	7,563905E+21
2891	1,148945E+22	1,513160E+22	1,737823E+22	1,737781E+22	1,513070E+22	1,148871E+22	7,563476E+21	4,406867E+21	2,728631E+21	2,728624E+21	4,406879E+21	7,563607E+21
2892	1,148907E+22	1,513114E+22	1,737792E+22	1,737814E+22	1,513148E+22	1,148934E+22	7,563854E+21	4,407034E+21	2,728622E+21	2,728485E+21	4,406613E+21	7,563274E+21
2893	1,148898E+22	1,513165E+22	1,737877E+22	1,737877E+22	1,513171E+22	1,148909E+22	7,563323E+21	4,406582E+21	2,728386E+21	2,728489E+21	4,406887E+21	7,563732E+21
2894	1,148935E+22	1,513174E+22	1,737864E+22	1,737829E+22	1,513112E+22	1,148893E+22	7,563414E+21	4,406620E+21	2,728267E+21	2,728190E+21	4,406444E+21	7,563235E+21
2895	1,148881E+22	1,513117E+22	1,737851E+22	1,737908E+22	1,513225E+22	1,148968E+22	7,563689E+21	4,406556E+21	2,728100E+21	2,728049E+21	4,406367E+21	7,563326E+21
2896	1,148926E+22	1,513193E+22	1,737912E+22	1,737927E+22	1,513196E+22	1,148905E+22	7,563085E+21	4,406143E+21	2,727839E+21	2,727936E+21	4,406436E+21	7,563545E+21
2897	1,148949E+22	1,513201E+22	1,737883E+22	1,737862E+22	1,513168E+22	1,148928E+22	7,563416E+21	4,406330E+21	2,727805E+21	2,727686E+21	4,406022E+21	7,563045E+21
2898	1,148900E+22	1,513181E+22	1,737929E+22	1,737949E+22	1,513236E+22	1,148964E+22	7,563434E+21	4,406194E+21	2,727737E+21	2,727757E+21	4,406226E+21	7,563405E+21
2899	1,148955E+22	1,513242E+22	1,737967E+22	1,737937E+22	1,513164E+22	1,148886E+22	7,563029E+21	4,406055E+21	2,727693E+21	2,727738E+21	4,406204E+21	7,563313E+21
2900	1,148928E+22	1,513186E+22	1,737896E+22	1,737918E+22	1,513217E+22	1,148945E+22	7,563453E+21	4,406360E+21	2,727858E+21	2,727752E+21	4,406047E+21	7,563018E+21
2901	1,148904E+22	1,513198E+22	1,737935E+22	1,737948E+22	1,513236E+22	1,148944E+22	7,563200E+21	4,406149E+21	2,727872E+21	2,728011E+21	4,406549E+21	7,563668E+21
2902	1,148958E+22	1,513212E+22	1,737905E+22	1,737862E+22	1,513124E+22	1,148890E+22	7,563269E+21	4,406407E+21	2,728075E+21	2,728068E+21	4,406422E+21	7,563359E+21
2903	1,148906E+22	1,513133E+22	1,737835E+22	1,737868E+22	1,513188E+22	1,148954E+22	7,563806E+21	4,406804E+21	2,728369E+21	2,728291E+21	4,406512E+21	7,563306E+21
2904	1,148910E+22	1,513168E+22	1,737875E+22	1,737877E+22	1,513156E+22	1,148893E+22	7,563301E+21	4,406650E+21	2,728497E+21	2,728620E+21	4,406991E+21	7,563745E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2905	1,148923E+22	1,513141E+22	1,737803E+22	1,737767E+22	1,513080E+22	1,148886E+22	7,563644E+21	4,407085E+21	2,728816E+21	2,728743E+21	4,406901E+21	7,563386E+21
2906	1,148853E+22	1,513053E+22	1,737756E+22	1,737795E+22	1,513142E+22	1,148942E+22	7,563951E+21	4,407258E+21	2,729035E+21	2,729044E+21	4,407243E+21	7,563779E+21
2907	1,148902E+22	1,513098E+22	1,737768E+22	1,737759E+22	1,513064E+22	1,148863E+22	7,563529E+21	4,407165E+21	2,729113E+21	2,729210E+21	4,407460E+21	7,563962E+21
2908	1,148901E+22	1,513058E+22	1,737682E+22	1,737687E+22	1,513063E+22	1,148902E+22	7,563998E+21	4,407543E+21	2,729297E+21	2,729172E+21	4,407190E+21	7,563546E+21
2909	1,148869E+22	1,513066E+22	1,737732E+22	1,737742E+22	1,513097E+22	1,148911E+22	7,563816E+21	4,407326E+21	2,729236E+21	2,729311E+21	4,407534E+21	7,564061E+21
2910	1,148928E+22	1,513117E+22	1,737762E+22	1,737717E+22	1,513012E+22	1,148841E+22	7,563587E+21	4,407295E+21	2,729182E+21	2,729171E+21	4,407303E+21	7,563725E+21
2911	1,148879E+22	1,513053E+22	1,737713E+22	1,737746E+22	1,513102E+22	1,148915E+22	7,564000E+21	4,407446E+21	2,729155E+21	2,729030E+21	4,407059E+21	7,563437E+21
2912	1,148869E+22	1,513093E+22	1,737796E+22	1,737817E+22	1,513133E+22	1,148896E+22	7,563462E+21	4,406945E+21	2,728872E+21	2,728989E+21	4,407300E+21	7,563913E+21
2913	1,148916E+22	1,513113E+22	1,737776E+22	1,737753E+22	1,513070E+22	1,148884E+22	7,563592E+21	4,406976E+21	2,728717E+21	2,728667E+21	4,406873E+21	7,563464E+21
2914	1,148870E+22	1,513065E+22	1,737754E+22	1,737802E+22	1,513154E+22	1,148950E+22	7,563916E+21	4,407000E+21	2,728616E+21	2,728553E+21	4,406773E+21	7,563519E+21
2915	1,148918E+22	1,513156E+22	1,737841E+22	1,737836E+22	1,513126E+22	1,148883E+22	7,563294E+21	4,406607E+21	2,728395E+21	2,728472E+21	4,406832E+21	7,563655E+21
2916	1,148926E+22	1,513152E+22	1,737815E+22	1,737794E+22	1,513115E+22	1,148904E+22	7,563558E+21	4,406780E+21	2,728386E+21	2,728254E+21	4,406425E+21	7,563136E+21
2917	1,148878E+22	1,513133E+22	1,737855E+22	1,737871E+22	1,513177E+22	1,148936E+22	7,563525E+21	4,406603E+21	2,728311E+21	2,728357E+21	4,406727E+21	7,563618E+21
2918	1,148934E+22	1,513181E+22	1,737885E+22	1,737865E+22	1,513115E+22	1,148864E+22	7,563167E+21	4,406487E+21	2,728267E+21	2,728330E+21	4,406702E+21	7,563548E+21
2919	1,148909E+22	1,513120E+22	1,737793E+22	1,737821E+22	1,513157E+22	1,148930E+22	7,563693E+21	4,406844E+21	2,728453E+21	2,728357E+21	4,406545E+21	7,563242E+21
2920	1,148885E+22	1,513134E+22	1,737845E+22	1,737862E+22	1,513173E+22	1,148923E+22	7,563431E+21	4,406655E+21	2,728483E+21	2,728605E+21	4,406994E+21	7,563810E+21
2921	1,148936E+22	1,513157E+22	1,737822E+22	1,737778E+22	1,513067E+22	1,148870E+22	7,563481E+21	4,406905E+21	2,728695E+21	2,728691E+21	4,406918E+21	7,563502E+21
2922	1,148874E+22	1,513064E+22	1,737735E+22	1,737763E+22	1,513113E+22	1,148930E+22	7,564057E+21	4,407375E+21	2,729062E+21	2,728973E+21	4,407051E+21	7,563486E+21
2923	1,148877E+22	1,513094E+22	1,737776E+22	1,737781E+22	1,513092E+22	1,148873E+22	7,563541E+21	4,407222E+21	2,729209E+21	2,729325E+21	4,407552E+21	7,563957E+21
2924	1,148892E+22	1,513056E+22	1,737689E+22	1,737671E+22	1,513026E+22	1,148871E+22	7,563860E+21	4,407616E+21	2,729505E+21	2,729433E+21	4,407443E+21	7,563642E+21
2925	1,148842E+22	1,512993E+22	1,737646E+22	1,737678E+22	1,513062E+22	1,148915E+22	7,564140E+21	4,407745E+21	2,729669E+21	2,729701E+21	4,407804E+21	7,564094E+21
2926	1,148897E+22	1,513052E+22	1,737683E+22	1,737662E+22	1,512987E+22	1,148829E+22	7,563690E+21	4,407656E+21	2,729722E+21	2,729810E+21	4,407937E+21	7,564174E+21
2927	1,148889E+22	1,513012E+22	1,737604E+22	1,737596E+22	1,512993E+22	1,148875E+22	7,564163E+21	4,408009E+21	2,729888E+21	2,729763E+21	4,407644E+21	7,563681E+21
2928	1,148842E+22	1,513010E+22	1,737673E+22	1,737686E+22	1,513045E+22	1,148885E+22	7,563942E+21	4,407742E+21	2,729780E+21	2,729854E+21	4,407940E+21	7,564147E+21
2929	1,148896E+22	1,513054E+22	1,737689E+22	1,737662E+22	1,512983E+22	1,148828E+22	7,563715E+21	4,407661E+21	2,729675E+21	2,729692E+21	4,407743E+21	7,563873E+21
2930	1,148848E+22	1,512977E+22	1,737610E+22	1,737653E+22	1,513054E+22	1,148910E+22	7,564238E+21	4,407875E+21	2,729673E+21	2,729551E+21	4,407494E+21	7,563643E+21
2931	1,148850E+22	1,513031E+22	1,737701E+22	1,737721E+22	1,513077E+22	1,148889E+22	7,563731E+21	4,407403E+21	2,729394E+21	2,729492E+21	4,407692E+21	7,564077E+21
2932	1,148899E+22	1,513057E+22	1,737687E+22	1,737664E+22	1,513015E+22	1,148868E+22	7,563804E+21	4,407433E+21	2,729255E+21	2,729173E+21	4,407232E+21	7,563602E+21
2933	1,148864E+22	1,513032E+22	1,737685E+22	1,737709E+22	1,513079E+22	1,148918E+22	7,564039E+21	4,407409E+21	2,729146E+21	2,729091E+21	4,407208E+21	7,563701E+21
2934	1,148904E+22	1,513119E+22	1,737787E+22	1,737770E+22	1,513063E+22	1,148846E+22	7,563378E+21	4,407022E+21	2,728934E+21	2,729017E+21	4,407278E+21	7,563826E+21
2935	1,148904E+22	1,513095E+22	1,737739E+22	1,737723E+22	1,513067E+22	1,148882E+22	7,563667E+21	4,407181E+21	2,728937E+21	2,728833E+21	4,406913E+21	7,563347E+21
2936	1,148854E+22	1,513067E+22	1,737778E+22	1,737808E+22	1,513135E+22	1,148919E+22	7,563656E+21	4,406986E+21	2,728837E+21	2,728905E+21	4,407176E+21	7,563820E+21
2937	1,148917E+22	1,513122E+22	1,737795E+22	1,737783E+22	1,513070E+22	1,148853E+22	7,563368E+21	4,406907E+21	2,728800E+21	2,728882E+21	4,407166E+21	7,563745E+21
2938	1,148891E+22	1,513060E+22	1,737693E+22	1,737711E+22	1,513085E+22	1,148913E+22	7,563990E+21	4,407398E+21	2,729087E+21	2,728962E+21	4,407005E+21	7,563403E+21
2939	1,148862E+22	1,513076E+22	1,737758E+22	1,737764E+22	1,513104E+22	1,148904E+22	7,563711E+21	4,407243E+21	2,729174E+21	2,729263E+21	4,407466E+21	7,563896E+21
2940	1,148898E+22	1,513081E+22	1,737727E+22	1,737692E+22	1,513011E+22	1,148849E+22	7,563713E+21	4,407483E+21	2,729413E+21	2,729391E+21	4,407433E+21	7,563651E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2941	1,148845E+22	1,512991E+22	1,737629E+22	1,737656E+22	1,513041E+22	1,148901E+22	7,564219E+21	4,407890E+21	2,729754E+21	2,729694E+21	4,407666E+21	7,563784E+21
2942	1,148855E+22	1,513018E+22	1,737668E+22	1,737677E+22	1,513022E+22	1,148845E+22	7,563721E+21	4,407733E+21	2,729867E+21	2,730004E+21	4,408135E+21	7,564269E+21
2943	1,148878E+22	1,512987E+22	1,737577E+22	1,737557E+22	1,512952E+22	1,148847E+22	7,564070E+21	4,408116E+21	2,730137E+21	2,730079E+21	4,407982E+21	7,563918E+21
2944	1,148829E+22	1,512939E+22	1,737565E+22	1,737591E+22	1,512993E+22	1,148884E+22	7,564292E+21	4,408211E+21	2,730259E+21	2,730282E+21	4,408248E+21	7,564267E+21
2945	1,148883E+22	1,513008E+22	1,737614E+22	1,737589E+22	1,512935E+22	1,148808E+22	7,563852E+21	4,408087E+21	2,730274E+21	2,730372E+21	4,408381E+21	7,564298E+21
2946	1,148861E+22	1,512954E+22	1,737527E+22	1,737515E+22	1,512935E+22	1,148856E+22	7,564383E+21	4,408498E+21	2,730472E+21	2,730335E+21	4,408093E+21	7,563824E+21
2947	1,148812E+22	1,512943E+22	1,737590E+22	1,737612E+22	1,513004E+22	1,148877E+22	7,564166E+21	4,408220E+21	2,730360E+21	2,730419E+21	4,408374E+21	7,564279E+21
2948	1,148865E+22	1,512978E+22	1,737592E+22	1,737583E+22	1,512947E+22	1,148825E+22	7,563948E+21	4,408107E+21	2,730225E+21	2,730233E+21	4,408157E+21	7,564065E+21
2949	1,148839E+22	1,512926E+22	1,737515E+22	1,737543E+22	1,512980E+22	1,148887E+22	7,564420E+21	4,408297E+21	2,730196E+21	2,730085E+21	4,407945E+21	7,563894E+21
2950	1,148846E+22	1,512990E+22	1,737626E+22	1,737631E+22	1,513006E+22	1,148856E+22	7,563869E+21	4,407839E+21	2,729917E+21	2,730000E+21	4,408090E+21	7,564246E+21
2951	1,148887E+22	1,513016E+22	1,737620E+22	1,737585E+22	1,512950E+22	1,148836E+22	7,563897E+21	4,407828E+21	2,729779E+21	2,729705E+21	4,407648E+21	7,563732E+21
2952	1,148838E+22	1,512981E+22	1,737633E+22	1,737658E+22	1,513028E+22	1,148884E+22	7,564082E+21	4,407770E+21	2,729647E+21	2,729604E+21	4,407614E+21	7,563830E+21
2953	1,148878E+22	1,513060E+22	1,737718E+22	1,737715E+22	1,513033E+22	1,148833E+22	7,563480E+21	4,407359E+21	2,729412E+21	2,729531E+21	4,407720E+21	7,563997E+21
2954	1,148877E+22	1,513025E+22	1,737644E+22	1,737631E+22	1,513016E+22	1,148874E+22	7,563909E+21	4,407624E+21	2,729475E+21	2,729375E+21	4,407361E+21	7,563558E+21
2955	1,148836E+22	1,513004E+22	1,737681E+22	1,737712E+22	1,513082E+22	1,148913E+22	7,563953E+21	4,407509E+21	2,729430E+21	2,729468E+21	4,407588E+21	7,563947E+21
2956	1,148894E+22	1,513059E+22	1,737701E+22	1,737691E+22	1,513017E+22	1,148841E+22	7,563641E+21	4,407455E+21	2,729444E+21	2,729488E+21	4,407588E+21	7,563875E+21
2957	1,148873E+22	1,513007E+22	1,737604E+22	1,737602E+22	1,513003E+22	1,148882E+22	7,564196E+21	4,407936E+21	2,729759E+21	2,729637E+21	4,407549E+21	7,563617E+21
2958	1,148837E+22	1,513010E+22	1,737672E+22	1,737675E+22	1,513032E+22	1,148867E+22	7,563879E+21	4,407792E+21	2,729859E+21	2,729951E+21	4,408033E+21	7,564134E+21
2959	1,148870E+22	1,513002E+22	1,737621E+22	1,737592E+22	1,512946E+22	1,148823E+22	7,563864E+21	4,407988E+21	2,730092E+21	2,730104E+21	4,408050E+21	7,563959E+21
2960	1,148823E+22	1,512917E+22	1,737533E+22	1,737562E+22	1,512973E+22	1,148874E+22	7,564358E+21	4,408348E+21	2,730373E+21	2,730344E+21	4,408224E+21	7,564094E+21
2961	1,148848E+22	1,512964E+22	1,737574E+22	1,737577E+22	1,512957E+22	1,148824E+22	7,563906E+21	4,408186E+21	2,730452E+21	2,730612E+21	4,408645E+21	7,564512E+21
2962	1,148866E+22	1,512937E+22	1,737488E+22	1,737450E+22	1,512875E+22	1,148823E+22	7,564311E+21	4,408650E+21	2,730768E+21	2,730688E+21	4,408441E+21	7,564084E+21
2963	1,148811E+22	1,512890E+22	1,737493E+22	1,737510E+22	1,512936E+22	1,148865E+22	7,564515E+21	4,408750E+21	2,730904E+21	2,730890E+21	4,408666E+21	7,564316E+21
2964	1,148846E+22	1,512940E+22	1,737534E+22	1,737522E+22	1,512899E+22	1,148797E+22	7,564074E+21	4,408604E+21	2,730908E+21	2,730975E+21	4,408809E+21	7,564403E+21
2965	1,148831E+22	1,512883E+22	1,737434E+22	1,737426E+22	1,512880E+22	1,148839E+22	7,564570E+21	4,408959E+21	2,731065E+21	2,730943E+21	4,408604E+21	7,564059E+21
2966	1,148789E+22	1,512870E+22	1,737494E+22	1,737523E+22	1,512945E+22	1,148857E+22	7,564370E+21	4,408680E+21	2,730911E+21	2,730972E+21	4,408833E+21	7,564500E+21
2967	1,148847E+22	1,512912E+22	1,737491E+22	1,737481E+22	1,512881E+22	1,148806E+22	7,564139E+21	4,408545E+21	2,730759E+21	2,730771E+21	4,408600E+21	7,564271E+21
2968	1,148824E+22	1,512879E+22	1,737448E+22	1,737464E+22	1,512913E+22	1,148855E+22	7,564504E+21	4,408666E+21	2,730679E+21	2,730567E+21	4,408322E+21	7,564047E+21
2969	1,148835E+22	1,512953E+22	1,737567E+22	1,737562E+22	1,512953E+22	1,148831E+22	7,563950E+21	4,408176E+21	2,730379E+21	2,730483E+21	4,408480E+21	7,564368E+21
2970	1,148865E+22	1,512964E+22	1,737553E+22	1,737515E+22	1,512897E+22	1,148815E+22	7,564037E+21	4,408234E+21	2,730288E+21	2,730213E+21	4,408061E+21	7,563902E+21
2971	1,148817E+22	1,512923E+22	1,737558E+22	1,737594E+22	1,512995E+22	1,148876E+22	7,564234E+21	4,408184E+21	2,730178E+21	2,730128E+21	4,408018E+21	7,563975E+21
2972	1,148854E+22	1,512992E+22	1,737627E+22	1,737638E+22	1,513000E+22	1,148833E+22	7,563722E+21	4,407803E+21	2,729953E+21	2,730059E+21	4,408121E+21	7,564190E+21
2973	1,148869E+22	1,512974E+22	1,737553E+22	1,737525E+22	1,512943E+22	1,148854E+22	7,564134E+21	4,408102E+21	2,730051E+21	2,729952E+21	4,407833E+21	7,563788E+21
2974	1,148824E+22	1,512954E+22	1,737600E+22	1,737617E+22	1,513007E+22	1,148882E+22	7,564161E+21	4,408037E+21	2,730052E+21	2,730068E+21	4,408039E+21	7,564084E+21
2975	1,148868E+22	1,512998E+22	1,737616E+22	1,737598E+22	1,512947E+22	1,148814E+22	7,563814E+21	4,407970E+21	2,730102E+21	2,730154E+21	4,408111E+21	7,564029E+21
2976	1,148838E+22	1,512937E+22	1,737528E+22	1,737526E+22	1,512938E+22	1,148848E+22	7,564289E+21	4,408402E+21	2,730392E+21	2,730290E+21	4,408086E+21	7,563837E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2977	1,148812E+22	1,512937E+22	1,737574E+22	1,737587E+22	1,512980E+22	1,148849E+22	7,564021E+21	4,408231E+21	2,730467E+21	2,730599E+21	4,408591E+21	7,564396E+21
2978	1,148848E+22	1,512926E+22	1,737509E+22	1,737481E+22	1,512876E+22	1,148805E+22	7,564116E+21	4,408512E+21	2,730730E+21	2,730746E+21	4,408587E+21	7,564249E+21
2979	1,148812E+22	1,512856E+22	1,737431E+22	1,737458E+22	1,512909E+22	1,148856E+22	7,564605E+21	4,408906E+21	2,731032E+21	2,730970E+21	4,408688E+21	7,564259E+21
2980	1,148829E+22	1,512907E+22	1,737487E+22	1,737487E+22	1,512901E+22	1,148811E+22	7,564174E+21	4,408747E+21	2,731119E+21	2,731237E+21	4,409084E+21	7,564650E+21
2981	1,148849E+22	1,512886E+22	1,737410E+22	1,737355E+22	1,512799E+22	1,148795E+22	7,564517E+21	4,409187E+21	2,731437E+21	2,731355E+21	4,408965E+21	7,564268E+21
2982	1,148784E+22	1,512825E+22	1,737413E+22	1,737435E+22	1,512878E+22	1,148838E+22	7,564704E+21	4,409283E+21	2,731556E+21	2,731534E+21	4,409172E+21	7,564483E+21
2983	1,148814E+22	1,512860E+22	1,737433E+22	1,737436E+22	1,512850E+22	1,148784E+22	7,564245E+21	4,409065E+21	2,731521E+21	2,731611E+21	4,409339E+21	7,564627E+21
2984	1,148804E+22	1,512810E+22	1,737342E+22	1,737337E+22	1,512817E+22	1,148818E+22	7,564710E+21	4,409357E+21	2,731591E+21	2,731491E+21	4,409074E+21	7,564319E+21
2985	1,148782E+22	1,512817E+22	1,737402E+22	1,737428E+22	1,512883E+22	1,148838E+22	7,564526E+21	4,409057E+21	2,731393E+21	2,731468E+21	4,409241E+21	7,564682E+21
2986	1,148836E+22	1,512866E+22	1,737412E+22	1,737386E+22	1,512807E+22	1,148780E+22	7,564304E+21	4,408973E+21	2,731274E+21	2,731271E+21	4,408984E+21	7,564420E+21
2987	1,148810E+22	1,512838E+22	1,737385E+22	1,737397E+22	1,512863E+22	1,148832E+22	7,564618E+21	4,409082E+21	2,731206E+21	2,731073E+21	4,408682E+21	7,564110E+21
2988	1,148807E+22	1,512897E+22	1,737501E+22	1,737507E+22	1,512920E+22	1,148821E+22	7,564102E+21	4,408584E+21	2,730900E+21	2,730988E+21	4,408856E+21	7,564502E+21
2989	1,148845E+22	1,512905E+22	1,737472E+22	1,737435E+22	1,512845E+22	1,148799E+22	7,564184E+21	4,408625E+21	2,730808E+21	2,730755E+21	4,408520E+21	7,564133E+21
2990	1,148802E+22	1,512863E+22	1,737472E+22	1,737513E+22	1,512940E+22	1,148860E+22	7,564447E+21	4,408628E+21	2,730704E+21	2,730649E+21	4,408430E+21	7,564150E+21
2991	1,148837E+22	1,512933E+22	1,737534E+22	1,737544E+22	1,512940E+22	1,148819E+22	7,563937E+21	4,408270E+21	2,730519E+21	2,730619E+21	4,408555E+21	7,564338E+21
2992	1,148847E+22	1,512923E+22	1,737484E+22	1,737444E+22	1,512873E+22	1,148825E+22	7,564275E+21	4,408547E+21	2,730616E+21	2,730517E+21	4,408274E+21	7,563948E+21
2993	1,148806E+22	1,512902E+22	1,737525E+22	1,737538E+22	1,512946E+22	1,148859E+22	7,564310E+21	4,408479E+21	2,730633E+21	2,730669E+21	4,408520E+21	7,564228E+21
2994	1,148837E+22	1,512927E+22	1,737525E+22	1,737510E+22	1,512883E+22	1,148791E+22	7,564005E+21	4,408482E+21	2,730746E+21	2,730804E+21	4,408651E+21	7,564276E+21
2995	1,148816E+22	1,512864E+22	1,737426E+22	1,737438E+22	1,512889E+22	1,148833E+22	7,564463E+21	4,408904E+21	2,731047E+21	2,730947E+21	4,408611E+21	7,564070E+21
2996	1,148793E+22	1,512866E+22	1,737466E+22	1,737486E+22	1,512924E+22	1,148841E+22	7,564291E+21	4,408766E+21	2,731120E+21	2,731236E+21	4,409094E+21	7,564669E+21
2997	1,148844E+22	1,512872E+22	1,737410E+22	1,737367E+22	1,512791E+22	1,148778E+22	7,564345E+21	4,409064E+21	2,731405E+21	2,731414E+21	4,409122E+21	7,564507E+21
2998	1,148802E+22	1,512808E+22	1,737352E+22	1,737367E+22	1,512832E+22	1,148823E+22	7,564804E+21	4,409468E+21	2,731716E+21	2,731633E+21	4,409175E+21	7,564388E+21
2999	1,148800E+22	1,512842E+22	1,737401E+22	1,737401E+22	1,512838E+22	1,148789E+22	7,564372E+21	4,409288E+21	2,731809E+21	2,731929E+21	4,409614E+21	7,564771E+21