

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												
-3000	1,592872E+22	1,946268E+22	2,149513E+22	2,149487E+22	1,946195E+22	1,592778E+22	1,177396E+22	8,113671E+21	5,992984E+21	5,993178E+21	8,114097E+21	1,177428E+22
-2999	1,592768E+22	1,946125E+22	2,149387E+22	2,149447E+22	1,946233E+22	1,592851E+22	1,177475E+22	8,114313E+21	5,993373E+21	5,993288E+21	8,114020E+21	1,177419E+22
-2998	1,592790E+22	1,946197E+22	2,149438E+22	2,149441E+22	1,946209E+22	1,592825E+22	1,177459E+22	8,114372E+21	5,993638E+21	5,993712E+21	8,114675E+21	1,177507E+22
-2997	1,592847E+22	1,946190E+22	2,149392E+22	2,149370E+22	1,946146E+22	1,592799E+22	1,177458E+22	8,114470E+21	5,993812E+21	5,993852E+21	8,114465E+21	1,177436E+22
-2996	1,592750E+22	1,946086E+22	2,149324E+22	2,149345E+22	1,946139E+22	1,592818E+22	1,177512E+22	8,115161E+21	5,994399E+21	5,994241E+21	8,114724E+21	1,177466E+22
-2995	1,592817E+22	1,946184E+22	2,149389E+22	2,149361E+22	1,946107E+22	1,592752E+22	1,177451E+22	8,114907E+21	5,994501E+21	5,994638E+21	8,115332E+21	1,177513E+22
-2994	1,592795E+22	1,946101E+22	2,149298E+22	2,149309E+22	1,946115E+22	1,592789E+22	1,177481E+22	8,115062E+21	5,994596E+21	5,994605E+21	8,115006E+21	1,177451E+22
-2993	1,592731E+22	1,946076E+22	2,149322E+22	2,149331E+22	1,946121E+22	1,592798E+22	1,177502E+22	8,115311E+21	5,994775E+21	5,994739E+21	8,115315E+21	1,177531E+22
-2992	1,592854E+22	1,946171E+22	2,149358E+22	2,149332E+22	1,946095E+22	1,592752E+22	1,177449E+22	8,114854E+21	5,994530E+21	5,994733E+21	8,115351E+21	1,177500E+22
-2991	1,592775E+22	1,946070E+22	2,149265E+22	2,149300E+22	1,946129E+22	1,592821E+22	1,177515E+22	8,115246E+21	5,994569E+21	5,994420E+21	8,114782E+21	1,177442E+22
-2990	1,592759E+22	1,946139E+22	2,149371E+22	2,149361E+22	1,946142E+22	1,592804E+22	1,177493E+22	8,115111E+21	5,994501E+21	5,994437E+21	8,115051E+21	1,177512E+22
-2989	1,592836E+22	1,946171E+22	2,149381E+22	2,149362E+22	1,946125E+22	1,592774E+22	1,177452E+22	8,114659E+21	5,994148E+21	5,994205E+21	8,114710E+21	1,177439E+22
-2988	1,592735E+22	1,946063E+22	2,149309E+22	2,149359E+22	1,946166E+22	1,592826E+22	1,177497E+22	8,114905E+21	5,994114E+21	5,993977E+21	8,114526E+21	1,177446E+22
-2987	1,592794E+22	1,946180E+22	2,149410E+22	2,149404E+22	1,946163E+22	1,592788E+22	1,177444E+22	8,114407E+21	5,993756E+21	5,993866E+21	8,114810E+21	1,177510E+22
-2986	1,592829E+22	1,946157E+22	2,149367E+22	2,149374E+22	1,946164E+22	1,592808E+22	1,177450E+22	8,114223E+21	5,993448E+21	5,993455E+21	8,114150E+21	1,177425E+22
-2985	1,592764E+22	1,946140E+22	2,149399E+22	2,149404E+22	1,946176E+22	1,592820E+22	1,177472E+22	8,114424E+21	5,993482E+21	5,993357E+21	8,114146E+21	1,177465E+22
-2984	1,592871E+22	1,946265E+22	2,149482E+22	2,149441E+22	1,946158E+22	1,592762E+22	1,177406E+22	8,113924E+21	5,993276E+21	5,993445E+21	8,114353E+21	1,177454E+22
-2983	1,592798E+22	1,946163E+22	2,149389E+22	2,149407E+22	1,946189E+22	1,592818E+22	1,177454E+22	8,114226E+21	5,993370E+21	5,993302E+21	8,113964E+21	1,177399E+22
-2982	1,592747E+22	1,946166E+22	2,149444E+22	2,149451E+22	1,946210E+22	1,592822E+22	1,177458E+22	8,114383E+21	5,993599E+21	5,993570E+21	8,114409E+21	1,177488E+22
-2981	1,592851E+22	1,946209E+22	2,149437E+22	2,149426E+22	1,946172E+22	1,592786E+22	1,177426E+22	8,114156E+21	5,993580E+21	5,993740E+21	8,114512E+21	1,177453E+22
-2980	1,592767E+22	1,946085E+22	2,149306E+22	2,149352E+22	1,946168E+22	1,592831E+22	1,177496E+22	8,114816E+21	5,994014E+21	5,993908E+21	8,114476E+21	1,177440E+22
-2979	1,592781E+22	1,946165E+22	2,149385E+22	2,149366E+22	1,946135E+22	1,592791E+22	1,177478E+22	8,114920E+21	5,994305E+21	5,994326E+21	8,115064E+21	1,177517E+22
-2978	1,592826E+22	1,946147E+22	2,149339E+22	2,149316E+22	1,946098E+22	1,592773E+22	1,177471E+22	8,114970E+21	5,994518E+21	5,994572E+21	8,114979E+21	1,177448E+22
-2977	1,592725E+22	1,946052E+22	2,149288E+22	2,149301E+22	1,946100E+22	1,592791E+22	1,177511E+22	8,115489E+21	5,994963E+21	5,994863E+21	8,115232E+21	1,177489E+22
-2976	1,592804E+22	1,946146E+22	2,149345E+22	2,149321E+22	1,946083E+22	1,592743E+22	1,177457E+22	8,115180E+21	5,995000E+21	5,995225E+21	8,115804E+21	1,177534E+22
-2975	1,592782E+22	1,946055E+22	2,149233E+22	2,149249E+22	1,946080E+22	1,592784E+22	1,177502E+22	8,115467E+21	5,995114E+21	5,995133E+21	8,115432E+21	1,177475E+22
-2974	1,592726E+22	1,946036E+22	2,149259E+22	2,149282E+22	1,946103E+22	1,592801E+22	1,177525E+22	8,115730E+21	5,995279E+21	5,995183E+21	8,115566E+21	1,177536E+22
-2973	1,592843E+22	1,946144E+22	2,149314E+22	2,149284E+22	1,946068E+22	1,592755E+22	1,177478E+22	8,115340E+21	5,995081E+21	5,995194E+21	8,115610E+21	1,177503E+22
-2972	1,592758E+22	1,946038E+22	2,149221E+22	2,149240E+22	1,946076E+22	1,592794E+22	1,177526E+22	8,115652E+21	5,995122E+21	5,994972E+21	8,115180E+21	1,177451E+22
-2971	1,592729E+22	1,946087E+22	2,149326E+22	2,149318E+22	1,946098E+22	1,592778E+22	1,177501E+22	8,115464E+21	5,994984E+21	5,994941E+21	8,115442E+21	1,177528E+22
-2970	1,592815E+22	1,946116E+22	2,149318E+22	2,149314E+22	1,946100E+22	1,592767E+22	1,177462E+22	8,114947E+21	5,994593E+21	5,994714E+21	8,115156E+21	1,177462E+22
-2969	1,592732E+22	1,946040E+22	2,149264E+22	2,149300E+22	1,946123E+22	1,592808E+22	1,177500E+22	8,115096E+21	5,994425E+21	5,994323E+21	8,114825E+21	1,177470E+22
-2968	1,592808E+22	1,946172E+22	2,149377E+22	2,149355E+22	1,946125E+22	1,592773E+22	1,177450E+22	8,114634E+21	5,994109E+21	5,994226E+21	8,115022E+21	1,177513E+22
-2967	1,592825E+22	1,946144E+22	2,149337E+22	2,149323E+22	1,946116E+22	1,592786E+22	1,177462E+22	8,114595E+21	5,993921E+21	5,993890E+21	8,114417E+21	1,177426E+22
-2966	1,592742E+22	1,946106E+22	2,149368E+22	2,149386E+22	1,946163E+22	1,592809E+22	1,177481E+22	8,114779E+21	5,993988E+21	5,993836E+21	8,114417E+21	1,177462E+22
-2965	1,592840E+22	1,946219E+22	2,149442E+22	2,149419E+22	1,946154E+22	1,592768E+22	1,177425E+22	8,114329E+21	5,993818E+21	5,993977E+21	8,114748E+21	1,177468E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2964	1,592776E+22	1,946111E+22	2,149325E+22	2,149343E+22	1,946150E+22	1,592809E+22	1,177471E+22	8,114619E+21	5,993930E+21	5,993907E+21	8,114480E+21	1,177426E+22
-2963	1,592731E+22	1,946108E+22	2,149375E+22	2,149385E+22	1,946161E+22	1,592811E+22	1,177485E+22	8,114862E+21	5,994168E+21	5,994132E+21	8,114828E+21	1,177508E+22
-2962	1,592843E+22	1,946162E+22	2,149362E+22	2,149351E+22	1,946127E+22	1,592778E+22	1,177453E+22	8,114682E+21	5,994239E+21	5,994386E+21	8,114967E+21	1,177466E+22
-2961	1,592758E+22	1,946067E+22	2,149264E+22	2,149279E+22	1,946102E+22	1,592801E+22	1,177507E+22	8,115263E+21	5,994638E+21	5,994526E+21	8,114909E+21	1,177455E+22
-2960	1,592770E+22	1,946135E+22	2,149347E+22	2,149317E+22	1,946086E+22	1,592760E+22	1,177481E+22	8,115315E+21	5,994954E+21	5,995019E+21	8,115548E+21	1,177527E+22
-2959	1,592799E+22	1,946091E+22	2,149275E+22	2,149258E+22	1,946054E+22	1,592749E+22	1,177479E+22	8,115401E+21	5,995167E+21	5,995269E+21	8,115560E+21	1,177475E+22
-2958	1,592706E+22	1,945992E+22	2,149218E+22	2,149257E+22	1,946084E+22	1,592787E+22	1,177524E+22	8,115854E+21	5,995510E+21	5,995440E+21	8,115685E+21	1,177514E+22
-2957	1,592799E+22	1,946103E+22	2,149281E+22	2,149266E+22	1,946059E+22	1,592750E+22	1,177486E+22	8,115624E+21	5,995524E+21	5,995712E+21	8,116173E+21	1,177556E+22
-2956	1,592784E+22	1,946029E+22	2,149176E+22	2,149173E+22	1,946024E+22	1,592768E+22	1,177523E+22	8,115913E+21	5,995660E+21	5,995645E+21	8,115786E+21	1,177487E+22
-2955	1,592716E+22	1,946011E+22	2,149225E+22	2,149230E+22	1,946049E+22	1,592780E+22	1,177547E+22	8,116198E+21	5,995824E+21	5,995671E+21	8,115834E+21	1,177532E+22
-2954	1,592817E+22	1,946100E+22	2,149269E+22	2,149247E+22	1,946040E+22	1,592743E+22	1,177493E+22	8,115749E+21	5,995639E+21	5,995755E+21	8,115986E+21	1,177504E+22
-2953	1,592731E+22	1,946006E+22	2,149186E+22	2,149201E+22	1,946044E+22	1,592777E+22	1,177527E+22	8,115897E+21	5,995535E+21	5,995436E+21	8,115576E+21	1,177471E+22
-2952	1,592719E+22	1,946048E+22	2,149280E+22	2,149276E+22	1,946070E+22	1,592768E+22	1,177504E+22	8,115663E+21	5,995351E+21	5,995371E+21	8,115789E+21	1,177543E+22
-2951	1,592805E+22	1,946071E+22	2,149255E+22	2,149254E+22	1,946060E+22	1,592755E+22	1,177476E+22	8,115268E+21	5,994989E+21	5,995115E+21	8,115501E+21	1,177483E+22
-2950	1,592734E+22	1,946011E+22	2,149216E+22	2,149259E+22	1,946100E+22	1,592800E+22	1,177512E+22	8,115409E+21	5,994826E+21	5,994684E+21	8,115032E+21	1,177474E+22
-2949	1,592803E+22	1,946157E+22	2,149350E+22	2,149316E+22	1,946093E+22	1,592765E+22	1,177469E+22	8,115032E+21	5,994588E+21	5,994648E+21	8,115282E+21	1,177516E+22
-2948	1,592807E+22	1,946116E+22	2,149304E+22	2,149278E+22	1,946070E+22	1,592758E+22	1,177466E+22	8,114951E+21	5,994455E+21	5,994444E+21	8,114840E+21	1,177438E+22
-2947	1,592717E+22	1,946055E+22	2,149322E+22	2,149347E+22	1,946128E+22	1,592792E+22	1,177492E+22	8,115137E+21	5,994501E+21	5,994379E+21	8,114830E+21	1,177475E+22
-2946	1,592817E+22	1,946158E+22	2,149371E+22	2,149368E+22	1,946133E+22	1,592770E+22	1,177445E+22	8,114715E+21	5,994357E+21	5,994558E+21	8,115218E+21	1,177489E+22
-2945	1,592770E+22	1,946079E+22	2,149268E+22	2,149275E+22	1,946102E+22	1,592795E+22	1,177486E+22	8,114979E+21	5,994413E+21	5,994409E+21	8,114890E+21	1,177451E+22
-2944	1,592736E+22	1,946080E+22	2,149322E+22	2,149319E+22	1,946110E+22	1,592794E+22	1,177500E+22	8,115276E+21	5,994739E+21	5,994692E+21	8,115187E+21	1,177513E+22
-2943	1,592826E+22	1,946124E+22	2,149308E+22	2,149284E+22	1,946068E+22	1,592753E+22	1,177471E+22	8,115201E+21	5,994910E+21	5,995039E+21	8,115439E+21	1,177479E+22
-2942	1,592736E+22	1,946017E+22	2,149212E+22	2,149241E+22	1,946073E+22	1,592781E+22	1,177516E+22	8,115699E+21	5,995284E+21	5,995177E+21	8,115358E+21	1,177465E+22
-2941	1,592749E+22	1,946088E+22	2,149292E+22	2,149273E+22	1,946062E+22	1,592757E+22	1,177500E+22	8,115767E+21	5,995575E+21	5,995652E+21	8,116072E+21	1,177553E+22
-2940	1,592788E+22	1,946043E+22	2,149208E+22	2,149189E+22	1,946005E+22	1,592732E+22	1,177494E+22	8,115822E+21	5,995764E+21	5,995901E+21	8,116105E+21	1,177507E+22
-2939	1,592702E+22	1,945946E+22	2,149155E+22	2,149193E+22	1,946036E+22	1,592777E+22	1,177551E+22	8,116326E+21	5,996065E+21	5,995966E+21	8,116053E+21	1,177528E+22
-2938	1,592794E+22	1,946069E+22	2,149223E+22	2,149206E+22	1,946022E+22	1,592749E+22	1,177516E+22	8,116142E+21	5,996137E+21	5,996277E+21	8,116528E+21	1,177558E+22
-2937	1,592770E+22	1,946016E+22	2,149147E+22	2,149118E+22	1,945969E+22	1,592743E+22	1,177536E+22	8,116321E+21	5,996202E+21	5,996165E+21	8,116124E+21	1,177491E+22
-2936	1,592693E+22	1,945971E+22	2,149188E+22	2,149196E+22	1,946014E+22	1,592757E+22	1,177549E+22	8,116533E+21	5,996368E+21	5,996240E+21	8,116210E+21	1,177531E+22
-2935	1,592780E+22	1,946039E+22	2,149206E+22	2,149198E+22	1,946008E+22	1,592727E+22	1,177500E+22	8,116086E+21	5,996146E+21	5,996305E+21	8,116466E+21	1,177527E+22
-2934	1,592713E+22	1,945945E+22	2,149116E+22	2,149157E+22	1,946025E+22	1,592770E+22	1,177535E+22	8,116157E+21	5,995932E+21	5,995854E+21	8,115914E+21	1,177491E+22
-2933	1,592721E+22	1,946017E+22	2,149223E+22	2,149222E+22	1,946040E+22	1,592766E+22	1,177525E+22	8,116000E+21	5,995734E+21	5,995721E+21	8,116079E+21	1,177562E+22
-2932	1,592812E+22	1,946057E+22	2,149211E+22	2,149188E+22	1,946001E+22	1,592729E+22	1,177486E+22	8,115607E+21	5,995424E+21	5,995521E+21	8,115796E+21	1,177495E+22
-2931	1,592729E+22	1,945994E+22	2,149194E+22	2,149221E+22	1,946052E+22	1,592777E+22	1,177525E+22	8,115752E+21	5,995267E+21	5,995099E+21	8,115278E+21	1,177471E+22
-2930	1,592781E+22	1,946124E+22	2,149319E+22	2,149295E+22	1,946076E+22	1,592758E+22	1,177480E+22	8,115371E+21	5,995082E+21	5,995166E+21	8,115649E+21	1,177518E+22
-2929	1,592784E+22	1,946089E+22	2,149273E+22	2,149245E+22	1,946045E+22	1,592747E+22	1,177471E+22	8,115194E+21	5,994863E+21	5,994914E+21	8,115251E+21	1,177459E+22

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	1,592707E+22	1,946012E+22	2,149271E+22	2,149307E+22	1,946105E+22	1,592789E+22	1,177504E+22	8,115439E+21	5,994965E+21	5,994877E+21	8,115208E+21	1,177487E+22
-2927	1,592801E+22	1,946106E+22	2,149297E+22	2,149302E+22	1,946093E+22	1,592765E+22	1,177471E+22	8,115182E+21	5,994908E+21	5,995085E+21	8,115630E+21	1,177509E+22
-2926	1,592764E+22	1,946037E+22	2,149204E+22	2,149219E+22	1,946065E+22	1,592784E+22	1,177508E+22	8,115468E+21	5,995012E+21	5,994952E+21	8,115231E+21	1,177459E+22
-2925	1,592725E+22	1,946051E+22	2,149274E+22	2,149262E+22	1,946060E+22	1,592778E+22	1,177525E+22	8,115825E+21	5,995404E+21	5,995313E+21	8,115639E+21	1,177525E+22
-2924	1,592802E+22	1,946079E+22	2,149251E+22	2,149220E+22	1,946005E+22	1,592716E+22	1,177478E+22	8,115676E+21	5,995609E+21	5,995771E+21	8,116040E+21	1,177505E+22
-2923	1,592717E+22	1,945964E+22	2,149151E+22	2,149183E+22	1,946025E+22	1,592760E+22	1,177528E+22	8,116107E+21	5,995900E+21	5,995841E+21	8,115895E+21	1,177491E+22
-2922	1,592737E+22	1,946034E+22	2,149218E+22	2,149211E+22	1,946028E+22	1,592752E+22	1,177520E+22	8,116194E+21	5,996174E+21	5,996283E+21	8,116565E+21	1,177575E+22
-2921	1,592788E+22	1,946023E+22	2,149158E+22	2,149125E+22	1,945955E+22	1,592715E+22	1,177509E+22	8,116211E+21	5,996283E+21	5,996413E+21	8,116488E+21	1,177527E+22
-2920	1,592705E+22	1,945927E+22	2,149114E+22	2,149141E+22	1,945991E+22	1,592759E+22	1,177564E+22	8,116757E+21	5,996649E+21	5,996500E+21	8,116341E+21	1,177521E+22
-2919	1,592762E+22	1,946026E+22	2,149175E+22	2,149156E+22	1,945979E+22	1,592731E+22	1,177536E+22	8,116643E+21	5,996762E+21	5,996862E+21	8,116917E+21	1,177562E+22
-2918	1,592737E+22	1,945956E+22	2,149095E+22	2,149095E+22	1,945954E+22	1,592732E+22	1,177546E+22	8,116707E+21	5,996753E+21	5,996717E+21	8,116512E+21	1,177499E+22
-2917	1,592667E+22	1,945918E+22	2,149126E+22	2,149151E+22	1,945993E+22	1,592758E+22	1,177569E+22	8,116897E+21	5,996845E+21	5,996741E+21	8,116668E+21	1,177556E+22
-2916	1,592764E+22	1,945989E+22	2,149134E+22	2,149129E+22	1,945959E+22	1,592710E+22	1,177511E+22	8,116403E+21	5,996594E+21	5,996789E+21	8,116921E+21	1,177560E+22
-2915	1,592719E+22	1,945914E+22	2,149058E+22	2,149092E+22	1,945976E+22	1,592755E+22	1,177550E+22	8,116475E+21	5,996331E+21	5,996238E+21	8,116194E+21	1,177506E+22
-2914	1,592727E+22	1,946004E+22	2,149180E+22	2,149170E+22	1,946001E+22	1,592754E+22	1,177540E+22	8,116364E+21	5,996196E+21	5,996150E+21	8,116342E+21	1,177564E+22
-2913	1,592807E+22	1,946061E+22	2,149201E+22	2,149153E+22	1,945954E+22	1,592699E+22	1,177487E+22	8,115885E+21	5,995839E+21	5,995935E+21	8,116083E+21	1,177502E+22
-2912	1,592715E+22	1,945968E+22	2,149172E+22	2,149205E+22	1,946030E+22	1,592756E+22	1,177521E+22	8,116011E+21	5,995723E+21	5,995574E+21	8,115597E+21	1,177470E+22
-2911	1,592745E+22	1,946069E+22	2,149263E+22	2,149258E+22	1,946059E+22	1,592755E+22	1,177494E+22	8,115706E+21	5,995551E+21	5,995660E+21	8,116070E+21	1,177537E+22
-2910	1,592765E+22	1,946031E+22	2,149207E+22	2,149208E+22	1,946031E+22	1,592749E+22	1,177490E+22	8,115535E+21	5,995308E+21	5,995354E+21	8,115576E+21	1,177474E+22
-2909	1,592704E+22	1,945978E+22	2,149204E+22	2,149244E+22	1,946071E+22	1,592792E+22	1,177536E+22	8,115917E+21	5,995481E+21	5,995345E+21	8,115569E+21	1,177503E+22
-2908	1,592791E+22	1,946075E+22	2,149237E+22	2,149224E+22	1,946026E+22	1,592737E+22	1,177489E+22	8,115688E+21	5,995545E+21	5,995677E+21	8,116056E+21	1,177525E+22
-2907	1,592750E+22	1,946001E+22	2,149156E+22	2,149159E+22	1,946005E+22	1,592755E+22	1,177523E+22	8,115945E+21	5,995663E+21	5,995585E+21	8,115655E+21	1,177466E+22
-2906	1,592702E+22	1,946008E+22	2,149221E+22	2,149216E+22	1,946025E+22	1,592759E+22	1,177536E+22	8,116280E+21	5,996078E+21	5,996021E+21	8,116177E+21	1,177541E+22
-2905	1,592786E+22	1,946049E+22	2,149203E+22	2,149165E+22	1,945960E+22	1,592693E+22	1,177482E+22	8,116008E+21	5,996158E+21	5,996385E+21	8,116577E+21	1,177537E+22
-2904	1,592712E+22	1,945922E+22	2,149094E+22	2,149134E+22	1,945991E+22	1,592746E+22	1,177538E+22	8,116480E+21	5,996465E+21	5,996420E+21	8,116321E+21	1,177506E+22
-2903	1,592722E+22	1,945988E+22	2,149149E+22	2,149148E+22	1,945991E+22	1,592747E+22	1,177546E+22	8,116698E+21	5,996784E+21	5,996857E+21	8,116979E+21	1,177591E+22
-2902	1,592775E+22	1,945981E+22	2,149102E+22	2,149078E+22	1,945924E+22	1,592708E+22	1,177533E+22	8,116716E+21	5,996905E+21	5,996969E+21	8,116807E+21	1,177528E+22
-2901	1,592684E+22	1,945891E+22	2,149065E+22	2,149093E+22	1,945955E+22	1,592751E+22	1,177591E+22	8,117293E+21	5,997290E+21	5,997107E+21	8,116785E+21	1,177529E+22
-2900	1,592724E+22	1,945966E+22	2,149109E+22	2,149096E+22	1,945930E+22	1,592703E+22	1,177544E+22	8,117081E+21	5,997396E+21	5,997516E+21	8,117455E+21	1,177587E+22
-2899	1,592715E+22	1,945895E+22	2,149022E+22	2,149029E+22	1,945910E+22	1,592718E+22	1,177559E+22	8,117045E+21	5,997259E+21	5,997264E+21	8,116973E+21	1,177525E+22
-2898	1,592662E+22	1,945875E+22	2,149054E+22	2,149085E+22	1,945955E+22	1,592750E+22	1,177584E+22	8,117231E+21	5,997302E+21	5,997222E+21	8,117059E+21	1,177578E+22
-2897	1,592775E+22	1,945986E+22	2,149093E+22	2,149065E+22	1,945904E+22	1,592684E+22	1,177516E+22	8,116661E+21	5,996952E+21	5,997143E+21	8,117198E+21	1,177580E+22
-2896	1,592730E+22	1,945916E+22	2,149040E+22	2,149057E+22	1,945936E+22	1,592729E+22	1,177550E+22	8,116748E+21	5,996746E+21	5,996611E+21	8,116370E+21	1,177499E+22
-2895	1,592705E+22	1,945981E+22	2,149157E+22	2,149145E+22	1,945976E+22	1,592739E+22	1,177548E+22	8,116697E+21	5,996650E+21	5,996581E+21	8,116618E+21	1,177565E+22
-2894	1,592779E+22	1,946017E+22	2,149171E+22	2,149152E+22	1,945956E+22	1,592696E+22	1,177495E+22	8,116169E+21	5,996260E+21	5,996352E+21	8,116358E+21	1,177506E+22
-2893	1,592692E+22	1,945928E+22	2,149124E+22	2,149176E+22	1,946024E+22	1,592767E+22	1,177545E+22	8,116368E+21	5,996148E+21	5,996015E+21	8,115991E+21	1,177487E+22

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°
-2892	1,592718E+22	1,946011E+22	2,149192E+22	2,149196E+22	1,946020E+22	1,592746E+22	1,177515E+22	8,116116E+21	5,996055E+21	5,996156E+21	8,116480E+21	1,177562E+22
-2891	1,592761E+22	1,945991E+22	2,149138E+22	2,149134E+22	1,945983E+22	1,592742E+22	1,177516E+22	8,115985E+21	5,995849E+21	5,995862E+21	8,115927E+21	1,177488E+22
-2890	1,592698E+22	1,945952E+22	2,149144E+22	2,149170E+22	1,946016E+22	1,592773E+22	1,177556E+22	8,116415E+21	5,996120E+21	5,995955E+21	8,115964E+21	1,177510E+22
-2889	1,592777E+22	1,946059E+22	2,149200E+22	2,149165E+22	1,945962E+22	1,592696E+22	1,177489E+22	8,116074E+21	5,996146E+21	5,996305E+21	8,116542E+21	1,177546E+22
-2888	1,592736E+22	1,945966E+22	2,149112E+22	2,149119E+22	1,945965E+22	1,592719E+22	1,177513E+22	8,116277E+21	5,996281E+21	5,996244E+21	8,116148E+21	1,177482E+22
-2887	1,592674E+22	1,945950E+22	2,149150E+22	2,149161E+22	1,945993E+22	1,592745E+22	1,177546E+22	8,116657E+21	5,996660E+21	5,996648E+21	8,116710E+21	1,177571E+22
-2886	1,592774E+22	1,945994E+22	2,149137E+22	2,149123E+22	1,945938E+22	1,592689E+22	1,177501E+22	8,116414E+21	5,996696E+21	5,996914E+21	8,116959E+21	1,177556E+22
-2885	1,592711E+22	1,945895E+22	2,149035E+22	2,149073E+22	1,945955E+22	1,592748E+22	1,177572E+22	8,117013E+21	5,997050E+21	5,996959E+21	8,116715E+21	1,177517E+22
-2884	1,592698E+22	1,945948E+22	2,149091E+22	2,149078E+22	1,945933E+22	1,592727E+22	1,177570E+22	8,117260E+21	5,997476E+21	5,997490E+21	8,117392E+21	1,177600E+22
-2883	1,592751E+22	1,945936E+22	2,149046E+22	2,149019E+22	1,945878E+22	1,592693E+22	1,177554E+22	8,117214E+21	5,997573E+21	5,997624E+21	8,117239E+21	1,177534E+22
-2882	1,592655E+22	1,945839E+22	2,148997E+22	2,149037E+22	1,945923E+22	1,592740E+22	1,177606E+22	8,117739E+21	5,997928E+21	5,997773E+21	8,117292E+21	1,177547E+22
-2881	1,592707E+22	1,945929E+22	2,149049E+22	2,149033E+22	1,945882E+22	1,592681E+22	1,177549E+22	8,117379E+21	5,997874E+21	5,998048E+21	8,117936E+21	1,177622E+22
-2880	1,592719E+22	1,945862E+22	2,148967E+22	2,148975E+22	1,945869E+22	1,592695E+22	1,177560E+22	8,117342E+21	5,997714E+21	5,997714E+21	8,117299E+21	1,177541E+22
-2879	1,592659E+22	1,945848E+22	2,149003E+22	2,149028E+22	1,945916E+22	1,592737E+22	1,177599E+22	8,117596E+21	5,997753E+21	5,997639E+21	8,117353E+21	1,177592E+22
-2878	1,592770E+22	1,945967E+22	2,149070E+22	2,149039E+22	1,945877E+22	1,592672E+22	1,177529E+22	8,117010E+21	5,997395E+21	5,997531E+21	8,117387E+21	1,177575E+22
-2877	1,592713E+22	1,945900E+22	2,149023E+22	2,149037E+22	1,945917E+22	1,592723E+22	1,177567E+22	8,117120E+21	5,997204E+21	5,997066E+21	8,116704E+21	1,177501E+22
-2876	1,592666E+22	1,945930E+22	2,149110E+22	2,149110E+22	1,945951E+22	1,592725E+22	1,177556E+22	8,117028E+21	5,997148E+21	5,997098E+21	8,117024E+21	1,177582E+22
-2875	1,592756E+22	1,945960E+22	2,149103E+22	2,149097E+22	1,945934E+22	1,592699E+22	1,177511E+22	8,116472E+21	5,996702E+21	5,996819E+21	8,116720E+21	1,177523E+22
-2874	1,592682E+22	1,945884E+22	2,149051E+22	2,149109E+22	1,945991E+22	1,592767E+22	1,177568E+22	8,116759E+21	5,996637E+21	5,996502E+21	8,116352E+21	1,177505E+22
-2873	1,592719E+22	1,945994E+22	2,149138E+22	2,149122E+22	1,945959E+22	1,592719E+22	1,177525E+22	8,116469E+21	5,996524E+21	5,996610E+21	8,116812E+21	1,177581E+22
-2872	1,592760E+22	1,945973E+22	2,149102E+22	2,149080E+22	1,945928E+22	1,592706E+22	1,177516E+22	8,116360E+21	5,996411E+21	5,996392E+21	8,116245E+21	1,177490E+22
-2871	1,592672E+22	1,945915E+22	2,149104E+22	2,149127E+22	1,945976E+22	1,592748E+22	1,177561E+22	8,116802E+21	5,996704E+21	5,996562E+21	8,116424E+21	1,177526E+22
-2870	1,592753E+22	1,946010E+22	2,149157E+22	2,149139E+22	1,945943E+22	1,592683E+22	1,177496E+22	8,116408E+21	5,996678E+21	5,996872E+21	8,116971E+21	1,177564E+22
-2869	1,592723E+22	1,945927E+22	2,149060E+22	2,149076E+22	1,945945E+22	1,592722E+22	1,177535E+22	8,116672E+21	5,996800E+21	5,996812E+21	8,116650E+21	1,177507E+22
-2868	1,592657E+22	1,945896E+22	2,149077E+22	2,149093E+22	1,945951E+22	1,592735E+22	1,177568E+22	8,117134E+21	5,997267E+21	5,997235E+21	8,117151E+21	1,177596E+22
-2867	1,592771E+22	1,945955E+22	2,149065E+22	2,149045E+22	1,945895E+22	1,592689E+22	1,177533E+22	8,116952E+21	5,997347E+21	5,997510E+21	8,117326E+21	1,177564E+22
-2866	1,592696E+22	1,945864E+22	2,148978E+22	2,149003E+22	1,945905E+22	1,592737E+22	1,177602E+22	8,117621E+21	5,997795E+21	5,997655E+21	8,117147E+21	1,177522E+22
-2865	1,592672E+22	1,945910E+22	2,149042E+22	2,149019E+22	1,945874E+22	1,592693E+22	1,177579E+22	8,117726E+21	5,998147E+21	5,998177E+21	8,117906E+21	1,177619E+22
-2864	1,592728E+22	1,945885E+22	2,148988E+22	2,148968E+22	1,945837E+22	1,592663E+22	1,177552E+22	8,117592E+21	5,998203E+21	5,998284E+21	8,117743E+21	1,177553E+22
-2863	1,592631E+22	1,945780E+22	2,148922E+22	2,148970E+22	1,945884E+22	1,592727E+22	1,177617E+22	8,118089E+21	5,998454E+21	5,998346E+21	8,117787E+21	1,177578E+22
-2862	1,592703E+22	1,945885E+22	2,148992E+22	2,148983E+22	1,945849E+22	1,592671E+22	1,177562E+22	8,117710E+21	5,998310E+21	5,998469E+21	8,118232E+21	1,177640E+22
-2861	1,592728E+22	1,945854E+22	2,148932E+22	2,148927E+22	1,945834E+22	1,592687E+22	1,177581E+22	8,117722E+21	5,998148E+21	5,998124E+21	8,117594E+21	1,177548E+22
-2860	1,592641E+22	1,945822E+22	2,148971E+22	2,148984E+22	1,945872E+22	1,592713E+22	1,177609E+22	8,117982E+21	5,998261E+21	5,998104E+21	8,117635E+21	1,177596E+22
-2859	1,592751E+22	1,945933E+22	2,149035E+22	2,149007E+22	1,945857E+22	1,592668E+22	1,177542E+22	8,117347E+21	5,997877E+21	5,998013E+21	8,117694E+21	1,177575E+22
-2858	1,592686E+22	1,945858E+22	2,148976E+22	2,149000E+22	1,945902E+22	1,592724E+22	1,177582E+22	8,117453E+21	5,997678E+21	5,997569E+21	8,117080E+21	1,177512E+22
-2857	1,592645E+22	1,945887E+22	2,149055E+22	2,149057E+22	1,945917E+22	1,592714E+22	1,177565E+22	8,117285E+21	5,997534E+21	5,997531E+21	8,117399E+21	1,177607E+22

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	1,592754E+22	1,945924E+22	2,149047E+22	2,149043E+22	1,945896E+22	1,592681E+22	1,177517E+22	8,116782E+21	5,997141E+21	5,997242E+21	8,117012E+21	1,177535E+22
-2855	1,592675E+22	1,945853E+22	2,148991E+22	2,149038E+22	1,945944E+22	1,592752E+22	1,177584E+22	8,117149E+21	5,997131E+21	5,996973E+21	8,116686E+21	1,177520E+22
-2854	1,592710E+22	1,945965E+22	2,149105E+22	2,149081E+22	1,945916E+22	1,592698E+22	1,177536E+22	8,116857E+21	5,997044E+21	5,997099E+21	8,117108E+21	1,177586E+22
-2853	1,592747E+22	1,945949E+22	2,149072E+22	2,149046E+22	1,945894E+22	1,592686E+22	1,177526E+22	8,116749E+21	5,996950E+21	5,996976E+21	8,116725E+21	1,177504E+22
-2852	1,592641E+22	1,945858E+22	2,149046E+22	2,149077E+22	1,945938E+22	1,592726E+22	1,177566E+22	8,117163E+21	5,997282E+21	5,997185E+21	8,116938E+21	1,177554E+22
-2851	1,592742E+22	1,945958E+22	2,149085E+22	2,149072E+22	1,945912E+22	1,592685E+22	1,177516E+22	8,116789E+21	5,997227E+21	5,997450E+21	8,117410E+21	1,177585E+22
-2850	1,592718E+22	1,945890E+22	2,148994E+22	2,149005E+22	1,945906E+22	1,592721E+22	1,177565E+22	8,117180E+21	5,997421E+21	5,997409E+21	8,117053E+21	1,177523E+22
-2849	1,592654E+22	1,945873E+22	2,149023E+22	2,149020E+22	1,945893E+22	1,592715E+22	1,177588E+22	8,117631E+21	5,997900E+21	5,997830E+21	8,117534E+21	1,177608E+22
-2848	1,592759E+22	1,945924E+22	2,149023E+22	2,148993E+22	1,945844E+22	1,592658E+22	1,177543E+22	8,117473E+21	5,998063E+21	5,998168E+21	8,117715E+21	1,177563E+22
-2847	1,592660E+22	1,945809E+22	2,148922E+22	2,148951E+22	1,945867E+22	1,592720E+22	1,177618E+22	8,118120E+21	5,998491E+21	5,998368E+21	8,117689E+21	1,177540E+22
-2846	1,592641E+22	1,945844E+22	2,148985E+22	2,148978E+22	1,945847E+22	1,592682E+22	1,177592E+22	8,118127E+21	5,998732E+21	5,998792E+21	8,118384E+21	1,177640E+22
-2845	1,592715E+22	1,945838E+22	2,148927E+22	2,148914E+22	1,945806E+22	1,592660E+22	1,177574E+22	8,117985E+21	5,998712E+21	5,998854E+21	8,118270E+21	1,177581E+22
-2844	1,592620E+22	1,945731E+22	2,148852E+22	2,148900E+22	1,945835E+22	1,592710E+22	1,177632E+22	8,118490E+21	5,998984E+21	5,998869E+21	8,118197E+21	1,177604E+22
-2843	1,592711E+22	1,945860E+22	2,148933E+22	2,148910E+22	1,945806E+22	1,592666E+22	1,177583E+22	8,118113E+21	5,998827E+21	5,998948E+21	8,118514E+21	1,177643E+22
-2842	1,592718E+22	1,945838E+22	2,148902E+22	2,148881E+22	1,945795E+22	1,592674E+22	1,177599E+22	8,118157E+21	5,998706E+21	5,998650E+21	8,117908E+21	1,177550E+22
-2841	1,592623E+22	1,945794E+22	2,148941E+22	2,148949E+22	1,945832E+22	1,592685E+22	1,177608E+22	8,118274E+21	5,998730E+21	5,998600E+21	8,118001E+21	1,177607E+22
-2840	1,592731E+22	1,945887E+22	2,148988E+22	2,148974E+22	1,945834E+22	1,592648E+22	1,177540E+22	8,117604E+21	5,998312E+21	5,998465E+21	8,118032E+21	1,177585E+22
-2839	1,592663E+22	1,945805E+22	2,148913E+22	2,148946E+22	1,945876E+22	1,592723E+22	1,177597E+22	8,117738E+21	5,998068E+21	5,997993E+21	8,117455E+21	1,177536E+22
-2838	1,592639E+22	1,945842E+22	2,149003E+22	2,149008E+22	1,945884E+22	1,592708E+22	1,177582E+22	8,117597E+21	5,997904E+21	5,997875E+21	8,117623E+21	1,177616E+22
-2837	1,592756E+22	1,945911E+22	2,149013E+22	2,148991E+22	1,945856E+22	1,592671E+22	1,177538E+22	8,117155E+21	5,997570E+21	5,997670E+21	8,117329E+21	1,177540E+22
-2836	1,592656E+22	1,945820E+22	2,148953E+22	2,148987E+22	1,945892E+22	1,592723E+22	1,177590E+22	8,117532E+21	5,997676E+21	5,997503E+21	8,117046E+21	1,177530E+22
-2835	1,592696E+22	1,945927E+22	2,149057E+22	2,149033E+22	1,945886E+22	1,592688E+22	1,177545E+22	8,117213E+21	5,997591E+21	5,997670E+21	8,117513E+21	1,177595E+22
-2834	1,592728E+22	1,945909E+22	2,149025E+22	2,149002E+22	1,945869E+22	1,592681E+22	1,177542E+22	8,117139E+21	5,997514E+21	5,997577E+21	8,117197E+21	1,177526E+22
-2833	1,592631E+22	1,945816E+22	2,148990E+22	2,149020E+22	1,945896E+22	1,592710E+22	1,177578E+22	8,117520E+21	5,997794E+21	5,997733E+21	8,117387E+21	1,177580E+22
-2832	1,592742E+22	1,945922E+22	2,149027E+22	2,149015E+22	1,945872E+22	1,592669E+22	1,177532E+22	8,117251E+21	5,997821E+21	5,998000E+21	8,117770E+21	1,177594E+22
-2831	1,592704E+22	1,945854E+22	2,148936E+22	2,148935E+22	1,945859E+22	1,592713E+22	1,177593E+22	8,117726E+21	5,998095E+21	5,998050E+21	8,117488E+21	1,177533E+22
-2830	1,592628E+22	1,945824E+22	2,148982E+22	2,148975E+22	1,945849E+22	1,592698E+22	1,177609E+22	8,118166E+21	5,998590E+21	5,998491E+21	8,117957E+21	1,177611E+22
-2829	1,592731E+22	1,945877E+22	2,148974E+22	2,148949E+22	1,945809E+22	1,592643E+22	1,177560E+22	8,117957E+21	5,998733E+21	5,998901E+21	8,118328E+21	1,177583E+22
-2828	1,592624E+22	1,945733E+22	2,148837E+22	2,148879E+22	1,945819E+22	1,592697E+22	1,177626E+22	8,118543E+21	5,999142E+21	5,999064E+21	8,118279E+21	1,177576E+22
-2827	1,592637E+22	1,945786E+22	2,148895E+22	2,148893E+22	1,945804E+22	1,592679E+22	1,177611E+22	8,118526E+21	5,999293E+21	5,999379E+21	8,118849E+21	1,177666E+22
-2826	1,592721E+22	1,945810E+22	2,148864E+22	2,148839E+22	1,945754E+22	1,592647E+22	1,177596E+22	8,118438E+21	5,999267E+21	5,999380E+21	8,118636E+21	1,177599E+22
-2825	1,592626E+22	1,945717E+22	2,148812E+22	2,148837E+22	1,945775E+22	1,592680E+22	1,177640E+22	8,118854E+21	5,999483E+21	5,999345E+21	8,118507E+21	1,177613E+22
-2824	1,592704E+22	1,945844E+22	2,148912E+22	2,148879E+22	1,945766E+22	1,592635E+22	1,177585E+22	8,118475E+21	5,999346E+21	5,999429E+21	8,118790E+21	1,177638E+22
-2823	1,592688E+22	1,945797E+22	2,148866E+22	2,148852E+22	1,945776E+22	1,592667E+22	1,177609E+22	8,118480E+21	5,999180E+21	5,999149E+21	8,118290E+21	1,177559E+22
-2822	1,592594E+22	1,945740E+22	2,148901E+22	2,148927E+22	1,945821E+22	1,592687E+22	1,177622E+22	8,118549E+21	5,999115E+21	5,999000E+21	8,118301E+21	1,177616E+22
-2821	1,592716E+22	1,945847E+22	2,148941E+22	2,148936E+22	1,945816E+22	1,592652E+22	1,177562E+22	8,117913E+21	5,998675E+21	5,998866E+21	8,118393E+21	1,177600E+22

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	1,592649E+22	1,945757E+22	2,148846E+22	2,148880E+22	1,945830E+22	1,592710E+22	1,177615E+22	8,118119E+21	5,998524E+21	5,998417E+21	8,117768E+21	1,177553E+22
-2819	1,592642E+22	1,945816E+22	2,148943E+22	2,148936E+22	1,945838E+22	1,592702E+22	1,177603E+22	8,118007E+21	5,998413E+21	5,998346E+21	8,117907E+21	1,177616E+22
-2818	1,592742E+22	1,945890E+22	2,148981E+22	2,148944E+22	1,945809E+22	1,592650E+22	1,177553E+22	8,117598E+21	5,998153E+21	5,998236E+21	8,117717E+21	1,177550E+22
-2817	1,592641E+22	1,945787E+22	2,148915E+22	2,148947E+22	1,945847E+22	1,592688E+22	1,177585E+22	8,117822E+21	5,998192E+21	5,998081E+21	8,117523E+21	1,177552E+22
-2816	1,592686E+22	1,945886E+22	2,149007E+22	2,148992E+22	1,945855E+22	1,592663E+22	1,177544E+22	8,117513E+21	5,998096E+21	5,998206E+21	8,117939E+21	1,177613E+22
-2815	1,592715E+22	1,945863E+22	2,148963E+22	2,148947E+22	1,945839E+22	1,592679E+22	1,177561E+22	8,117509E+21	5,998018E+21	5,998108E+21	8,117644E+21	1,177551E+22
-2814	1,592626E+22	1,945778E+22	2,148942E+22	2,148971E+22	1,945860E+22	1,592705E+22	1,177603E+22	8,117970E+21	5,998325E+21	5,998218E+21	8,117692E+21	1,177585E+22
-2813	1,592731E+22	1,945897E+22	2,148988E+22	2,148966E+22	1,945833E+22	1,592662E+22	1,177561E+22	8,117772E+21	5,998436E+21	5,998600E+21	8,118190E+21	1,177597E+22
-2812	1,592670E+22	1,945799E+22	2,148879E+22	2,148880E+22	1,945808E+22	1,592691E+22	1,177612E+22	8,118272E+21	5,998821E+21	5,998761E+21	8,117998E+21	1,177549E+22
-2811	1,592606E+22	1,945763E+22	2,148900E+22	2,148905E+22	1,945813E+22	1,592693E+22	1,177628E+22	8,118646E+21	5,999279E+21	5,999207E+21	8,118494E+21	1,177625E+22
-2810	1,592706E+22	1,945821E+22	2,148902E+22	2,148881E+22	1,945768E+22	1,592635E+22	1,177582E+22	8,118436E+21	5,999389E+21	5,999585E+21	8,118892E+21	1,177615E+22
-2809	1,592623E+22	1,945688E+22	2,148765E+22	2,148804E+22	1,945759E+22	1,592669E+22	1,177634E+22	8,118914E+21	5,999691E+21	5,999648E+21	8,118771E+21	1,177609E+22
-2808	1,592648E+22	1,945760E+22	2,148834E+22	2,148825E+22	1,945748E+22	1,592648E+22	1,177620E+22	8,118950E+21	5,999847E+21	5,999885E+21	8,119182E+21	1,177676E+22
-2807	1,592714E+22	1,945790E+22	2,148824E+22	2,148783E+22	1,945708E+22	1,592631E+22	1,177614E+22	8,118879E+21	5,999831E+21	5,999914E+21	8,118995E+21	1,177606E+22
-2806	1,592605E+22	1,945688E+22	2,148795E+22	2,148815E+22	1,945741E+22	1,592661E+22	1,177652E+22	8,119244E+21	5,999999E+21	5,999834E+21	8,118802E+21	1,177609E+22
-2805	1,592675E+22	1,945807E+22	2,148882E+22	2,148860E+22	1,945753E+22	1,592630E+22	1,177598E+22	8,118804E+21	5,999814E+21	5,999951E+21	8,119217E+21	1,177646E+22
-2804	1,592651E+22	1,945731E+22	2,148799E+22	2,148804E+22	1,945750E+22	1,592660E+22	1,177621E+22	8,118802E+21	5,999645E+21	5,999639E+21	8,118698E+21	1,177583E+22
-2803	1,592588E+22	1,945687E+22	2,148815E+22	2,148855E+22	1,945794E+22	1,592694E+22	1,177644E+22	8,118891E+21	5,999545E+21	5,999426E+21	8,118614E+21	1,177627E+22
-2802	1,592711E+22	1,945819E+22	2,148884E+22	2,148872E+22	1,945772E+22	1,592644E+22	1,177585E+22	8,118337E+21	5,999160E+21	5,999294E+21	8,118681E+21	1,177614E+22
-2801	1,592650E+22	1,945739E+22	2,148806E+22	2,148822E+22	1,945769E+22	1,592673E+22	1,177617E+22	8,118452E+21	5,998999E+21	5,998877E+21	8,118088E+21	1,177564E+22
-2800	1,592637E+22	1,945798E+22	2,148916E+22	2,148901E+22	1,945791E+22	1,592662E+22	1,177600E+22	8,118345E+21	5,998916E+21	5,998840E+21	8,118248E+21	1,177620E+22
-2799	1,592719E+22	1,945855E+22	2,148943E+22	2,148912E+22	1,945785E+22	1,592638E+22	1,177559E+22	8,117895E+21	5,998629E+21	5,998769E+21	8,118178E+21	1,177570E+22
-2798	1,592620E+22	1,945744E+22	2,148880E+22	2,148921E+22	1,945829E+22	1,592685E+22	1,177597E+22	8,118102E+21	5,998605E+21	5,998530E+21	8,117892E+21	1,177569E+22
-2797	1,592679E+22	1,945853E+22	2,148962E+22	2,148956E+22	1,945837E+22	1,592668E+22	1,177567E+22	8,117869E+21	5,998542E+21	5,998690E+21	8,118345E+21	1,177629E+22
-2796	1,592700E+22	1,945816E+22	2,148891E+22	2,148880E+22	1,945796E+22	1,592670E+22	1,177585E+22	8,118000E+21	5,998612E+21	5,998652E+21	8,118016E+21	1,177566E+22
-2795	1,592620E+22	1,945740E+22	2,148869E+22	2,148895E+22	1,945816E+22	1,592703E+22	1,177633E+22	8,118537E+21	5,999018E+21	5,998855E+21	8,118080E+21	1,177584E+22
-2794	1,592701E+22	1,945854E+22	2,148936E+22	2,148909E+22	1,945782E+22	1,592642E+22	1,177585E+22	8,118370E+21	5,999198E+21	5,999326E+21	8,118698E+21	1,177612E+22
-2793	1,592645E+22	1,945739E+22	2,148807E+22	2,148813E+22	1,945750E+22	1,592654E+22	1,177614E+22	8,118706E+21	5,999504E+21	5,999496E+21	8,118608E+21	1,177579E+22
-2792	1,592595E+22	1,945710E+22	2,148823E+22	2,148835E+22	1,945758E+22	1,592661E+22	1,177633E+22	8,119057E+21	5,999892E+21	5,999852E+21	8,119024E+21	1,177652E+22
-2791	1,592697E+22	1,945776E+22	2,148827E+22	2,148805E+22	1,945717E+22	1,592621E+22	1,177599E+22	8,118854E+21	5,999955E+21	6,000171E+21	8,119376E+21	1,177643E+22
-2790	1,592623E+22	1,945665E+22	2,148725E+22	2,148750E+22	1,945711E+22	1,592651E+22	1,177649E+22	8,119325E+21	6,000213E+21	6,000125E+21	8,119067E+21	1,177615E+22
-2789	1,592642E+22	1,945750E+22	2,148813E+22	2,148792E+22	1,945713E+22	1,592633E+22	1,177636E+22	8,119367E+21	6,000395E+21	6,000424E+21	8,119531E+21	1,177675E+22
-2788	1,592680E+22	1,945743E+22	2,148782E+22	2,148751E+22	1,945677E+22	1,592614E+22	1,177626E+22	8,119316E+21	6,000430E+21	6,000492E+21	8,119388E+21	1,177615E+22
-2787	1,592581E+22	1,945635E+22	2,148729E+22	2,148771E+22	1,945731E+22	1,592669E+22	1,177671E+22	8,119637E+21	6,000543E+21	6,000389E+21	8,119203E+21	1,177614E+22
-2786	1,592641E+22	1,945753E+22	2,148823E+22	2,148814E+22	1,945731E+22	1,592635E+22	1,177624E+22	8,119222E+21	6,000324E+21	6,000449E+21	8,119615E+21	1,177669E+22
-2785	1,592643E+22	1,945682E+22	2,148728E+22	2,148739E+22	1,945704E+22	1,592642E+22	1,177633E+22	8,119131E+21	6,000088E+21	6,000094E+21	8,119077E+21	1,177609E+22

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	1,592596E+22	1,945664E+22	2,148754E+22	2,148786E+22	1,945738E+22	1,592667E+22	1,177654E+22	8,119262E+21	6,000001E+21	5,999842E+21	8,118889E+21	1,177634E+22
-2783	1,592702E+22	1,945802E+22	2,148845E+22	2,148818E+22	1,945725E+22	1,592624E+22	1,177597E+22	8,118705E+21	5,999649E+21	5,999775E+21	8,119036E+21	1,177626E+22
-2782	1,592634E+22	1,945719E+22	2,148793E+22	2,148800E+22	1,945733E+22	1,592645E+22	1,177617E+22	8,118736E+21	5,999442E+21	5,999331E+21	8,118417E+21	1,177572E+22
-2781	1,592620E+22	1,945770E+22	2,148888E+22	2,148883E+22	1,945777E+22	1,592649E+22	1,177601E+22	8,118573E+21	5,999328E+21	5,999333E+21	8,118678E+21	1,177636E+22
-2780	1,592695E+22	1,945801E+22	2,148882E+22	2,148868E+22	1,945760E+22	1,592631E+22	1,177571E+22	8,118204E+21	5,999077E+21	5,999241E+21	8,118577E+21	1,177597E+22
-2779	1,592623E+22	1,945704E+22	2,148801E+22	2,148854E+22	1,945803E+22	1,592693E+22	1,177623E+22	8,118501E+21	5,999089E+21	5,998987E+21	8,118192E+21	1,177574E+22
-2778	1,592663E+22	1,945825E+22	2,148910E+22	2,148895E+22	1,945795E+22	1,592664E+22	1,177600E+22	8,118415E+21	5,999149E+21	5,999202E+21	8,118644E+21	1,177637E+22
-2777	1,592687E+22	1,945783E+22	2,148841E+22	2,148819E+22	1,945737E+22	1,592639E+22	1,177597E+22	8,118486E+21	5,999271E+21	5,999286E+21	8,118439E+21	1,177576E+22
-2776	1,592602E+22	1,945700E+22	2,148810E+22	2,148838E+22	1,945763E+22	1,592667E+22	1,177641E+22	8,119033E+21	5,999704E+21	5,999533E+21	8,118561E+21	1,177593E+22
-2775	1,592667E+22	1,945797E+22	2,148869E+22	2,148852E+22	1,945746E+22	1,592628E+22	1,177598E+22	8,118811E+21	5,999851E+21	6,000031E+21	8,119300E+21	1,177642E+22
-2774	1,592624E+22	1,945688E+22	2,148752E+22	2,148759E+22	1,945707E+22	1,592635E+22	1,177625E+22	8,119090E+21	6,000062E+21	6,000086E+21	8,119096E+21	1,177607E+22
-2773	1,592593E+22	1,945678E+22	2,148767E+22	2,148780E+22	1,945720E+22	1,592648E+22	1,177650E+22	8,119449E+21	6,000437E+21	6,000433E+21	8,119490E+21	1,177672E+22
-2772	1,592687E+22	1,945738E+22	2,148762E+22	2,148736E+22	1,945667E+22	1,592604E+22	1,177620E+22	8,119351E+21	6,000585E+21	6,000757E+21	8,119771E+21	1,177659E+22
-2771	1,592618E+22	1,945637E+22	2,148667E+22	2,148689E+22	1,945675E+22	1,592646E+22	1,177674E+22	8,119841E+21	6,000873E+21	6,000741E+21	8,119433E+21	1,177612E+22
-2770	1,592608E+22	1,945709E+22	2,148775E+22	2,148758E+22	1,945684E+22	1,592623E+22	1,177658E+22	8,119888E+21	6,001067E+21	6,001054E+21	8,119964E+21	1,177688E+22
-2769	1,592654E+22	1,945682E+22	2,148715E+22	2,148701E+22	1,945644E+22	1,592593E+22	1,177630E+22	8,119669E+21	6,000995E+21	6,001101E+21	8,119887E+21	1,177641E+22
-2768	1,592570E+22	1,945585E+22	2,148652E+22	2,148706E+22	1,945689E+22	1,592651E+22	1,177683E+22	8,119992E+21	6,001018E+21	6,000882E+21	8,119608E+21	1,177635E+22
-2767	1,592629E+22	1,945711E+22	2,148753E+22	2,148745E+22	1,945689E+22	1,592628E+22	1,177644E+22	8,119581E+21	6,000766E+21	6,000889E+21	8,119973E+21	1,177689E+22
-2766	1,592639E+22	1,945666E+22	2,148696E+22	2,148686E+22	1,945654E+22	1,592621E+22	1,177643E+22	8,119456E+21	6,000494E+21	6,000461E+21	8,119306E+21	1,177616E+22
-2765	1,592593E+22	1,945661E+22	2,148741E+22	2,148756E+22	1,945702E+22	1,592644E+22	1,177659E+22	8,119540E+21	6,000428E+21	6,000292E+21	8,119198E+21	1,177637E+22
-2764	1,592677E+22	1,945765E+22	2,148806E+22	2,148784E+22	1,945694E+22	1,592603E+22	1,177600E+22	8,119011E+21	6,000118E+21	6,000254E+21	8,119385E+21	1,177640E+22
-2763	1,592621E+22	1,945682E+22	2,148737E+22	2,148762E+22	1,945726E+22	1,592649E+22	1,177628E+22	8,119025E+21	5,999884E+21	5,999797E+21	8,118759E+21	1,177581E+22
-2762	1,592597E+22	1,945732E+22	2,148844E+22	2,148847E+22	1,945759E+22	1,592652E+22	1,177624E+22	8,118951E+21	5,999793E+21	5,999765E+21	8,119002E+21	1,177658E+22
-2761	1,592690E+22	1,945756E+22	2,148816E+22	2,148809E+22	1,945720E+22	1,592615E+22	1,177584E+22	8,118582E+21	5,999569E+21	5,999713E+21	8,118915E+21	1,177615E+22
-2760	1,592623E+22	1,945681E+22	2,148742E+22	2,148785E+22	1,945749E+22	1,592671E+22	1,177643E+22	8,118999E+21	5,999672E+21	5,999515E+21	8,118518E+21	1,177575E+22
-2759	1,592635E+22	1,945788E+22	2,148862E+22	2,148836E+22	1,945746E+22	1,592647E+22	1,177622E+22	8,118939E+21	5,999823E+21	5,999856E+21	8,119093E+21	1,177644E+22
-2758	1,592653E+22	1,945740E+22	2,148803E+22	2,148776E+22	1,945694E+22	1,592611E+22	1,177604E+22	8,118918E+21	5,999914E+21	5,999952E+21	8,118941E+21	1,177593E+22
-2757	1,592580E+22	1,945654E+22	2,148753E+22	2,148790E+22	1,945731E+22	1,592649E+22	1,177645E+22	8,119374E+21	6,000305E+21	6,000229E+21	8,119151E+21	1,177621E+22
-2756	1,592645E+22	1,945731E+22	2,148781E+22	2,148777E+22	1,945701E+22	1,592613E+22	1,177612E+22	8,119229E+21	6,000456E+21	6,000665E+21	8,119829E+21	1,177679E+22
-2755	1,592632E+22	1,945650E+22	2,148668E+22	2,148681E+22	1,945668E+22	1,592630E+22	1,177648E+22	8,119559E+21	6,000668E+21	6,000670E+21	8,119495E+21	1,177620E+22
-2754	1,592584E+22	1,945655E+22	2,148723E+22	2,148722E+22	1,945674E+22	1,592635E+22	1,177677E+22	8,120006E+21	6,001100E+21	6,001007E+21	8,119848E+21	1,177686E+22
-2753	1,592675E+22	1,945703E+22	2,148717E+22	2,148685E+22	1,945618E+22	1,592576E+22	1,177631E+22	8,119828E+21	6,001252E+21	6,001407E+21	8,120205E+21	1,177670E+22
-2752	1,592599E+22	1,945600E+22	2,148617E+22	2,148642E+22	1,945636E+22	1,592624E+22	1,177687E+22	8,120302E+21	6,001494E+21	6,001370E+21	8,119881E+21	1,177619E+22
-2751	1,592570E+22	1,945652E+22	2,148715E+22	2,148710E+22	1,945662E+22	1,592624E+22	1,177678E+22	8,120294E+21	6,001628E+21	6,001653E+21	8,120451E+21	1,177709E+22
-2750	1,592633E+22	1,945636E+22	2,148664E+22	2,148652E+22	1,945612E+22	1,592586E+22	1,177645E+22	8,120001E+21	6,001443E+21	6,001564E+21	8,120264E+21	1,177663E+22
-2749	1,592570E+22	1,945556E+22	2,148595E+22	2,148648E+22	1,945654E+22	1,592641E+22	1,177696E+22	8,120295E+21	6,001443E+21	6,001325E+21	8,119937E+21	1,177649E+22

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	1,592619E+22	1,945676E+22	2,148694E+22	2,148676E+22	1,945640E+22	1,592610E+22	1,177659E+22	8,119977E+21	6,001256E+21	6,001335E+21	8,120261E+21	1,177703E+22
-2747	1,592638E+22	1,945646E+22	2,148652E+22	2,148636E+22	1,945616E+22	1,592603E+22	1,177654E+22	8,119831E+21	6,000999E+21	6,000940E+21	8,119589E+21	1,177612E+22
-2746	1,592564E+22	1,945630E+22	2,148716E+22	2,148731E+22	1,945676E+22	1,592627E+22	1,177667E+22	8,119894E+21	6,000929E+21	6,000774E+21	8,119553E+21	1,177653E+22
-2745	1,592658E+22	1,945716E+22	2,148755E+22	2,148743E+22	1,945666E+22	1,592584E+22	1,177598E+22	8,119252E+21	6,000559E+21	6,000749E+21	8,119795E+21	1,177663E+22
-2744	1,592619E+22	1,945648E+22	2,148677E+22	2,148704E+22	1,945688E+22	1,592636E+22	1,177640E+22	8,119332E+21	6,000288E+21	6,000220E+21	8,119084E+21	1,177595E+22
-2743	1,592585E+22	1,945696E+22	2,148787E+22	2,148790E+22	1,945727E+22	1,592651E+22	1,177647E+22	8,119344E+21	6,000265E+21	6,000212E+21	8,119301E+21	1,177667E+22
-2742	1,592677E+22	1,945738E+22	2,148787E+22	2,148760E+22	1,945677E+22	1,592597E+22	1,177599E+22	8,118985E+21	6,000082E+21	6,000179E+21	8,119191E+21	1,177618E+22
-2741	1,592607E+22	1,945657E+22	2,148712E+22	2,148746E+22	1,945712E+22	1,592650E+22	1,177652E+22	8,119388E+21	6,000262E+21	6,000134E+21	8,118943E+21	1,177581E+22
-2740	1,592597E+22	1,945724E+22	2,148797E+22	2,148783E+22	1,945710E+22	1,592631E+22	1,177634E+22	8,119383E+21	6,000467E+21	6,000529E+21	8,119617E+21	1,177668E+22
-2739	1,592636E+22	1,945682E+22	2,148723E+22	2,148713E+22	1,945668E+22	1,592608E+22	1,177622E+22	8,119343E+21	6,000533E+21	6,000616E+21	8,119467E+21	1,177615E+22
-2738	1,592562E+22	1,945605E+22	2,148691E+22	2,148729E+22	1,945693E+22	1,592642E+22	1,177669E+22	8,119851E+21	6,000919E+21	6,000828E+21	8,119638E+21	1,177657E+22
-2737	1,592649E+22	1,945687E+22	2,148704E+22	2,148697E+22	1,945644E+22	1,592589E+22	1,177626E+22	8,119686E+21	6,001084E+21	6,001284E+21	8,120280E+21	1,177704E+22
-2736	1,592641E+22	1,945633E+22	2,148614E+22	2,148605E+22	1,945604E+22	1,592605E+22	1,177669E+22	8,120093E+21	6,001327E+21	6,001290E+21	8,119891E+21	1,177626E+22
-2735	1,592560E+22	1,945621E+22	2,148683E+22	2,148673E+22	1,945631E+22	1,592619E+22	1,177698E+22	8,120539E+21	6,001798E+21	6,001691E+21	8,120305E+21	1,177692E+22
-2734	1,592641E+22	1,945660E+22	2,148681E+22	2,148649E+22	1,945586E+22	1,592557E+22	1,177641E+22	8,120250E+21	6,001866E+21	6,002037E+21	8,120676E+21	1,177685E+22
-2733	1,592577E+22	1,945552E+22	2,148563E+22	2,148598E+22	1,945612E+22	1,592617E+22	1,177697E+22	8,120628E+21	6,002037E+21	6,001986E+21	8,120382E+21	1,177641E+22
-2732	1,592545E+22	1,945582E+22	2,148628E+22	2,148634E+22	1,945621E+22	1,592618E+22	1,177699E+22	8,120694E+21	6,002142E+21	6,002168E+21	8,120847E+21	1,177733E+22
-2731	1,592634E+22	1,945596E+22	2,148586E+22	2,148577E+22	1,945573E+22	1,592580E+22	1,177668E+22	8,120421E+21	6,001946E+21	6,002025E+21	8,120548E+21	1,177668E+22
-2730	1,592559E+22	1,945538E+22	2,148563E+22	2,148597E+22	1,945606E+22	1,592622E+22	1,177713E+22	8,120731E+21	6,001969E+21	6,001769E+21	8,120211E+21	1,177659E+22
-2729	1,592609E+22	1,945643E+22	2,148654E+22	2,148630E+22	1,945591E+22	1,592576E+22	1,177658E+22	8,120304E+21	6,001770E+21	6,001852E+21	8,120615E+21	1,177713E+22
-2728	1,592628E+22	1,945619E+22	2,148617E+22	2,148598E+22	1,945581E+22	1,592580E+22	1,177657E+22	8,120123E+21	6,001442E+21	6,001425E+21	8,119965E+21	1,177622E+22
-2727	1,592539E+22	1,945588E+22	2,148676E+22	2,148699E+22	1,945660E+22	1,592626E+22	1,177679E+22	8,120166E+21	6,001337E+21	6,001232E+21	8,119934E+21	1,177670E+22
-2726	1,592645E+22	1,945684E+22	2,148719E+22	2,148707E+22	1,945644E+22	1,592579E+22	1,177611E+22	8,119514E+21	6,000915E+21	6,001120E+21	8,120083E+21	1,177679E+22
-2725	1,592620E+22	1,945628E+22	2,148636E+22	2,148657E+22	1,945662E+22	1,592633E+22	1,177655E+22	8,119632E+21	6,000717E+21	6,000661E+21	8,119376E+21	1,177601E+22
-2724	1,592566E+22	1,945652E+22	2,148729E+22	2,148725E+22	1,945683E+22	1,592643E+22	1,177671E+22	8,119809E+21	6,000830E+21	6,000735E+21	8,119624E+21	1,177672E+22
-2723	1,592660E+22	1,945698E+22	2,148733E+22	2,148710E+22	1,945643E+22	1,592585E+22	1,177618E+22	8,119467E+21	6,000718E+21	6,000801E+21	8,119602E+21	1,177621E+22
-2722	1,592573E+22	1,945607E+22	2,148665E+22	2,148702E+22	1,945677E+22	1,592633E+22	1,177666E+22	8,119851E+21	6,000909E+21	6,000778E+21	8,119468E+21	1,177611E+22
-2721	1,592583E+22	1,945659E+22	2,148715E+22	2,148710E+22	1,945661E+22	1,592607E+22	1,177639E+22	8,119757E+21	6,001070E+21	6,001194E+21	8,120186E+21	1,177705E+22
-2720	1,592644E+22	1,945645E+22	2,148649E+22	2,148629E+22	1,945604E+22	1,592586E+22	1,177639E+22	8,119766E+21	6,001091E+21	6,001203E+21	8,119938E+21	1,177639E+22
-2719	1,592558E+22	1,945575E+22	2,148635E+22	2,148661E+22	1,945643E+22	1,592629E+22	1,177691E+22	8,120329E+21	6,001525E+21	6,001417E+21	8,120043E+21	1,177670E+22
-2718	1,592642E+22	1,945674E+22	2,148680E+22	2,148647E+22	1,945595E+22	1,592566E+22	1,177641E+22	8,120149E+21	6,001701E+21	6,001868E+21	8,120645E+21	1,177710E+22
-2717	1,592624E+22	1,945608E+22	2,148586E+22	2,148571E+22	1,945572E+22	1,592587E+22	1,177678E+22	8,120508E+21	6,001978E+21	6,001965E+21	8,120335E+21	1,177629E+22
-2716	1,592519E+22	1,945551E+22	2,148616E+22	2,148625E+22	1,945606E+22	1,592615E+22	1,177718E+22	8,121019E+21	6,002456E+21	6,002360E+21	8,120800E+21	1,177708E+22
-2715	1,592617E+22	1,945596E+22	2,148603E+22	2,148593E+22	1,945565E+22	1,592560E+22	1,177665E+22	8,120707E+21	6,002465E+21	6,002645E+21	8,121134E+21	1,177700E+22
-2714	1,592552E+22	1,945495E+22	2,148496E+22	2,148536E+22	1,945574E+22	1,592613E+22	1,177724E+22	8,121109E+21	6,002601E+21	6,002507E+21	8,120802E+21	1,177670E+22
-2713	1,592543E+22	1,945531E+22	2,148547E+22	2,148551E+22	1,945561E+22	1,592594E+22	1,177713E+22	8,121114E+21	6,002699E+21	6,002708E+21	8,121232E+21	1,177751E+22

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2712	1,592640E+22	1,945580E+22	2,148537E+22	2,148501E+22	1,945502E+22	1,592550E+22	1,177682E+22	8,120840E+21	6,002478E+21	6,002546E+21	8,120901E+21	1,177673E+22
-2711	1,592539E+22	1,945509E+22	2,148535E+22	2,148560E+22	1,945566E+22	1,592598E+22	1,177719E+22	8,121081E+21	6,002490E+21	6,002315E+21	8,120609E+21	1,177668E+22
-2710	1,592590E+22	1,945615E+22	2,148630E+22	2,148605E+22	1,945565E+22	1,592553E+22	1,177653E+22	8,120522E+21	6,002180E+21	6,002316E+21	8,121000E+21	1,177731E+22
-2709	1,592619E+22	1,945588E+22	2,148581E+22	2,148570E+22	1,945566E+22	1,592574E+22	1,177657E+22	8,120281E+21	6,001796E+21	6,001856E+21	8,120325E+21	1,177639E+22
-2708	1,592526E+22	1,945536E+22	2,148611E+22	2,148644E+22	1,945633E+22	1,592629E+22	1,177700E+22	8,120489E+21	6,001722E+21	6,001608E+21	8,120208E+21	1,177682E+22
-2707	1,592644E+22	1,945653E+22	2,148661E+22	2,148653E+22	1,945617E+22	1,592581E+22	1,177637E+22	8,119929E+21	6,001374E+21	6,001513E+21	8,120291E+21	1,177675E+22
-2706	1,592600E+22	1,945603E+22	2,148608E+22	2,148615E+22	1,945623E+22	1,592623E+22	1,177680E+22	8,120117E+21	6,001273E+21	6,001139E+21	8,119689E+21	1,177610E+22
-2705	1,592545E+22	1,945599E+22	2,148671E+22	2,148670E+22	1,945636E+22	1,592616E+22	1,177679E+22	8,120231E+21	6,001444E+21	6,001363E+21	8,120077E+21	1,177684E+22
-2704	1,592644E+22	1,945655E+22	2,148674E+22	2,148648E+22	1,945594E+22	1,592565E+22	1,177631E+22	8,119871E+21	6,001296E+21	6,001434E+21	8,120128E+21	1,177642E+22
-2703	1,592554E+22	1,945556E+22	2,148606E+22	2,148647E+22	1,945640E+22	1,592622E+22	1,177681E+22	8,120240E+21	6,001475E+21	6,001397E+21	8,119990E+21	1,177638E+22
-2702	1,592580E+22	1,945626E+22	2,148662E+22	2,148650E+22	1,945614E+22	1,592586E+22	1,177650E+22	8,120130E+21	6,001591E+21	6,001728E+21	8,120608E+21	1,177730E+22
-2701	1,592653E+22	1,945629E+22	2,148607E+22	2,148574E+22	1,945561E+22	1,592570E+22	1,177650E+22	8,120163E+21	6,001677E+21	6,001791E+21	8,120334E+21	1,177648E+22
-2700	1,592540E+22	1,945535E+22	2,148582E+22	2,148597E+22	1,945592E+22	1,592615E+22	1,177716E+22	8,120873E+21	6,002208E+21	6,002058E+21	8,120444E+21	1,177672E+22
-2699	1,592614E+22	1,945625E+22	2,148626E+22	2,148606E+22	1,945567E+22	1,592556E+22	1,177664E+22	8,120703E+21	6,002424E+21	6,002566E+21	8,121099E+21	1,177710E+22
-2698	1,592583E+22	1,945546E+22	2,148533E+22	2,148532E+22	1,945547E+22	1,592580E+22	1,177699E+22	8,121027E+21	6,002671E+21	6,002652E+21	8,120896E+21	1,177658E+22
-2697	1,592497E+22	1,945468E+22	2,148516E+22	2,148545E+22	1,945560E+22	1,592601E+22	1,177733E+22	8,121451E+21	6,003090E+21	6,003035E+21	8,121353E+21	1,177737E+22
-2696	1,592616E+22	1,945549E+22	2,148518E+22	2,148501E+22	1,945500E+22	1,592543E+22	1,177689E+22	8,121156E+21	6,003019E+21	6,003208E+21	8,121583E+21	1,177722E+22
-2695	1,592547E+22	1,945463E+22	2,148438E+22	2,148464E+22	1,945516E+22	1,592592E+22	1,177742E+22	8,121551E+21	6,003158E+21	6,003040E+21	8,121174E+21	1,177681E+22
-2694	1,592540E+22	1,945521E+22	2,148521E+22	2,148500E+22	1,945504E+22	1,592560E+22	1,177716E+22	8,121460E+21	6,003195E+21	6,003195E+21	8,121564E+21	1,177760E+22
-2693	1,592632E+22	1,945566E+22	2,148520E+22	2,148479E+22	1,945473E+22	1,592525E+22	1,177676E+22	8,121079E+21	6,002945E+21	6,003061E+21	8,121270E+21	1,177679E+22
-2692	1,592513E+22	1,945461E+22	2,148488E+22	2,148527E+22	1,945550E+22	1,592595E+22	1,177729E+22	8,121364E+21	6,002914E+21	6,002773E+21	8,120977E+21	1,177682E+22
-2691	1,592576E+22	1,945571E+22	2,148578E+22	2,148576E+22	1,945560E+22	1,592561E+22	1,177673E+22	8,120831E+21	6,002572E+21	6,002706E+21	8,121291E+21	1,177740E+22
-2690	1,592604E+22	1,945551E+22	2,148538E+22	2,148535E+22	1,945548E+22	1,592579E+22	1,177683E+22	8,120667E+21	6,002208E+21	6,002207E+21	8,120598E+21	1,177658E+22
-2689	1,592523E+22	1,945493E+22	2,148541E+22	2,148576E+22	1,945588E+22	1,592617E+22	1,177719E+22	8,120906E+21	6,002229E+21	6,002071E+21	8,120501E+21	1,177687E+22
-2688	1,592636E+22	1,945632E+22	2,148617E+22	2,148587E+22	1,945554E+22	1,592560E+22	1,177660E+22	8,120392E+21	6,001928E+21	6,002043E+21	8,120643E+21	1,177675E+22
-2687	1,592569E+22	1,945560E+22	2,148569E+22	2,148575E+22	1,945580E+22	1,592599E+22	1,177691E+22	8,120548E+21	6,001879E+21	6,001768E+21	8,120169E+21	1,177623E+22
-2686	1,592526E+22	1,945562E+22	2,148623E+22	2,148623E+22	1,945595E+22	1,592590E+22	1,177678E+22	8,120535E+21	6,001968E+21	6,001955E+21	8,120595E+21	1,177713E+22
-2685	1,592642E+22	1,945619E+22	2,148617E+22	2,148593E+22	1,945556E+22	1,592547E+22	1,177631E+22	8,120127E+21	6,001786E+21	6,001998E+21	8,120603E+21	1,177667E+22
-2684	1,592547E+22	1,945509E+22	2,148533E+22	2,148577E+22	1,945595E+22	1,592611E+22	1,177700E+22	8,120644E+21	6,002001E+21	6,001917E+21	8,120380E+21	1,177657E+22
-2683	1,592582E+22	1,945599E+22	2,148609E+22	2,148597E+22	1,945576E+22	1,592574E+22	1,177673E+22	8,120622E+21	6,002192E+21	6,002265E+21	8,120924E+21	1,177729E+22
-2682	1,592629E+22	1,945598E+22	2,148577E+22	2,148538E+22	1,945524E+22	1,592556E+22	1,177674E+22	8,120716E+21	6,002353E+21	6,002402E+21	8,120754E+21	1,177660E+22
-2681	1,592512E+22	1,945471E+22	2,148513E+22	2,148542E+22	1,945552E+22	1,592596E+22	1,177732E+22	8,121388E+21	6,002937E+21	6,002800E+21	8,120984E+21	1,177684E+22
-2680	1,592587E+22	1,945569E+22	2,148555E+22	2,148536E+22	1,945519E+22	1,592547E+22	1,177689E+22	8,121201E+21	6,003089E+21	6,003270E+21	8,121666E+21	1,177730E+22
-2679	1,592554E+22	1,945481E+22	2,148458E+22	2,148467E+22	1,945506E+22	1,592574E+22	1,177724E+22	8,121513E+21	6,003309E+21	6,003320E+21	8,121441E+21	1,177686E+22
-2678	1,592495E+22	1,945430E+22	2,148442E+22	2,148468E+22	1,945504E+22	1,592579E+22	1,177746E+22	8,121861E+21	6,003641E+21	6,003590E+21	8,121795E+21	1,177762E+22
-2677	1,592623E+22	1,945532E+22	2,148465E+22	2,148433E+22	1,945445E+22	1,592518E+22	1,177694E+22	8,121527E+21	6,003576E+21	6,003756E+21	8,121956E+21	1,177733E+22

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	1,592534E+22	1,945432E+22	2,148392E+22	2,148406E+22	1,945463E+22	1,592568E+22	1,177755E+22	8,121980E+21	6,003727E+21	6,003587E+21	8,121544E+21	1,177689E+22
-2675	1,592522E+22	1,945486E+22	2,148485E+22	2,148477E+22	1,945479E+22	1,592541E+22	1,177724E+22	8,121841E+21	6,003731E+21	6,003719E+21	8,121928E+21	1,177764E+22
-2674	1,592604E+22	1,945524E+22	2,148487E+22	2,148460E+22	1,945462E+22	1,592522E+22	1,177689E+22	8,121415E+21	6,003405E+21	6,003524E+21	8,121680E+21	1,177705E+22
-2673	1,592500E+22	1,945404E+22	2,148414E+22	2,148470E+22	1,945520E+22	1,592589E+22	1,177743E+22	8,121676E+21	6,003351E+21	6,003228E+21	8,121331E+21	1,177698E+22
-2672	1,592573E+22	1,945543E+22	2,148518E+22	2,148506E+22	1,945513E+22	1,592559E+22	1,177701E+22	8,121219E+21	6,002995E+21	6,003097E+21	8,121554E+21	1,177745E+22
-2671	1,592591E+22	1,945526E+22	2,148498E+22	2,148486E+22	1,945508E+22	1,592568E+22	1,177705E+22	8,121101E+21	6,002718E+21	6,002665E+21	8,120873E+21	1,177659E+22
-2670	1,592511E+22	1,945474E+22	2,148504E+22	2,148530E+22	1,945540E+22	1,592588E+22	1,177724E+22	8,121261E+21	6,002734E+21	6,002568E+21	8,120842E+21	1,177693E+22
-2669	1,592617E+22	1,945601E+22	2,148583E+22	2,148557E+22	1,945524E+22	1,592535E+22	1,177655E+22	8,120674E+21	6,002447E+21	6,002607E+21	8,121081E+21	1,177688E+22
-2668	1,592543E+22	1,945506E+22	2,148507E+22	2,148525E+22	1,945548E+22	1,592587E+22	1,177700E+22	8,120875E+21	6,002377E+21	6,002315E+21	8,120644E+21	1,177647E+22
-2667	1,592514E+22	1,945513E+22	2,148560E+22	2,148578E+22	1,945567E+22	1,592581E+22	1,177694E+22	8,120899E+21	6,002456E+21	6,002451E+21	8,120989E+21	1,177731E+22
-2666	1,592634E+22	1,945587E+22	2,148568E+22	2,148546E+22	1,945525E+22	1,592542E+22	1,177653E+22	8,120566E+21	6,002307E+21	6,002482E+21	8,120995E+21	1,177693E+22
-2665	1,592546E+22	1,945470E+22	2,148462E+22	2,148501E+22	1,945541E+22	1,592593E+22	1,177719E+22	8,121135E+21	6,002639E+21	6,002521E+21	8,120771E+21	1,177665E+22
-2664	1,592568E+22	1,945573E+22	2,148561E+22	2,148531E+22	1,945516E+22	1,592556E+22	1,177700E+22	8,121172E+21	6,002883E+21	6,002930E+21	8,121368E+21	1,177733E+22
-2663	1,592592E+22	1,945544E+22	2,148526E+22	2,148498E+22	1,945489E+22	1,592538E+22	1,177692E+22	8,121251E+21	6,003093E+21	6,003153E+21	8,121310E+21	1,177676E+22
-2662	1,592489E+22	1,945418E+22	2,148439E+22	2,148480E+22	1,945510E+22	1,592576E+22	1,177741E+22	8,121807E+21	6,003576E+21	6,003492E+21	8,121570E+21	1,177714E+22
-2661	1,592575E+22	1,945520E+22	2,148481E+22	2,148468E+22	1,945475E+22	1,592531E+22	1,177698E+22	8,121581E+21	6,003683E+21	6,003896E+21	8,122166E+21	1,177756E+22
-2660	1,592545E+22	1,945431E+22	2,148375E+22	2,148383E+22	1,945449E+22	1,592559E+22	1,177748E+22	8,121993E+21	6,003899E+21	6,003883E+21	8,121855E+21	1,177705E+22
-2659	1,592493E+22	1,945403E+22	2,148390E+22	2,148410E+22	1,945455E+22	1,592557E+22	1,177765E+22	8,122347E+21	6,004240E+21	6,004126E+21	8,122118E+21	1,177765E+22
-2658	1,592603E+22	1,945509E+22	2,148440E+22	2,148401E+22	1,945409E+22	1,592499E+22	1,177709E+22	8,121981E+21	6,004158E+21	6,004297E+21	8,122350E+21	1,177747E+22
-2657	1,592513E+22	1,945384E+22	2,148335E+22	2,148362E+22	1,945432E+22	1,592549E+22	1,177761E+22	8,122353E+21	6,004298E+21	6,004180E+21	8,121985E+21	1,177703E+22
-2656	1,592505E+22	1,945449E+22	2,148436E+22	2,148426E+22	1,945447E+22	1,592538E+22	1,177744E+22	8,122190E+21	6,004207E+21	6,004223E+21	8,122334E+21	1,177780E+22
-2655	1,592581E+22	1,945474E+22	2,148434E+22	2,148424E+22	1,945442E+22	1,592522E+22	1,177710E+22	8,121788E+21	6,003870E+21	6,003986E+21	8,122027E+21	1,177721E+22
-2654	1,592501E+22	1,945381E+22	2,148357E+22	2,148413E+22	1,945482E+22	1,592577E+22	1,177757E+22	8,122007E+21	6,003774E+21	6,003637E+21	8,121630E+21	1,177711E+22
-2653	1,592569E+22	1,945528E+22	2,148478E+22	2,148451E+22	1,945470E+22	1,592539E+22	1,177707E+22	8,121550E+21	6,003474E+21	6,003541E+21	8,121809E+21	1,177743E+22
-2652	1,592563E+22	1,945487E+22	2,148451E+22	2,148435E+22	1,945463E+22	1,592548E+22	1,177718E+22	8,121502E+21	6,003250E+21	6,003185E+21	8,121236E+21	1,177667E+22
-2651	1,592487E+22	1,945429E+22	2,148459E+22	2,148501E+22	1,945513E+22	1,592565E+22	1,177728E+22	8,121605E+21	6,003253E+21	6,003102E+21	8,121255E+21	1,177707E+22
-2650	1,592591E+22	1,945554E+22	2,148531E+22	2,148520E+22	1,945503E+22	1,592526E+22	1,177664E+22	8,120987E+21	6,002907E+21	6,003103E+21	8,121559E+21	1,177725E+22
-2649	1,592539E+22	1,945453E+22	2,148424E+22	2,148452E+22	1,945504E+22	1,592571E+22	1,177710E+22	8,121204E+21	6,002862E+21	6,002831E+21	8,121067E+21	1,177673E+22
-2648	1,592522E+22	1,945495E+22	2,148503E+22	2,148499E+22	1,945509E+22	1,592568E+22	1,177717E+22	8,121320E+21	6,002967E+21	6,002932E+21	8,121319E+21	1,177742E+22
-2647	1,592621E+22	1,945564E+22	2,148531E+22	2,148499E+22	1,945482E+22	1,592525E+22	1,177675E+22	8,121072E+21	6,002938E+21	6,003060E+21	8,121336E+21	1,177696E+22
-2646	1,592532E+22	1,945450E+22	2,148422E+22	2,148455E+22	1,945496E+22	1,592567E+22	1,177729E+22	8,121589E+21	6,003288E+21	6,003170E+21	8,121218E+21	1,177672E+22
-2645	1,592540E+22	1,945530E+22	2,148514E+22	2,148491E+22	1,945488E+22	1,592539E+22	1,177706E+22	8,121597E+21	6,003555E+21	6,003618E+21	8,121862E+21	1,177745E+22
-2644	1,592557E+22	1,945476E+22	2,148448E+22	2,148437E+22	1,945457E+22	1,592535E+22	1,177716E+22	8,121742E+21	6,003753E+21	6,003837E+21	8,121865E+21	1,177703E+22
-2643	1,592472E+22	1,945357E+22	2,148360E+22	2,148420E+22	1,945473E+22	1,592567E+22	1,177766E+22	8,122312E+21	6,004206E+21	6,004101E+21	8,122032E+21	1,177736E+22
-2642	1,592563E+22	1,945477E+22	2,148415E+22	2,148403E+22	1,945432E+22	1,592521E+22	1,177724E+22	8,122107E+21	6,004301E+21	6,004471E+21	8,122622E+21	1,177784E+22
-2641	1,592540E+22	1,945392E+22	2,148302E+22	2,148297E+22	1,945382E+22	1,592532E+22	1,177764E+22	8,122508E+21	6,004585E+21	6,004540E+21	8,122294E+21	1,177717E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2640	1,592479E+22	1,945379E+22	2,148349E+22	2,148346E+22	1,945393E+22	1,592532E+22	1,177782E+22	8,122826E+21	6,004893E+21	6,004776E+21	8,122573E+21	1,177774E+22
-2639	1,592573E+22	1,945463E+22	2,148400E+22	2,148372E+22	1,945385E+22	1,592483E+22	1,177719E+22	8,122400E+21	6,004783E+21	6,004946E+21	8,122835E+21	1,177766E+22
-2638	1,592502E+22	1,945346E+22	2,148274E+22	2,148311E+22	1,945402E+22	1,592535E+22	1,177764E+22	8,122625E+21	6,004765E+21	6,004706E+21	8,122431E+21	1,177728E+22
-2637	1,592498E+22	1,945414E+22	2,148381E+22	2,148376E+22	1,945420E+22	1,592529E+22	1,177750E+22	8,122463E+21	6,004627E+21	6,004638E+21	8,122626E+21	1,177793E+22
-2636	1,592571E+22	1,945437E+22	2,148374E+22	2,148362E+22	1,945404E+22	1,592516E+22	1,177731E+22	8,122169E+21	6,004307E+21	6,004377E+21	8,122275E+21	1,177727E+22
-2635	1,592488E+22	1,945353E+22	2,148318E+22	2,148371E+22	1,945444E+22	1,592560E+22	1,177772E+22	8,122402E+21	6,004247E+21	6,004046E+21	8,121854E+21	1,177707E+22
-2634	1,592539E+22	1,945494E+22	2,148450E+22	2,148427E+22	1,945446E+22	1,592526E+22	1,177719E+22	8,121915E+21	6,003949E+21	6,004010E+21	8,122173E+21	1,177757E+22
-2633	1,592539E+22	1,945434E+22	2,148386E+22	2,148380E+22	1,945427E+22	1,592530E+22	1,177723E+22	8,121821E+21	6,003758E+21	6,003741E+21	8,121679E+21	1,177686E+22
-2632	1,592475E+22	1,945394E+22	2,148404E+22	2,148436E+22	1,945472E+22	1,592558E+22	1,177743E+22	8,121913E+21	6,003706E+21	6,003600E+21	8,121680E+21	1,177731E+22
-2631	1,592581E+22	1,945514E+22	2,148478E+22	2,148473E+22	1,945472E+22	1,592517E+22	1,177680E+22	8,121364E+21	6,003402E+21	6,003594E+21	8,121918E+21	1,177747E+22
-2630	1,592551E+22	1,945441E+22	2,148370E+22	2,148387E+22	1,945457E+22	1,592551E+22	1,177720E+22	8,121559E+21	6,003354E+21	6,003316E+21	8,121406E+21	1,177688E+22
-2629	1,592519E+22	1,945483E+22	2,148472E+22	2,148450E+22	1,945464E+22	1,592544E+22	1,177725E+22	8,121735E+21	6,003558E+21	6,003475E+21	8,121625E+21	1,177740E+22
-2628	1,592589E+22	1,945520E+22	2,148486E+22	2,148455E+22	1,945445E+22	1,592510E+22	1,177695E+22	8,121585E+21	6,003613E+21	6,003719E+21	8,121790E+21	1,177704E+22
-2627	1,592497E+22	1,945391E+22	2,148368E+22	2,148420E+22	1,945471E+22	1,592555E+22	1,177745E+22	8,122079E+21	6,003971E+21	6,003861E+21	8,121737E+21	1,177689E+22
-2626	1,592504E+22	1,945462E+22	2,148442E+22	2,148438E+22	1,945464E+22	1,592539E+22	1,177729E+22	8,122068E+21	6,004182E+21	6,004279E+21	8,122435E+21	1,177778E+22
-2625	1,592543E+22	1,945409E+22	2,148345E+22	2,148341E+22	1,945400E+22	1,592521E+22	1,177738E+22	8,122248E+21	6,004424E+21	6,004517E+21	8,122394E+21	1,177732E+22
-2624	1,592474E+22	1,945329E+22	2,148287E+22	2,148321E+22	1,945402E+22	1,592549E+22	1,177791E+22	8,122836E+21	6,004865E+21	6,004729E+21	8,122474E+21	1,177753E+22
-2623	1,592549E+22	1,945442E+22	2,148367E+22	2,148343E+22	1,945377E+22	1,592495E+22	1,177741E+22	8,122643E+21	6,005007E+21	6,005136E+21	8,123039E+21	1,177796E+22
-2622	1,592534E+22	1,945370E+22	2,148260E+22	2,148247E+22	1,945334E+22	1,592498E+22	1,177765E+22	8,122892E+21	6,005202E+21	6,005196E+21	8,122786E+21	1,177733E+22
-2621	1,592463E+22	1,945346E+22	2,148310E+22	2,148309E+22	1,945365E+22	1,592510E+22	1,177779E+22	8,123133E+21	6,005439E+21	6,005351E+21	8,122997E+21	1,177786E+22
-2620	1,592545E+22	1,945407E+22	2,148338E+22	2,148324E+22	1,945364E+22	1,592485E+22	1,177739E+22	8,122763E+21	6,005270E+21	6,005459E+21	8,123247E+21	1,177786E+22
-2619	1,592489E+22	1,945300E+22	2,148221E+22	2,148272E+22	1,945380E+22	1,592533E+22	1,177786E+22	8,123000E+21	6,005212E+21	6,005121E+21	8,122720E+21	1,177739E+22
-2618	1,592485E+22	1,945378E+22	2,148329E+22	2,148327E+22	1,945394E+22	1,592530E+22	1,177775E+22	8,122868E+21	6,005070E+21	6,005037E+21	8,122899E+21	1,177802E+22
-2617	1,592556E+22	1,945399E+22	2,148312E+22	2,148290E+22	1,945350E+22	1,592497E+22	1,177748E+22	8,122598E+21	6,004854E+21	6,004892E+21	8,122598E+21	1,177731E+22
-2616	1,592470E+22	1,945325E+22	2,148278E+22	2,148309E+22	1,945390E+22	1,592538E+22	1,177784E+22	8,122788E+21	6,004782E+21	6,004588E+21	8,122247E+21	1,177716E+22
-2615	1,592510E+22	1,945442E+22	2,148403E+22	2,148390E+22	1,945418E+22	1,592509E+22	1,177725E+22	8,122258E+21	6,004477E+21	6,004571E+21	8,122606E+21	1,177780E+22
-2614	1,592540E+22	1,945403E+22	2,148327E+22	2,148321E+22	1,945387E+22	1,592508E+22	1,177721E+22	8,122040E+21	6,004173E+21	6,004233E+21	8,122120E+21	1,177715E+22
-2613	1,592481E+22	1,945374E+22	2,148359E+22	2,148382E+22	1,945433E+22	1,592537E+22	1,177744E+22	8,122174E+21	6,004121E+21	6,004009E+21	8,121961E+21	1,177743E+22
-2612	1,592577E+22	1,945489E+22	2,148433E+22	2,148418E+22	1,945434E+22	1,592508E+22	1,177701E+22	8,121777E+21	6,003901E+21	6,004049E+21	8,122195E+21	1,177751E+22
-2611	1,592537E+22	1,945417E+22	2,148346E+22	2,148359E+22	1,945425E+22	1,592535E+22	1,177737E+22	8,122009E+21	6,003930E+21	6,003837E+21	8,121701E+21	1,177685E+22
-2610	1,592484E+22	1,945438E+22	2,148438E+22	2,148427E+22	1,945450E+22	1,592541E+22	1,177746E+22	8,122204E+21	6,004168E+21	6,004095E+21	8,122082E+21	1,177750E+22
-2609	1,592554E+22	1,945450E+22	2,148407E+22	2,148392E+22	1,945411E+22	1,592503E+22	1,177714E+22	8,122070E+21	6,004299E+21	6,004443E+21	8,122361E+21	1,177726E+22
-2608	1,592474E+22	1,945334E+22	2,148289E+22	2,148335E+22	1,945423E+22	1,592553E+22	1,177773E+22	8,122577E+21	6,004629E+21	6,004550E+21	8,122303E+21	1,177719E+22
-2607	1,592490E+22	1,945401E+22	2,148362E+22	2,148365E+22	1,945419E+22	1,592530E+22	1,177755E+22	8,122614E+21	6,004873E+21	6,004958E+21	8,122927E+21	1,177808E+22
-2606	1,592556E+22	1,945383E+22	2,148268E+22	2,148246E+22	1,945329E+22	1,592490E+22	1,177749E+22	8,122706E+21	6,005072E+21	6,005174E+21	8,122876E+21	1,177753E+22
-2605	1,592473E+22	1,945311E+22	2,148247E+22	2,148256E+22	1,945337E+22	1,592509E+22	1,177793E+22	8,123277E+21	6,005527E+21	6,005364E+21	8,122883E+21	1,177761E+22

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	1,592525E+22	1,945400E+22	2,148323E+22	2,148298E+22	1,945335E+22	1,592470E+22	1,177752E+22	8,123101E+21	6,005662E+21	6,005804E+21	8,123531E+21	1,177810E+22
-2603	1,592507E+22	1,945318E+22	2,148217E+22	2,148219E+22	1,945311E+22	1,592484E+22	1,177773E+22	8,123265E+21	6,005765E+21	6,005782E+21	8,123240E+21	1,177751E+22
-2602	1,592440E+22	1,945292E+22	2,148254E+22	2,148271E+22	1,945353E+22	1,592517E+22	1,177800E+22	8,123486E+21	6,005899E+21	6,005847E+21	8,123418E+21	1,177808E+22
-2601	1,592535E+22	1,945354E+22	2,148256E+22	2,148246E+22	1,945320E+22	1,592481E+22	1,177764E+22	8,123187E+21	6,005779E+21	6,005943E+21	8,123581E+21	1,177798E+22
-2600	1,592483E+22	1,945277E+22	2,148167E+22	2,148191E+22	1,945326E+22	1,592527E+22	1,177812E+22	8,123448E+21	6,005731E+21	6,005585E+21	8,122999E+21	1,177741E+22
-2599	1,592462E+22	1,945338E+22	2,148291E+22	2,148283E+22	1,945353E+22	1,592514E+22	1,177793E+22	8,123323E+21	6,005647E+21	6,005567E+21	8,123194E+21	1,177804E+22
-2598	1,592545E+22	1,945368E+22	2,148266E+22	2,148242E+22	1,945306E+22	1,592467E+22	1,177746E+22	8,122891E+21	6,005351E+21	6,005443E+21	8,123034E+21	1,177747E+22
-2597	1,592457E+22	1,945294E+22	2,148241E+22	2,148271E+22	1,945358E+22	1,592512E+22	1,177777E+22	8,123016E+21	6,005217E+21	6,005063E+21	8,122637E+21	1,177734E+22
-2596	1,592496E+22	1,945396E+22	2,148350E+22	2,148344E+22	1,945390E+22	1,592502E+22	1,177738E+22	8,122554E+21	6,004890E+21	6,005019E+21	8,122993E+21	1,177803E+22
-2595	1,592539E+22	1,945371E+22	2,148290E+22	2,148287E+22	1,945360E+22	1,592500E+22	1,177735E+22	8,122358E+21	6,004578E+21	6,004622E+21	8,122405E+21	1,177728E+22
-2594	1,592477E+22	1,945352E+22	2,148325E+22	2,148343E+22	1,945409E+22	1,592537E+22	1,177766E+22	8,122553E+21	6,004569E+21	6,004444E+21	8,122251E+21	1,177746E+22
-2593	1,592557E+22	1,945451E+22	2,148382E+22	2,148358E+22	1,945388E+22	1,592495E+22	1,177722E+22	8,122264E+21	6,004524E+21	6,004645E+21	8,122575E+21	1,177754E+22
-2592	1,592511E+22	1,945376E+22	2,148300E+22	2,148302E+22	1,945385E+22	1,592526E+22	1,177757E+22	8,122498E+21	6,004598E+21	6,004517E+21	8,122207E+21	1,177698E+22
-2591	1,592448E+22	1,945361E+22	2,148364E+22	2,148376E+22	1,945423E+22	1,592535E+22	1,177765E+22	8,122697E+21	6,004860E+21	6,004808E+21	8,122619E+21	1,177776E+22
-2590	1,592548E+22	1,945396E+22	2,148319E+22	2,148306E+22	1,945357E+22	1,592483E+22	1,177726E+22	8,122469E+21	6,004903E+21	6,005116E+21	8,122945E+21	1,177763E+22
-2589	1,592481E+22	1,945300E+22	2,148221E+22	2,148250E+22	1,945354E+22	1,592519E+22	1,177781E+22	8,123004E+21	6,005228E+21	6,005128E+21	8,122721E+21	1,177737E+22
-2588	1,592485E+22	1,945366E+22	2,148300E+22	2,148285E+22	1,945355E+22	1,592506E+22	1,177775E+22	8,123126E+21	6,005524E+21	6,005574E+21	8,123342E+21	1,177819E+22
-2587	1,592543E+22	1,945356E+22	2,148242E+22	2,148208E+22	1,945281E+22	1,592461E+22	1,177759E+22	8,123168E+21	6,005717E+21	6,005796E+21	8,123285E+21	1,177759E+22
-2586	1,592448E+22	1,945271E+22	2,148212E+22	2,148229E+22	1,945318E+22	1,592500E+22	1,177806E+22	8,123683E+21	6,006115E+21	6,005997E+21	8,123370E+21	1,177772E+22
-2585	1,592496E+22	1,945340E+22	2,148253E+22	2,148240E+22	1,945305E+22	1,592467E+22	1,177772E+22	8,123547E+21	6,006285E+21	6,006453E+21	8,124036E+21	1,177829E+22
-2584	1,592490E+22	1,945269E+22	2,148152E+22	2,148153E+22	1,945277E+22	1,592489E+22	1,177801E+22	8,123721E+21	6,006336E+21	6,006350E+21	8,123676E+21	1,177770E+22
-2583	1,592423E+22	1,945233E+22	2,148184E+22	2,148214E+22	1,945322E+22	1,592517E+22	1,177831E+22	8,123999E+21	6,006493E+21	6,006384E+21	8,123747E+21	1,177819E+22
-2582	1,592537E+22	1,945328E+22	2,148192E+22	2,148168E+22	1,945261E+22	1,592459E+22	1,177778E+22	8,123605E+21	6,006331E+21	6,006482E+21	8,123954E+21	1,177807E+22
-2581	1,592472E+22	1,945255E+22	2,148134E+22	2,148137E+22	1,945265E+22	1,592488E+22	1,177815E+22	8,123834E+21	6,006282E+21	6,006109E+21	8,123341E+21	1,177744E+22
-2580	1,592434E+22	1,945290E+22	2,148243E+22	2,148241E+22	1,945316E+22	1,592492E+22	1,177799E+22	8,123680E+21	6,006176E+21	6,006131E+21	8,123647E+21	1,177820E+22
-2579	1,592525E+22	1,945322E+22	2,148227E+22	2,148214E+22	1,945283E+22	1,592451E+22	1,177746E+22	8,123133E+21	6,005768E+21	6,005909E+21	8,123450E+21	1,177770E+22
-2578	1,592451E+22	1,945256E+22	2,148194E+22	2,148237E+22	1,945343E+22	1,592513E+22	1,177789E+22	8,123235E+21	6,005541E+21	6,005454E+21	8,123004E+21	1,177757E+22
-2577	1,592498E+22	1,945363E+22	2,148287E+22	2,148278E+22	1,945348E+22	1,592494E+22	1,177757E+22	8,122913E+21	6,005323E+21	6,005429E+21	8,123284E+21	1,177814E+22
-2576	1,592537E+22	1,945358E+22	2,148254E+22	2,148228E+22	1,945317E+22	1,592494E+22	1,177757E+22	8,122778E+21	6,005078E+21	6,005069E+21	8,122671E+21	1,177728E+22
-2575	1,592453E+22	1,945313E+22	2,148292E+22	2,148313E+22	1,945381E+22	1,592529E+22	1,177788E+22	8,123043E+21	6,005187E+21	6,005013E+21	8,122573E+21	1,177746E+22
-2574	1,592540E+22	1,945411E+22	2,148326E+22	2,148304E+22	1,945348E+22	1,592475E+22	1,177730E+22	8,122649E+21	6,005114E+21	6,005281E+21	8,123068E+21	1,177768E+22
-2573	1,592488E+22	1,945328E+22	2,148242E+22	2,148247E+22	1,945342E+22	1,592503E+22	1,177764E+22	8,122889E+21	6,005180E+21	6,005122E+21	8,122694E+21	1,177719E+22
-2572	1,592430E+22	1,945299E+22	2,148285E+22	2,148307E+22	1,945379E+22	1,592526E+22	1,177788E+22	8,123159E+21	6,005459E+21	6,005426E+21	8,123131E+21	1,177803E+22
-2571	1,592543E+22	1,945352E+22	2,148258E+22	2,148243E+22	1,945306E+22	1,592464E+22	1,177742E+22	8,122924E+21	6,005490E+21	6,005681E+21	8,123371E+21	1,177782E+22
-2570	1,592478E+22	1,945274E+22	2,148174E+22	2,148192E+22	1,945307E+22	1,592503E+22	1,177800E+22	8,123457E+21	6,005824E+21	6,005733E+21	8,123156E+21	1,177747E+22
-2569	1,592467E+22	1,945327E+22	2,148244E+22	2,148218E+22	1,945292E+22	1,592477E+22	1,177792E+22	8,123662E+21	6,006246E+21	6,006284E+21	8,123837E+21	1,177828E+22

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												
-2568	1,592517E+22	1,945313E+22	2,148193E+22	2,148155E+22	1,945242E+22	1,592447E+22	1,177774E+22	8,123657E+21	6,006419E+21	6,006516E+21	8,123830E+21	1,177776E+22
-2567	1,592417E+22	1,945203E+22	2,148145E+22	2,148185E+22	1,945298E+22	1,592499E+22	1,177828E+22	8,124170E+21	6,006791E+21	6,006682E+21	8,123868E+21	1,177795E+22
-2566	1,592490E+22	1,945289E+22	2,148170E+22	2,148162E+22	1,945259E+22	1,592457E+22	1,177789E+22	8,123960E+21	6,006857E+21	6,007055E+21	8,124521E+21	1,177855E+22
-2565	1,592488E+22	1,945237E+22	2,148092E+22	2,148083E+22	1,945221E+22	1,592465E+22	1,177817E+22	8,124169E+21	6,006890E+21	6,006850E+21	8,124008E+21	1,177780E+22
-2564	1,592410E+22	1,945193E+22	2,148125E+22	2,148151E+22	1,945272E+22	1,592501E+22	1,177852E+22	8,124478E+21	6,007075E+21	6,006923E+21	8,124101E+21	1,177823E+22
-2563	1,592513E+22	1,945293E+22	2,148164E+22	2,148137E+22	1,945221E+22	1,592433E+22	1,177785E+22	8,123978E+21	6,006854E+21	6,006997E+21	8,124327E+21	1,177815E+22
-2562	1,592450E+22	1,945217E+22	2,148098E+22	2,148112E+22	1,945246E+22	1,592477E+22	1,177820E+22	8,124093E+21	6,006709E+21	6,006617E+21	8,123783E+21	1,177759E+22
-2561	1,592414E+22	1,945242E+22	2,148179E+22	2,148184E+22	1,945281E+22	1,592482E+22	1,177811E+22	8,123992E+21	6,006628E+21	6,006625E+21	8,124081E+21	1,177845E+22
-2560	1,592522E+22	1,945293E+22	2,148174E+22	2,148159E+22	1,945254E+22	1,592452E+22	1,177764E+22	8,123458E+21	6,006186E+21	6,006329E+21	8,123793E+21	1,177791E+22
-2559	1,592450E+22	1,945222E+22	2,148140E+22	2,148190E+22	1,945317E+22	1,592511E+22	1,177811E+22	8,123640E+21	6,006013E+21	6,005860E+21	8,123225E+21	1,177764E+22
-2558	1,592503E+22	1,945349E+22	2,148240E+22	2,148215E+22	1,945297E+22	1,592474E+22	1,177770E+22	8,123293E+21	6,005821E+21	6,005902E+21	8,123585E+21	1,177817E+22
-2557	1,592521E+22	1,945338E+22	2,148230E+22	2,148190E+22	1,945265E+22	1,592457E+22	1,177763E+22	8,123190E+21	6,005633E+21	6,005589E+21	8,123005E+21	1,177728E+22
-2556	1,592418E+22	1,945253E+22	2,148233E+22	2,148271E+22	1,945350E+22	1,592514E+22	1,177802E+22	8,123474E+21	6,005791E+21	6,005642E+21	8,123069E+21	1,177758E+22
-2555	1,592506E+22	1,945351E+22	2,148270E+22	2,148263E+22	1,945318E+22	1,592462E+22	1,177740E+22	8,123010E+21	6,005653E+21	6,005858E+21	8,123562E+21	1,177794E+22
-2554	1,592479E+22	1,945280E+22	2,148175E+22	2,148187E+22	1,945306E+22	1,592497E+22	1,177783E+22	8,123252E+21	6,005683E+21	6,005684E+21	8,123170E+21	1,177742E+22
-2553	1,592425E+22	1,945258E+22	2,148203E+22	2,148217E+22	1,945314E+22	1,592506E+22	1,177810E+22	8,123672E+21	6,006094E+21	6,006029E+21	8,123564E+21	1,177819E+22
-2552	1,592537E+22	1,945330E+22	2,148206E+22	2,148171E+22	1,945250E+22	1,592444E+22	1,177762E+22	8,123452E+21	6,006179E+21	6,006323E+21	8,123795E+21	1,177792E+22
-2551	1,592454E+22	1,945229E+22	2,148128E+22	2,148153E+22	1,945272E+22	1,592485E+22	1,177817E+22	8,123999E+21	6,006560E+21	6,006439E+21	8,123608E+21	1,177758E+22
-2550	1,592451E+22	1,945282E+22	2,148182E+22	2,148163E+22	1,945252E+22	1,592456E+22	1,177800E+22	8,124091E+21	6,006914E+21	6,007007E+21	8,124421E+21	1,177852E+22
-2549	1,592497E+22	1,945265E+22	2,148137E+22	2,148104E+22	1,945201E+22	1,592427E+22	1,177788E+22	8,124101E+21	6,007033E+21	6,007143E+21	8,124331E+21	1,177798E+22
-2548	1,592399E+22	1,945142E+22	2,148066E+22	2,148122E+22	1,945264E+22	1,592499E+22	1,177857E+22	8,124673E+21	6,007405E+21	6,007294E+21	8,124346E+21	1,177814E+22
-2547	1,592475E+22	1,945250E+22	2,148114E+22	2,148103E+22	1,945217E+22	1,592446E+22	1,177811E+22	8,124424E+21	6,007422E+21	6,007575E+21	8,124878E+21	1,177866E+22
-2546	1,592479E+22	1,945210E+22	2,148046E+22	2,148029E+22	1,945179E+22	1,592453E+22	1,177837E+22	8,124592E+21	6,007438E+21	6,007404E+21	8,124393E+21	1,177786E+22
-2545	1,592387E+22	1,945150E+22	2,148065E+22	2,148087E+22	1,945215E+22	1,592473E+22	1,177865E+22	8,124940E+21	6,007692E+21	6,007534E+21	8,124555E+21	1,177836E+22
-2544	1,592488E+22	1,945248E+22	2,148106E+22	2,148086E+22	1,945190E+22	1,592419E+22	1,177791E+22	8,124332E+21	6,007393E+21	6,007559E+21	8,124790E+21	1,177838E+22
-2543	1,592433E+22	1,945165E+22	2,148039E+22	2,148071E+22	1,945225E+22	1,592472E+22	1,177832E+22	8,124418E+21	6,007180E+21	6,007099E+21	8,124162E+21	1,177786E+22
-2542	1,592426E+22	1,945217E+22	2,148115E+22	2,148115E+22	1,945232E+22	1,592463E+22	1,177818E+22	8,124255E+21	6,007014E+21	6,007033E+21	8,124415E+21	1,177864E+22
-2541	1,592527E+22	1,945283E+22	2,148140E+22	2,148108E+22	1,945202E+22	1,592423E+22	1,177774E+22	8,123802E+21	6,006594E+21	6,006671E+21	8,123976E+21	1,177791E+22
-2540	1,592436E+22	1,945200E+22	2,148107E+22	2,148152E+22	1,945282E+22	1,592498E+22	1,177829E+22	8,124048E+21	6,006519E+21	6,006320E+21	8,123490E+21	1,177757E+22
-2539	1,592468E+22	1,945316E+22	2,148220E+22	2,148197E+22	1,945272E+22	1,592457E+22	1,177778E+22	8,123650E+21	6,006324E+21	6,006386E+21	8,123904E+21	1,177818E+22
-2538	1,592490E+22	1,945293E+22	2,148187E+22	2,148165E+22	1,945255E+22	1,592455E+22	1,177775E+22	8,123499E+21	6,006117E+21	6,006148E+21	8,123467E+21	1,177742E+22
-2537	1,592391E+22	1,945191E+22	2,148150E+22	2,148202E+22	1,945310E+22	1,592506E+22	1,177823E+22	8,123907E+21	6,006363E+21	6,006242E+21	8,123582E+21	1,177786E+22
-2536	1,592493E+22	1,945301E+22	2,148190E+22	2,148190E+22	1,945279E+22	1,592458E+22	1,177763E+22	8,123469E+21	6,006238E+21	6,006433E+21	8,124023E+21	1,177821E+22
-2535	1,592474E+22	1,945240E+22	2,148105E+22	2,148119E+22	1,945261E+22	1,592485E+22	1,177806E+22	8,123776E+21	6,006341E+21	6,006289E+21	8,123563E+21	1,177760E+22
-2534	1,592429E+22	1,945239E+22	2,148145E+22	2,148135E+22	1,945241E+22	1,592470E+22	1,177820E+22	8,124148E+21	6,006771E+21	6,006707E+21	8,124050E+21	1,177834E+22
-2533	1,592522E+22	1,945303E+22	2,148170E+22	2,148124E+22	1,945190E+22	1,592402E+22	1,177767E+22	8,123943E+21	6,006870E+21	6,007007E+21	8,124285E+21	1,177805E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2532	1,592426E+22	1,945171E+22	2,148064E+22	2,148108E+22	1,945243E+22	1,592472E+22	1,177832E+22	8,124472E+21	6,007253E+21	6,007170E+21	8,124190E+21	1,177780E+22
-2531	1,592422E+22	1,945226E+22	2,148124E+22	2,148116E+22	1,945224E+22	1,592450E+22	1,177817E+22	8,124505E+21	6,007500E+21	6,007615E+21	8,124916E+21	1,177878E+22
-2530	1,592490E+22	1,945221E+22	2,148070E+22	2,148047E+22	1,945171E+22	1,592428E+22	1,177813E+22	8,124519E+21	6,007577E+21	6,007717E+21	8,124772E+21	1,177815E+22
-2529	1,592388E+22	1,945099E+22	2,147984E+22	2,148034E+22	1,945203E+22	1,592485E+22	1,177887E+22	8,125233E+21	6,008055E+21	6,007884E+21	8,124746E+21	1,177825E+22
-2528	1,592457E+22	1,945217E+22	2,148059E+22	2,148039E+22	1,945170E+22	1,592430E+22	1,177832E+22	8,124945E+21	6,008080E+21	6,008176E+21	8,125259E+21	1,177873E+22
-2527	1,592452E+22	1,945162E+22	2,147994E+22	2,147985E+22	1,945144E+22	1,592435E+22	1,177850E+22	8,125058E+21	6,008077E+21	6,008013E+21	8,124792E+21	1,177798E+22
-2526	1,592374E+22	1,945110E+22	2,148002E+22	2,148024E+22	1,945169E+22	1,592447E+22	1,177866E+22	8,125253E+21	6,008215E+21	6,008113E+21	8,125046E+21	1,177862E+22
-2525	1,592479E+22	1,945216E+22	2,148062E+22	2,148039E+22	1,945145E+22	1,592392E+22	1,177797E+22	8,124643E+21	6,007825E+21	6,008002E+21	8,125151E+21	1,177860E+22
-2524	1,592427E+22	1,945127E+22	2,147981E+22	2,148023E+22	1,945197E+22	1,592465E+22	1,177848E+22	8,124759E+21	6,007612E+21	6,007523E+21	8,124475E+21	1,177798E+22
-2523	1,592417E+22	1,945200E+22	2,148089E+22	2,148077E+22	1,945202E+22	1,592452E+22	1,177830E+22	8,124572E+21	6,007417E+21	6,007388E+21	8,124622E+21	1,177867E+22
-2522	1,592516E+22	1,945268E+22	2,148119E+22	2,148080E+22	1,945176E+22	1,592414E+22	1,177787E+22	8,124120E+21	6,007039E+21	6,007125E+21	8,124249E+21	1,177786E+22
-2521	1,592403E+22	1,945156E+22	2,148055E+22	2,148105E+22	1,945244E+22	1,592481E+22	1,177844E+22	8,124482E+21	6,007095E+21	6,006897E+21	8,123912E+21	1,177766E+22
-2520	1,592432E+22	1,945257E+22	2,148154E+22	2,148152E+22	1,945255E+22	1,592454E+22	1,177791E+22	8,124037E+21	6,006891E+21	6,006973E+21	8,124367E+21	1,177839E+22
-2519	1,592467E+22	1,945229E+22	2,148108E+22	2,148108E+22	1,945230E+22	1,592455E+22	1,177795E+22	8,123915E+21	6,006681E+21	6,006713E+21	8,123914E+21	1,177775E+22
-2518	1,592399E+22	1,945155E+22	2,148068E+22	2,148110E+22	1,945246E+22	1,592481E+22	1,177834E+22	8,124297E+21	6,006904E+21	6,006802E+21	8,124044E+21	1,177816E+22
-2517	1,592500E+22	1,945285E+22	2,148142E+22	2,148117E+22	1,945207E+22	1,592419E+22	1,177775E+22	8,123935E+21	6,006814E+21	6,006961E+21	8,124374E+21	1,177835E+22
-2516	1,592465E+22	1,945213E+22	2,148063E+22	2,148068E+22	1,945213E+22	1,592460E+22	1,177820E+22	8,124256E+21	6,007001E+21	6,006937E+21	8,124001E+21	1,177767E+22
-2515	1,592402E+22	1,945208E+22	2,148120E+22	2,148105E+22	1,945209E+22	1,592447E+22	1,177825E+22	8,124543E+21	6,007381E+21	6,007335E+21	8,124503E+21	1,177847E+22
-2514	1,592497E+22	1,945260E+22	2,148124E+22	2,148093E+22	1,945177E+22	1,592401E+22	1,177782E+22	8,124313E+21	6,007458E+21	6,007672E+21	8,124807E+21	1,177823E+22
-2513	1,592401E+22	1,945112E+22	2,147983E+22	2,148039E+22	1,945207E+22	1,592471E+22	1,177862E+22	8,125008E+21	6,007921E+21	6,007839E+21	8,124725E+21	1,177806E+22
-2512	1,592404E+22	1,945167E+22	2,148037E+22	2,148045E+22	1,945193E+22	1,592452E+22	1,177848E+22	8,125068E+21	6,008171E+21	6,008229E+21	8,125330E+21	1,177895E+22
-2511	1,592476E+22	1,945174E+22	2,147996E+22	2,147974E+22	1,945128E+22	1,592422E+22	1,177845E+22	8,125124E+21	6,008291E+21	6,008343E+21	8,125157E+21	1,177829E+22
-2510	1,592381E+22	1,945068E+22	2,147919E+22	2,147945E+22	1,945126E+22	1,592447E+22	1,177898E+22	8,125731E+21	6,008741E+21	6,008564E+21	8,125231E+21	1,177839E+22
-2509	1,592433E+22	1,945176E+22	2,148012E+22	2,147983E+22	1,945105E+22	1,592385E+22	1,177835E+22	8,125383E+21	6,008701E+21	6,008802E+21	8,125724E+21	1,177890E+22
-2508	1,592428E+22	1,945107E+22	2,147933E+22	2,147938E+22	1,945114E+22	1,592417E+22	1,177854E+22	8,125394E+21	6,008632E+21	6,008630E+21	8,125306E+21	1,177822E+22
-2507	1,592359E+22	1,945074E+22	2,147959E+22	2,147979E+22	1,945138E+22	1,592432E+22	1,177869E+22	8,125485E+21	6,008608E+21	6,008545E+21	8,125409E+21	1,177886E+22
-2506	1,592484E+22	1,945195E+22	2,148020E+22	2,147998E+22	1,945123E+22	1,592389E+22	1,177809E+22	8,124886E+21	6,008185E+21	6,008389E+21	8,125417E+21	1,177867E+22
-2505	1,592420E+22	1,945105E+22	2,147934E+22	2,147964E+22	1,945155E+22	1,592454E+22	1,177869E+22	8,125169E+21	6,008089E+21	6,007943E+21	8,124724E+21	1,177800E+22
-2504	1,592394E+22	1,945168E+22	2,148051E+22	2,148044E+22	1,945182E+22	1,592446E+22	1,177847E+22	8,124982E+21	6,007934E+21	6,007853E+21	8,124870E+21	1,177863E+22
-2503	1,592482E+22	1,945219E+22	2,148075E+22	2,148053E+22	1,945164E+22	1,592413E+22	1,177805E+22	8,124530E+21	6,007590E+21	6,007653E+21	8,124608E+21	1,177797E+22
-2502	1,592384E+22	1,945108E+22	2,147986E+22	2,148036E+22	1,945202E+22	1,592465E+22	1,177852E+22	8,124814E+21	6,007611E+21	6,007474E+21	8,124417E+21	1,177793E+22
-2501	1,592419E+22	1,945211E+22	2,148093E+22	2,148088E+22	1,945204E+22	1,592432E+22	1,177805E+22	8,124421E+21	6,007382E+21	6,007478E+21	8,124782E+21	1,177866E+22
-2500	1,592466E+22	1,945188E+22	2,148038E+22	2,148039E+22	1,945187E+22	1,592442E+22	1,177813E+22	8,124336E+21	6,007232E+21	6,007265E+21	8,124330E+21	1,177794E+22
-2499	1,592397E+22	1,945142E+22	2,148034E+22	2,148050E+22	1,945193E+22	1,592456E+22	1,177843E+22	8,124679E+21	6,007438E+21	6,007314E+21	8,124386E+21	1,177829E+22
-2498	1,592494E+22	1,945271E+22	2,148119E+22	2,148079E+22	1,945166E+22	1,592396E+22	1,177784E+22	8,124320E+21	6,007404E+21	6,007582E+21	8,124783E+21	1,177838E+22
-2497	1,592435E+22	1,945165E+22	2,148010E+22	2,148018E+22	1,945172E+22	1,592439E+22	1,177834E+22	8,124754E+21	6,007695E+21	6,007644E+21	8,124535E+21	1,177784E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2496	1,592369E+22	1,945145E+22	2,148050E+22	2,148060E+22	1,945196E+22	1,592448E+22	1,177845E+22	8,125016E+21	6,008054E+21	6,008018E+21	8,125009E+21	1,177867E+22
-2495	1,592475E+22	1,945195E+22	2,148043E+22	2,148029E+22	1,945151E+22	1,592407E+22	1,177813E+22	8,124849E+21	6,008132E+21	6,008315E+21	8,125272E+21	1,177848E+22
-2494	1,592397E+22	1,945065E+22	2,147894E+22	2,147937E+22	1,945139E+22	1,592452E+22	1,177886E+22	8,125545E+21	6,008602E+21	6,008501E+21	8,125211E+21	1,177827E+22
-2493	1,592394E+22	1,945131E+22	2,147979E+22	2,147966E+22	1,945118E+22	1,592418E+22	1,177869E+22	8,125638E+21	6,008859E+21	6,008857E+21	8,125722E+21	1,177903E+22
-2492	1,592453E+22	1,945128E+22	2,147938E+22	2,147914E+22	1,945076E+22	1,592396E+22	1,177859E+22	8,125636E+21	6,009002E+21	6,009055E+21	8,125651E+21	1,177838E+22
-2491	1,592353E+22	1,945029E+22	2,147882E+22	2,147902E+22	1,945086E+22	1,592419E+22	1,177897E+22	8,126063E+21	6,009303E+21	6,009174E+21	8,125720E+21	1,177861E+22
-2490	1,592419E+22	1,945136E+22	2,147967E+22	2,147944E+22	1,945081E+22	1,592376E+22	1,177839E+22	8,125632E+21	6,009171E+21	6,009366E+21	8,126190E+21	1,177911E+22
-2489	1,592415E+22	1,945061E+22	2,147869E+22	2,147878E+22	1,945078E+22	1,592410E+22	1,177873E+22	8,125763E+21	6,009111E+21	6,009127E+21	8,125721E+21	1,177847E+22
-2488	1,592356E+22	1,945038E+22	2,147900E+22	2,147932E+22	1,945121E+22	1,592435E+22	1,177889E+22	8,125864E+21	6,009069E+21	6,008958E+21	8,125652E+21	1,177893E+22
-2487	1,592477E+22	1,945169E+22	2,147976E+22	2,147951E+22	1,945098E+22	1,592392E+22	1,177836E+22	8,125338E+21	6,008701E+21	6,008815E+21	8,125637E+21	1,177869E+22
-2486	1,592408E+22	1,945079E+22	2,147892E+22	2,147904E+22	1,945102E+22	1,592430E+22	1,177880E+22	8,125571E+21	6,008633E+21	6,008480E+21	8,125098E+21	1,177807E+22
-2485	1,592365E+22	1,945120E+22	2,148009E+22	2,148002E+22	1,945137E+22	1,592419E+22	1,177856E+22	8,125368E+21	6,008455E+21	6,008383E+21	8,125259E+21	1,177874E+22
-2484	1,592454E+22	1,945158E+22	2,148009E+22	2,148004E+22	1,945139E+22	1,592406E+22	1,177816E+22	8,124869E+21	6,008103E+21	6,008227E+21	8,125097E+21	1,177821E+22
-2483	1,592374E+22	1,945073E+22	2,147936E+22	2,147975E+22	1,945158E+22	1,592448E+22	1,177858E+22	8,125075E+21	6,008019E+21	6,007925E+21	8,124807E+21	1,177821E+22
-2482	1,592429E+22	1,945191E+22	2,148047E+22	2,148029E+22	1,945161E+22	1,592418E+22	1,177816E+22	8,124721E+21	6,007828E+21	6,007948E+21	8,125102E+21	1,177877E+22
-2481	1,592463E+22	1,945168E+22	2,147994E+22	2,147974E+22	1,945131E+22	1,592420E+22	1,177829E+22	8,124795E+21	6,007815E+21	6,007816E+21	8,124698E+21	1,177802E+22
-2480	1,592378E+22	1,945107E+22	2,147995E+22	2,148017E+22	1,945167E+22	1,592440E+22	1,177854E+22	8,125119E+21	6,008059E+21	6,007905E+21	8,124740E+21	1,177829E+22
-2479	1,592463E+22	1,945219E+22	2,148071E+22	2,148047E+22	1,945153E+22	1,592396E+22	1,177805E+22	8,124803E+21	6,008063E+21	6,008223E+21	8,125245E+21	1,177855E+22
-2478	1,592414E+22	1,945111E+22	2,147940E+22	2,147947E+22	1,945127E+22	1,592426E+22	1,177851E+22	8,125209E+21	6,008349E+21	6,008346E+21	8,125116E+21	1,177812E+22
-2477	1,592350E+22	1,945082E+22	2,147975E+22	2,147988E+22	1,945142E+22	1,592434E+22	1,177872E+22	8,125551E+21	6,008700E+21	6,008655E+21	8,125483E+21	1,177888E+22
-2476	1,592462E+22	1,945140E+22	2,147960E+22	2,147952E+22	1,945106E+22	1,592400E+22	1,177842E+22	8,125414E+21	6,008843E+21	6,009011E+21	8,125770E+21	1,177864E+22
-2475	1,592385E+22	1,945039E+22	2,147845E+22	2,147857E+22	1,945072E+22	1,592424E+22	1,177900E+22	8,126025E+21	6,009261E+21	6,009147E+21	8,125660E+21	1,177842E+22
-2474	1,592382E+22	1,945097E+22	2,147935E+22	2,147910E+22	1,945066E+22	1,592389E+22	1,177875E+22	8,126055E+21	6,009520E+21	6,009561E+21	8,126211E+21	1,177912E+22
-2473	1,592426E+22	1,945072E+22	2,147873E+22	2,147854E+22	1,945028E+22	1,592370E+22	1,177867E+22	8,126083E+21	6,009664E+21	6,009757E+21	8,126229E+21	1,177864E+22
-2472	1,592333E+22	1,944969E+22	2,147811E+22	2,147856E+22	1,945067E+22	1,592411E+22	1,177906E+22	8,126414E+21	6,009845E+21	6,009747E+21	8,126174E+21	1,177885E+22
-2471	1,592413E+22	1,945092E+22	2,147904E+22	2,147890E+22	1,945057E+22	1,592380E+22	1,177864E+22	8,126038E+21	6,009666E+21	6,009830E+21	8,126546E+21	1,177935E+22
-2470	1,592422E+22	1,945038E+22	2,147812E+22	2,147802E+22	1,945021E+22	1,592392E+22	1,177890E+22	8,126162E+21	6,009606E+21	6,009592E+21	8,126044E+21	1,177858E+22
-2469	1,592348E+22	1,945017E+22	2,147870E+22	2,147881E+22	1,945066E+22	1,592413E+22	1,177909E+22	8,126306E+21	6,009574E+21	6,009401E+21	8,125877E+21	1,177886E+22
-2468	1,592451E+22	1,945130E+22	2,147938E+22	2,147918E+22	1,945071E+22	1,592381E+22	1,177851E+22	8,125747E+21	6,009254E+21	6,009363E+21	8,125987E+21	1,177866E+22
-2467	1,592376E+22	1,945045E+22	2,147861E+22	2,147869E+22	1,945073E+22	1,592414E+22	1,177883E+22	8,125847E+21	6,009083E+21	6,008974E+21	8,125503E+21	1,177824E+22
-2466	1,592350E+22	1,945075E+22	2,147960E+22	2,147963E+22	1,945115E+22	1,592413E+22	1,177863E+22	8,125613E+21	6,008884E+21	6,008886E+21	8,125670E+21	1,177891E+22
-2465	1,592441E+22	1,945106E+22	2,147938E+22	2,147938E+22	1,945097E+22	1,592395E+22	1,177835E+22	8,125258E+21	6,008585E+21	6,008720E+21	8,125520E+21	1,177846E+22
-2464	1,592375E+22	1,945037E+22	2,147876E+22	2,147923E+22	1,945129E+22	1,592439E+22	1,177874E+22	8,125463E+21	6,008517E+21	6,008387E+21	8,125106E+21	1,177831E+22
-2463	1,592426E+22	1,945170E+22	2,148007E+22	2,147976E+22	1,945119E+22	1,592407E+22	1,177837E+22	8,125187E+21	6,008405E+21	6,008463E+21	8,125427E+21	1,177884E+22
-2462	1,592448E+22	1,945137E+22	2,147951E+22	2,147914E+22	1,945072E+22	1,592386E+22	1,177836E+22	8,125226E+21	6,008449E+21	6,008470E+21	8,125187E+21	1,177816E+22
-2461	1,592351E+22	1,945055E+22	2,147947E+22	2,147973E+22	1,945124E+22	1,592417E+22	1,177866E+22	8,125557E+21	6,008683E+21	6,008558E+21	8,125231E+21	1,177844E+22

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												
-2460	1,592436E+22	1,945153E+22	2,147993E+22	2,147990E+22	1,945127E+22	1,592396E+22	1,177825E+22	8,125254E+21	6,008708E+21	6,008913E+21	8,125795E+21	1,177877E+22
-2459	1,592401E+22	1,945068E+22	2,147875E+22	2,147874E+22	1,945078E+22	1,592413E+22	1,177869E+22	8,125630E+21	6,008923E+21	6,008941E+21	8,125596E+21	1,177840E+22
-2458	1,592353E+22	1,945045E+22	2,147911E+22	2,147916E+22	1,945090E+22	1,592419E+22	1,177891E+22	8,126014E+21	6,009330E+21	6,009281E+21	8,125895E+21	1,177896E+22
-2457	1,592443E+22	1,945097E+22	2,147898E+22	2,147875E+22	1,945041E+22	1,592375E+22	1,177865E+22	8,125990E+21	6,009566E+21	6,009702E+21	8,126260E+21	1,177878E+22
-2456	1,592362E+22	1,944989E+22	2,147789E+22	2,147813E+22	1,945037E+22	1,592402E+22	1,177911E+22	8,126505E+21	6,009949E+21	6,009829E+21	8,126125E+21	1,177853E+22
-2455	1,592358E+22	1,945046E+22	2,147876E+22	2,147862E+22	1,945038E+22	1,592383E+22	1,177894E+22	8,126518E+21	6,010161E+21	6,010205E+21	8,126726E+21	1,177937E+22
-2454	1,592414E+22	1,945025E+22	2,147805E+22	2,147782E+22	1,944978E+22	1,592352E+22	1,177880E+22	8,126481E+21	6,010247E+21	6,010383E+21	8,126772E+21	1,177896E+22
-2453	1,592330E+22	1,944927E+22	2,147752E+22	2,147796E+22	1,945019E+22	1,592398E+22	1,177928E+22	8,126843E+21	6,010361E+21	6,010244E+21	8,126529E+21	1,177900E+22
-2452	1,592409E+22	1,945058E+22	2,147846E+22	2,147834E+22	1,945024E+22	1,592378E+22	1,177890E+22	8,126504E+21	6,010225E+21	6,010349E+21	8,126876E+21	1,177938E+22
-2451	1,592409E+22	1,945027E+22	2,147789E+22	2,147753E+22	1,944971E+22	1,592371E+22	1,177902E+22	8,126538E+21	6,010104E+21	6,010068E+21	8,126354E+21	1,177862E+22
-2450	1,592328E+22	1,944982E+22	2,147839E+22	2,147852E+22	1,945034E+22	1,592393E+22	1,177914E+22	8,126635E+21	6,010095E+21	6,009947E+21	8,126235E+21	1,177883E+22
-2449	1,592412E+22	1,945071E+22	2,147879E+22	2,147873E+22	1,945042E+22	1,592368E+22	1,177862E+22	8,126115E+21	6,009784E+21	6,009930E+21	8,126473E+21	1,177888E+22
-2448	1,592356E+22	1,944982E+22	2,147788E+22	2,147823E+22	1,945054E+22	1,592408E+22	1,177893E+22	8,126141E+21	6,009527E+21	6,009445E+21	8,125884E+21	1,177845E+22
-2447	1,592348E+22	1,945034E+22	2,147891E+22	2,147901E+22	1,945081E+22	1,592412E+22	1,177886E+22	8,125989E+21	6,009329E+21	6,009300E+21	8,126011E+21	1,177914E+22
-2446	1,592449E+22	1,945086E+22	2,147883E+22	2,147859E+22	1,945030E+22	1,592366E+22	1,177846E+22	8,125639E+21	6,009087E+21	6,009201E+21	8,125881E+21	1,177862E+22
-2445	1,592371E+22	1,945016E+22	2,147844E+22	2,147871E+22	1,945068E+22	1,592409E+22	1,177886E+22	8,125867E+21	6,009042E+21	6,008885E+21	8,125412E+21	1,177832E+22
-2444	1,592404E+22	1,945132E+22	2,147968E+22	2,147945E+22	1,945092E+22	1,592393E+22	1,177849E+22	8,125596E+21	6,009001E+21	6,009081E+21	8,125868E+21	1,177889E+22
-2443	1,592423E+22	1,945105E+22	2,147916E+22	2,147875E+22	1,945040E+22	1,592371E+22	1,177842E+22	8,125544E+21	6,008970E+21	6,009051E+21	8,125674E+21	1,177838E+22
-2442	1,592338E+22	1,945006E+22	2,147889E+22	2,147925E+22	1,945097E+22	1,592414E+22	1,177882E+22	8,125928E+21	6,009246E+21	6,009169E+21	8,125693E+21	1,177858E+22
-2441	1,592416E+22	1,945094E+22	2,147912E+22	2,147917E+22	1,945084E+22	1,592391E+22	1,177856E+22	8,125801E+21	6,009360E+21	6,009542E+21	8,126281E+21	1,177900E+22
-2440	1,592392E+22	1,945018E+22	2,147798E+22	2,147808E+22	1,945038E+22	1,592403E+22	1,177896E+22	8,126191E+21	6,009610E+21	6,009567E+21	8,125994E+21	1,177850E+22
-2439	1,592340E+22	1,945008E+22	2,147851E+22	2,147848E+22	1,945036E+22	1,592404E+22	1,177921E+22	8,126626E+21	6,010069E+21	6,009960E+21	8,126373E+21	1,177909E+22
-2438	1,592420E+22	1,945049E+22	2,147835E+22	2,147801E+22	1,944970E+22	1,592335E+22	1,177874E+22	8,126514E+21	6,010321E+21	6,010479E+21	8,126879E+21	1,177902E+22
-2437	1,592339E+22	1,944933E+22	2,147726E+22	2,147753E+22	1,944983E+22	1,592375E+22	1,177922E+22	8,126945E+21	6,010605E+21	6,010528E+21	8,126684E+21	1,177878E+22
-2436	1,592342E+22	1,944991E+22	2,147802E+22	2,147802E+22	1,945003E+22	1,592375E+22	1,177911E+22	8,126942E+21	6,010775E+21	6,010861E+21	8,127251E+21	1,177960E+22
-2435	1,592411E+22	1,945002E+22	2,147756E+22	2,147720E+22	1,944930E+22	1,592335E+22	1,177893E+22	8,126844E+21	6,010744E+21	6,010886E+21	8,127161E+21	1,177918E+22
-2434	1,592336E+22	1,944910E+22	2,147713E+22	2,147747E+22	1,944980E+22	1,592384E+22	1,177942E+22	8,127234E+21	6,010898E+21	6,010745E+21	8,126806E+21	1,177896E+22
-2433	1,592382E+22	1,945021E+22	2,147801E+22	2,147785E+22	1,944983E+22	1,592363E+22	1,177911E+22	8,126986E+21	6,010813E+21	6,010885E+21	8,127216E+21	1,177939E+22
-2432	1,592377E+22	1,944972E+22	2,147742E+22	2,147734E+22	1,944959E+22	1,592362E+22	1,177914E+22	8,126923E+21	6,010638E+21	6,010590E+21	8,126702E+21	1,177866E+22
-2431	1,592301E+22	1,944929E+22	2,147777E+22	2,147810E+22	1,945015E+22	1,592395E+22	1,177933E+22	8,127005E+21	6,010577E+21	6,010440E+21	8,126669E+21	1,177904E+22
-2430	1,592392E+22	1,945016E+22	2,147804E+22	2,147801E+22	1,944991E+22	1,592349E+22	1,177873E+22	8,126444E+21	6,010249E+21	6,010434E+21	8,126942E+21	1,177920E+22
-2429	1,592357E+22	1,944946E+22	2,147727E+22	2,147757E+22	1,945001E+22	1,592390E+22	1,177908E+22	8,126484E+21	6,009960E+21	6,009874E+21	8,126211E+21	1,177863E+22
-2428	1,592352E+22	1,945015E+22	2,147839E+22	2,147839E+22	1,945036E+22	1,592397E+22	1,177901E+22	8,126383E+21	6,009840E+21	6,009788E+21	8,126330E+21	1,177919E+22
-2427	1,592444E+22	1,945088E+22	2,147865E+22	2,147814E+22	1,944975E+22	1,592334E+22	1,177849E+22	8,125963E+21	6,009569E+21	6,009684E+21	8,126221E+21	1,177873E+22
-2426	1,592358E+22	1,944991E+22	2,147818E+22	2,147849E+22	1,945039E+22	1,592384E+22	1,177885E+22	8,126183E+21	6,009582E+21	6,009451E+21	8,125796E+21	1,177834E+22
-2425	1,592367E+22	1,945073E+22	2,147907E+22	2,147903E+22	1,945069E+22	1,592386E+22	1,177865E+22	8,126010E+21	6,009578E+21	6,009683E+21	8,126364E+21	1,177910E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2424	1,592401E+22	1,945040E+22	2,147842E+22	2,147834E+22	1,945024E+22	1,592372E+22	1,177864E+22	8,125964E+21	6,009528E+21	6,009609E+21	8,126095E+21	1,177858E+22
-2423	1,592330E+22	1,944961E+22	2,147810E+22	2,147853E+22	1,945059E+22	1,592417E+22	1,177918E+22	8,126481E+21	6,009863E+21	6,009734E+21	8,126123E+21	1,177877E+22
-2422	1,592403E+22	1,945054E+22	2,147839E+22	2,147826E+22	1,945010E+22	1,592363E+22	1,177878E+22	8,126379E+21	6,010082E+21	6,010220E+21	8,126765E+21	1,177918E+22
-2421	1,592377E+22	1,944979E+22	2,147744E+22	2,147739E+22	1,944968E+22	1,592371E+22	1,177914E+22	8,126742E+21	6,010346E+21	6,010278E+21	8,126468E+21	1,177859E+22
-2420	1,592314E+22	1,944959E+22	2,147788E+22	2,147794E+22	1,944994E+22	1,592382E+22	1,177933E+22	8,127138E+21	6,010819E+21	6,010740E+21	8,126961E+21	1,177926E+22
-2419	1,592399E+22	1,945014E+22	2,147783E+22	2,147744E+22	1,944924E+22	1,592311E+22	1,177878E+22	8,126884E+21	6,010923E+21	6,011150E+21	8,127466E+21	1,177937E+22
-2418	1,592334E+22	1,944889E+22	2,147667E+22	2,147703E+22	1,944948E+22	1,592361E+22	1,177931E+22	8,127313E+21	6,011178E+21	6,011134E+21	8,127146E+21	1,177897E+22
-2417	1,592330E+22	1,944945E+22	2,147734E+22	2,147740E+22	1,944967E+22	1,592370E+22	1,177937E+22	8,127434E+21	6,011369E+21	6,011424E+21	8,127672E+21	1,177980E+22
-2416	1,592404E+22	1,944964E+22	2,147700E+22	2,147673E+22	1,944900E+22	1,592328E+22	1,177916E+22	8,127316E+21	6,011324E+21	6,011400E+21	8,127445E+21	1,177918E+22
-2415	1,592316E+22	1,944877E+22	2,147665E+22	2,147699E+22	1,944944E+22	1,592378E+22	1,177969E+22	8,127746E+21	6,011497E+21	6,011293E+21	8,127181E+21	1,177899E+22
-2414	1,592344E+22	1,944967E+22	2,147742E+22	2,147729E+22	1,944934E+22	1,592335E+22	1,177919E+22	8,127410E+21	6,011421E+21	6,011505E+21	8,127707E+21	1,177958E+22
-2413	1,592350E+22	1,944912E+22	2,147671E+22	2,147673E+22	1,944916E+22	1,592345E+22	1,177925E+22	8,127259E+21	6,011142E+21	6,011131E+21	8,127148E+21	1,177890E+22
-2412	1,592290E+22	1,944880E+22	2,147700E+22	2,147743E+22	1,944979E+22	1,592387E+22	1,177948E+22	8,127340E+21	6,011046E+21	6,010942E+21	8,127088E+21	1,177928E+22
-2411	1,592399E+22	1,945007E+22	2,147757E+22	2,147733E+22	1,944933E+22	1,592323E+22	1,177878E+22	8,126714E+21	6,010628E+21	6,010818E+21	8,127256E+21	1,177943E+22
-2410	1,592369E+22	1,944945E+22	2,147701E+22	2,147712E+22	1,944955E+22	1,592362E+22	1,177909E+22	8,126775E+21	6,010406E+21	6,010289E+21	8,126431E+21	1,177860E+22
-2409	1,592332E+22	1,944993E+22	2,147813E+22	2,147806E+22	1,945001E+22	1,592377E+22	1,177911E+22	8,126769E+21	6,010361E+21	6,010284E+21	8,126652E+21	1,177923E+22
-2408	1,592416E+22	1,945042E+22	2,147830E+22	2,147806E+22	1,944971E+22	1,592326E+22	1,177858E+22	8,126312E+21	6,010081E+21	6,010188E+21	8,126551E+21	1,177877E+22
-2407	1,592332E+22	1,944944E+22	2,147763E+22	2,147814E+22	1,945030E+22	1,592394E+22	1,177911E+22	8,126614E+21	6,010116E+21	6,009991E+21	8,126252E+21	1,177853E+22
-2406	1,592337E+22	1,945011E+22	2,147829E+22	2,147834E+22	1,945025E+22	1,592376E+22	1,177889E+22	8,126500E+21	6,010192E+21	6,010290E+21	8,126852E+21	1,177937E+22
-2405	1,592391E+22	1,944989E+22	2,147763E+22	2,147754E+22	1,944971E+22	1,592363E+22	1,177894E+22	8,126500E+21	6,010177E+21	6,010226E+21	8,126531E+21	1,177875E+22
-2404	1,592321E+22	1,944925E+22	2,147737E+22	2,147771E+22	1,945001E+22	1,592401E+22	1,177944E+22	8,127067E+21	6,010610E+21	6,010452E+21	8,126609E+21	1,177888E+22
-2403	1,592386E+22	1,945031E+22	2,147793E+22	2,147757E+22	1,944939E+22	1,592323E+22	1,177885E+22	8,126853E+21	6,010781E+21	6,010940E+21	8,127317E+21	1,177942E+22
-2402	1,592362E+22	1,944940E+22	2,147695E+22	2,147692E+22	1,944922E+22	1,592334E+22	1,177909E+22	8,127149E+21	6,011050E+21	6,011027E+21	8,127031E+21	1,177877E+22
-2401	1,592287E+22	1,944898E+22	2,147713E+22	2,147732E+22	1,944956E+22	1,592365E+22	1,177944E+22	8,127567E+21	6,011470E+21	6,011435E+21	8,127548E+21	1,177959E+22
-2400	1,592387E+22	1,944956E+22	2,147711E+22	2,147697E+22	1,944899E+22	1,592306E+22	1,177897E+22	8,127304E+21	6,011493E+21	6,011715E+21	8,127881E+21	1,177959E+22
-2399	1,592335E+22	1,944861E+22	2,147605E+22	2,147640E+22	1,944912E+22	1,592362E+22	1,177963E+22	8,127830E+21	6,011751E+21	6,011655E+21	8,127525E+21	1,177910E+22
-2398	1,592310E+22	1,944907E+22	2,147675E+22	2,147667E+22	1,944906E+22	1,592348E+22	1,177959E+22	8,127971E+21	6,012022E+21	6,012012E+21	8,128040E+21	1,177987E+22
-2397	1,592380E+22	1,944922E+22	2,147651E+22	2,147620E+22	1,944855E+22	1,592311E+22	1,177936E+22	8,127791E+21	6,011952E+21	6,012003E+21	8,127825E+21	1,177920E+22
-2396	1,592285E+22	1,944827E+22	2,147602E+22	2,147647E+22	1,944915E+22	1,592367E+22	1,177984E+22	8,128172E+21	6,012106E+21	6,011928E+21	8,127652E+21	1,177911E+22
-2395	1,592321E+22	1,944928E+22	2,147685E+22	2,147669E+22	1,944891E+22	1,592316E+22	1,177923E+22	8,127689E+21	6,011876E+21	6,012018E+21	8,128169E+21	1,177990E+22
-2394	1,592351E+22	1,944877E+22	2,147617E+22	2,147621E+22	1,944878E+22	1,592324E+22	1,177926E+22	8,127535E+21	6,011583E+21	6,011583E+21	8,127486E+21	1,177907E+22
-2393	1,592286E+22	1,944849E+22	2,147644E+22	2,147683E+22	1,944938E+22	1,592372E+22	1,177962E+22	8,127704E+21	6,011500E+21	6,011369E+21	8,127402E+21	1,177945E+22
-2392	1,592397E+22	1,944985E+22	2,147726E+22	2,147701E+22	1,944904E+22	1,592309E+22	1,177891E+22	8,127073E+21	6,011089E+21	6,011227E+21	8,127472E+21	1,177942E+22
-2391	1,592355E+22	1,944929E+22	2,147679E+22	2,147684E+22	1,944928E+22	1,592352E+22	1,177926E+22	8,127178E+21	6,010905E+21	6,010773E+21	8,126779E+21	1,177863E+22
-2390	1,592294E+22	1,944942E+22	2,147765E+22	2,147766E+22	1,944969E+22	1,592357E+22	1,177919E+22	8,127153E+21	6,010931E+21	6,010871E+21	8,127103E+21	1,177940E+22
-2389	1,592390E+22	1,944983E+22	2,147762E+22	2,147751E+22	1,944944E+22	1,592325E+22	1,177876E+22	8,126682E+21	6,010622E+21	6,010761E+21	8,126993E+21	1,177896E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2388	1,592317E+22	1,944892E+22	2,147681E+22	2,147741E+22	1,944996E+22	1,592395E+22	1,177938E+22	8,127084E+21	6,010720E+21	6,010602E+21	8,126715E+21	1,177874E+22
-2387	1,592334E+22	1,944984E+22	2,147765E+22	2,147752E+22	1,944963E+22	1,592353E+22	1,177905E+22	8,126945E+21	6,010776E+21	6,010862E+21	8,127281E+21	1,177961E+22
-2386	1,592390E+22	1,944965E+22	2,147714E+22	2,147689E+22	1,944911E+22	1,592329E+22	1,177900E+22	8,126969E+21	6,010850E+21	6,010864E+21	8,126931E+21	1,177881E+22
-2385	1,592295E+22	1,944882E+22	2,147685E+22	2,147714E+22	1,944950E+22	1,592372E+22	1,177955E+22	8,127564E+21	6,011311E+21	6,011161E+21	8,127140E+21	1,177908E+22
-2384	1,592362E+22	1,944975E+22	2,147738E+22	2,147720E+22	1,944911E+22	1,592305E+22	1,177893E+22	8,127264E+21	6,011416E+21	6,011601E+21	8,127809E+21	1,177961E+22
-2383	1,592345E+22	1,944894E+22	2,147633E+22	2,147638E+22	1,944894E+22	1,592333E+22	1,177932E+22	8,127595E+21	6,011644E+21	6,011661E+21	8,127578E+21	1,177905E+22
-2382	1,592268E+22	1,944842E+22	2,147637E+22	2,147659E+22	1,944908E+22	1,592351E+22	1,177965E+22	8,128062E+21	6,012116E+21	6,012071E+21	8,128034E+21	1,177986E+22
-2381	1,592384E+22	1,944915E+22	2,147637E+22	2,147619E+22	1,944853E+22	1,592301E+22	1,177927E+22	8,127839E+21	6,012150E+21	6,012319E+21	8,128256E+21	1,177968E+22
-2380	1,592321E+22	1,944829E+22	2,147546E+22	2,147569E+22	1,944865E+22	1,592353E+22	1,177993E+22	8,128421E+21	6,012477E+21	6,012329E+21	8,127936E+21	1,177912E+22
-2379	1,592283E+22	1,944873E+22	2,147632E+22	2,147610E+22	1,944848E+22	1,592315E+22	1,177969E+22	8,128426E+21	6,012666E+21	6,012660E+21	8,128507E+21	1,178001E+22
-2378	1,592355E+22	1,944872E+22	2,147598E+22	2,147575E+22	1,944817E+22	1,592283E+22	1,177934E+22	8,128155E+21	6,012558E+21	6,012634E+21	8,128295E+21	1,177934E+22
-2377	1,592256E+22	1,944766E+22	2,147529E+22	2,147583E+22	1,944879E+22	1,592355E+22	1,177994E+22	8,128515E+21	6,012621E+21	6,012490E+21	8,128144E+21	1,177942E+22
-2376	1,592315E+22	1,944877E+22	2,147622E+22	2,147618E+22	1,944861E+22	1,592307E+22	1,177936E+22	8,128000E+21	6,012296E+21	6,012433E+21	8,128469E+21	1,178008E+22
-2375	1,592359E+22	1,944864E+22	2,147575E+22	2,147567E+22	1,944841E+22	1,592317E+22	1,177946E+22	8,127906E+21	6,012005E+21	6,011981E+21	8,127782E+21	1,177917E+22
-2374	1,592273E+22	1,944826E+22	2,147610E+22	2,147631E+22	1,944887E+22	1,592345E+22	1,177971E+22	8,128090E+21	6,012017E+21	6,011844E+21	8,127694E+21	1,177951E+22
-2373	1,592380E+22	1,944953E+22	2,147693E+22	2,147666E+22	1,944877E+22	1,592299E+22	1,177904E+22	8,127437E+21	6,011609E+21	6,011742E+21	8,127796E+21	1,177943E+22
-2372	1,592328E+22	1,944886E+22	2,147633E+22	2,147648E+22	1,944914E+22	1,592352E+22	1,177943E+22	8,127558E+21	6,011450E+21	6,011351E+21	8,127213E+21	1,177875E+22
-2371	1,592271E+22	1,944897E+22	2,147708E+22	2,147711E+22	1,944934E+22	1,592348E+22	1,177931E+22	8,127472E+21	6,011403E+21	6,011392E+21	8,127546E+21	1,177967E+22
-2370	1,592385E+22	1,944942E+22	2,147702E+22	2,147694E+22	1,944908E+22	1,592311E+22	1,177887E+22	8,127068E+21	6,011159E+21	6,011288E+21	8,127372E+21	1,177913E+22
-2369	1,592309E+22	1,944853E+22	2,147611E+22	2,147660E+22	1,944943E+22	1,592381E+22	1,177960E+22	8,127568E+21	6,011324E+21	6,011179E+21	8,127130E+21	1,177892E+22
-2368	1,592323E+22	1,944944E+22	2,147715E+22	2,147697E+22	1,944914E+22	1,592332E+22	1,177922E+22	8,127426E+21	6,011408E+21	6,011453E+21	8,127643E+21	1,177968E+22
-2367	1,592374E+22	1,944934E+22	2,147674E+22	2,147641E+22	1,944866E+22	1,592306E+22	1,177914E+22	8,127454E+21	6,011505E+21	6,011547E+21	8,127471E+21	1,177897E+22
-2366	1,592261E+22	1,944819E+22	2,147618E+22	2,147652E+22	1,944900E+22	1,592342E+22	1,177960E+22	8,128004E+21	6,012000E+21	6,011890E+21	8,127729E+21	1,177937E+22
-2365	1,592347E+22	1,944916E+22	2,147661E+22	2,147648E+22	1,944873E+22	1,592301E+22	1,177912E+22	8,127696E+21	6,012049E+21	6,012273E+21	8,128331E+21	1,177986E+22
-2364	1,592338E+22	1,944851E+22	2,147559E+22	2,147562E+22	1,944851E+22	1,592329E+22	1,177960E+22	8,128121E+21	6,012312E+21	6,012320E+21	8,128041E+21	1,177923E+22
-2363	1,592265E+22	1,944818E+22	2,147580E+22	2,147582E+22	1,944848E+22	1,592330E+22	1,177984E+22	8,128556E+21	6,012753E+21	6,012677E+21	8,128432E+21	1,177999E+22
-2362	1,592374E+22	1,944888E+22	2,147596E+22	2,147565E+22	1,944803E+22	1,592273E+22	1,177937E+22	8,128349E+21	6,012852E+21	6,012961E+21	8,128626E+21	1,177965E+22
-2361	1,592285E+22	1,944776E+22	2,147491E+22	2,147518E+22	1,944826E+22	1,592335E+22	1,178009E+22	8,128917E+21	6,013158E+21	6,013013E+21	8,128440E+21	1,177927E+22
-2360	1,592250E+22	1,944803E+22	2,147573E+22	2,147573E+22	1,944826E+22	1,592306E+22	1,177981E+22	8,128815E+21	6,013232E+21	6,013249E+21	8,128954E+21	1,178018E+22
-2359	1,592338E+22	1,944822E+22	2,147536E+22	2,147522E+22	1,944788E+22	1,592281E+22	1,177954E+22	8,128531E+21	6,013040E+21	6,013171E+21	8,128796E+21	1,177962E+22
-2358	1,592244E+22	1,944715E+22	2,147458E+22	2,147513E+22	1,944828E+22	1,592336E+22	1,178008E+22	8,128895E+21	6,013125E+21	6,012993E+21	8,128550E+21	1,177969E+22
-2357	1,592324E+22	1,944853E+22	2,147564E+22	2,147546E+22	1,944816E+22	1,592300E+22	1,177955E+22	8,128383E+21	6,012792E+21	6,012901E+21	8,128760E+21	1,178015E+22
-2356	1,592354E+22	1,944849E+22	2,147544E+22	2,147517E+22	1,944800E+22	1,592304E+22	1,177964E+22	8,128333E+21	6,012559E+21	6,012510E+21	8,128105E+21	1,177919E+22
-2355	1,592258E+22	1,944805E+22	2,147584E+22	2,147596E+22	1,944846E+22	1,592317E+22	1,177972E+22	8,128399E+21	6,012509E+21	6,012364E+21	8,128080E+21	1,177963E+22
-2354	1,592361E+22	1,944910E+22	2,147649E+22	2,147634E+22	1,944854E+22	1,592279E+22	1,177902E+22	8,127727E+21	6,012102E+21	6,012250E+21	8,128167E+21	1,177953E+22
-2353	1,592303E+22	1,944829E+22	2,147567E+22	2,147591E+22	1,944887E+22	1,592352E+22	1,177961E+22	8,127906E+21	6,011925E+21	6,011860E+21	8,127650E+21	1,177901E+22

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	1,592263E+22	1,944843E+22	2,147646E+22	2,147658E+22	1,944899E+22	1,592342E+22	1,177952E+22	8,127856E+21	6,011869E+21	6,011832E+21	8,127839E+21	1,177977E+22
-2351	1,592382E+22	1,944918E+22	2,147652E+22	2,147629E+22	1,944860E+22	1,592301E+22	1,177913E+22	8,127532E+21	6,011693E+21	6,011805E+21	8,127752E+21	1,177921E+22
-2350	1,592286E+22	1,944813E+22	2,147562E+22	2,147595E+22	1,944879E+22	1,592347E+22	1,177970E+22	8,128051E+21	6,011990E+21	6,011824E+21	8,127566E+21	1,177904E+22
-2349	1,592306E+22	1,944899E+22	2,147658E+22	2,147636E+22	1,944871E+22	1,592315E+22	1,177934E+22	8,127876E+21	6,012080E+21	6,012143E+21	8,128127E+21	1,177978E+22
-2348	1,592351E+22	1,944885E+22	2,147613E+22	2,147585E+22	1,944833E+22	1,592297E+22	1,177931E+22	8,127920E+21	6,012189E+21	6,012271E+21	8,128033E+21	1,177921E+22
-2347	1,592249E+22	1,944774E+22	2,147555E+22	2,147587E+22	1,944852E+22	1,592323E+22	1,177972E+22	8,128409E+21	6,012601E+21	6,012536E+21	8,128261E+21	1,177968E+22
-2346	1,592346E+22	1,944874E+22	2,147597E+22	2,147586E+22	1,944831E+22	1,592282E+22	1,177928E+22	8,128188E+21	6,012703E+21	6,012889E+21	8,128752E+21	1,177999E+22
-2345	1,592325E+22	1,944810E+22	2,147496E+22	2,147489E+22	1,944803E+22	1,592322E+22	1,177989E+22	8,128692E+21	6,013015E+21	6,012988E+21	8,128505E+21	1,177937E+22
-2344	1,592242E+22	1,944767E+22	2,147533E+22	2,147535E+22	1,944804E+22	1,592315E+22	1,178008E+22	8,129101E+21	6,013447E+21	6,013332E+21	8,128833E+21	1,177999E+22
-2343	1,592344E+22	1,944841E+22	2,147548E+22	2,147520E+22	1,944768E+22	1,592260E+22	1,177957E+22	8,128850E+21	6,013518E+21	6,013669E+21	8,129199E+21	1,177981E+22
-2342	1,592247E+22	1,944701E+22	2,147411E+22	2,147449E+22	1,944778E+22	1,592313E+22	1,178017E+22	8,129346E+21	6,013808E+21	6,013705E+21	8,129019E+21	1,177959E+22
-2341	1,592242E+22	1,944743E+22	2,147483E+22	2,147491E+22	1,944784E+22	1,592304E+22	1,178000E+22	8,129200E+21	6,013780E+21	6,013828E+21	8,129418E+21	1,178044E+22
-2340	1,592342E+22	1,944790E+22	2,147470E+22	2,147448E+22	1,944740E+22	1,592271E+22	1,177976E+22	8,128964E+21	6,013573E+21	6,013689E+21	8,129175E+21	1,177982E+22
-2339	1,592253E+22	1,944704E+22	2,147418E+22	2,147449E+22	1,944767E+22	1,592306E+22	1,178014E+22	8,129232E+21	6,013589E+21	6,013439E+21	8,128852E+21	1,177980E+22
-2338	1,592322E+22	1,944842E+22	2,147546E+22	2,147515E+22	1,944775E+22	1,592268E+22	1,177956E+22	8,128729E+21	6,013295E+21	6,013362E+21	8,129022E+21	1,178010E+22
-2337	1,592326E+22	1,944814E+22	2,147513E+22	2,147489E+22	1,944777E+22	1,592292E+22	1,177973E+22	8,128657E+21	6,013037E+21	6,013010E+21	8,128477E+21	1,177927E+22
-2336	1,592228E+22	1,944748E+22	2,147543E+22	2,147574E+22	1,944835E+22	1,592318E+22	1,177985E+22	8,128690E+21	6,012924E+21	6,012795E+21	8,128389E+21	1,177969E+22
-2335	1,592342E+22	1,944867E+22	2,147599E+22	2,147595E+22	1,944836E+22	1,592285E+22	1,177926E+22	8,128076E+21	6,012518E+21	6,012702E+21	8,128564E+21	1,177969E+22
-2334	1,592284E+22	1,944774E+22	2,147492E+22	2,147520E+22	1,944837E+22	1,592337E+22	1,177980E+22	8,128345E+21	6,012462E+21	6,012369E+21	8,128031E+21	1,177922E+22
-2333	1,592263E+22	1,944806E+22	2,147574E+22	2,147576E+22	1,944849E+22	1,592336E+22	1,177977E+22	8,128337E+21	6,012470E+21	6,012397E+21	8,128200E+21	1,177982E+22
-2332	1,592367E+22	1,944888E+22	2,147607E+22	2,147568E+22	1,944804E+22	1,592279E+22	1,177932E+22	8,128057E+21	6,012381E+21	6,012481E+21	8,128219E+21	1,177932E+22
-2331	1,592269E+22	1,944775E+22	2,147515E+22	2,147542E+22	1,944823E+22	1,592307E+22	1,177968E+22	8,128425E+21	6,012618E+21	6,012514E+21	8,128125E+21	1,177929E+22
-2330	1,592293E+22	1,944853E+22	2,147601E+22	2,147587E+22	1,944831E+22	1,592285E+22	1,177933E+22	8,128246E+21	6,012701E+21	6,012803E+21	8,128652E+21	1,178001E+22
-2329	1,592335E+22	1,944831E+22	2,147542E+22	2,147520E+22	1,944796E+22	1,592290E+22	1,177950E+22	8,128347E+21	6,012789E+21	6,012910E+21	8,128568E+21	1,177951E+22
-2328	1,592243E+22	1,944727E+22	2,147495E+22	2,147531E+22	1,944814E+22	1,592317E+22	1,177998E+22	8,128896E+21	6,013196E+21	6,013093E+21	8,128625E+21	1,177977E+22
-2327	1,592337E+22	1,944848E+22	2,147550E+22	2,147529E+22	1,944788E+22	1,592276E+22	1,177960E+22	8,128749E+21	6,013359E+21	6,013521E+21	8,129189E+21	1,178004E+22
-2326	1,592291E+22	1,944755E+22	2,147437E+22	2,147429E+22	1,944748E+22	1,592298E+22	1,178010E+22	8,129277E+21	6,013777E+21	6,013721E+21	8,129013E+21	1,177951E+22
-2325	1,592217E+22	1,944705E+22	2,147454E+22	2,147468E+22	1,944768E+22	1,592309E+22	1,178029E+22	8,129612E+21	6,014165E+21	6,014068E+21	8,129375E+21	1,178011E+22
-2324	1,592314E+22	1,944780E+22	2,147474E+22	2,147453E+22	1,944729E+22	1,592254E+22	1,177980E+22	8,129342E+21	6,014188E+21	6,014370E+21	8,129768E+21	1,178011E+22
-2323	1,592243E+22	1,944656E+22	2,147340E+22	2,147375E+22	1,944720E+22	1,592287E+22	1,178026E+22	8,129711E+21	6,014348E+21	6,014286E+21	8,129522E+21	1,177994E+22
-2322	1,592254E+22	1,944717E+22	2,147422E+22	2,147423E+22	1,944729E+22	1,592273E+22	1,178007E+22	8,129597E+21	6,014309E+21	6,014311E+21	8,129743E+21	1,178055E+22
-2321	1,592338E+22	1,944771E+22	2,147427E+22	2,147390E+22	1,944693E+22	1,592254E+22	1,177993E+22	8,129378E+21	6,014102E+21	6,014184E+21	8,129508E+21	1,177990E+22
-2320	1,592237E+22	1,944679E+22	2,147403E+22	2,147427E+22	1,944732E+22	1,592285E+22	1,178024E+22	8,129594E+21	6,014072E+21	6,013890E+21	8,129110E+21	1,177974E+22
-2319	1,592294E+22	1,944808E+22	2,147519E+22	2,147497E+22	1,944759E+22	1,592261E+22	1,177968E+22	8,129059E+21	6,013754E+21	6,013864E+21	8,129426E+21	1,178015E+22
-2318	1,592286E+22	1,944748E+22	2,147450E+22	2,147445E+22	1,944751E+22	1,592284E+22	1,177984E+22	8,128991E+21	6,013530E+21	6,013529E+21	8,128906E+21	1,177950E+22
-2317	1,592218E+22	1,944691E+22	2,147456E+22	2,147502E+22	1,944807E+22	1,592326E+22	1,178009E+22	8,129060E+21	6,013403E+21	6,013279E+21	8,128749E+21	1,177981E+22

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	1,592332E+22	1,944830E+22	2,147533E+22	2,147525E+22	1,944791E+22	1,592280E+22	1,177953E+22	8,128551E+21	6,013070E+21	6,013209E+21	8,128908E+21	1,177984E+22
-2315	1,592285E+22	1,944753E+22	2,147443E+22	2,147452E+22	1,944769E+22	1,592301E+22	1,177987E+22	8,128743E+21	6,013020E+21	6,012913E+21	8,128416E+21	1,177936E+22
-2314	1,592256E+22	1,944782E+22	2,147536E+22	2,147529E+22	1,944794E+22	1,592294E+22	1,177977E+22	8,128754E+21	6,013079E+21	6,012989E+21	8,128605E+21	1,177988E+22
-2313	1,592342E+22	1,944846E+22	2,147559E+22	2,147525E+22	1,944771E+22	1,592261E+22	1,177940E+22	8,128441E+21	6,012973E+21	6,013127E+21	8,128765E+21	1,177956E+22
-2312	1,592247E+22	1,944724E+22	2,147468E+22	2,147507E+22	1,944796E+22	1,592299E+22	1,177980E+22	8,128772E+21	6,013136E+21	6,013071E+21	8,128575E+21	1,177949E+22
-2311	1,592282E+22	1,944813E+22	2,147547E+22	2,147541E+22	1,944806E+22	1,592287E+22	1,177958E+22	8,128669E+21	6,013237E+21	6,013382E+21	8,129141E+21	1,178022E+22
-2310	1,592320E+22	1,944780E+22	2,147467E+22	2,147449E+22	1,944748E+22	1,592279E+22	1,177977E+22	8,128896E+21	6,013466E+21	6,013545E+21	8,129015E+21	1,177970E+22
-2309	1,592238E+22	1,944687E+22	2,147418E+22	2,147449E+22	1,944767E+22	1,592317E+22	1,178032E+22	8,129514E+21	6,013953E+21	6,013792E+21	8,129056E+21	1,177978E+22
-2308	1,592306E+22	1,944804E+22	2,147496E+22	2,147469E+22	1,944737E+22	1,592259E+22	1,177989E+22	8,129404E+21	6,014180E+21	6,014298E+21	8,129717E+21	1,178018E+22
-2307	1,592265E+22	1,944695E+22	2,147365E+22	2,147362E+22	1,944689E+22	1,592261E+22	1,178016E+22	8,129751E+21	6,014500E+21	6,014486E+21	8,129635E+21	1,177980E+22
-2306	1,592203E+22	1,944647E+22	2,147374E+22	2,147398E+22	1,944715E+22	1,592278E+22	1,178035E+22	8,130040E+21	6,014804E+21	6,014734E+21	8,129923E+21	1,178039E+22
-2305	1,592304E+22	1,944732E+22	2,147395E+22	2,147375E+22	1,944677E+22	1,592238E+22	1,177997E+22	8,129746E+21	6,014743E+21	6,014951E+21	8,130262E+21	1,178041E+22
-2304	1,592242E+22	1,944627E+22	2,147293E+22	2,147317E+22	1,944670E+22	1,592267E+22	1,178040E+22	8,130085E+21	6,014827E+21	6,014729E+21	8,129800E+21	1,178001E+22
-2303	1,592251E+22	1,944710E+22	2,147401E+22	2,147386E+22	1,944691E+22	1,592257E+22	1,178022E+22	8,129979E+21	6,014804E+21	6,014798E+21	8,130063E+21	1,178055E+22
-2302	1,592308E+22	1,944730E+22	2,147390E+22	2,147358E+22	1,944658E+22	1,592232E+22	1,178002E+22	8,129781E+21	6,014665E+21	6,014722E+21	8,129861E+21	1,177996E+22
-2301	1,592213E+22	1,944630E+22	2,147342E+22	2,147388E+22	1,944723E+22	1,592291E+22	1,178041E+22	8,129963E+21	6,014596E+21	6,014425E+21	8,129486E+21	1,177977E+22
-2300	1,592259E+22	1,944755E+22	2,147461E+22	2,147454E+22	1,944740E+22	1,592266E+22	1,177993E+22	8,129473E+21	6,014269E+21	6,014374E+21	8,129821E+21	1,178035E+22
-2299	1,592275E+22	1,944698E+22	2,147379E+22	2,147381E+22	1,944705E+22	1,592267E+22	1,177997E+22	8,129335E+21	6,013992E+21	6,014010E+21	8,129313E+21	1,177977E+22
-2298	1,592224E+22	1,944663E+22	2,147389E+22	2,147431E+22	1,944753E+22	1,592300E+22	1,178021E+22	8,129467E+21	6,013912E+21	6,013750E+21	8,129075E+21	1,177991E+22
-2297	1,592321E+22	1,944806E+22	2,147483E+22	2,147459E+22	1,944737E+22	1,592259E+22	1,177968E+22	8,128975E+21	6,013629E+21	6,013758E+21	8,129315E+21	1,177998E+22
-2296	1,592268E+22	1,944726E+22	2,147418E+22	2,147418E+22	1,944725E+22	1,592270E+22	1,177990E+22	8,129103E+21	6,013556E+21	6,013457E+21	8,128804E+21	1,177945E+22
-2295	1,592237E+22	1,944751E+22	2,147500E+22	2,147500E+22	1,944767E+22	1,592275E+22	1,177981E+22	8,129075E+21	6,013606E+21	6,013593E+21	8,129120E+21	1,178007E+22
-2294	1,592314E+22	1,944785E+22	2,147489E+22	2,147471E+22	1,944737E+22	1,592249E+22	1,177953E+22	8,128832E+21	6,013548E+21	6,013732E+21	8,129270E+21	1,177989E+22
-2293	1,592247E+22	1,944677E+22	2,147383E+22	2,147433E+22	1,944766E+22	1,592306E+22	1,178009E+22	8,129249E+21	6,013735E+21	6,013655E+21	8,128989E+21	1,177961E+22
-2292	1,592268E+22	1,944778E+22	2,147484E+22	2,147472E+22	1,944760E+22	1,592284E+22	1,177996E+22	8,129291E+21	6,013942E+21	6,013999E+21	8,129520E+21	1,178033E+22
-2291	1,592308E+22	1,944746E+22	2,147411E+22	2,147381E+22	1,944685E+22	1,592249E+22	1,177994E+22	8,129457E+21	6,014207E+21	6,014253E+21	8,129490E+21	1,177982E+22
-2290	1,592220E+22	1,944646E+22	2,147356E+22	2,147388E+22	1,944710E+22	1,592280E+22	1,178043E+22	8,130074E+21	6,014714E+21	6,014530E+21	8,129562E+21	1,177985E+22
-2289	1,592266E+22	1,944740E+22	2,147422E+22	2,147407E+22	1,944697E+22	1,592244E+22	1,178004E+22	8,129896E+21	6,014893E+21	6,015051E+21	8,130336E+21	1,178045E+22
-2288	1,592239E+22	1,944638E+22	2,147305E+22	2,147306E+22	1,944646E+22	1,592243E+22	1,178028E+22	8,130155E+21	6,015088E+21	6,015105E+21	8,130140E+21	1,178007E+22
-2287	1,592197E+22	1,944608E+22	2,147312E+22	2,147338E+22	1,944673E+22	1,592264E+22	1,178051E+22	8,130438E+21	6,015346E+21	6,015317E+21	8,130404E+21	1,178061E+22
-2286	1,592293E+22	1,944690E+22	2,147327E+22	2,147304E+22	1,944626E+22	1,592221E+22	1,178015E+22	8,130219E+21	6,015348E+21	6,015518E+21	8,130658E+21	1,178060E+22
-2285	1,592241E+22	1,944604E+22	2,147237E+22	2,147254E+22	1,944632E+22	1,592261E+22	1,178061E+22	8,130557E+21	6,015438E+21	6,015300E+21	8,130135E+21	1,177998E+22
-2284	1,592220E+22	1,944676E+22	2,147368E+22	2,147352E+22	1,944661E+22	1,592245E+22	1,178042E+22	8,130466E+21	6,015430E+21	6,015384E+21	8,130445E+21	1,178064E+22
-2283	1,592283E+22	1,944677E+22	2,147333E+22	2,147316E+22	1,944627E+22	1,592210E+22	1,178003E+22	8,130107E+21	6,015198E+21	6,015297E+21	8,130326E+21	1,178019E+22
-2282	1,592201E+22	1,944581E+22	2,147269E+22	2,147329E+22	1,944686E+22	1,592274E+22	1,178050E+22	8,130302E+21	6,015066E+21	6,014911E+21	8,129880E+21	1,177996E+22
-2281	1,592243E+22	1,944707E+22	2,147390E+22	2,147386E+22	1,944702E+22	1,592261E+22	1,178014E+22	8,129839E+21	6,014723E+21	6,014829E+21	8,130192E+21	1,178057E+22

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	1,592270E+22	1,944675E+22	2,147339E+22	2,147325E+22	1,944656E+22	1,592246E+22	1,178009E+22	8,129687E+21	6,014427E+21	6,014404E+21	8,129563E+21	1,177984E+22
-2279	1,592219E+22	1,944655E+22	2,147366E+22	2,147391E+22	1,944710E+22	1,592276E+22	1,178030E+22	8,129808E+21	6,014396E+21	6,014250E+21	8,129426E+21	1,177996E+22
-2278	1,592294E+22	1,944765E+22	2,147439E+22	2,147418E+22	1,944699E+22	1,592234E+22	1,177974E+22	8,129357E+21	6,014194E+21	6,014332E+21	8,129737E+21	1,178015E+22
-2277	1,592253E+22	1,944683E+22	2,147356E+22	2,147371E+22	1,944710E+22	1,592271E+22	1,178003E+22	8,129465E+21	6,014107E+21	6,014040E+21	8,129240E+21	1,177958E+22
-2276	1,592214E+22	1,944707E+22	2,147448E+22	2,147455E+22	1,944745E+22	1,592277E+22	1,178006E+22	8,129529E+21	6,014187E+21	6,014156E+21	8,129549E+21	1,178033E+22
-2275	1,592310E+22	1,944738E+22	2,147416E+22	2,147405E+22	1,944691E+22	1,592230E+22	1,177969E+22	8,129278E+21	6,014141E+21	6,014314E+21	8,129703E+21	1,178012E+22
-2274	1,592248E+22	1,944648E+22	2,147315E+22	2,147358E+22	1,944709E+22	1,592283E+22	1,178032E+22	8,129818E+21	6,014415E+21	6,014274E+21	8,129385E+21	1,177968E+22
-2273	1,592241E+22	1,944737E+22	2,147428E+22	2,147404E+22	1,944705E+22	1,592266E+22	1,178021E+22	8,129884E+21	6,014697E+21	6,014724E+21	8,130015E+21	1,178042E+22
-2272	1,592271E+22	1,944696E+22	2,147366E+22	2,147331E+22	1,944634E+22	1,592219E+22	1,178005E+22	8,129959E+21	6,014924E+21	6,014979E+21	8,130019E+21	1,177997E+22
-2271	1,592191E+22	1,944592E+22	2,147293E+22	2,147334E+22	1,944673E+22	1,592261E+22	1,178051E+22	8,130478E+21	6,015378E+21	6,015287E+21	8,130199E+21	1,178013E+22
-2270	1,592239E+22	1,944665E+22	2,147327E+22	2,147326E+22	1,944647E+22	1,592227E+22	1,178019E+22	8,130342E+21	6,015545E+21	6,015739E+21	8,130910E+21	1,178084E+22
-2269	1,592245E+22	1,944592E+22	2,147212E+22	2,147220E+22	1,944603E+22	1,592238E+22	1,178050E+22	8,130623E+21	6,015704E+21	6,015708E+21	8,130567E+21	1,178024E+22
-2268	1,592191E+22	1,944585E+22	2,147263E+22	2,147274E+22	1,944624E+22	1,592249E+22	1,178076E+22	8,130978E+21	6,015993E+21	6,015881E+21	8,130753E+21	1,178075E+22
-2267	1,592286E+22	1,944661E+22	2,147284E+22	2,147251E+22	1,944572E+22	1,592189E+22	1,178024E+22	8,130665E+21	6,015972E+21	6,016121E+21	8,131054E+21	1,178070E+22
-2266	1,592225E+22	1,944572E+22	2,147195E+22	2,147214E+22	1,944594E+22	1,592236E+22	1,178071E+22	8,130983E+21	6,016021E+21	6,015880E+21	8,130535E+21	1,178002E+22
-2265	1,592183E+22	1,944621E+22	2,147312E+22	2,147309E+22	1,944641E+22	1,592245E+22	1,178059E+22	8,130837E+21	6,015954E+21	6,015942E+21	8,130888E+21	1,178081E+22
-2264	1,592257E+22	1,944629E+22	2,147286E+22	2,147272E+22	1,944600E+22	1,592205E+22	1,178018E+22	8,130417E+21	6,015620E+21	6,015736E+21	8,130675E+21	1,178037E+22
-2263	1,592197E+22	1,944551E+22	2,147215E+22	2,147273E+22	1,944653E+22	1,592266E+22	1,178065E+22	8,130616E+21	6,015493E+21	6,015362E+21	8,130226E+21	1,178010E+22
-2262	1,592230E+22	1,944667E+22	2,147325E+22	2,147315E+22	1,944653E+22	1,592245E+22	1,178031E+22	8,130264E+21	6,015249E+21	6,015310E+21	8,130510E+21	1,178072E+22
-2261	1,592268E+22	1,944653E+22	2,147289E+22	2,147267E+22	1,944616E+22	1,592232E+22	1,178025E+22	8,130117E+21	6,014996E+21	6,014947E+21	8,129898E+21	1,177985E+22
-2260	1,592192E+22	1,944621E+22	2,147336E+22	2,147357E+22	1,944676E+22	1,592256E+22	1,178041E+22	8,130241E+21	6,014991E+21	6,014824E+21	8,129841E+21	1,178014E+22
-2259	1,592276E+22	1,944714E+22	2,147383E+22	2,147372E+22	1,944663E+22	1,592210E+22	1,177974E+22	8,129673E+21	6,014738E+21	6,014933E+21	8,130236E+21	1,178044E+22
-2258	1,592250E+22	1,944644E+22	2,147290E+22	2,147307E+22	1,944666E+22	1,592253E+22	1,178015E+22	8,129834E+21	6,014619E+21	6,014578E+21	8,129656E+21	1,177976E+22
-2257	1,592199E+22	1,944663E+22	2,147380E+22	2,147387E+22	1,944706E+22	1,592273E+22	1,178031E+22	8,129986E+21	6,014757E+21	6,014708E+21	8,129934E+21	1,178046E+22
-2256	1,592296E+22	1,944712E+22	2,147377E+22	2,147349E+22	1,944644E+22	1,592212E+22	1,177987E+22	8,129752E+21	6,014746E+21	6,014870E+21	8,130042E+21	1,178017E+22
-2255	1,592229E+22	1,944619E+22	2,147276E+22	2,147308E+22	1,944665E+22	1,592262E+22	1,178047E+22	8,130296E+21	6,015100E+21	6,014977E+21	8,129864E+21	1,177974E+22
-2254	1,592199E+22	1,944665E+22	2,147355E+22	2,147345E+22	1,944664E+22	1,592248E+22	1,178038E+22	8,130412E+21	6,015440E+21	6,015485E+21	8,130591E+21	1,178065E+22
-2253	1,592250E+22	1,944631E+22	2,147277E+22	2,147261E+22	1,944604E+22	1,592216E+22	1,178025E+22	8,130447E+21	6,015624E+21	6,015719E+21	8,130599E+21	1,178020E+22
-2252	1,592169E+22	1,944537E+22	2,147221E+22	2,147264E+22	1,944629E+22	1,592252E+22	1,178076E+22	8,131000E+21	6,016050E+21	6,015946E+21	8,130730E+21	1,178050E+22
-2251	1,592242E+22	1,944618E+22	2,147247E+22	2,147242E+22	1,944587E+22	1,592200E+22	1,178032E+22	8,130808E+21	6,016189E+21	6,016382E+21	8,131394E+21	1,178113E+22
-2250	1,592256E+22	1,944575E+22	2,147155E+22	2,147142E+22	1,944538E+22	1,592209E+22	1,178067E+22	8,131137E+21	6,016349E+21	6,016314E+21	8,130955E+21	1,178031E+22
-2249	1,592172E+22	1,944555E+22	2,147225E+22	2,147224E+22	1,944579E+22	1,592232E+22	1,178095E+22	8,131477E+21	6,016655E+21	6,016524E+21	8,131176E+21	1,178080E+22
-2248	1,592254E+22	1,944622E+22	2,147256E+22	2,147221E+22	1,944542E+22	1,592168E+22	1,178030E+22	8,131053E+21	6,016543E+21	6,016701E+21	8,131469E+21	1,178080E+22
-2247	1,592200E+22	1,944526E+22	2,147147E+22	2,147176E+22	1,944576E+22	1,592230E+22	1,178080E+22	8,131285E+21	6,016525E+21	6,016460E+21	8,131010E+21	1,178021E+22
-2246	1,592154E+22	1,944550E+22	2,147231E+22	2,147242E+22	1,944607E+22	1,592243E+22	1,178080E+22	8,131219E+21	6,016449E+21	6,016448E+21	8,131289E+21	1,178105E+22
-2245	1,592256E+22	1,944587E+22	2,147206E+22	2,147198E+22	1,944566E+22	1,592205E+22	1,178042E+22	8,130831E+21	6,016114E+21	6,016197E+21	8,130972E+21	1,178045E+22

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	1,592188E+22	1,944531E+22	2,147178E+22	2,147216E+22	1,944605E+22	1,592251E+22	1,178086E+22	8,131077E+21	6,016038E+21	6,015827E+21	8,130515E+21	1,178023E+22
-2243	1,592224E+22	1,944635E+22	2,147282E+22	2,147261E+22	1,944598E+22	1,592209E+22	1,178031E+22	8,130622E+21	6,015798E+21	6,015859E+21	8,130884E+21	1,178083E+22
-2242	1,592258E+22	1,944623E+22	2,147249E+22	2,147224E+22	1,944574E+22	1,592203E+22	1,178027E+22	8,130454E+21	6,015505E+21	6,015492E+21	8,130312E+21	1,177996E+22
-2241	1,592166E+22	1,944575E+22	2,147290E+22	2,147318E+22	1,944653E+22	1,592250E+22	1,178051E+22	8,130552E+21	6,015474E+21	6,015365E+21	8,130290E+21	1,178033E+22
-2240	1,592259E+22	1,944674E+22	2,147340E+22	2,147327E+22	1,944634E+22	1,592201E+22	1,177986E+22	8,129985E+21	6,015177E+21	6,015391E+21	8,130596E+21	1,178062E+22
-2239	1,592248E+22	1,944617E+22	2,147241E+22	2,147254E+22	1,944636E+22	1,592248E+22	1,178032E+22	8,130200E+21	6,015136E+21	6,015118E+21	8,130040E+21	1,177987E+22
-2238	1,592180E+22	1,944613E+22	2,147312E+22	2,147313E+22	1,944657E+22	1,592264E+22	1,178058E+22	8,130526E+21	6,015421E+21	6,015329E+21	8,130327E+21	1,178055E+22
-2237	1,592278E+22	1,944668E+22	2,147313E+22	2,147285E+22	1,944604E+22	1,592201E+22	1,178011E+22	8,130320E+21	6,015486E+21	6,015586E+21	8,130509E+21	1,178021E+22
-2236	1,592194E+22	1,944564E+22	2,147221E+22	2,147254E+22	1,944622E+22	1,592243E+22	1,178066E+22	8,130860E+21	6,015865E+21	6,015727E+21	8,130445E+21	1,178003E+22
-2235	1,592180E+22	1,944591E+22	2,147264E+22	2,147264E+22	1,944610E+22	1,592220E+22	1,178045E+22	8,130858E+21	6,016142E+21	6,016244E+21	8,131225E+21	1,178104E+22
-2234	1,592253E+22	1,944585E+22	2,147193E+22	2,147171E+22	1,944537E+22	1,592191E+22	1,178043E+22	8,130923E+21	6,016258E+21	6,016384E+21	8,131134E+21	1,178048E+22
-2233	1,592165E+22	1,944500E+22	2,147156E+22	2,147186E+22	1,944572E+22	1,592235E+22	1,178098E+22	8,131495E+21	6,016692E+21	6,016574E+21	8,131177E+21	1,178067E+22
-2232	1,592236E+22	1,944602E+22	2,147219E+22	2,147187E+22	1,944532E+22	1,592175E+22	1,178046E+22	8,131274E+21	6,016809E+21	6,016964E+21	8,131754E+21	1,178118E+22
-2231	1,592241E+22	1,944554E+22	2,147133E+22	2,147109E+22	1,944504E+22	1,592190E+22	1,178076E+22	8,131547E+21	6,016984E+21	6,016975E+21	8,131386E+21	1,178032E+22
-2230	1,592130E+22	1,944489E+22	2,147164E+22	2,147181E+22	1,944557E+22	1,592227E+22	1,178114E+22	8,131941E+21	6,017295E+21	6,017171E+21	8,131644E+21	1,178093E+22
-2229	1,592230E+22	1,944561E+22	2,147180E+22	2,147171E+22	1,944530E+22	1,592177E+22	1,178055E+22	8,131491E+21	6,017121E+21	6,017287E+21	8,131908E+21	1,178093E+22
-2228	1,592175E+22	1,944470E+22	2,147082E+22	2,147118E+22	1,944542E+22	1,592230E+22	1,178108E+22	8,131758E+21	6,017072E+21	6,016961E+21	8,131410E+21	1,178048E+22
-2227	1,592152E+22	1,944496E+22	2,147149E+22	2,147162E+22	1,944551E+22	1,592222E+22	1,178095E+22	8,131632E+21	6,016987E+21	6,016969E+21	8,131671E+21	1,178124E+22
-2226	1,592263E+22	1,944570E+22	2,147154E+22	2,147120E+22	1,944494E+22	1,592174E+22	1,178056E+22	8,131251E+21	6,016640E+21	6,016709E+21	8,131318E+21	1,178049E+22
-2225	1,592168E+22	1,944502E+22	2,147145E+22	2,147170E+22	1,944557E+22	1,592224E+22	1,178092E+22	8,131439E+21	6,016574E+21	6,016385E+21	8,130920E+21	1,178031E+22
-2224	1,592203E+22	1,944606E+22	2,147258E+22	2,147233E+22	1,944566E+22	1,592181E+22	1,178025E+22	8,130867E+21	6,016251E+21	6,016365E+21	8,131295E+21	1,178100E+22
-2223	1,592248E+22	1,944590E+22	2,147210E+22	2,147191E+22	1,944555E+22	1,592193E+22	1,178026E+22	8,130646E+21	6,015921E+21	6,015997E+21	8,130736E+21	1,178016E+22
-2222	1,592151E+22	1,944519E+22	2,147219E+22	2,147258E+22	1,944623E+22	1,592250E+22	1,178073E+22	8,130916E+21	6,015937E+21	6,015829E+21	8,130641E+21	1,178051E+22
-2221	1,592259E+22	1,944639E+22	2,147273E+22	2,147266E+22	1,944605E+22	1,592203E+22	1,178015E+22	8,130460E+21	6,015721E+21	6,015874E+21	8,130875E+21	1,178062E+22
-2220	1,592228E+22	1,944587E+22	2,147204E+22	2,147202E+22	1,944590E+22	1,592238E+22	1,178062E+22	8,130772E+21	6,015798E+21	6,015689E+21	8,130407E+21	1,177998E+22
-2219	1,592158E+22	1,944556E+22	2,147248E+22	2,147251E+22	1,944603E+22	1,592236E+22	1,178071E+22	8,131037E+21	6,016143E+21	6,016056E+21	8,130843E+21	1,178068E+22
-2218	1,592257E+22	1,944617E+22	2,147246E+22	2,147216E+22	1,944549E+22	1,592178E+22	1,178027E+22	8,130811E+21	6,016176E+21	6,016324E+21	8,131096E+21	1,178042E+22
-2217	1,592168E+22	1,944504E+22	2,147151E+22	2,147188E+22	1,944577E+22	1,592230E+22	1,178082E+22	8,131317E+21	6,016532E+21	6,016448E+21	8,131045E+21	1,178033E+22
-2216	1,592173E+22	1,944551E+22	2,147203E+22	2,147195E+22	1,944556E+22	1,592197E+22	1,178057E+22	8,131281E+21	6,016739E+21	6,016860E+21	8,131713E+21	1,178131E+22
-2215	1,592260E+22	1,944562E+22	2,147142E+22	2,147108E+22	1,944490E+22	1,592172E+22	1,178055E+22	8,131352E+21	6,016891E+21	6,017029E+21	8,131589E+21	1,178062E+22
-2214	1,592151E+22	1,944459E+22	2,147099E+22	2,147120E+22	1,944521E+22	1,592221E+22	1,178123E+22	8,132051E+21	6,017395E+21	6,017241E+21	8,131613E+21	1,178074E+22
-2213	1,592213E+22	1,944558E+22	2,147165E+22	2,147143E+22	1,944503E+22	1,592166E+22	1,178070E+22	8,131830E+21	6,017531E+21	6,017658E+21	8,132205E+21	1,178119E+22
-2212	1,592201E+22	1,944497E+22	2,147086E+22	2,147074E+22	1,944480E+22	1,592185E+22	1,178099E+22	8,132068E+21	6,017672E+21	6,017647E+21	8,131921E+21	1,178059E+22
-2211	1,592109E+22	1,944410E+22	2,147070E+22	2,147107E+22	1,944514E+22	1,592213E+22	1,178127E+22	8,132348E+21	6,017901E+21	6,017818E+21	8,132169E+21	1,178120E+22
-2210	1,592225E+22	1,944512E+22	2,147095E+22	2,147083E+22	1,944468E+22	1,592161E+22	1,178078E+22	8,131917E+21	6,017644E+21	6,017819E+21	8,132327E+21	1,178112E+22
-2209	1,592168E+22	1,944436E+22	2,147022E+22	2,147046E+22	1,944485E+22	1,592209E+22	1,178125E+22	8,132175E+21	6,017599E+21	6,017467E+21	8,131767E+21	1,178060E+22

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°
-2208	1,592147E+22	1,944484E+22	2,147119E+22	2,147106E+22	1,944490E+22	1,592187E+22	1,178097E+22	8,131968E+21	6,017464E+21	6,017432E+21	8,131980E+21	1,178131E+22
-2207	1,592255E+22	1,944554E+22	2,147135E+22	2,147095E+22	1,944461E+22	1,592148E+22	1,178051E+22	8,131496E+21	6,017111E+21	6,017232E+21	8,131699E+21	1,178056E+22
-2206	1,592142E+22	1,944454E+22	2,147097E+22	2,147135E+22	1,944536E+22	1,592216E+22	1,178100E+22	8,131732E+21	6,017027E+21	6,016880E+21	8,131318E+21	1,178047E+22
-2205	1,592189E+22	1,944561E+22	2,147201E+22	2,147198E+22	1,944557E+22	1,592188E+22	1,178045E+22	8,131198E+21	6,016689E+21	6,016812E+21	8,131633E+21	1,178111E+22
-2204	1,592232E+22	1,944551E+22	2,147165E+22	2,147152E+22	1,944532E+22	1,592197E+22	1,178054E+22	8,131077E+21	6,016404E+21	6,016424E+21	8,131067E+21	1,178038E+22
-2203	1,592148E+22	1,944471E+22	2,147143E+22	2,147185E+22	1,944575E+22	1,592237E+22	1,178094E+22	8,131388E+21	6,016524E+21	6,016373E+21	8,130992E+21	1,178059E+22
-2202	1,592250E+22	1,944613E+22	2,147221E+22	2,147192E+22	1,944538E+22	1,592182E+22	1,178042E+22	8,131007E+21	6,016375E+21	6,016494E+21	8,131278E+21	1,178064E+22
-2201	1,592196E+22	1,944539E+22	2,147156E+22	2,147152E+22	1,944539E+22	1,592212E+22	1,178078E+22	8,131300E+21	6,016519E+21	6,016425E+21	8,130953E+21	1,178011E+22
-2200	1,592131E+22	1,944507E+22	2,147190E+22	2,147196E+22	1,944555E+22	1,592207E+22	1,178075E+22	8,131440E+21	6,016790E+21	6,016763E+21	8,131438E+21	1,178097E+22
-2199	1,592247E+22	1,944570E+22	2,147179E+22	2,147154E+22	1,944507E+22	1,592159E+22	1,178031E+22	8,131150E+21	6,016785E+21	6,017022E+21	8,131685E+21	1,178072E+22
-2198	1,592157E+22	1,944447E+22	2,147066E+22	2,147108E+22	1,944527E+22	1,592218E+22	1,178104E+22	8,131786E+21	6,017154E+21	6,017080E+21	8,131536E+21	1,178059E+22
-2197	1,592177E+22	1,944520E+22	2,147138E+22	2,147131E+22	1,944514E+22	1,592186E+22	1,178082E+22	8,131824E+21	6,017411E+21	6,017475E+21	8,132102E+21	1,178138E+22
-2196	1,592241E+22	1,944533E+22	2,147107E+22	2,147063E+22	1,944446E+22	1,592156E+22	1,178081E+22	8,131941E+21	6,017612E+21	6,017672E+21	8,132021E+21	1,178076E+22
-2195	1,592126E+22	1,944399E+22	2,147032E+22	2,147065E+22	1,944478E+22	1,592200E+22	1,178138E+22	8,132578E+21	6,018135E+21	6,017983E+21	8,132139E+21	1,178085E+22
-2194	1,592187E+22	1,944505E+22	2,147098E+22	2,147078E+22	1,944456E+22	1,592155E+22	1,178094E+22	8,132325E+21	6,018188E+21	6,018344E+21	8,132740E+21	1,178135E+22
-2193	1,592169E+22	1,944430E+22	2,147010E+22	2,147010E+22	1,944441E+22	1,592179E+22	1,178123E+22	8,132529E+21	6,018281E+21	6,018284E+21	8,132438E+21	1,178083E+22
-2192	1,592100E+22	1,944367E+22	2,146998E+22	2,147035E+22	1,944463E+22	1,592193E+22	1,178140E+22	8,132729E+21	6,018413E+21	6,018338E+21	8,132583E+21	1,178142E+22
-2191	1,592229E+22	1,944492E+22	2,147041E+22	2,147016E+22	1,944417E+22	1,592138E+22	1,178083E+22	8,132255E+21	6,018160E+21	6,018335E+21	8,132682E+21	1,178123E+22
-2190	1,592155E+22	1,944405E+22	2,146974E+22	2,146986E+22	1,944432E+22	1,592186E+22	1,178138E+22	8,132582E+21	6,018138E+21	6,017986E+21	8,132119E+21	1,178069E+22
-2189	1,592133E+22	1,944454E+22	2,147083E+22	2,147079E+22	1,944463E+22	1,592166E+22	1,178105E+22	8,132344E+21	6,017993E+21	6,017948E+21	8,132335E+21	1,178135E+22
-2188	1,592226E+22	1,944514E+22	2,147103E+22	2,147075E+22	1,944446E+22	1,592140E+22	1,178062E+22	8,131842E+21	6,017590E+21	6,017708E+21	8,132114E+21	1,178082E+22
-2187	1,592129E+22	1,944396E+22	2,147023E+22	2,147079E+22	1,944505E+22	1,592207E+22	1,178112E+22	8,132044E+21	6,017488E+21	6,017370E+21	8,131715E+21	1,178067E+22
-2186	1,592187E+22	1,944529E+22	2,147138E+22	2,147126E+22	1,944507E+22	1,592183E+22	1,178073E+22	8,131606E+21	6,017152E+21	6,017254E+21	8,131938E+21	1,178119E+22
-2185	1,592218E+22	1,944521E+22	2,147117E+22	2,147096E+22	1,944487E+22	1,592185E+22	1,178078E+22	8,131554E+21	6,016975E+21	6,016948E+21	8,131394E+21	1,178041E+22
-2184	1,592133E+22	1,944450E+22	2,147102E+22	2,147133E+22	1,944522E+22	1,592208E+22	1,178103E+22	8,131820E+21	6,017123E+21	6,016956E+21	8,131386E+21	1,178064E+22
-2183	1,592225E+22	1,944575E+22	2,147179E+22	2,147155E+22	1,944503E+22	1,592157E+22	1,178043E+22	8,131381E+21	6,017010E+21	6,017175E+21	8,131791E+21	1,178078E+22
-2182	1,592164E+22	1,944475E+22	2,147083E+22	2,147095E+22	1,944504E+22	1,592199E+22	1,178092E+22	8,131729E+21	6,017149E+21	6,017106E+21	8,131533E+21	1,178040E+22
-2181	1,592118E+22	1,944450E+22	2,147112E+22	2,147137E+22	1,944521E+22	1,592198E+22	1,178095E+22	8,131899E+21	6,017400E+21	6,017386E+21	8,131938E+21	1,178121E+22
-2180	1,592237E+22	1,944530E+22	2,147118E+22	2,147096E+22	1,944467E+22	1,592151E+22	1,178057E+22	8,131674E+21	6,017415E+21	6,017612E+21	8,132170E+21	1,178105E+22
-2179	1,592159E+22	1,944406E+22	2,146986E+22	2,147022E+22	1,944464E+22	1,592195E+22	1,178123E+22	8,132316E+21	6,017858E+21	6,017755E+21	8,131989E+21	1,178072E+22
-2178	1,592166E+22	1,944492E+22	2,147085E+22	2,147056E+22	1,944445E+22	1,592164E+22	1,178109E+22	8,132407E+21	6,018146E+21	6,018182E+21	8,132567E+21	1,178142E+22
-2177	1,592205E+22	1,944480E+22	2,147057E+22	2,147021E+22	1,944406E+22	1,592136E+22	1,178098E+22	8,132496E+21	6,018380E+21	6,018446E+21	8,132582E+21	1,178089E+22
-2176	1,592098E+22	1,944345E+22	2,146961E+22	2,147005E+22	1,944437E+22	1,592179E+22	1,178147E+22	8,133002E+21	6,018785E+21	6,018680E+21	8,132709E+21	1,178111E+22
-2175	1,592169E+22	1,944451E+22	2,147024E+22	2,147013E+22	1,944417E+22	1,592141E+22	1,178103E+22	8,132696E+21	6,018773E+21	6,018968E+21	8,133235E+21	1,178159E+22
-2174	1,592156E+22	1,944376E+22	2,146925E+22	2,146928E+22	1,944387E+22	1,592166E+22	1,178146E+22	8,132994E+21	6,018847E+21	6,018827E+21	8,132844E+21	1,178103E+22
-2173	1,592099E+22	1,944339E+22	2,146939E+22	2,146972E+22	1,944414E+22	1,592174E+22	1,178160E+22	8,133201E+21	6,018981E+21	6,018841E+21	8,132884E+21	1,178145E+22

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2172	1,592210E+22	1,944470E+22	2,147016E+22	2,146982E+22	1,944379E+22	1,592119E+22	1,178098E+22	8,132700E+21	6,018721E+21	6,018846E+21	8,133047E+21	1,178137E+22
-2171	1,592136E+22	1,944359E+22	2,146919E+22	2,146942E+22	1,944397E+22	1,592163E+22	1,178141E+22	8,132929E+21	6,018689E+21	6,018558E+21	8,132539E+21	1,178081E+22
-2170	1,592116E+22	1,944419E+22	2,147035E+22	2,147030E+22	1,944430E+22	1,592159E+22	1,178121E+22	8,132679E+21	6,018467E+21	6,018454E+21	8,132739E+21	1,178150E+22
-2169	1,592204E+22	1,944466E+22	2,147052E+22	2,147038E+22	1,944424E+22	1,592137E+22	1,178081E+22	8,132210E+21	6,018067E+21	6,018191E+21	8,132482E+21	1,178099E+22
-2168	1,592126E+22	1,944369E+22	2,146966E+22	2,147023E+22	1,944467E+22	1,592195E+22	1,178126E+22	8,132399E+21	6,017944E+21	6,017816E+21	8,132045E+21	1,178080E+22
-2167	1,592180E+22	1,944510E+22	2,147094E+22	2,147072E+22	1,944467E+22	1,592167E+22	1,178083E+22	8,131988E+21	6,017692E+21	6,017768E+21	8,132253E+21	1,178120E+22
-2166	1,592190E+22	1,944479E+22	2,147064E+22	2,147039E+22	1,944441E+22	1,592168E+22	1,178097E+22	8,132035E+21	6,017596E+21	6,017555E+21	8,131823E+21	1,178051E+22
-2165	1,592109E+22	1,944401E+22	2,147047E+22	2,147094E+22	1,944491E+22	1,592188E+22	1,178115E+22	8,132273E+21	6,017761E+21	6,017604E+21	8,131878E+21	1,178080E+22
-2164	1,592197E+22	1,944520E+22	2,147117E+22	2,147107E+22	1,944474E+22	1,592146E+22	1,178056E+22	8,131799E+21	6,017604E+21	6,017791E+21	8,132353E+21	1,178117E+22
-2163	1,592156E+22	1,944412E+22	2,146988E+22	2,147010E+22	1,944451E+22	1,592179E+22	1,178104E+22	8,132137E+21	6,017753E+21	6,017744E+21	8,132054E+21	1,178072E+22
-2162	1,592124E+22	1,944424E+22	2,147044E+22	2,147047E+22	1,944452E+22	1,592178E+22	1,178120E+22	8,132387E+21	6,018009E+21	6,017973E+21	8,132356E+21	1,178136E+22
-2161	1,592225E+22	1,944500E+22	2,147069E+22	2,147035E+22	1,944412E+22	1,592129E+22	1,178079E+22	8,132232E+21	6,018122E+21	6,018269E+21	8,132576E+21	1,178111E+22
-2160	1,592144E+22	1,944383E+22	2,146944E+22	2,146970E+22	1,944413E+22	1,592166E+22	1,178134E+22	8,132810E+21	6,018560E+21	6,018453E+21	8,132466E+21	1,178080E+22
-2159	1,592137E+22	1,944448E+22	2,147037E+22	2,147015E+22	1,944415E+22	1,592145E+22	1,178116E+22	8,132854E+21	6,018855E+21	6,018912E+21	8,133081E+21	1,178152E+22
-2158	1,592166E+22	1,944409E+22	2,146977E+22	2,146960E+22	1,944376E+22	1,592134E+22	1,178123E+22	8,132996E+21	6,019055E+21	6,019146E+21	8,133144E+21	1,178115E+22
-2157	1,592080E+22	1,944282E+22	2,146878E+22	2,146944E+22	1,944404E+22	1,592173E+22	1,178173E+22	8,133507E+21	6,019415E+21	6,019291E+21	8,133172E+21	1,178132E+22
-2156	1,592153E+22	1,944403E+22	2,146955E+22	2,146948E+22	1,944376E+22	1,592133E+22	1,178129E+22	8,133216E+21	6,019375E+21	6,019518E+21	8,133670E+21	1,178187E+22
-2155	1,592152E+22	1,944335E+22	2,146850E+22	2,146842E+22	1,944321E+22	1,592139E+22	1,178161E+22	8,133481E+21	6,019494E+21	6,019446E+21	8,133262E+21	1,178116E+22
-2154	1,592089E+22	1,944318E+22	2,146899E+22	2,146905E+22	1,944347E+22	1,592145E+22	1,178176E+22	8,133656E+21	6,019594E+21	6,019447E+21	8,133304E+21	1,178152E+22
-2153	1,592180E+22	1,944427E+22	2,146979E+22	2,146951E+22	1,944349E+22	1,592098E+22	1,178105E+22	8,133093E+21	6,019315E+21	6,019466E+21	8,133510E+21	1,178153E+22
-2152	1,592123E+22	1,944325E+22	2,146866E+22	2,146896E+22	1,944368E+22	1,592146E+22	1,178140E+22	8,133177E+21	6,019140E+21	6,019077E+21	8,132982E+21	1,178105E+22
-2151	1,592109E+22	1,944384E+22	2,146981E+22	2,146983E+22	1,944405E+22	1,592151E+22	1,178126E+22	8,132936E+21	6,018888E+21	6,018890E+21	8,133057E+21	1,178165E+22
-2150	1,592194E+22	1,944428E+22	2,146990E+22	2,146978E+22	1,944390E+22	1,592134E+22	1,178105E+22	8,132608E+21	6,018531E+21	6,018615E+21	8,132767E+21	1,178110E+22
-2149	1,592118E+22	1,944342E+22	2,146919E+22	2,146975E+22	1,944429E+22	1,592181E+22	1,178147E+22	8,132849E+21	6,018475E+21	6,018277E+21	8,132303E+21	1,178078E+22
-2148	1,592149E+22	1,944472E+22	2,147061E+22	2,147041E+22	1,944437E+22	1,592154E+22	1,178101E+22	8,132446E+21	6,018262E+21	6,018308E+21	8,132655E+21	1,178135E+22
-2147	1,592164E+22	1,944421E+22	2,146992E+22	2,146977E+22	1,944398E+22	1,592145E+22	1,178105E+22	8,132436E+21	6,018211E+21	6,018210E+21	8,132332E+21	1,178071E+22
-2146	1,592092E+22	1,944357E+22	2,146980E+22	2,147016E+22	1,944439E+22	1,592175E+22	1,178133E+22	8,132671E+21	6,018333E+21	6,018219E+21	8,132385E+21	1,178106E+22
-2145	1,592181E+22	1,944470E+22	2,147052E+22	2,147047E+22	1,944433E+22	1,592132E+22	1,178075E+22	8,132252E+21	6,018212E+21	6,018406E+21	8,132818E+21	1,178144E+22
-2144	1,592164E+22	1,944391E+22	2,146924E+22	2,146935E+22	1,944395E+22	1,592153E+22	1,178114E+22	8,132557E+21	6,018347E+21	6,018336E+21	8,132479E+21	1,178090E+22
-2143	1,592122E+22	1,944407E+22	2,147002E+22	2,146988E+22	1,944402E+22	1,592153E+22	1,178129E+22	8,132856E+21	6,018687E+21	6,018612E+21	8,132738E+21	1,178139E+22
-2142	1,592195E+22	1,944455E+22	2,147019E+22	2,146985E+22	1,944369E+22	1,592111E+22	1,178101E+22	8,132804E+21	6,018871E+21	6,018999E+21	8,133077E+21	1,178120E+22
-2141	1,592109E+22	1,944322E+22	2,146885E+22	2,146932E+22	1,944386E+22	1,592153E+22	1,178153E+22	8,133359E+21	6,019307E+21	6,019198E+21	8,133014E+21	1,178095E+22
-2140	1,592097E+22	1,944376E+22	2,146964E+22	2,146963E+22	1,944392E+22	1,592146E+22	1,178141E+22	8,133369E+21	6,019532E+21	6,019610E+21	8,133674E+21	1,178186E+22
-2139	1,592149E+22	1,944336E+22	2,146870E+22	2,146862E+22	1,944320E+22	1,592121E+22	1,178145E+22	8,133507E+21	6,019737E+21	6,019841E+21	8,133683E+21	1,178143E+22
-2138	1,592080E+22	1,944249E+22	2,146800E+22	2,146841E+22	1,944330E+22	1,592155E+22	1,178199E+22	8,134032E+21	6,020066E+21	6,019911E+21	8,133609E+21	1,178149E+22
-2137	1,592140E+22	1,944369E+22	2,146904E+22	2,146883E+22	1,944318E+22	1,592106E+22	1,178146E+22	8,133736E+21	6,020057E+21	6,020158E+21	8,134069E+21	1,178197E+22

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	1,592145E+22	1,944314E+22	2,146811E+22	2,146793E+22	1,944271E+22	1,592103E+22	1,178160E+22	8,133844E+21	6,020080E+21	6,020064E+21	8,133719E+21	1,178131E+22
-2135	1,592073E+22	1,944288E+22	2,146866E+22	2,146875E+22	1,944322E+22	1,592123E+22	1,178170E+22	8,133937E+21	6,020114E+21	6,020005E+21	8,133722E+21	1,178165E+22
-2134	1,592155E+22	1,944374E+22	2,146921E+22	2,146909E+22	1,944331E+22	1,592100E+22	1,178123E+22	8,133431E+21	6,019777E+21	6,019959E+21	8,133916E+21	1,178174E+22
-2133	1,592112E+22	1,944282E+22	2,146815E+22	2,146860E+22	1,944351E+22	1,592148E+22	1,178162E+22	8,133544E+21	6,019576E+21	6,019487E+21	8,133274E+21	1,178117E+22
-2132	1,592097E+22	1,944349E+22	2,146932E+22	2,146935E+22	1,944380E+22	1,592154E+22	1,178152E+22	8,133349E+21	6,019339E+21	6,019289E+21	8,133327E+21	1,178175E+22
-2131	1,592180E+22	1,944387E+22	2,146925E+22	2,146903E+22	1,944336E+22	1,592117E+22	1,178123E+22	8,133060E+21	6,019107E+21	6,019153E+21	8,133097E+21	1,178113E+22
-2130	1,592099E+22	1,944313E+22	2,146877E+22	2,146908E+22	1,944370E+22	1,592157E+22	1,178162E+22	8,133294E+21	6,019079E+21	6,018880E+21	8,132730E+21	1,178087E+22
-2129	1,592116E+22	1,944412E+22	2,147006E+22	2,146995E+22	1,944402E+22	1,592133E+22	1,178109E+22	8,132861E+21	6,018886E+21	6,018962E+21	8,133153E+21	1,178157E+22
-2128	1,592157E+22	1,944379E+22	2,146924E+22	2,146910E+22	1,944352E+22	1,592121E+22	1,178105E+22	8,132727E+21	6,018731E+21	6,018814E+21	8,132865E+21	1,178105E+22
-2127	1,592095E+22	1,944326E+22	2,146923E+22	2,146952E+22	1,944391E+22	1,592151E+22	1,178135E+22	8,132992E+21	6,018853E+21	6,018753E+21	8,132777E+21	1,178125E+22
-2126	1,592176E+22	1,944437E+22	2,146994E+22	2,146979E+22	1,944385E+22	1,592119E+22	1,178097E+22	8,132727E+21	6,018805E+21	6,018967E+21	8,133191E+21	1,178155E+22
-2125	1,592154E+22	1,944364E+22	2,146890E+22	2,146894E+22	1,944355E+22	1,592135E+22	1,178133E+22	8,133076E+21	6,019015E+21	6,018949E+21	8,132843E+21	1,178091E+22
-2124	1,592087E+22	1,944360E+22	2,146963E+22	2,146958E+22	1,944380E+22	1,592146E+22	1,178151E+22	8,133393E+21	6,019383E+21	6,019299E+21	8,133234E+21	1,178151E+22
-2123	1,592159E+22	1,944381E+22	2,146936E+22	2,146918E+22	1,944334E+22	1,592102E+22	1,178122E+22	8,133340E+21	6,019628E+21	6,019785E+21	8,133682E+21	1,178143E+22
-2122	1,592084E+22	1,944261E+22	2,146803E+22	2,146842E+22	1,944334E+22	1,592149E+22	1,178184E+22	8,133902E+21	6,020020E+21	6,019937E+21	8,133609E+21	1,178124E+22
-2121	1,592076E+22	1,944305E+22	2,146878E+22	2,146886E+22	1,944344E+22	1,592136E+22	1,178170E+22	8,133942E+21	6,020255E+21	6,020321E+21	8,134195E+21	1,178213E+22
-2120	1,592157E+22	1,944306E+22	2,146791E+22	2,146768E+22	1,944250E+22	1,592091E+22	1,178158E+22	8,133975E+21	6,020394E+21	6,020509E+21	8,134184E+21	1,178167E+22
-2119	1,592080E+22	1,944230E+22	2,146757E+22	2,146772E+22	1,944265E+22	1,592117E+22	1,178201E+22	8,134465E+21	6,020720E+21	6,020543E+21	8,134024E+21	1,178158E+22
-2118	1,592120E+22	1,944331E+22	2,146862E+22	2,146837E+22	1,944274E+22	1,592082E+22	1,178157E+22	8,134186E+21	6,020693E+21	6,020804E+21	8,134549E+21	1,178213E+22
-2117	1,592124E+22	1,944268E+22	2,146770E+22	2,146766E+22	1,944249E+22	1,592087E+22	1,178166E+22	8,134198E+21	6,020620E+21	6,020622E+21	8,134145E+21	1,178146E+22
-2116	1,592050E+22	1,944236E+22	2,146815E+22	2,146841E+22	1,944311E+22	1,592129E+22	1,178189E+22	8,134267E+21	6,020549E+21	6,020468E+21	8,134119E+21	1,178187E+22
-2115	1,592146E+22	1,944323E+22	2,146843E+22	2,146835E+22	1,944290E+22	1,592095E+22	1,178145E+22	8,133823E+21	6,020258E+21	6,020419E+21	8,134235E+21	1,178185E+22
-2114	1,592107E+22	1,944258E+22	2,146761E+22	2,146778E+22	1,944294E+22	1,592140E+22	1,178190E+22	8,133988E+21	6,020088E+21	6,019943E+21	8,133543E+21	1,178118E+22
-2113	1,592072E+22	1,944307E+22	2,146890E+22	2,146888E+22	1,944339E+22	1,592137E+22	1,178171E+22	8,133827E+21	6,019941E+21	6,019842E+21	8,133633E+21	1,178174E+22
-2112	1,592163E+22	1,944354E+22	2,146878E+22	2,146852E+22	1,944289E+22	1,592086E+22	1,178122E+22	8,133398E+21	6,019661E+21	6,019754E+21	8,133557E+21	1,178128E+22
-2111	1,592081E+22	1,944274E+22	2,146832E+22	2,146864E+22	1,944334E+22	1,592130E+22	1,178157E+22	8,133579E+21	6,019602E+21	6,019447E+21	8,133183E+21	1,178106E+22
-2110	1,592098E+22	1,944359E+22	2,146942E+22	2,146940E+22	1,944368E+22	1,592124E+22	1,178124E+22	8,133223E+21	6,019396E+21	6,019513E+21	8,133624E+21	1,178185E+22
-2109	1,592154E+22	1,944339E+22	2,146873E+22	2,146865E+22	1,944318E+22	1,592109E+22	1,178121E+22	8,133117E+21	6,019238E+21	6,019311E+21	8,133241E+21	1,178123E+22
-2108	1,592090E+22	1,944297E+22	2,146879E+22	2,146904E+22	1,944360E+22	1,592147E+22	1,178158E+22	8,133441E+21	6,019399E+21	6,019283E+21	8,133156E+21	1,178135E+22
-2107	1,592160E+22	1,944396E+22	2,146934E+22	2,146908E+22	1,944332E+22	1,592103E+22	1,178120E+22	8,133274E+21	6,019515E+21	6,019650E+21	8,133635E+21	1,178160E+22
-2106	1,592127E+22	1,944322E+22	2,146840E+22	2,146829E+22	1,944306E+22	1,592123E+22	1,178158E+22	8,133641E+21	6,019775E+21	6,019715E+21	8,133396E+21	1,178104E+22
-2105	1,592048E+22	1,944281E+22	2,146888E+22	2,146904E+22	1,944350E+22	1,592138E+22	1,178173E+22	8,133954E+21	6,020167E+21	6,020103E+21	8,133827E+21	1,178175E+22
-2104	1,592146E+22	1,944321E+22	2,146843E+22	2,146831E+22	1,944280E+22	1,592084E+22	1,178136E+22	8,133794E+21	6,020308E+21	6,020528E+21	8,134311E+21	1,178180E+22
-2103	1,592086E+22	1,944219E+22	2,146729E+22	2,146755E+22	1,944268E+22	1,592120E+22	1,178195E+22	8,134374E+21	6,020676E+21	6,020578E+21	8,134086E+21	1,178147E+22
-2102	1,592072E+22	1,944265E+22	2,146806E+22	2,146801E+22	1,944278E+22	1,592114E+22	1,178192E+22	8,134483E+21	6,020929E+21	6,020958E+21	8,134635E+21	1,178228E+22
-2101	1,592146E+22	1,944277E+22	2,146759E+22	2,146725E+22	1,944199E+22	1,592062E+22	1,178170E+22	8,134454E+21	6,021044E+21	6,021127E+21	8,134590E+21	1,178173E+22

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	1,592057E+22	1,944193E+22	2,146724E+22	2,146745E+22	1,944241E+22	1,592103E+22	1,178212E+22	8,134858E+21	6,021287E+21	6,021147E+21	8,134487E+21	1,178170E+22
-2099	1,592092E+22	1,944272E+22	2,146793E+22	2,146780E+22	1,944243E+22	1,592075E+22	1,178172E+22	8,134587E+21	6,021276E+21	6,021416E+21	8,135022E+21	1,178230E+22
-2098	1,592107E+22	1,944223E+22	2,146712E+22	2,146704E+22	1,944215E+22	1,592091E+22	1,178191E+22	8,134605E+21	6,021144E+21	6,021151E+21	8,134553E+21	1,178164E+22
-2097	1,592033E+22	1,944179E+22	2,146748E+22	2,146787E+22	1,944282E+22	1,592128E+22	1,178216E+22	8,134737E+21	6,021100E+21	6,020970E+21	8,134422E+21	1,178196E+22
-2096	1,592146E+22	1,944296E+22	2,146780E+22	2,146761E+22	1,944237E+22	1,592076E+22	1,178159E+22	8,134218E+21	6,020781E+21	6,020928E+21	8,134582E+21	1,178194E+22
-2095	1,592096E+22	1,944236E+22	2,146728E+22	2,146724E+22	1,944235E+22	1,592105E+22	1,178193E+22	8,134379E+21	6,020644E+21	6,020472E+21	8,133887E+21	1,178120E+22
-2094	1,592044E+22	1,944256E+22	2,146839E+22	2,146843E+22	1,944299E+22	1,592116E+22	1,178181E+22	8,134220E+21	6,020507E+21	6,020440E+21	8,134109E+21	1,178189E+22
-2093	1,592140E+22	1,944302E+22	2,146831E+22	2,146819E+22	1,944262E+22	1,592068E+22	1,178125E+22	8,133695E+21	6,020150E+21	6,020297E+21	8,134029E+21	1,178152E+22
-2092	1,592072E+22	1,944229E+22	2,146776E+22	2,146820E+22	1,944312E+22	1,592127E+22	1,178169E+22	8,133852E+21	6,020011E+21	6,019927E+21	8,133628E+21	1,178134E+22
-2091	1,592100E+22	1,944319E+22	2,146867E+22	2,146862E+22	1,944318E+22	1,592112E+22	1,178143E+22	8,133632E+21	6,019919E+21	6,020023E+21	8,133999E+21	1,178202E+22
-2090	1,592156E+22	1,944323E+22	2,146828E+22	2,146792E+22	1,944263E+22	1,592098E+22	1,178145E+22	8,133602E+21	6,019835E+21	6,019860E+21	8,133586E+21	1,178127E+22
-2089	1,592066E+22	1,944254E+22	2,146838E+22	2,146863E+22	1,944323E+22	1,592134E+22	1,178183E+22	8,134008E+21	6,020118E+21	6,019953E+21	8,133547E+21	1,178136E+22
-2088	1,592139E+22	1,944353E+22	2,146875E+22	2,146852E+22	1,944289E+22	1,592082E+22	1,178132E+22	8,133744E+21	6,020214E+21	6,020390E+21	8,134199E+21	1,178177E+22
-2087	1,592102E+22	1,944268E+22	2,146777E+22	2,146770E+22	1,944262E+22	1,592103E+22	1,178170E+22	8,134114E+21	6,020468E+21	6,020429E+21	8,133959E+21	1,178127E+22
-2086	1,592026E+22	1,944211E+22	2,146800E+22	2,146829E+22	1,944306E+22	1,592133E+22	1,178202E+22	8,134493E+21	6,020857E+21	6,020813E+21	8,134410E+21	1,178205E+22
-2085	1,592137E+22	1,944269E+22	2,146772E+22	2,146761E+22	1,944226E+22	1,592065E+22	1,178157E+22	8,134309E+21	6,020966E+21	6,021160E+21	8,134782E+21	1,178201E+22
-2084	1,592081E+22	1,944186E+22	2,146671E+22	2,146688E+22	1,944216E+22	1,592102E+22	1,178216E+22	8,134868E+21	6,021315E+21	6,021214E+21	8,134548E+21	1,178160E+22
-2083	1,592056E+22	1,944225E+22	2,146746E+22	2,146727E+22	1,944210E+22	1,592082E+22	1,178208E+22	8,135029E+21	6,021665E+21	6,021677E+21	8,135131E+21	1,178238E+22
-2082	1,592122E+22	1,944236E+22	2,146710E+22	2,146667E+22	1,944153E+22	1,592044E+22	1,178184E+22	8,134939E+21	6,021740E+21	6,021836E+21	8,135120E+21	1,178188E+22
-2081	1,592025E+22	1,944126E+22	2,146661E+22	2,146704E+22	1,944221E+22	1,592100E+22	1,178230E+22	8,135309E+21	6,021935E+21	6,021811E+21	8,134971E+21	1,178190E+22
-2080	1,592085E+22	1,944225E+22	2,146715E+22	2,146708E+22	1,944201E+22	1,592065E+22	1,178187E+22	8,134948E+21	6,021800E+21	6,021980E+21	8,135483E+21	1,178255E+22
-2079	1,592105E+22	1,944192E+22	2,146655E+22	2,146639E+22	1,944164E+22	1,592070E+22	1,178205E+22	8,135006E+21	6,021652E+21	6,021612E+21	8,134859E+21	1,178173E+22
-2078	1,592022E+22	1,944142E+22	2,146690E+22	2,146726E+22	1,944234E+22	1,592114E+22	1,178237E+22	8,135194E+21	6,021649E+21	6,021473E+21	8,134746E+21	1,178198E+22
-2077	1,592121E+22	1,944260E+22	2,146751E+22	2,146731E+22	1,944197E+22	1,592051E+22	1,178167E+22	8,134600E+21	6,021301E+21	6,021429E+21	8,134925E+21	1,178198E+22
-2076	1,592071E+22	1,944196E+22	2,146691E+22	2,146699E+22	1,944215E+22	1,592093E+22	1,178200E+22	8,134671E+21	6,021097E+21	6,020996E+21	8,134342E+21	1,178136E+22
-2075	1,592023E+22	1,944204E+22	2,146769E+22	2,146781E+22	1,944259E+22	1,592104E+22	1,178193E+22	8,134563E+21	6,021007E+21	6,020984E+21	8,134580E+21	1,178214E+22
-2074	1,592134E+22	1,944268E+22	2,146772E+22	2,146755E+22	1,944224E+22	1,592066E+22	1,178145E+22	8,134064E+21	6,020633E+21	6,020791E+21	8,134439E+21	1,178176E+22
-2073	1,592069E+22	1,944191E+22	2,146717E+22	2,146768E+22	1,944280E+22	1,592123E+22	1,178192E+22	8,134301E+21	6,020561E+21	6,020431E+21	8,133938E+21	1,178145E+22
-2072	1,592105E+22	1,944303E+22	2,146813E+22	2,146792E+22	1,944262E+22	1,592091E+22	1,178158E+22	8,134064E+21	6,020502E+21	6,020589E+21	8,134379E+21	1,178211E+22
-2071	1,592143E+22	1,944302E+22	2,146799E+22	2,146749E+22	1,944209E+22	1,592063E+22	1,178154E+22	8,134088E+21	6,020496E+21	6,020486E+21	8,134001E+21	1,178131E+22
-2070	1,592033E+22	1,944193E+22	2,146775E+22	2,146815E+22	1,944288E+22	1,592119E+22	1,178201E+22	8,134532E+21	6,020832E+21	6,020684E+21	8,134109E+21	1,178151E+22
-2069	1,592101E+22	1,944285E+22	2,146812E+22	2,146806E+22	1,944256E+22	1,592071E+22	1,178148E+22	8,134201E+21	6,020867E+21	6,021072E+21	8,134759E+21	1,178204E+22
-2068	1,592087E+22	1,944211E+22	2,146701E+22	2,146704E+22	1,944221E+22	1,592095E+22	1,178192E+22	8,134553E+21	6,021064E+21	6,021081E+21	8,134510E+21	1,178153E+22
-2067	1,592018E+22	1,944159E+22	2,146703E+22	2,146725E+22	1,944233E+22	1,592111E+22	1,178227E+22	8,135057E+21	6,021561E+21	6,021487E+21	8,134900E+21	1,178224E+22
-2066	1,592130E+22	1,944242E+22	2,146711E+22	2,146677E+22	1,944161E+22	1,592044E+22	1,178178E+22	8,134875E+21	6,021702E+21	6,021851E+21	8,135245E+21	1,178213E+22
-2065	1,592058E+22	1,944140E+22	2,146620E+22	2,146641E+22	1,944173E+22	1,592079E+22	1,178232E+22	8,135418E+21	6,022075E+21	6,021944E+21	8,135011E+21	1,178171E+22

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	1,592040E+22	1,944182E+22	2,146684E+22	2,146670E+22	1,944166E+22	1,592057E+22	1,178213E+22	8,135446E+21	6,022331E+21	6,022397E+21	8,135707E+21	1,178261E+22
-2063	1,592104E+22	1,944191E+22	2,146657E+22	2,146620E+22	1,944114E+22	1,592023E+22	1,178194E+22	8,135350E+21	6,022332E+21	6,022443E+21	8,135605E+21	1,178210E+22
-2062	1,592007E+22	1,944067E+22	2,146586E+22	2,146646E+22	1,944190E+22	1,592099E+22	1,178257E+22	8,135773E+21	6,022502E+21	6,022378E+21	8,135419E+21	1,178209E+22
-2061	1,592069E+22	1,944184E+22	2,146662E+22	2,146655E+22	1,944164E+22	1,592056E+22	1,178208E+22	8,135380E+21	6,022318E+21	6,022453E+21	8,135801E+21	1,178264E+22
-2060	1,592095E+22	1,944165E+22	2,146609E+22	2,146587E+22	1,944125E+22	1,592060E+22	1,178225E+22	8,135405E+21	6,022155E+21	6,022116E+21	8,135207E+21	1,178177E+22
-2059	1,591999E+22	1,944100E+22	2,146629E+22	2,146660E+22	1,944178E+22	1,592089E+22	1,178252E+22	8,135651E+21	6,022251E+21	6,022064E+21	8,135173E+21	1,178209E+22
-2058	1,592096E+22	1,944217E+22	2,146695E+22	2,146679E+22	1,944162E+22	1,592036E+22	1,178175E+22	8,134976E+21	6,021864E+21	6,022012E+21	8,135395E+21	1,178219E+22
-2057	1,592049E+22	1,944140E+22	2,146628E+22	2,146655E+22	1,944191E+22	1,592084E+22	1,178211E+22	8,135024E+21	6,021617E+21	6,021535E+21	8,134763E+21	1,178164E+22
-2056	1,592031E+22	1,944175E+22	2,146702E+22	2,146709E+22	1,944208E+22	1,592083E+22	1,178201E+22	8,134866E+21	6,021457E+21	6,021469E+21	8,134992E+21	1,178240E+22
-2055	1,592141E+22	1,944255E+22	2,146731E+22	2,146697E+22	1,944168E+22	1,592037E+22	1,178156E+22	8,134456E+21	6,021117E+21	6,021218E+21	8,134704E+21	1,178183E+22
-2054	1,592058E+22	1,944166E+22	2,146677E+22	2,146721E+22	1,944239E+22	1,592109E+22	1,178213E+22	8,134777E+21	6,021150E+21	6,020975E+21	8,134273E+21	1,178144E+22
-2053	1,592072E+22	1,944267E+22	2,146789E+22	2,146767E+22	1,944230E+22	1,592071E+22	1,178170E+22	8,134505E+21	6,021105E+21	6,021166E+21	8,134751E+21	1,178211E+22
-2052	1,592108E+22	1,944249E+22	2,146748E+22	2,146718E+22	1,944194E+22	1,592059E+22	1,178170E+22	8,134488E+21	6,021091E+21	6,021145E+21	8,134530E+21	1,178146E+22
-2051	1,592000E+22	1,944123E+22	2,146682E+22	2,146739E+22	1,944244E+22	1,592111E+22	1,178226E+22	8,135048E+21	6,021519E+21	6,021395E+21	8,134695E+21	1,178180E+22
-2050	1,592083E+22	1,944225E+22	2,146721E+22	2,146722E+22	1,944209E+22	1,592064E+22	1,178174E+22	8,134744E+21	6,021558E+21	6,021753E+21	8,135296E+21	1,178232E+22
-2049	1,592077E+22	1,944159E+22	2,146618E+22	2,146626E+22	1,944170E+22	1,592081E+22	1,178218E+22	8,135144E+21	6,021807E+21	6,021775E+21	8,134976E+21	1,178175E+22
-2048	1,592022E+22	1,944134E+22	2,146635E+22	2,146633E+22	1,944154E+22	1,592073E+22	1,178238E+22	8,135574E+21	6,022294E+21	6,022224E+21	8,135436E+21	1,178242E+22
-2047	1,592116E+22	1,944214E+22	2,146671E+22	2,146622E+22	1,944095E+22	1,591999E+22	1,178184E+22	8,135391E+21	6,022430E+21	6,022572E+21	8,135761E+21	1,178228E+22
-2046	1,592031E+22	1,944085E+22	2,146558E+22	2,146595E+22	1,944141E+22	1,592064E+22	1,178245E+22	8,135894E+21	6,022776E+21	6,022684E+21	8,135597E+21	1,178193E+22
-2045	1,592012E+22	1,944126E+22	2,146627E+22	2,146627E+22	1,944140E+22	1,592049E+22	1,178228E+22	8,135841E+21	6,022905E+21	6,022992E+21	8,136183E+21	1,178286E+22
-2044	1,592095E+22	1,944146E+22	2,146593E+22	2,146568E+22	1,944089E+22	1,592024E+22	1,178217E+22	8,135736E+21	6,022834E+21	6,022977E+21	8,136022E+21	1,178227E+22
-2043	1,591997E+22	1,944026E+22	2,146505E+22	2,146561E+22	1,944133E+22	1,592087E+22	1,178285E+22	8,136297E+21	6,023103E+21	6,022920E+21	8,135777E+21	1,178217E+22
-2042	1,592050E+22	1,944152E+22	2,146609E+22	2,146590E+22	1,944117E+22	1,592044E+22	1,178230E+22	8,135883E+21	6,022938E+21	6,023010E+21	8,136139E+21	1,178267E+22
-2041	1,592065E+22	1,944118E+22	2,146562E+22	2,146548E+22	1,944093E+22	1,592043E+22	1,178239E+22	8,135866E+21	6,022779E+21	6,022712E+21	8,135590E+21	1,178187E+22
-2040	1,591985E+22	1,944060E+22	2,146566E+22	2,146598E+22	1,944134E+22	1,592064E+22	1,178253E+22	8,135966E+21	6,022776E+21	6,022651E+21	8,135676E+21	1,178235E+22
-2039	1,592086E+22	1,944184E+22	2,146649E+22	2,146630E+22	1,944119E+22	1,592010E+22	1,178181E+22	8,135297E+21	6,022322E+21	6,022489E+21	8,135799E+21	1,178245E+22
-2038	1,592046E+22	1,944102E+22	2,146567E+22	2,146602E+22	1,944159E+22	1,592075E+22	1,178227E+22	8,135380E+21	6,022080E+21	6,021997E+21	8,135121E+21	1,178181E+22
-2037	1,592024E+22	1,944153E+22	2,146668E+22	2,146666E+22	1,944174E+22	1,592069E+22	1,178213E+22	8,135217E+21	6,021908E+21	6,021877E+21	8,135243E+21	1,178246E+22
-2036	1,592132E+22	1,944239E+22	2,146706E+22	2,146663E+22	1,944137E+22	1,592024E+22	1,178171E+22	8,134821E+21	6,021620E+21	6,021730E+21	8,135030E+21	1,178180E+22
-2035	1,592025E+22	1,944119E+22	2,146619E+22	2,146665E+22	1,944194E+22	1,592089E+22	1,178231E+22	8,135281E+21	6,021816E+21	6,021634E+21	8,134744E+21	1,178152E+22
-2034	1,592032E+22	1,944203E+22	2,146718E+22	2,146715E+22	1,944207E+22	1,592067E+22	1,178187E+22	8,134982E+21	6,021786E+21	6,021863E+21	8,135285E+21	1,178232E+22
-2033	1,592078E+22	1,944177E+22	2,146661E+22	2,146653E+22	1,944164E+22	1,592057E+22	1,178193E+22	8,134988E+21	6,021773E+21	6,021834E+21	8,135061E+21	1,178179E+22
-2032	1,592004E+22	1,944077E+22	2,146585E+22	2,146635E+22	1,944174E+22	1,592086E+22	1,178242E+22	8,135516E+21	6,022167E+21	6,022067E+21	8,135247E+21	1,178214E+22
-2031	1,592088E+22	1,944200E+22	2,146659E+22	2,146637E+22	1,944130E+22	1,592023E+22	1,178188E+22	8,135277E+21	6,022230E+21	6,022377E+21	8,135726E+21	1,178250E+22
-2030	1,592067E+22	1,944126E+22	2,146565E+22	2,146562E+22	1,944112E+22	1,592051E+22	1,178233E+22	8,135683E+21	6,022539E+21	6,022490E+21	8,135466E+21	1,178186E+22
-2029	1,591995E+22	1,944099E+22	2,146605E+22	2,146598E+22	1,944113E+22	1,592045E+22	1,178244E+22	8,136017E+21	6,022962E+21	6,022903E+21	8,135924E+21	1,178256E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2028	1,592091E+22	1,944169E+22	2,146623E+22	2,146588E+22	1,944077E+22	1,591994E+22	1,178198E+22	8,135778E+21	6,023041E+21	6,023258E+21	8,136301E+21	1,178245E+22
-2027	1,592004E+22	1,944024E+22	2,146477E+22	2,146525E+22	1,944104E+22	1,592062E+22	1,178274E+22	8,136419E+21	6,023442E+21	6,023354E+21	8,136125E+21	1,178217E+22
-2026	1,591994E+22	1,944070E+22	2,146546E+22	2,146558E+22	1,944109E+22	1,592052E+22	1,178259E+22	8,136388E+21	6,023558E+21	6,023592E+21	8,136585E+21	1,178300E+22
-2025	1,592079E+22	1,944098E+22	2,146520E+22	2,146500E+22	1,944051E+22	1,592021E+22	1,178249E+22	8,136318E+21	6,023519E+21	6,023575E+21	8,136375E+21	1,178239E+22
-2024	1,591991E+22	1,943997E+22	2,146442E+22	2,146476E+22	1,944062E+22	1,592055E+22	1,178299E+22	8,136783E+21	6,023760E+21	6,023568E+21	8,136240E+21	1,178230E+22
-2023	1,592028E+22	1,944113E+22	2,146565E+22	2,146537E+22	1,944055E+22	1,592000E+22	1,178234E+22	8,136321E+21	6,023546E+21	6,023614E+21	8,136585E+21	1,178282E+22
-2022	1,592039E+22	1,944063E+22	2,146502E+22	2,146502E+22	1,944062E+22	1,592025E+22	1,178244E+22	8,136209E+21	6,023332E+21	6,023324E+21	8,136105E+21	1,178212E+22
-2021	1,591969E+22	1,944021E+22	2,146523E+22	2,146552E+22	1,944100E+22	1,592046E+22	1,178255E+22	8,136198E+21	6,023177E+21	6,023097E+21	8,136054E+21	1,178260E+22
-2020	1,592090E+22	1,944159E+22	2,146602E+22	2,146584E+22	1,944092E+22	1,592004E+22	1,178192E+22	8,135544E+21	6,022692E+21	6,022896E+21	8,136096E+21	1,178255E+22
-2019	1,592041E+22	1,944078E+22	2,146515E+22	2,146538E+22	1,944113E+22	1,592062E+22	1,178247E+22	8,135801E+21	6,022588E+21	6,022455E+21	8,135401E+21	1,178185E+22
-2018	1,592003E+22	1,944123E+22	2,146628E+22	2,146624E+22	1,944146E+22	1,592061E+22	1,178231E+22	8,135668E+21	6,022486E+21	6,022395E+21	8,135523E+21	1,178242E+22
-2017	1,592096E+22	1,944186E+22	2,146658E+22	2,146633E+22	1,944122E+22	1,592021E+22	1,178190E+22	8,135298E+21	6,022256E+21	6,022337E+21	8,135430E+21	1,178191E+22
-2016	1,592004E+22	1,944067E+22	2,146545E+22	2,146593E+22	1,944149E+22	1,592072E+22	1,178243E+22	8,135694E+21	6,022435E+21	6,022311E+21	8,135317E+21	1,178181E+22
-2015	1,592013E+22	1,944148E+22	2,146648E+22	2,146644E+22	1,944152E+22	1,592044E+22	1,178205E+22	8,135453E+21	6,022390E+21	6,022478E+21	8,135782E+21	1,178261E+22
-2014	1,592071E+22	1,944125E+22	2,146580E+22	2,146576E+22	1,944116E+22	1,592044E+22	1,178215E+22	8,135492E+21	6,022430E+21	6,022495E+21	8,135569E+21	1,178204E+22
-2013	1,591998E+22	1,944053E+22	2,146538E+22	2,146563E+22	1,944113E+22	1,592057E+22	1,178253E+22	8,135971E+21	6,022797E+21	6,022674E+21	8,135662E+21	1,178230E+22
-2012	1,592082E+22	1,944179E+22	2,146624E+22	2,146585E+22	1,944080E+22	1,591998E+22	1,178200E+22	8,135721E+21	6,022895E+21	6,023072E+21	8,136200E+21	1,178258E+22
-2011	1,592039E+22	1,944078E+22	2,146508E+22	2,146503E+22	1,944062E+22	1,592026E+22	1,178248E+22	8,136226E+21	6,023299E+21	6,023260E+21	8,136038E+21	1,178203E+22
-2010	1,591962E+22	1,944036E+22	2,146534E+22	2,146549E+22	1,944095E+22	1,592043E+22	1,178263E+22	8,136520E+21	6,023682E+21	6,023634E+21	8,136468E+21	1,178277E+22
-2009	1,592067E+22	1,944102E+22	2,146543E+22	2,146528E+22	1,944055E+22	1,592001E+22	1,178229E+22	8,136324E+21	6,023737E+21	6,023931E+21	8,136792E+21	1,178272E+22
-2008	1,592001E+22	1,943977E+22	2,146388E+22	2,146426E+22	1,944041E+22	1,592046E+22	1,178299E+22	8,136947E+21	6,024110E+21	6,024010E+21	8,136617E+21	1,178240E+22
-2007	1,591985E+22	1,944035E+22	2,146489E+22	2,146481E+22	1,944039E+22	1,592022E+22	1,178281E+22	8,136951E+21	6,024222E+21	6,024192E+21	8,136958E+21	1,178308E+22
-2006	1,592058E+22	1,944054E+22	2,146464E+22	2,146440E+22	1,943999E+22	1,591996E+22	1,178263E+22	8,136814E+21	6,024196E+21	6,024241E+21	8,136827E+21	1,178245E+22
-2005	1,591960E+22	1,943956E+22	2,146406E+22	2,146433E+22	1,944021E+22	1,592025E+22	1,178297E+22	8,137108E+21	6,024301E+21	6,024145E+21	8,136688E+21	1,178249E+22
-2004	1,592013E+22	1,944073E+22	2,146520E+22	2,146499E+22	1,944032E+22	1,591989E+22	1,178236E+22	8,136550E+21	6,023989E+21	6,024154E+21	8,137041E+21	1,178303E+22
-2003	1,592026E+22	1,944015E+22	2,146436E+22	2,146439E+22	1,944023E+22	1,592015E+22	1,178260E+22	8,136558E+21	6,023798E+21	6,023814E+21	8,136520E+21	1,178237E+22
-2002	1,591966E+22	1,943985E+22	2,146464E+22	2,146502E+22	1,944079E+22	1,592046E+22	1,178273E+22	8,136564E+21	6,023639E+21	6,023522E+21	8,136322E+21	1,178269E+22
-2001	1,592083E+22	1,944132E+22	2,146556E+22	2,146534E+22	1,944065E+22	1,592005E+22	1,178217E+22	8,135996E+21	6,023226E+21	6,023348E+21	8,136333E+21	1,178259E+22
-2000	1,592032E+22	1,944055E+22	2,146471E+22	2,146472E+22	1,944056E+22	1,592037E+22	1,178259E+22	8,136231E+21	6,023171E+21	6,023033E+21	8,135802E+21	1,178193E+22
-1999	1,591975E+22	1,944076E+22	2,146585E+22	2,146581E+22	1,944100E+22	1,592032E+22	1,178242E+22	8,136118E+21	6,023088E+21	6,022998E+21	8,135954E+21	1,178253E+22
-1998	1,592064E+22	1,944119E+22	2,146587E+22	2,146579E+22	1,944094E+22	1,592013E+22	1,178205E+22	8,135714E+21	6,022873E+21	6,023005E+21	8,135979E+21	1,178216E+22
-1997	1,591987E+22	1,944020E+22	2,146485E+22	2,146524E+22	1,944101E+22	1,592055E+22	1,178253E+22	8,136051E+21	6,022963E+21	6,022878E+21	8,135793E+21	1,178211E+22
-1996	1,592019E+22	1,944115E+22	2,146587E+22	2,146572E+22	1,944102E+22	1,592028E+22	1,178221E+22	8,135837E+21	6,022942E+21	6,023060E+21	8,136197E+21	1,178276E+22
-1995	1,592065E+22	1,944094E+22	2,146519E+22	2,146495E+22	1,944050E+22	1,592018E+22	1,178235E+22	8,136035E+21	6,023123E+21	6,023156E+21	8,136017E+21	1,178216E+22
-1994	1,591980E+22	1,944015E+22	2,146491E+22	2,146516E+22	1,944077E+22	1,592038E+22	1,178267E+22	8,136490E+21	6,023526E+21	6,023374E+21	8,136102E+21	1,178235E+22
-1993	1,592050E+22	1,944123E+22	2,146569E+22	2,146547E+22	1,944061E+22	1,591994E+22	1,178221E+22	8,136267E+21	6,023648E+21	6,023808E+21	8,136724E+21	1,178278E+22

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1992	1,592020E+22	1,944023E+22	2,146434E+22	2,146431E+22	1,944018E+22	1,592013E+22	1,178266E+22	8,136724E+21	6,024017E+21	6,024030E+21	8,136675E+21	1,178235E+22
-1991	1,591945E+22	1,943974E+22	2,146459E+22	2,146477E+22	1,944042E+22	1,592028E+22	1,178291E+22	8,137079E+21	6,024360E+21	6,024301E+21	8,136964E+21	1,178299E+22
-1990	1,592052E+22	1,944044E+22	2,146459E+22	2,146451E+22	1,944011E+22	1,591995E+22	1,178259E+22	8,136898E+21	6,024448E+21	6,024620E+21	8,137288E+21	1,178289E+22
-1989	1,591988E+22	1,943949E+22	2,146339E+22	2,146348E+22	1,943975E+22	1,592020E+22	1,178314E+22	8,137423E+21	6,024748E+21	6,024628E+21	8,137039E+21	1,178253E+22
-1988	1,591970E+22	1,943997E+22	2,146443E+22	2,146424E+22	1,943986E+22	1,591995E+22	1,178289E+22	8,137353E+21	6,024846E+21	6,024854E+21	8,137411E+21	1,178314E+22
-1987	1,592028E+22	1,943998E+22	2,146400E+22	2,146380E+22	1,943952E+22	1,591970E+22	1,178271E+22	8,137245E+21	6,024832E+21	6,024913E+21	8,137375E+21	1,178269E+22
-1986	1,591941E+22	1,943899E+22	2,146336E+22	2,146386E+22	1,944000E+22	1,592016E+22	1,178303E+22	8,137433E+21	6,024824E+21	6,024700E+21	8,137130E+21	1,178272E+22
-1985	1,592006E+22	1,944027E+22	2,146455E+22	2,146446E+22	1,944008E+22	1,591992E+22	1,178258E+22	8,136924E+21	6,024463E+21	6,024606E+21	8,137388E+21	1,178327E+22
-1984	1,592037E+22	1,943994E+22	2,146379E+22	2,146362E+22	1,943965E+22	1,591996E+22	1,178274E+22	8,136927E+21	6,024268E+21	6,024266E+21	8,136847E+21	1,178250E+22
-1983	1,591962E+22	1,943967E+22	2,146434E+22	2,146450E+22	1,944022E+22	1,592022E+22	1,178291E+22	8,137000E+21	6,024140E+21	6,023960E+21	8,136548E+21	1,178263E+22
-1982	1,592057E+22	1,944095E+22	2,146520E+22	2,146500E+22	1,944036E+22	1,591993E+22	1,178233E+22	8,136424E+21	6,023803E+21	6,023916E+21	8,136693E+21	1,178255E+22
-1981	1,591997E+22	1,944016E+22	2,146440E+22	2,146436E+22	1,944026E+22	1,592021E+22	1,178265E+22	8,136552E+21	6,023681E+21	6,023584E+21	8,136233E+21	1,178208E+22
-1980	1,591956E+22	1,944022E+22	2,146529E+22	2,146536E+22	1,944076E+22	1,592028E+22	1,178253E+22	8,136424E+21	6,023597E+21	6,023585E+21	8,136426E+21	1,178270E+22
-1979	1,592046E+22	1,944060E+22	2,146507E+22	2,146505E+22	1,944047E+22	1,592002E+22	1,178228E+22	8,136179E+21	6,023461E+21	6,023607E+21	8,136482E+21	1,178245E+22
-1978	1,591983E+22	1,943975E+22	2,146412E+22	2,146459E+22	1,944064E+22	1,592043E+22	1,178272E+22	8,136525E+21	6,023579E+21	6,023461E+21	8,136191E+21	1,178227E+22
-1977	1,592015E+22	1,944085E+22	2,146533E+22	2,146508E+22	1,944054E+22	1,592016E+22	1,178246E+22	8,136391E+21	6,023635E+21	6,023692E+21	8,136617E+21	1,178290E+22
-1976	1,592054E+22	1,944061E+22	2,146467E+22	2,146423E+22	1,943980E+22	1,591981E+22	1,178245E+22	8,136546E+21	6,023861E+21	6,023915E+21	8,136592E+21	1,178234E+22
-1975	1,591955E+22	1,943963E+22	2,146440E+22	2,146466E+22	1,944027E+22	1,592011E+22	1,178280E+22	8,137000E+21	6,024243E+21	6,024120E+21	8,136665E+21	1,178253E+22
-1974	1,592023E+22	1,944055E+22	2,146489E+22	2,146485E+22	1,944031E+22	1,591990E+22	1,178242E+22	8,136762E+21	6,024363E+21	6,024570E+21	8,137328E+21	1,178302E+22
-1973	1,592003E+22	1,943973E+22	2,146366E+22	2,146355E+22	1,943967E+22	1,592000E+22	1,178285E+22	8,137175E+21	6,024637E+21	6,024667E+21	8,137179E+21	1,178263E+22
-1972	1,591945E+22	1,943933E+22	2,146390E+22	2,146404E+22	1,943992E+22	1,592014E+22	1,178311E+22	8,137549E+21	6,025001E+21	6,024941E+21	8,137386E+21	1,178306E+22
-1971	1,592032E+22	1,943999E+22	2,146391E+22	2,146369E+22	1,943944E+22	1,591971E+22	1,178283E+22	8,137482E+21	6,025172E+21	6,025301E+21	8,137753E+21	1,178299E+22
-1970	1,591963E+22	1,943897E+22	2,146281E+22	2,146300E+22	1,943937E+22	1,591998E+22	1,178326E+22	8,137908E+21	6,025432E+21	6,025294E+21	8,137486E+21	1,178261E+22
-1969	1,591944E+22	1,943945E+22	2,146382E+22	2,146376E+22	1,943958E+22	1,591987E+22	1,178306E+22	8,137806E+21	6,025473E+21	6,025479E+21	8,137899E+21	1,178336E+22
-1968	1,592017E+22	1,943952E+22	2,146332E+22	2,146308E+22	1,943901E+22	1,591951E+22	1,178282E+22	8,137615E+21	6,025383E+21	6,025516E+21	8,137904E+21	1,178300E+22
-1967	1,591938E+22	1,943860E+22	2,146282E+22	2,146329E+22	1,943952E+22	1,591999E+22	1,178322E+22	8,137826E+21	6,025305E+21	6,025172E+21	8,137479E+21	1,178289E+22
-1966	1,592003E+22	1,943994E+22	2,146398E+22	2,146391E+22	1,943975E+22	1,591987E+22	1,178279E+22	8,137349E+21	6,024989E+21	6,025097E+21	8,137705E+21	1,178331E+22
-1965	1,592025E+22	1,943984E+22	2,146359E+22	2,146315E+22	1,943917E+22	1,591974E+22	1,178285E+22	8,137287E+21	6,024752E+21	6,024726E+21	8,137138E+21	1,178254E+22
-1964	1,591944E+22	1,943935E+22	2,146405E+22	2,146421E+22	1,943990E+22	1,592003E+22	1,178298E+22	8,137342E+21	6,024672E+21	6,024518E+21	8,136907E+21	1,178258E+22
-1963	1,592016E+22	1,944033E+22	2,146461E+22	2,146455E+22	1,944005E+22	1,591980E+22	1,178247E+22	8,136844E+21	6,024393E+21	6,024536E+21	8,137201E+21	1,178275E+22
-1962	1,591972E+22	1,943949E+22	2,146363E+22	2,146388E+22	1,944007E+22	1,592017E+22	1,178279E+22	8,136920E+21	6,024223E+21	6,024157E+21	8,136697E+21	1,178232E+22
-1961	1,591948E+22	1,943971E+22	2,146448E+22	2,146467E+22	1,944040E+22	1,592029E+22	1,178281E+22	8,136882E+21	6,024151E+21	6,024116E+21	8,136857E+21	1,178298E+22
-1960	1,592054E+22	1,944032E+22	2,146437E+22	2,146414E+22	1,943974E+22	1,591974E+22	1,178243E+22	8,136645E+21	6,024072E+21	6,024207E+21	8,136949E+21	1,178268E+22
-1959	1,591982E+22	1,943951E+22	2,146369E+22	2,146394E+22	1,943992E+22	1,592007E+22	1,178286E+22	8,137011E+21	6,024213E+21	6,024066E+21	8,136578E+21	1,178232E+22
-1958	1,591993E+22	1,944044E+22	2,146485E+22	2,146465E+22	1,944016E+22	1,591996E+22	1,178259E+22	8,136877E+21	6,024337E+21	6,024411E+21	8,137130E+21	1,178298E+22
-1957	1,592027E+22	1,944024E+22	2,146428E+22	2,146378E+22	1,943942E+22	1,591961E+22	1,178251E+22	8,136928E+21	6,024477E+21	6,024587E+21	8,137140E+21	1,178258E+22

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	1,591937E+22	1,943908E+22	2,146375E+22	2,146412E+22	1,943995E+22	1,592006E+22	1,178298E+22	8,137413E+21	6,024872E+21	6,024804E+21	8,137181E+21	1,178269E+22
-1955	1,591999E+22	1,943991E+22	2,146404E+22	2,146408E+22	1,943986E+22	1,591986E+22	1,178275E+22	8,137348E+21	6,025067E+21	6,025254E+21	8,137850E+21	1,178326E+22
-1954	1,591992E+22	1,943919E+22	2,146283E+22	2,146284E+22	1,943926E+22	1,591991E+22	1,178313E+22	8,137760E+21	6,025358E+21	6,025327E+21	8,137600E+21	1,178273E+22
-1953	1,591931E+22	1,943890E+22	2,146321E+22	2,146331E+22	1,943938E+22	1,592002E+22	1,178342E+22	8,138173E+21	6,025754E+21	6,025624E+21	8,137854E+21	1,178319E+22
-1952	1,592010E+22	1,943952E+22	2,146326E+22	2,146293E+22	1,943871E+22	1,591931E+22	1,178293E+22	8,138008E+21	6,025921E+21	6,026067E+21	8,138358E+21	1,178323E+22
-1951	1,591940E+22	1,943842E+22	2,146220E+22	2,146242E+22	1,943881E+22	1,591967E+22	1,178334E+22	8,138340E+21	6,026069E+21	6,025972E+21	8,138030E+21	1,178285E+22
-1950	1,591927E+22	1,943890E+22	2,146310E+22	2,146317E+22	1,943923E+22	1,591977E+22	1,178320E+22	8,138196E+21	6,026052E+21	6,026107E+21	8,138417E+21	1,178361E+22
-1949	1,592013E+22	1,943929E+22	2,146284E+22	2,146247E+22	1,943853E+22	1,591932E+22	1,178291E+22	8,137928E+21	6,025831E+21	6,025977E+21	8,138269E+21	1,178322E+22
-1948	1,591945E+22	1,943844E+22	2,146243E+22	2,146281E+22	1,943914E+22	1,591985E+22	1,178333E+22	8,138165E+21	6,025782E+21	6,025629E+21	8,137730E+21	1,178284E+22
-1947	1,591979E+22	1,943963E+22	2,146358E+22	2,146344E+22	1,943935E+22	1,591973E+22	1,178299E+22	8,137811E+21	6,025552E+21	6,025610E+21	8,138021E+21	1,178331E+22
-1946	1,591993E+22	1,943932E+22	2,146313E+22	2,146297E+22	1,943906E+22	1,591965E+22	1,178298E+22	8,137685E+21	6,025303E+21	6,025259E+21	8,137486E+21	1,178257E+22
-1945	1,591915E+22	1,943880E+22	2,146342E+22	2,146382E+22	1,943976E+22	1,592008E+22	1,178320E+22	8,137758E+21	6,025210E+21	6,025061E+21	8,137369E+21	1,178280E+22
-1944	1,591995E+22	1,943974E+22	2,146380E+22	2,146380E+22	1,943954E+22	1,591964E+22	1,178262E+22	8,137236E+21	6,024931E+21	6,025114E+21	8,137728E+21	1,178309E+22
-1943	1,591970E+22	1,943907E+22	2,146295E+22	2,146316E+22	1,943947E+22	1,591997E+22	1,178298E+22	8,137342E+21	6,024746E+21	6,024680E+21	8,137107E+21	1,178255E+22
-1942	1,591951E+22	1,943944E+22	2,146384E+22	2,146393E+22	1,943985E+22	1,592009E+22	1,178298E+22	8,137342E+21	6,024756E+21	6,024703E+21	8,137261E+21	1,178308E+22
-1941	1,592046E+22	1,944025E+22	2,146407E+22	2,146352E+22	1,943908E+22	1,591938E+22	1,178248E+22	8,137038E+21	6,024651E+21	6,024788E+21	8,137362E+21	1,178281E+22
-1940	1,591969E+22	1,943922E+22	2,146336E+22	2,146362E+22	1,943954E+22	1,591979E+22	1,178287E+22	8,137389E+21	6,024848E+21	6,024737E+21	8,137039E+21	1,178237E+22
-1939	1,591955E+22	1,943981E+22	2,146418E+22	2,146415E+22	1,943984E+22	1,591984E+22	1,178276E+22	8,137362E+21	6,025020E+21	6,025118E+21	8,137696E+21	1,178322E+22
-1938	1,592002E+22	1,943953E+22	2,146347E+22	2,146331E+22	1,943922E+22	1,591961E+22	1,178275E+22	8,137416E+21	6,025132E+21	6,025245E+21	8,137634E+21	1,178280E+22
-1937	1,591927E+22	1,943855E+22	2,146289E+22	2,146336E+22	1,943955E+22	1,592010E+22	1,178337E+22	8,138024E+21	6,025566E+21	6,025440E+21	8,137659E+21	1,178290E+22
-1936	1,591984E+22	1,943946E+22	2,146323E+22	2,146311E+22	1,943909E+22	1,591959E+22	1,178301E+22	8,137972E+21	6,025839E+21	6,025978E+21	8,138361E+21	1,178343E+22
-1935	1,591974E+22	1,943878E+22	2,146225E+22	2,146211E+22	1,943852E+22	1,591958E+22	1,178334E+22	8,138352E+21	6,026125E+21	6,026064E+21	8,138087E+21	1,178282E+22
-1934	1,591902E+22	1,943837E+22	2,146254E+22	2,146272E+22	1,943892E+22	1,591978E+22	1,178355E+22	8,138699E+21	6,026517E+21	6,026412E+21	8,138439E+21	1,178334E+22
-1933	1,591985E+22	1,943913E+22	2,146272E+22	2,146234E+22	1,943825E+22	1,591905E+22	1,178296E+22	8,138367E+21	6,026516E+21	6,026728E+21	8,138931E+21	1,178357E+22
-1932	1,591935E+22	1,943801E+22	2,146162E+22	2,146192E+22	1,943847E+22	1,591952E+22	1,178341E+22	8,138666E+21	6,026606E+21	6,026555E+21	8,138480E+21	1,178305E+22
-1931	1,591915E+22	1,943845E+22	2,146244E+22	2,146257E+22	1,943886E+22	1,591970E+22	1,178344E+22	8,138651E+21	6,026604E+21	6,026633E+21	8,138817E+21	1,178381E+22
-1930	1,592009E+22	1,943894E+22	2,146232E+22	2,146206E+22	1,943828E+22	1,591927E+22	1,178313E+22	8,138368E+21	6,026370E+21	6,026455E+21	8,138538E+21	1,178323E+22
-1929	1,591928E+22	1,943816E+22	2,146200E+22	2,146237E+22	1,943882E+22	1,591982E+22	1,178361E+22	8,138661E+21	6,026354E+21	6,026141E+21	8,138071E+21	1,178287E+22
-1928	1,591945E+22	1,943914E+22	2,146304E+22	2,146291E+22	1,943888E+22	1,591948E+22	1,178310E+22	8,138249E+21	6,026160E+21	6,026224E+21	8,138498E+21	1,178347E+22
-1927	1,591966E+22	1,943875E+22	2,146247E+22	2,146240E+22	1,943863E+22	1,591948E+22	1,178310E+22	8,138051E+21	6,025837E+21	6,025826E+21	8,137944E+21	1,178278E+22
-1926	1,591899E+22	1,943824E+22	2,146258E+22	2,146311E+22	1,943938E+22	1,591999E+22	1,178337E+22	8,138132E+21	6,025735E+21	6,025621E+21	8,137834E+21	1,178305E+22
-1925	1,591996E+22	1,943956E+22	2,146325E+22	2,146306E+22	1,943892E+22	1,591936E+22	1,178269E+22	8,137551E+21	6,025378E+21	6,025571E+21	8,138105E+21	1,178335E+22
-1924	1,591980E+22	1,943897E+22	2,146257E+22	2,146259E+22	1,943893E+22	1,591966E+22	1,178300E+22	8,137679E+21	6,025265E+21	6,025179E+21	8,137400E+21	1,178255E+22
-1923	1,591929E+22	1,943917E+22	2,146348E+22	2,146347E+22	1,943939E+22	1,591984E+22	1,178311E+22	8,137796E+21	6,025370E+21	6,025294E+21	8,137657E+21	1,178315E+22
-1922	1,592018E+22	1,943977E+22	2,146364E+22	2,146335E+22	1,943895E+22	1,591925E+22	1,178259E+22	8,137458E+21	6,025266E+21	6,025401E+21	8,137773E+21	1,178288E+22
-1921	1,591941E+22	1,943870E+22	2,146273E+22	2,146319E+22	1,943939E+22	1,591987E+22	1,178316E+22	8,137889E+21	6,025484E+21	6,025375E+21	8,137562E+21	1,178259E+22

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°
-1920	1,591926E+22	1,943915E+22	2,146334E+22	2,146339E+22	1,943936E+22	1,591974E+22	1,178303E+22	8,137914E+21	6,025723E+21	6,025818E+21	8,138255E+21	1,178351E+22
-1919	1,591990E+22	1,943897E+22	2,146263E+22	2,146248E+22	1,943865E+22	1,591949E+22	1,178308E+22	8,138014E+21	6,025857E+21	6,025935E+21	8,138123E+21	1,178299E+22
-1918	1,591915E+22	1,943812E+22	2,146206E+22	2,146247E+22	1,943895E+22	1,591994E+22	1,178366E+22	8,138660E+21	6,026370E+21	6,026213E+21	8,138190E+21	1,178302E+22
-1917	1,591964E+22	1,943917E+22	2,146271E+22	2,146235E+22	1,943833E+22	1,591919E+22	1,178311E+22	8,138483E+21	6,026577E+21	6,026729E+21	8,138926E+21	1,178365E+22
-1916	1,591956E+22	1,943834E+22	2,146172E+22	2,146159E+22	1,943802E+22	1,591921E+22	1,178332E+22	8,138777E+21	6,026851E+21	6,026836E+21	8,138662E+21	1,178300E+22
-1915	1,591873E+22	1,943775E+22	2,146180E+22	2,146209E+22	1,943852E+22	1,591960E+22	1,178366E+22	8,139139E+21	6,027184E+21	6,027129E+21	8,139047E+21	1,178368E+22
-1914	1,591974E+22	1,943854E+22	2,146198E+22	2,146186E+22	1,943801E+22	1,591900E+22	1,178313E+22	8,138772E+21	6,027078E+21	6,027295E+21	8,139360E+21	1,178381E+22
-1913	1,591938E+22	1,943773E+22	2,146101E+22	2,146131E+22	1,943815E+22	1,591955E+22	1,178372E+22	8,139153E+21	6,027148E+21	6,027045E+21	8,138843E+21	1,178321E+22
-1912	1,591904E+22	1,943814E+22	2,146188E+22	2,146184E+22	1,943826E+22	1,591948E+22	1,178364E+22	8,139152E+21	6,027210E+21	6,027172E+21	8,139148E+21	1,178387E+22
-1911	1,591988E+22	1,943858E+22	2,146191E+22	2,146158E+22	1,943783E+22	1,591908E+22	1,178332E+22	8,138828E+21	6,026962E+21	6,027011E+21	8,138871E+21	1,178322E+22
-1910	1,591896E+22	1,943769E+22	2,146142E+22	2,146189E+22	1,943853E+22	1,591971E+22	1,178375E+22	8,139080E+21	6,026951E+21	6,026759E+21	8,138516E+21	1,178294E+22
-1909	1,591914E+22	1,943870E+22	2,146246E+22	2,146231E+22	1,943847E+22	1,591929E+22	1,178315E+22	8,138538E+21	6,026629E+21	6,026748E+21	8,138953E+21	1,178375E+22
-1908	1,591960E+22	1,943835E+22	2,146189E+22	2,146186E+22	1,943826E+22	1,591929E+22	1,178313E+22	8,138345E+21	6,026310E+21	6,026322E+21	8,138320E+21	1,178297E+22
-1907	1,591892E+22	1,943787E+22	2,146193E+22	2,146243E+22	1,943891E+22	1,591982E+22	1,178352E+22	8,138539E+21	6,026251E+21	6,026114E+21	8,138205E+21	1,178326E+22
-1906	1,591994E+22	1,943928E+22	2,146281E+22	2,146262E+22	1,943857E+22	1,591919E+22	1,178283E+22	8,137962E+21	6,025913E+21	6,026058E+21	8,138388E+21	1,178340E+22
-1905	1,591968E+22	1,943877E+22	2,146226E+22	2,146221E+22	1,943858E+22	1,591952E+22	1,178319E+22	8,138146E+21	6,025853E+21	6,025745E+21	8,137809E+21	1,178263E+22
-1904	1,591894E+22	1,943865E+22	2,146295E+22	2,146298E+22	1,943897E+22	1,591959E+22	1,178320E+22	8,138254E+21	6,026038E+21	6,025979E+21	8,138182E+21	1,178335E+22
-1903	1,591991E+22	1,943915E+22	2,146294E+22	2,146277E+22	1,943863E+22	1,591920E+22	1,178279E+22	8,137906E+21	6,025913E+21	6,026081E+21	8,138298E+21	1,178311E+22
-1902	1,591922E+22	1,943810E+22	2,146183E+22	2,146240E+22	1,943901E+22	1,591986E+22	1,178345E+22	8,138430E+21	6,026186E+21	6,026089E+21	8,138102E+21	1,178282E+22
-1901	1,591917E+22	1,943879E+22	2,146260E+22	2,146250E+22	1,943871E+22	1,591951E+22	1,178323E+22	8,138428E+21	6,026393E+21	6,026474E+21	8,138740E+21	1,178376E+22
-1900	1,591986E+22	1,943867E+22	2,146205E+22	2,146175E+22	1,943802E+22	1,591916E+22	1,178318E+22	8,138539E+21	6,026603E+21	6,026646E+21	8,138572E+21	1,178306E+22
-1899	1,591886E+22	1,943763E+22	2,146145E+22	2,146181E+22	1,943838E+22	1,591964E+22	1,178381E+22	8,139223E+21	6,027143E+21	6,026982E+21	8,138758E+21	1,178323E+22
-1898	1,591939E+22	1,943855E+22	2,146210E+22	2,146195E+22	1,943804E+22	1,591900E+22	1,178321E+22	8,138947E+21	6,027268E+21	6,027441E+21	8,139460E+21	1,178387E+22
-1897	1,591939E+22	1,943785E+22	2,146106E+22	2,146102E+22	1,943772E+22	1,591919E+22	1,178355E+22	8,139246E+21	6,027470E+21	6,027487E+21	8,139227E+21	1,178330E+22
-1896	1,591857E+22	1,943721E+22	2,146105E+22	2,146136E+22	1,943802E+22	1,591944E+22	1,178386E+22	8,139625E+21	6,027821E+21	6,027762E+21	8,139544E+21	1,178397E+22
-1895	1,591974E+22	1,943817E+22	2,146131E+22	2,146112E+22	1,943754E+22	1,591892E+22	1,178340E+22	8,139270E+21	6,027692E+21	6,027862E+21	8,139713E+21	1,178389E+22
-1894	1,591926E+22	1,943743E+22	2,146043E+22	2,146062E+22	1,943769E+22	1,591945E+22	1,178398E+22	8,139693E+21	6,027815E+21	6,027662E+21	8,139208E+21	1,178320E+22
-1893	1,591877E+22	1,943786E+22	2,146152E+22	2,146132E+22	1,943772E+22	1,591917E+22	1,178372E+22	8,139566E+21	6,027800E+21	6,027761E+21	8,139554E+21	1,178397E+22
-1892	1,591961E+22	1,943810E+22	2,146143E+22	2,146118E+22	1,943749E+22	1,591881E+22	1,178328E+22	8,139164E+21	6,027535E+21	6,027609E+21	8,139303E+21	1,178332E+22
-1891	1,591864E+22	1,943706E+22	2,146069E+22	2,146127E+22	1,943819E+22	1,591960E+22	1,178386E+22	8,139427E+21	6,027469E+21	6,027323E+21	8,139012E+21	1,178325E+22
-1890	1,591906E+22	1,943814E+22	2,146178E+22	2,146179E+22	1,943817E+22	1,591921E+22	1,178329E+22	8,138862E+21	6,027072E+21	6,027193E+21	8,139286E+21	1,178396E+22
-1889	1,591966E+22	1,943815E+22	2,146139E+22	2,146124E+22	1,943785E+22	1,591922E+22	1,178335E+22	8,138746E+21	6,026770E+21	6,026758E+21	8,138652E+21	1,178311E+22
-1888	1,591882E+22	1,943763E+22	2,146152E+22	2,146182E+22	1,943832E+22	1,591952E+22	1,178361E+22	8,138962E+21	6,026824E+21	6,026650E+21	8,138551E+21	1,178335E+22
-1887	1,591978E+22	1,943895E+22	2,146244E+22	2,146219E+22	1,943819E+22	1,591902E+22	1,178296E+22	8,138378E+21	6,026508E+21	6,026646E+21	8,138763E+21	1,178343E+22
-1886	1,591941E+22	1,943831E+22	2,146173E+22	2,146178E+22	1,943838E+22	1,591948E+22	1,178336E+22	8,138586E+21	6,026490E+21	6,026417E+21	8,138308E+21	1,178277E+22
-1885	1,591869E+22	1,943817E+22	2,146234E+22	2,146238E+22	1,943858E+22	1,591947E+22	1,178333E+22	8,138639E+21	6,026607E+21	6,026596E+21	8,138691E+21	1,178362E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1884	1,591982E+22	1,943866E+22	2,146226E+22	2,146214E+22	1,943823E+22	1,591906E+22	1,178294E+22	8,138362E+21	6,026550E+21	6,026711E+21	8,138754E+21	1,178330E+22
-1883	1,591909E+22	1,943762E+22	2,146105E+22	2,146153E+22	1,943846E+22	1,591974E+22	1,178373E+22	8,139005E+21	6,026900E+21	6,026775E+21	8,138605E+21	1,178305E+22
-1882	1,591904E+22	1,943829E+22	2,146197E+22	2,146186E+22	1,943820E+22	1,591932E+22	1,178345E+22	8,138993E+21	6,027124E+21	6,027161E+21	8,139176E+21	1,178386E+22
-1881	1,591969E+22	1,943830E+22	2,146155E+22	2,146117E+22	1,943752E+22	1,591895E+22	1,178339E+22	8,139112E+21	6,027350E+21	6,027403E+21	8,139164E+21	1,178326E+22
-1880	1,591855E+22	1,943700E+22	2,146073E+22	2,146110E+22	1,943780E+22	1,591930E+22	1,178387E+22	8,139724E+21	6,027904E+21	6,027775E+21	8,139390E+21	1,178354E+22
-1879	1,591922E+22	1,943793E+22	2,146129E+22	2,146119E+22	1,943759E+22	1,591890E+22	1,178340E+22	8,139409E+21	6,027945E+21	6,028152E+21	8,140013E+21	1,178414E+22
-1878	1,591933E+22	1,943740E+22	2,146031E+22	2,146025E+22	1,943727E+22	1,591912E+22	1,178381E+22	8,139759E+21	6,028139E+21	6,028154E+21	8,139705E+21	1,178349E+22
-1877	1,591854E+22	1,943697E+22	2,146048E+22	2,146058E+22	1,943739E+22	1,591920E+22	1,178402E+22	8,140084E+21	6,028423E+21	6,028335E+21	8,139918E+21	1,178409E+22
-1876	1,591965E+22	1,943792E+22	2,146093E+22	2,146061E+22	1,943707E+22	1,591866E+22	1,178349E+22	8,139734E+21	6,028344E+21	6,028457E+21	8,140040E+21	1,178384E+22
-1875	1,591889E+22	1,943693E+22	2,145994E+22	2,146015E+22	1,943733E+22	1,591929E+22	1,178413E+22	8,140162E+21	6,028458E+21	6,028302E+21	8,139665E+21	1,178331E+22
-1874	1,591842E+22	1,943714E+22	2,146093E+22	2,146101E+22	1,943755E+22	1,591911E+22	1,178384E+22	8,139938E+21	6,028342E+21	6,028321E+21	8,139969E+21	1,178410E+22
-1873	1,591941E+22	1,943758E+22	2,146081E+22	2,146067E+22	1,943724E+22	1,591882E+22	1,178350E+22	8,139538E+21	6,028008E+21	6,028128E+21	8,139788E+21	1,178359E+22
-1872	1,591851E+22	1,943652E+22	2,145996E+22	2,146054E+22	1,943766E+22	1,591940E+22	1,178400E+22	8,139815E+21	6,027979E+21	6,027836E+21	8,139434E+21	1,178353E+22
-1871	1,591914E+22	1,943786E+22	2,146117E+22	2,146104E+22	1,943768E+22	1,591911E+22	1,178348E+22	8,139260E+21	6,027587E+21	6,027685E+21	8,139608E+21	1,178405E+22
-1870	1,591963E+22	1,943798E+22	2,146100E+22	2,146065E+22	1,943737E+22	1,591905E+22	1,178352E+22	8,139188E+21	6,027356E+21	6,027328E+21	8,139010E+21	1,178314E+22
-1869	1,591867E+22	1,943742E+22	2,146125E+22	2,146139E+22	1,943784E+22	1,591920E+22	1,178362E+22	8,139307E+21	6,027369E+21	6,027226E+21	8,138973E+21	1,178347E+22
-1868	1,591959E+22	1,943852E+22	2,146201E+22	2,146185E+22	1,943794E+22	1,591881E+22	1,178295E+22	8,138718E+21	6,027086E+21	6,027245E+21	8,139200E+21	1,178355E+22
-1867	1,591913E+22	1,943769E+22	2,146102E+22	2,146118E+22	1,943809E+22	1,591947E+22	1,178356E+22	8,139009E+21	6,027075E+21	6,027037E+21	8,138830E+21	1,178306E+22
-1866	1,591858E+22	1,943754E+22	2,146162E+22	2,146181E+22	1,943825E+22	1,591945E+22	1,178360E+22	8,139113E+21	6,027188E+21	6,027154E+21	8,139079E+21	1,178378E+22
-1865	1,591977E+22	1,943833E+22	2,146164E+22	2,146140E+22	1,943773E+22	1,591898E+22	1,178326E+22	8,138923E+21	6,027192E+21	6,027324E+21	8,139206E+21	1,178342E+22
-1864	1,591886E+22	1,943717E+22	2,146046E+22	2,146075E+22	1,943773E+22	1,591940E+22	1,178389E+22	8,139585E+21	6,027672E+21	6,027515E+21	8,139111E+21	1,178320E+22
-1863	1,591885E+22	1,943780E+22	2,146133E+22	2,146115E+22	1,943766E+22	1,591910E+22	1,178361E+22	8,139517E+21	6,027886E+21	6,027936E+21	8,139715E+21	1,178397E+22
-1862	1,591942E+22	1,943773E+22	2,146083E+22	2,146050E+22	1,943711E+22	1,591881E+22	1,178355E+22	8,139625E+21	6,028105E+21	6,028200E+21	8,139774E+21	1,178350E+22
-1861	1,591840E+22	1,943652E+22	2,146005E+22	2,146040E+22	1,943728E+22	1,591907E+22	1,178397E+22	8,140138E+21	6,028540E+21	6,028463E+21	8,139960E+21	1,178387E+22
-1860	1,591921E+22	1,943750E+22	2,146064E+22	2,146055E+22	1,943715E+22	1,591869E+22	1,178352E+22	8,139883E+21	6,028602E+21	6,028782E+21	8,140449E+21	1,178429E+22
-1859	1,591920E+22	1,943699E+22	2,145967E+22	2,145953E+22	1,943680E+22	1,591903E+22	1,178408E+22	8,140306E+21	6,028817E+21	6,028799E+21	8,140156E+21	1,178363E+22
-1858	1,591835E+22	1,943649E+22	2,146002E+22	2,146014E+22	1,943699E+22	1,591907E+22	1,178425E+22	8,140598E+21	6,029075E+21	6,028942E+21	8,140278E+21	1,178407E+22
-1857	1,591935E+22	1,943749E+22	2,146048E+22	2,146019E+22	1,943674E+22	1,591855E+22	1,178370E+22	8,140219E+21	6,028967E+21	6,029104E+21	8,140553E+21	1,178396E+22
-1856	1,591850E+22	1,943622E+22	2,145921E+22	2,145951E+22	1,943687E+22	1,591907E+22	1,178422E+22	8,140578E+21	6,029082E+21	6,028964E+21	8,140216E+21	1,178360E+22
-1855	1,591831E+22	1,943652E+22	2,146005E+22	2,146020E+22	1,943714E+22	1,591908E+22	1,178403E+22	8,140306E+21	6,028871E+21	6,028885E+21	8,140423E+21	1,178434E+22
-1854	1,591941E+22	1,943721E+22	2,146009E+22	2,145991E+22	1,943676E+22	1,591873E+22	1,178371E+22	8,139957E+21	6,028535E+21	6,028649E+21	8,140175E+21	1,178379E+22
-1853	1,591861E+22	1,943642E+22	2,145954E+22	2,145985E+22	1,943701E+22	1,591907E+22	1,178404E+22	8,140145E+21	6,028445E+21	6,028291E+21	8,139750E+21	1,178366E+22
-1852	1,591915E+22	1,943775E+22	2,146096E+22	2,146068E+22	1,943721E+22	1,591876E+22	1,178348E+22	8,139617E+21	6,028119E+21	6,028177E+21	8,139893E+21	1,178402E+22
-1851	1,591936E+22	1,943763E+22	2,146069E+22	2,146036E+22	1,943711E+22	1,591892E+22	1,178362E+22	8,139558E+21	6,027897E+21	6,027891E+21	8,139436E+21	1,178325E+22
-1850	1,591837E+22	1,943682E+22	2,146079E+22	2,146116E+22	1,943773E+22	1,591921E+22	1,178378E+22	8,139658E+21	6,027869E+21	6,027743E+21	8,139346E+21	1,178355E+22
-1849	1,591938E+22	1,943805E+22	2,146146E+22	2,146141E+22	1,943775E+22	1,591890E+22	1,178325E+22	8,139153E+21	6,027603E+21	6,027791E+21	8,139667E+21	1,178375E+22

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	1,591893E+22	1,943709E+22	2,146022E+22	2,146040E+22	1,943754E+22	1,591932E+22	1,178381E+22	8,139536E+21	6,027725E+21	6,027658E+21	8,139290E+21	1,178329E+22
-1847	1,591855E+22	1,943707E+22	2,146077E+22	2,146089E+22	1,943768E+22	1,591938E+22	1,178389E+22	8,139682E+21	6,027901E+21	6,027824E+21	8,139513E+21	1,178385E+22
-1846	1,591959E+22	1,943795E+22	2,146106E+22	2,146066E+22	1,943709E+22	1,591874E+22	1,178349E+22	8,139530E+21	6,027987E+21	6,028104E+21	8,139741E+21	1,178355E+22
-1845	1,591866E+22	1,943673E+22	2,145989E+22	2,146009E+22	1,943705E+22	1,591894E+22	1,178389E+22	8,140036E+21	6,028400E+21	6,028298E+21	8,139732E+21	1,178346E+22
-1844	1,591869E+22	1,943727E+22	2,146068E+22	2,146058E+22	1,943720E+22	1,591877E+22	1,178359E+22	8,139940E+21	6,028595E+21	6,028686E+21	8,140308E+21	1,178422E+22
-1843	1,591924E+22	1,943715E+22	2,146006E+22	2,145979E+22	1,943669E+22	1,591871E+22	1,178374E+22	8,140084E+21	6,028764E+21	6,028907E+21	8,140369E+21	1,178383E+22
-1842	1,591835E+22	1,943600E+22	2,145939E+22	2,145981E+22	1,943688E+22	1,591901E+22	1,178423E+22	8,140628E+21	6,029153E+21	6,029046E+21	8,140352E+21	1,178399E+22
-1841	1,591915E+22	1,943725E+22	2,146015E+22	2,145996E+22	1,943672E+22	1,591865E+22	1,178384E+22	8,140440E+21	6,029247E+21	6,029393E+21	8,140872E+21	1,178435E+22
-1840	1,591889E+22	1,943647E+22	2,145911E+22	2,145893E+22	1,943624E+22	1,591879E+22	1,178428E+22	8,140878E+21	6,029553E+21	6,029495E+21	8,140621E+21	1,178374E+22
-1839	1,591809E+22	1,943588E+22	2,145929E+22	2,145952E+22	1,943665E+22	1,591901E+22	1,178446E+22	8,141095E+21	6,029761E+21	6,029636E+21	8,140772E+21	1,178415E+22
-1838	1,591902E+22	1,943688E+22	2,145975E+22	2,145956E+22	1,943638E+22	1,591850E+22	1,178391E+22	8,140686E+21	6,029605E+21	6,029770E+21	8,141080E+21	1,178420E+22
-1837	1,591840E+22	1,943576E+22	2,145851E+22	2,145879E+22	1,943630E+22	1,591882E+22	1,178430E+22	8,140918E+21	6,029589E+21	6,029517E+21	8,140699E+21	1,178393E+22
-1836	1,591840E+22	1,943625E+22	2,145945E+22	2,145955E+22	1,943662E+22	1,591879E+22	1,178408E+22	8,140677E+21	6,029381E+21	6,029362E+21	8,140759E+21	1,178448E+22
-1835	1,591939E+22	1,943701E+22	2,145963E+22	2,145931E+22	1,943628E+22	1,591857E+22	1,178387E+22	8,140361E+21	6,029056E+21	6,029146E+21	8,140529E+21	1,178392E+22
-1834	1,591850E+22	1,943619E+22	2,145935E+22	2,145963E+22	1,943667E+22	1,591887E+22	1,178415E+22	8,140510E+21	6,028938E+21	6,028757E+21	8,140030E+21	1,178364E+22
-1833	1,591891E+22	1,943745E+22	2,146070E+22	2,146047E+22	1,943702E+22	1,591867E+22	1,178361E+22	8,139980E+21	6,028612E+21	6,028707E+21	8,140319E+21	1,178409E+22
-1832	1,591897E+22	1,943697E+22	2,146007E+22	2,145991E+22	1,943681E+22	1,591881E+22	1,178374E+22	8,139943E+21	6,028457E+21	6,028476E+21	8,139914E+21	1,178350E+22
-1831	1,591825E+22	1,943623E+22	2,145991E+22	2,146041E+22	1,943740E+22	1,591927E+22	1,178404E+22	8,140085E+21	6,028430E+21	6,028314E+21	8,139771E+21	1,178369E+22
-1830	1,591922E+22	1,943758E+22	2,146068E+22	2,146061E+22	1,943725E+22	1,591884E+22	1,178356E+22	8,139697E+21	6,028250E+21	6,028397E+21	8,140076E+21	1,178389E+22
-1829	1,591889E+22	1,943680E+22	2,145961E+22	2,145960E+22	1,943680E+22	1,591895E+22	1,178391E+22	8,140012E+21	6,028384E+21	6,028303E+21	8,139749E+21	1,178346E+22
-1828	1,591846E+22	1,943676E+22	2,146027E+22	2,146029E+22	1,943704E+22	1,591893E+22	1,178392E+22	8,140176E+21	6,028622E+21	6,028523E+21	8,139989E+21	1,178393E+22
-1827	1,591930E+22	1,943743E+22	2,146045E+22	2,146012E+22	1,943667E+22	1,591852E+22	1,178359E+22	8,139995E+21	6,028690E+21	6,028858E+21	8,140367E+21	1,178382E+22
-1826	1,591843E+22	1,943614E+22	2,145932E+22	2,145966E+22	1,943672E+22	1,591882E+22	1,178402E+22	8,140440E+21	6,029009E+21	6,028950E+21	8,140257E+21	1,178369E+22
-1825	1,591857E+22	1,943683E+22	2,146007E+22	2,146004E+22	1,943686E+22	1,591876E+22	1,178386E+22	8,140410E+21	6,029193E+21	6,029328E+21	8,140857E+21	1,178448E+22
-1824	1,591909E+22	1,943661E+22	2,145929E+22	2,145905E+22	1,943616E+22	1,591858E+22	1,178401E+22	8,140657E+21	6,029478E+21	6,029583E+21	8,140854E+21	1,178406E+22
-1823	1,591831E+22	1,943561E+22	2,145861E+22	2,145896E+22	1,943639E+22	1,591901E+22	1,178456E+22	8,141243E+21	6,029910E+21	6,029746E+21	8,140777E+21	1,178399E+22
-1822	1,591884E+22	1,943681E+22	2,145959E+22	2,145933E+22	1,943621E+22	1,591850E+22	1,178415E+22	8,141092E+21	6,030055E+21	6,030152E+21	8,141362E+21	1,178443E+22
-1821	1,591861E+22	1,943592E+22	2,145845E+22	2,145831E+22	1,943567E+22	1,591843E+22	1,178434E+22	8,141344E+21	6,030259E+21	6,030235E+21	8,141209E+21	1,178399E+22
-1820	1,591790E+22	1,943530E+22	2,145850E+22	2,145887E+22	1,943618E+22	1,591872E+22	1,178450E+22	8,141509E+21	6,030389E+21	6,030287E+21	8,141301E+21	1,178440E+22
-1819	1,591887E+22	1,943635E+22	2,145896E+22	2,145882E+22	1,943592E+22	1,591838E+22	1,178408E+22	8,141082E+21	6,030145E+21	6,030344E+21	8,141586E+21	1,178453E+22
-1818	1,591841E+22	1,943544E+22	2,145800E+22	2,145823E+22	1,943583E+22	1,591864E+22	1,178443E+22	8,141274E+21	6,030046E+21	6,029943E+21	8,140982E+21	1,178403E+22
-1817	1,591840E+22	1,943621E+22	2,145922E+22	2,145914E+22	1,943622E+22	1,591863E+22	1,178424E+22	8,141058E+21	6,029857E+21	6,029828E+21	8,141076E+21	1,178449E+22
-1816	1,591913E+22	1,943667E+22	2,145929E+22	2,145896E+22	1,943587E+22	1,591831E+22	1,178395E+22	8,140764E+21	6,029619E+21	6,029683E+21	8,140874E+21	1,178397E+22
-1815	1,591826E+22	1,943571E+22	2,145875E+22	2,145921E+22	1,943653E+22	1,591890E+22	1,178431E+22	8,140889E+21	6,029485E+21	6,029312E+21	8,140409E+21	1,178366E+22
-1814	1,591854E+22	1,943689E+22	2,146010E+22	2,146003E+22	1,943683E+22	1,591872E+22	1,178387E+22	8,140420E+21	6,029175E+21	6,029268E+21	8,140739E+21	1,178427E+22
-1813	1,591883E+22	1,943645E+22	2,145933E+22	2,145924E+22	1,943633E+22	1,591862E+22	1,178389E+22	8,140331E+21	6,028985E+21	6,029024E+21	8,140370E+21	1,178377E+22

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	1,591827E+22	1,943586E+22	2,145915E+22	2,145966E+22	1,943685E+22	1,591902E+22	1,178420E+22	8,140557E+21	6,029030E+21	6,028874E+21	8,140167E+21	1,178382E+22
-1811	1,591908E+22	1,943725E+22	2,146006E+22	2,145985E+22	1,943666E+22	1,591864E+22	1,178376E+22	8,140201E+21	6,028906E+21	6,029044E+21	8,140558E+21	1,178407E+22
-1810	1,591870E+22	1,943644E+22	2,145924E+22	2,145915E+22	1,943627E+22	1,591863E+22	1,178400E+22	8,140458E+21	6,029024E+21	6,028948E+21	8,140209E+21	1,178357E+22
-1809	1,591825E+22	1,943639E+22	2,145983E+22	2,145989E+22	1,943668E+22	1,591871E+22	1,178401E+22	8,140591E+21	6,029257E+21	6,029230E+21	8,140586E+21	1,178416E+22
-1808	1,591900E+22	1,943677E+22	2,145966E+22	2,145948E+22	1,943624E+22	1,591834E+22	1,178372E+22	8,140453E+21	6,029369E+21	6,029570E+21	8,140953E+21	1,178418E+22
-1807	1,591841E+22	1,943562E+22	2,145840E+22	2,145884E+22	1,943636E+22	1,591886E+22	1,178431E+22	8,140959E+21	6,029678E+21	6,029614E+21	8,140737E+21	1,178387E+22
-1806	1,591845E+22	1,943643E+22	2,145938E+22	2,145928E+22	1,943637E+22	1,591870E+22	1,178423E+22	8,141057E+21	6,029942E+21	6,029997E+21	8,141273E+21	1,178460E+22
-1805	1,591898E+22	1,943627E+22	2,145871E+22	2,145834E+22	1,943550E+22	1,591826E+22	1,178419E+22	8,141232E+21	6,030235E+21	6,030303E+21	8,141332E+21	1,178418E+22
-1804	1,591811E+22	1,943520E+22	2,145803E+22	2,145838E+22	1,943585E+22	1,591866E+22	1,178469E+22	8,141814E+21	6,030684E+21	6,030491E+21	8,141279E+21	1,178404E+22
-1803	1,591841E+22	1,943615E+22	2,145887E+22	2,145874E+22	1,943584E+22	1,591837E+22	1,178432E+22	8,141592E+21	6,030768E+21	6,030901E+21	8,141970E+21	1,178469E+22
-1802	1,591834E+22	1,943531E+22	2,145782E+22	2,145779E+22	1,943530E+22	1,591830E+22	1,178448E+22	8,141744E+21	6,030833E+21	6,030839E+21	8,141705E+21	1,178426E+22
-1801	1,591784E+22	1,943491E+22	2,145788E+22	2,145826E+22	1,943576E+22	1,591859E+22	1,178468E+22	8,141895E+21	6,030899E+21	6,030837E+21	8,141770E+21	1,178464E+22
-1800	1,591877E+22	1,943592E+22	2,145826E+22	2,145810E+22	1,943539E+22	1,591818E+22	1,178425E+22	8,141528E+21	6,030715E+21	6,030877E+21	8,141967E+21	1,178474E+22
-1799	1,591844E+22	1,943524E+22	2,145746E+22	2,145758E+22	1,943542E+22	1,591855E+22	1,178462E+22	8,141707E+21	6,030613E+21	6,030475E+21	8,141294E+21	1,178400E+22
-1798	1,591813E+22	1,943590E+22	2,145890E+22	2,145876E+22	1,943586E+22	1,591848E+22	1,178442E+22	8,141521E+21	6,030460E+21	6,030394E+21	8,141431E+21	1,178455E+22
-1797	1,591888E+22	1,943618E+22	2,145878E+22	2,145856E+22	1,943554E+22	1,591805E+22	1,178395E+22	8,141084E+21	6,030154E+21	6,030262E+21	8,141336E+21	1,178418E+22
-1796	1,591812E+22	1,943522E+22	2,145805E+22	2,145865E+22	1,943619E+22	1,591872E+22	1,178439E+22	8,141242E+21	6,029995E+21	6,029842E+21	8,140831E+21	1,178384E+22
-1795	1,591834E+22	1,943636E+22	2,145932E+22	2,145933E+22	1,943645E+22	1,591869E+22	1,178410E+22	8,140832E+21	6,029692E+21	6,029790E+21	8,141161E+21	1,178451E+22
-1794	1,591875E+22	1,943614E+22	2,145883E+22	2,145863E+22	1,943582E+22	1,591843E+22	1,178406E+22	8,140748E+21	6,029498E+21	6,029498E+21	8,140682E+21	1,178388E+22
-1793	1,591820E+22	1,943571E+22	2,145880E+22	2,145912E+22	1,943634E+22	1,591878E+22	1,178434E+22	8,140991E+21	6,029608E+21	6,029459E+21	8,140585E+21	1,178390E+22
-1792	1,591878E+22	1,943677E+22	2,145952E+22	2,145933E+22	1,943616E+22	1,591834E+22	1,178385E+22	8,140676E+21	6,029587E+21	6,029725E+21	8,141059E+21	1,178427E+22
-1791	1,591852E+22	1,943595E+22	2,145852E+22	2,145855E+22	1,943600E+22	1,591858E+22	1,178414E+22	8,140901E+21	6,029689E+21	6,029645E+21	8,140725E+21	1,178372E+22
-1790	1,591797E+22	1,943587E+22	2,145919E+22	2,145931E+22	1,943635E+22	1,591868E+22	1,178427E+22	8,141117E+21	6,029946E+21	6,029910E+21	8,141096E+21	1,178444E+22
-1789	1,591894E+22	1,943627E+22	2,145890E+22	2,145877E+22	1,943572E+22	1,591813E+22	1,178389E+22	8,140956E+21	6,030050E+21	6,030251E+21	8,141471E+21	1,178446E+22
-1788	1,591840E+22	1,943528E+22	2,145767E+22	2,145807E+22	1,943579E+22	1,591863E+22	1,178455E+22	8,141571E+21	6,030429E+21	6,030306E+21	8,141192E+21	1,178397E+22
-1787	1,591819E+22	1,943600E+22	2,145876E+22	2,145858E+22	1,943584E+22	1,591856E+22	1,178453E+22	8,141694E+21	6,030743E+21	6,030765E+21	8,141803E+21	1,178472E+22
-1786	1,591863E+22	1,943575E+22	2,145823E+22	2,145784E+22	1,943500E+22	1,591799E+22	1,178434E+22	8,141772E+21	6,030977E+21	6,031042E+21	8,141861E+21	1,178430E+22
-1785	1,591780E+22	1,943466E+22	2,145739E+22	2,145783E+22	1,943549E+22	1,591849E+22	1,178481E+22	8,142253E+21	6,031361E+21	6,031250E+21	8,141917E+21	1,178431E+22
-1784	1,591810E+22	1,943539E+22	2,145793E+22	2,145794E+22	1,943534E+22	1,591819E+22	1,178446E+22	8,142037E+21	6,031417E+21	6,031586E+21	8,142541E+21	1,178506E+22
-1783	1,591836E+22	1,943482E+22	2,145687E+22	2,145689E+22	1,943485E+22	1,591825E+22	1,178468E+22	8,142186E+21	6,031420E+21	6,031420E+21	8,142121E+21	1,178444E+22
-1782	1,591780E+22	1,943466E+22	2,145736E+22	2,145759E+22	1,943525E+22	1,591843E+22	1,178490E+22	8,142398E+21	6,031506E+21	6,031367E+21	8,142093E+21	1,178477E+22
-1781	1,591874E+22	1,943569E+22	2,145786E+22	2,145756E+22	1,943482E+22	1,591782E+22	1,178429E+22	8,141931E+21	6,031291E+21	6,031431E+21	8,142325E+21	1,178482E+22
-1780	1,591830E+22	1,943497E+22	2,145710E+22	2,145722E+22	1,943505E+22	1,591827E+22	1,178467E+22	8,142101E+21	6,031166E+21	6,031020E+21	8,141659E+21	1,178403E+22
-1779	1,591777E+22	1,943538E+22	2,145839E+22	2,145838E+22	1,943569E+22	1,591846E+22	1,178457E+22	8,141877E+21	6,030973E+21	6,030940E+21	8,141863E+21	1,178471E+22
-1778	1,591860E+22	1,943568E+22	2,145832E+22	2,145816E+22	1,943530E+22	1,591801E+22	1,178410E+22	8,141400E+21	6,030586E+21	6,030710E+21	8,141688E+21	1,178435E+22
-1777	1,591804E+22	1,943489E+22	2,145750E+22	2,145809E+22	1,943587E+22	1,591867E+22	1,178458E+22	8,141598E+21	6,030460E+21	6,030335E+21	8,141221E+21	1,178400E+22

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1776	1,591818E+22	1,943588E+22	2,145859E+22	2,145857E+22	1,943594E+22	1,591853E+22	1,178430E+22	8,141308E+21	6,030285E+21	6,030338E+21	8,141530E+21	1,178467E+22
-1775	1,591871E+22	1,943585E+22	2,145821E+22	2,145792E+22	1,943537E+22	1,591830E+22	1,178425E+22	8,141242E+21	6,030150E+21	6,030120E+21	8,141075E+21	1,178392E+22
-1774	1,591793E+22	1,943533E+22	2,145840E+22	2,145866E+22	1,943589E+22	1,591853E+22	1,178448E+22	8,141507E+21	6,030310E+21	6,030138E+21	8,141067E+21	1,178409E+22
-1773	1,591859E+22	1,943621E+22	2,145889E+22	2,145876E+22	1,943570E+22	1,591803E+22	1,178386E+22	8,141071E+21	6,030242E+21	6,030440E+21	8,141651E+21	1,178460E+22
-1772	1,591847E+22	1,943549E+22	2,145780E+22	2,145787E+22	1,943553E+22	1,591836E+22	1,178427E+22	8,141341E+21	6,030317E+21	6,030307E+21	8,141251E+21	1,178397E+22
-1771	1,591783E+22	1,943537E+22	2,145843E+22	2,145856E+22	1,943592E+22	1,591863E+22	1,178454E+22	8,141634E+21	6,030607E+21	6,030566E+21	8,141579E+21	1,178464E+22
-1770	1,591882E+22	1,943596E+22	2,145843E+22	2,145815E+22	1,943523E+22	1,591796E+22	1,178412E+22	8,141491E+21	6,030727E+21	6,030878E+21	8,141867E+21	1,178454E+22
-1769	1,591825E+22	1,943500E+22	2,145724E+22	2,145750E+22	1,943530E+22	1,591842E+22	1,178474E+22	8,142107E+21	6,031167E+21	6,031049E+21	8,141696E+21	1,178403E+22
-1768	1,591774E+22	1,943523E+22	2,145800E+22	2,145795E+22	1,943539E+22	1,591835E+22	1,178471E+22	8,142270E+21	6,031537E+21	6,031559E+21	8,142382E+21	1,178492E+22
-1767	1,591837E+22	1,943507E+22	2,145732E+22	2,145710E+22	1,943469E+22	1,591796E+22	1,178455E+22	8,142281E+21	6,031703E+21	6,031800E+21	8,142444E+21	1,178452E+22
-1766	1,591755E+22	1,943405E+22	2,145662E+22	2,145708E+22	1,943500E+22	1,591838E+22	1,178506E+22	8,142781E+21	6,032040E+21	6,031916E+21	8,142445E+21	1,178466E+22
-1765	1,591812E+22	1,943489E+22	2,145711E+22	2,145708E+22	1,943471E+22	1,591791E+22	1,178458E+22	8,142482E+21	6,032037E+21	6,032209E+21	8,143022E+21	1,178537E+22
-1764	1,591849E+22	1,943464E+22	2,145630E+22	2,145612E+22	1,943421E+22	1,591794E+22	1,178482E+22	8,142659E+21	6,032025E+21	6,031990E+21	8,142489E+21	1,178451E+22
-1763	1,591764E+22	1,943441E+22	2,145699E+22	2,145707E+22	1,943478E+22	1,591824E+22	1,178507E+22	8,142854E+21	6,032117E+21	6,031961E+21	8,142484E+21	1,178482E+22
-1762	1,591846E+22	1,943535E+22	2,145765E+22	2,145731E+22	1,943454E+22	1,591760E+22	1,178434E+22	8,142289E+21	6,031824E+21	6,031968E+21	8,142695E+21	1,178489E+22
-1761	1,591805E+22	1,943454E+22	2,145668E+22	2,145689E+22	1,943488E+22	1,591821E+22	1,178475E+22	8,142392E+21	6,031652E+21	6,031578E+21	8,142113E+21	1,178418E+22
-1760	1,591746E+22	1,943465E+22	2,145759E+22	2,145776E+22	1,943538E+22	1,591845E+22	1,178478E+22	8,142266E+21	6,031482E+21	6,031459E+21	8,142271E+21	1,178494E+22
-1759	1,591856E+22	1,943522E+22	2,145749E+22	2,145740E+22	1,943497E+22	1,591804E+22	1,178436E+22	8,141836E+21	6,031112E+21	6,031205E+21	8,142010E+21	1,178443E+22
-1758	1,591791E+22	1,943462E+22	2,145703E+22	2,145742E+22	1,943535E+22	1,591852E+22	1,178482E+22	8,142114E+21	6,031070E+21	6,030864E+21	8,141549E+21	1,178413E+22
-1757	1,591811E+22	1,943552E+22	2,145811E+22	2,145795E+22	1,943533E+22	1,591815E+22	1,178434E+22	8,141737E+21	6,030920E+21	6,030973E+21	8,141970E+21	1,178482E+22
-1756	1,591860E+22	1,943549E+22	2,145773E+22	2,145742E+22	1,943489E+22	1,591798E+22	1,178429E+22	8,141660E+21	6,030773E+21	6,030777E+21	8,141572E+21	1,178406E+22
-1755	1,591766E+22	1,943481E+22	2,145785E+22	2,145818E+22	1,943561E+22	1,591844E+22	1,178461E+22	8,141897E+21	6,030911E+21	6,030801E+21	8,141619E+21	1,178436E+22
-1754	1,591842E+22	1,943574E+22	2,145838E+22	2,145824E+22	1,943535E+22	1,591791E+22	1,178400E+22	8,141458E+21	6,030785E+21	6,031007E+21	8,142099E+21	1,178483E+22
-1753	1,591844E+22	1,943516E+22	2,145724E+22	2,145727E+22	1,943517E+22	1,591829E+22	1,178448E+22	8,141785E+21	6,030925E+21	6,030939E+21	8,141718E+21	1,178413E+22
-1752	1,591764E+22	1,943485E+22	2,145769E+22	2,145776E+22	1,943539E+22	1,591852E+22	1,178483E+22	8,142232E+21	6,031349E+21	6,031260E+21	8,142026E+21	1,178475E+22
-1751	1,591863E+22	1,943549E+22	2,145771E+22	2,145740E+22	1,943478E+22	1,591786E+22	1,178439E+22	8,142114E+21	6,031531E+21	6,031647E+21	8,142356E+21	1,178457E+22
-1750	1,591785E+22	1,943440E+22	2,145664E+22	2,145690E+22	1,943484E+22	1,591823E+22	1,178497E+22	8,142731E+21	6,031995E+21	6,031851E+21	8,142292E+21	1,178429E+22
-1749	1,591751E+22	1,943445E+22	2,145706E+22	2,145713E+22	1,943482E+22	1,591806E+22	1,178479E+22	8,142745E+21	6,032281E+21	6,032357E+21	8,143038E+21	1,178529E+22
-1748	1,591835E+22	1,943454E+22	2,145643E+22	2,145619E+22	1,943404E+22	1,591770E+22	1,178471E+22	8,142765E+21	6,032357E+21	6,032486E+21	8,143000E+21	1,178481E+22
-1747	1,591751E+22	1,943364E+22	2,145591E+22	2,145627E+22	1,943442E+22	1,591820E+22	1,178526E+22	8,143259E+21	6,032665E+21	6,032535E+21	8,142906E+21	1,178486E+22
-1746	1,591807E+22	1,943472E+22	2,145681E+22	2,145651E+22	1,943415E+22	1,591764E+22	1,178469E+22	8,142912E+21	6,032611E+21	6,032745E+21	8,143355E+21	1,178542E+22
-1745	1,591837E+22	1,943449E+22	2,145613E+22	2,145580E+22	1,943385E+22	1,591773E+22	1,178490E+22	8,143030E+21	6,032601E+21	6,032593E+21	8,142882E+21	1,178451E+22
-1744	1,591725E+22	1,943381E+22	2,145646E+22	2,145670E+22	1,943456E+22	1,591816E+22	1,178521E+22	8,143273E+21	6,032708E+21	6,032559E+21	8,142902E+21	1,178491E+22
-1743	1,591820E+22	1,943477E+22	2,145693E+22	2,145684E+22	1,943446E+22	1,591772E+22	1,178457E+22	8,142691E+21	6,032367E+21	6,032519E+21	8,143096E+21	1,178498E+22
-1742	1,591777E+22	1,943399E+22	2,145608E+22	2,145635E+22	1,943458E+22	1,591823E+22	1,178504E+22	8,142859E+21	6,032196E+21	6,032081E+21	8,142504E+21	1,178444E+22
-1741	1,591742E+22	1,943408E+22	2,145676E+22	2,145698E+22	1,943485E+22	1,591826E+22	1,178493E+22	8,142692E+21	6,032037E+21	6,032003E+21	8,142678E+21	1,178515E+22

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	1,591862E+22	1,943499E+22	2,145693E+22	2,145662E+22	1,943429E+22	1,591776E+22	1,178453E+22	8,142299E+21	6,031687E+21	6,031767E+21	8,142406E+21	1,178452E+22
-1739	1,591775E+22	1,943430E+22	2,145663E+22	2,145687E+22	1,943479E+22	1,591825E+22	1,178493E+22	8,142535E+21	6,031676E+21	6,031492E+21	8,142014E+21	1,178425E+22
-1738	1,591789E+22	1,943519E+22	2,145781E+22	2,145758E+22	1,943492E+22	1,591785E+22	1,178431E+22	8,142058E+21	6,031464E+21	6,031568E+21	8,142444E+21	1,178501E+22
-1737	1,591849E+22	1,943513E+22	2,145728E+22	2,145700E+22	1,943461E+22	1,591783E+22	1,178429E+22	8,141920E+21	6,031287E+21	6,031391E+21	8,142086E+21	1,178429E+22
-1736	1,591747E+22	1,943416E+22	2,145703E+22	2,145748E+22	1,943523E+22	1,591840E+22	1,178482E+22	8,142322E+21	6,031478E+21	6,031378E+21	8,142059E+21	1,178458E+22
-1735	1,591841E+22	1,943533E+22	2,145760E+22	2,145752E+22	1,943501E+22	1,591793E+22	1,178431E+22	8,141993E+21	6,031425E+21	6,031590E+21	8,142456E+21	1,178487E+22
-1734	1,591824E+22	1,943481E+22	2,145677E+22	2,145663E+22	1,943464E+22	1,591817E+22	1,178481E+22	8,142433E+21	6,031682E+21	6,031599E+21	8,142132E+21	1,178425E+22
-1733	1,591742E+22	1,943423E+22	2,145699E+22	2,145707E+22	1,943479E+22	1,591822E+22	1,178500E+22	8,142816E+21	6,032155E+21	6,032060E+21	8,142583E+21	1,178488E+22
-1732	1,591838E+22	1,943492E+22	2,145700E+22	2,145669E+22	1,943420E+22	1,591760E+22	1,178457E+22	8,142672E+21	6,032303E+21	6,032455E+21	8,142978E+21	1,178476E+22
-1731	1,591753E+22	1,943373E+22	2,145586E+22	2,145617E+22	1,943435E+22	1,591809E+22	1,178516E+22	8,143234E+21	6,032722E+21	6,032631E+21	8,142934E+21	1,178460E+22
-1730	1,591739E+22	1,943398E+22	2,145639E+22	2,145640E+22	1,943426E+22	1,591783E+22	1,178492E+22	8,143191E+21	6,032909E+21	6,033005E+21	8,143554E+21	1,178558E+22
-1729	1,591841E+22	1,943427E+22	2,145585E+22	2,145553E+22	1,943354E+22	1,591750E+22	1,178483E+22	8,143188E+21	6,032984E+21	6,033133E+21	8,143467E+21	1,178498E+22
-1728	1,591739E+22	1,943324E+22	2,145531E+22	2,145560E+22	1,943391E+22	1,591804E+22	1,178548E+22	8,143782E+21	6,033338E+21	6,033173E+21	8,143323E+21	1,178495E+22
-1727	1,591791E+22	1,943435E+22	2,145630E+22	2,145606E+22	1,943385E+22	1,591754E+22	1,178491E+22	8,143430E+21	6,033285E+21	6,033390E+21	8,143762E+21	1,178541E+22
-1726	1,591797E+22	1,943397E+22	2,145572E+22	2,145549E+22	1,943362E+22	1,591766E+22	1,178510E+22	8,143524E+21	6,033253E+21	6,033220E+21	8,143364E+21	1,178473E+22
-1725	1,591702E+22	1,943306E+22	2,145561E+22	2,145606E+22	1,943420E+22	1,591805E+22	1,178533E+22	8,143655E+21	6,033286E+21	6,033183E+21	8,143411E+21	1,178516E+22
-1724	1,591813E+22	1,943427E+22	2,145611E+22	2,145604E+22	1,943392E+22	1,591761E+22	1,178480E+22	8,143110E+21	6,032879E+21	6,033045E+21	8,143513E+21	1,178517E+22
-1723	1,591771E+22	1,943363E+22	2,145544E+22	2,145562E+22	1,943404E+22	1,591807E+22	1,178524E+22	8,143290E+21	6,032732E+21	6,032598E+21	8,142883E+21	1,178459E+22
-1722	1,591739E+22	1,943394E+22	2,145641E+22	2,145637E+22	1,943422E+22	1,591792E+22	1,178499E+22	8,143058E+21	6,032542E+21	6,032486E+21	8,142997E+21	1,178522E+22
-1721	1,591852E+22	1,943480E+22	2,145668E+22	2,145629E+22	1,943388E+22	1,591747E+22	1,178450E+22	8,142595E+21	6,032210E+21	6,032340E+21	8,142821E+21	1,178460E+22
-1720	1,591747E+22	1,943378E+22	2,145610E+22	2,145647E+22	1,943451E+22	1,591810E+22	1,178499E+22	8,142873E+21	6,032204E+21	6,032064E+21	8,142469E+21	1,178443E+22
-1719	1,591773E+22	1,943470E+22	2,145715E+22	2,145712E+22	1,943475E+22	1,591787E+22	1,178450E+22	8,142436E+21	6,031987E+21	6,032107E+21	8,142851E+21	1,178514E+22
-1718	1,591830E+22	1,943468E+22	2,145676E+22	2,145652E+22	1,943432E+22	1,591784E+22	1,178459E+22	8,142410E+21	6,031866E+21	6,031922E+21	8,142494E+21	1,178454E+22
-1717	1,591744E+22	1,943365E+22	2,145622E+22	2,145669E+22	1,943470E+22	1,591824E+22	1,178505E+22	8,142850E+21	6,032152E+21	6,032017E+21	8,142488E+21	1,178470E+22
-1716	1,591831E+22	1,943502E+22	2,145699E+22	2,145672E+22	1,943432E+22	1,591773E+22	1,178462E+22	8,142609E+21	6,032168E+21	6,032295E+21	8,142916E+21	1,178492E+22
-1715	1,591791E+22	1,943429E+22	2,145622E+22	2,145605E+22	1,943407E+22	1,591791E+22	1,178502E+22	8,143037E+21	6,032495E+21	6,032417E+21	8,142731E+21	1,178439E+22
-1714	1,591710E+22	1,943366E+22	2,145634E+22	2,145646E+22	1,943427E+22	1,591792E+22	1,178507E+22	8,143293E+21	6,032886E+21	6,032841E+21	8,143220E+21	1,178515E+22
-1713	1,591820E+22	1,943436E+22	2,145626E+22	2,145603E+22	1,943374E+22	1,591741E+22	1,178464E+22	8,143063E+21	6,032978E+21	6,033226E+21	8,143627E+21	1,178509E+22
-1712	1,591740E+22	1,943309E+22	2,145493E+22	2,145529E+22	1,943379E+22	1,591794E+22	1,178537E+22	8,143722E+21	6,033383E+21	6,033310E+21	8,143470E+21	1,178490E+22
-1711	1,591744E+22	1,943363E+22	2,145565E+22	2,145565E+22	1,943379E+22	1,591771E+22	1,178517E+22	8,143735E+21	6,033588E+21	6,033633E+21	8,143957E+21	1,178566E+22
-1710	1,591825E+22	1,943401E+22	2,145551E+22	2,145504E+22	1,943307E+22	1,591733E+22	1,178508E+22	8,143768E+21	6,033697E+21	6,033763E+21	8,143883E+21	1,178512E+22
-1709	1,591718E+22	1,943270E+22	2,145471E+22	2,145509E+22	1,943348E+22	1,591780E+22	1,178560E+22	8,144280E+21	6,034046E+21	6,033881E+21	8,143818E+21	1,178506E+22
-1708	1,591766E+22	1,943386E+22	2,145570E+22	2,145551E+22	1,943345E+22	1,591744E+22	1,178513E+22	8,143903E+21	6,033911E+21	6,034041E+21	8,144266E+21	1,178556E+22
-1707	1,591766E+22	1,943333E+22	2,145502E+22	2,145492E+22	1,943327E+22	1,591763E+22	1,178533E+22	8,143958E+21	6,033827E+21	6,033822E+21	8,143858E+21	1,178495E+22
-1706	1,591691E+22	1,943263E+22	2,145493E+22	2,145539E+22	1,943372E+22	1,591788E+22	1,178548E+22	8,144025E+21	6,033771E+21	6,033673E+21	8,143804E+21	1,178537E+22
-1705	1,591815E+22	1,943405E+22	2,145557E+22	2,145539E+22	1,943343E+22	1,591739E+22	1,178487E+22	8,143441E+21	6,033380E+21	6,033554E+21	8,143865E+21	1,178527E+22

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	1,591756E+22	1,943328E+22	2,145489E+22	2,145496E+22	1,943347E+22	1,591783E+22	1,178537E+22	8,143707E+21	6,033282E+21	6,033127E+21	8,143240E+21	1,178467E+22
-1703	1,591725E+22	1,943363E+22	2,145598E+22	2,145600E+22	1,943389E+22	1,591770E+22	1,178508E+22	8,143465E+21	6,033111E+21	6,033042E+21	8,143375E+21	1,178526E+22
-1702	1,591822E+22	1,943439E+22	2,145631E+22	2,145601E+22	1,943365E+22	1,591733E+22	1,178461E+22	8,142988E+21	6,032764E+21	6,032886E+21	8,143279E+21	1,178487E+22
-1701	1,591733E+22	1,943317E+22	2,145532E+22	2,145586E+22	1,943415E+22	1,591797E+22	1,178510E+22	8,143228E+21	6,032744E+21	6,032644E+21	8,142943E+21	1,178467E+22
-1700	1,591770E+22	1,943433E+22	2,145646E+22	2,145637E+22	1,943422E+22	1,591779E+22	1,178479E+22	8,142900E+21	6,032538E+21	6,032646E+21	8,143242E+21	1,178527E+22
-1699	1,591815E+22	1,943432E+22	2,145618E+22	2,145588E+22	1,943381E+22	1,591771E+22	1,178486E+22	8,142952E+21	6,032526E+21	6,032540E+21	8,142900E+21	1,178461E+22
-1698	1,591727E+22	1,943338E+22	2,145575E+22	2,145609E+22	1,943412E+22	1,591796E+22	1,178520E+22	8,143366E+21	6,032847E+21	6,032689E+21	8,142936E+21	1,178476E+22
-1697	1,591803E+22	1,943458E+22	2,145649E+22	2,145626E+22	1,943391E+22	1,591747E+22	1,178467E+22	8,143068E+21	6,032904E+21	6,033072E+21	8,143480E+21	1,178504E+22
-1696	1,591753E+22	1,943355E+22	2,145538E+22	2,145540E+22	1,943367E+22	1,591777E+22	1,178519E+22	8,143546E+21	6,033227E+21	6,033194E+21	8,143369E+21	1,178469E+22
-1695	1,591693E+22	1,943303E+22	2,145545E+22	2,145576E+22	1,943389E+22	1,591783E+22	1,178530E+22	8,143812E+21	6,033580E+21	6,033551E+21	8,143785E+21	1,178542E+22
-1694	1,591806E+22	1,943387E+22	2,145556E+22	2,145535E+22	1,943328E+22	1,591730E+22	1,178492E+22	8,143636E+21	6,033672E+21	6,033878E+21	8,144163E+21	1,178546E+22
-1693	1,591743E+22	1,943265E+22	2,145410E+22	2,145442E+22	1,943315E+22	1,591770E+22	1,178556E+22	8,144266E+21	6,034110E+21	6,034016E+21	8,143968E+21	1,178508E+22
-1692	1,591739E+22	1,943339E+22	2,145512E+22	2,145489E+22	1,943309E+22	1,591748E+22	1,178544E+22	8,144316E+21	6,034317E+21	6,034336E+21	8,144421E+21	1,178572E+22
-1691	1,591794E+22	1,943355E+22	2,145506E+22	2,145464E+22	1,943267E+22	1,591713E+22	1,178526E+22	8,144312E+21	6,034441E+21	6,034508E+21	8,144417E+21	1,178523E+22
-1690	1,591690E+22	1,943222E+22	2,145410E+22	2,145457E+22	1,943310E+22	1,591759E+22	1,178567E+22	8,144676E+21	6,034661E+21	6,034533E+21	8,144336E+21	1,178526E+22
-1689	1,591743E+22	1,943332E+22	2,145500E+22	2,145492E+22	1,943311E+22	1,591733E+22	1,178522E+22	8,144240E+21	6,034455E+21	6,034629E+21	8,144724E+21	1,178576E+22
-1688	1,591750E+22	1,943276E+22	2,145418E+22	2,145416E+22	1,943279E+22	1,591752E+22	1,178555E+22	8,144390E+21	6,034353E+21	6,034332E+21	8,144244E+21	1,178515E+22
-1687	1,591689E+22	1,943232E+22	2,145427E+22	2,145471E+22	1,943324E+22	1,591772E+22	1,178568E+22	8,144479E+21	6,034312E+21	6,034150E+21	8,144089E+21	1,178539E+22
-1686	1,591795E+22	1,943381E+22	2,145528E+22	2,145499E+22	1,943300E+22	1,591719E+22	1,178503E+22	8,143893E+21	6,033942E+21	6,034056E+21	8,144220E+21	1,178542E+22
-1685	1,591738E+22	1,943284E+22	2,145436E+22	2,145449E+22	1,943307E+22	1,591755E+22	1,178539E+22	8,144061E+21	6,033850E+21	6,033722E+21	8,143679E+21	1,178480E+22
-1684	1,591707E+22	1,943327E+22	2,145548E+22	2,145549E+22	1,943351E+22	1,591758E+22	1,178523E+22	8,143822E+21	6,033627E+21	6,033596E+21	8,143819E+21	1,178542E+22
-1683	1,591799E+22	1,943389E+22	2,145576E+22	2,145559E+22	1,943338E+22	1,591728E+22	1,178481E+22	8,143385E+21	6,033297E+21	6,033436E+21	8,143712E+21	1,178507E+22
-1682	1,591727E+22	1,943285E+22	2,145471E+22	2,145527E+22	1,943374E+22	1,591782E+22	1,178525E+22	8,143626E+21	6,033266E+21	6,033159E+21	8,143328E+21	1,178484E+22
-1681	1,591763E+22	1,943407E+22	2,145594E+22	2,145578E+22	1,943379E+22	1,591764E+22	1,178493E+22	8,143341E+21	6,033155E+21	6,033243E+21	8,143621E+21	1,178532E+22
-1680	1,591788E+22	1,943386E+22	2,145557E+22	2,145523E+22	1,943329E+22	1,591753E+22	1,178510E+22	8,143510E+21	6,033240E+21	6,033234E+21	8,143385E+21	1,178473E+22
-1679	1,591701E+22	1,943285E+22	2,145508E+22	2,145557E+22	1,943375E+22	1,591776E+22	1,178538E+22	8,143916E+21	6,033597E+21	6,033438E+21	8,143487E+21	1,178491E+22
-1678	1,591768E+22	1,943395E+22	2,145580E+22	2,145572E+22	1,943356E+22	1,591735E+22	1,178486E+22	8,143586E+21	6,033624E+21	6,033807E+21	8,144123E+21	1,178546E+22
-1677	1,591742E+22	1,943284E+22	2,145434E+22	2,145448E+22	1,943309E+22	1,591756E+22	1,178533E+22	8,144026E+21	6,033935E+21	6,033944E+21	8,143987E+21	1,178506E+22
-1676	1,591699E+22	1,943270E+22	2,145466E+22	2,145479E+22	1,943315E+22	1,591762E+22	1,178558E+22	8,144362E+21	6,034269E+21	6,034224E+21	8,144286E+21	1,178565E+22
-1675	1,591799E+22	1,943357E+22	2,145499E+22	2,145464E+22	1,943266E+22	1,591706E+22	1,178516E+22	8,144227E+21	6,034420E+21	6,034576E+21	8,144611E+21	1,178555E+22
-1674	1,591729E+22	1,943244E+22	2,145369E+22	2,145386E+22	1,943258E+22	1,591738E+22	1,178567E+22	8,144773E+21	6,034821E+21	6,034712E+21	8,144432E+21	1,178516E+22
-1673	1,591710E+22	1,943299E+22	2,145470E+22	2,145452E+22	1,943277E+22	1,591727E+22	1,178549E+22	8,144750E+21	6,035013E+21	6,035052E+21	8,144909E+21	1,178579E+22
-1672	1,591752E+22	1,943283E+22	2,145428E+22	2,145406E+22	1,943239E+22	1,591710E+22	1,178548E+22	8,144786E+21	6,035089E+21	6,035180E+21	8,144940E+21	1,178544E+22
-1671	1,591668E+22	1,943158E+22	2,145327E+22	2,145397E+22	1,943283E+22	1,591757E+22	1,178593E+22	8,145155E+21	6,035257E+21	6,035114E+21	8,144770E+21	1,178543E+22
-1670	1,591723E+22	1,943281E+22	2,145431E+22	2,145430E+22	1,943274E+22	1,591727E+22	1,178548E+22	8,144741E+21	6,035031E+21	6,035146E+21	8,145129E+21	1,178602E+22
-1669	1,591745E+22	1,943232E+22	2,145340E+22	2,145330E+22	1,943217E+22	1,591727E+22	1,178570E+22	8,144854E+21	6,034968E+21	6,034921E+21	8,144646E+21	1,178529E+22

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	1,591682E+22	1,943212E+22	2,145386E+22	2,145402E+22	1,943256E+22	1,591742E+22	1,178584E+22	8,144932E+21	6,034909E+21	6,034739E+21	8,144499E+21	1,178547E+22
-1667	1,591767E+22	1,943340E+22	2,145490E+22	2,145465E+22	1,943264E+22	1,591694E+22	1,178509E+22	8,144293E+21	6,034540E+21	6,034680E+21	8,144691E+21	1,178557E+22
-1666	1,591722E+22	1,943250E+22	2,145386E+22	2,145404E+22	1,943275E+22	1,591734E+22	1,178537E+22	8,144317E+21	6,034326E+21	6,034269E+21	8,144146E+21	1,178506E+22
-1665	1,591699E+22	1,943291E+22	2,145493E+22	2,145499E+22	1,943324E+22	1,591748E+22	1,178526E+22	8,144089E+21	6,034087E+21	6,034090E+21	8,144185E+21	1,178559E+22
-1664	1,591788E+22	1,943346E+22	2,145507E+22	2,145494E+22	1,943302E+22	1,591724E+22	1,178505E+22	8,143820E+21	6,033818E+21	6,033923E+21	8,144047E+21	1,178521E+22
-1663	1,591720E+22	1,943256E+22	2,145416E+22	2,145471E+22	1,943334E+22	1,591770E+22	1,178550E+22	8,144146E+21	6,033882E+21	6,033702E+21	8,143642E+21	1,178483E+22
-1662	1,591729E+22	1,943363E+22	2,145554E+22	2,145538E+22	1,943344E+22	1,591750E+22	1,178517E+22	8,143902E+21	6,033840E+21	6,033876E+21	8,144076E+21	1,178547E+22
-1661	1,591758E+22	1,943321E+22	2,145479E+22	2,145457E+22	1,943284E+22	1,591731E+22	1,178522E+22	8,144013E+21	6,033977E+21	6,034005E+21	8,143982E+21	1,178496E+22
-1660	1,591681E+22	1,943233E+22	2,145431E+22	2,145471E+22	1,943316E+22	1,591762E+22	1,178561E+22	8,144413E+21	6,034288E+21	6,034172E+21	8,144086E+21	1,178520E+22
-1659	1,591749E+22	1,943336E+22	2,145504E+22	2,145500E+22	1,943307E+22	1,591720E+22	1,178508E+22	8,144116E+21	6,034333E+21	6,034530E+21	8,144684E+21	1,178577E+22
-1658	1,591747E+22	1,943257E+22	2,145363E+22	2,145365E+22	1,943245E+22	1,591725E+22	1,178544E+22	8,144492E+21	6,034599E+21	6,034610E+21	8,144476E+21	1,178529E+22
-1657	1,591697E+22	1,943247E+22	2,145415E+22	2,145411E+22	1,943259E+22	1,591733E+22	1,178566E+22	8,144849E+21	6,034987E+21	6,034912E+21	8,144710E+21	1,178570E+22
-1656	1,591771E+22	1,943311E+22	2,145446E+22	2,145409E+22	1,943219E+22	1,591686E+22	1,178537E+22	8,144808E+21	6,035185E+21	6,035319E+21	8,145116E+21	1,178565E+22
-1655	1,591697E+22	1,943185E+22	2,145310E+22	2,145346E+22	1,943231E+22	1,591724E+22	1,178586E+22	8,145323E+21	6,035567E+21	6,035450E+21	8,144960E+21	1,178527E+22
-1654	1,591667E+22	1,943225E+22	2,145400E+22	2,145405E+22	1,943256E+22	1,591728E+22	1,178574E+22	8,145260E+21	6,035680E+21	6,035728E+21	8,145477E+21	1,178611E+22
-1653	1,591733E+22	1,943209E+22	2,145324E+22	2,145315E+22	1,943188E+22	1,591699E+22	1,178569E+22	8,145263E+21	6,035736E+21	6,035846E+21	8,145465E+21	1,178572E+22
-1652	1,591667E+22	1,943123E+22	2,145248E+22	2,145294E+22	1,943210E+22	1,591741E+22	1,178620E+22	8,145655E+21	6,035866E+21	6,035697E+21	8,145186E+21	1,178560E+22
-1651	1,591712E+22	1,943247E+22	2,145378E+22	2,145362E+22	1,943215E+22	1,591702E+22	1,178565E+22	8,145236E+21	6,035673E+21	6,035746E+21	8,145505E+21	1,178611E+22
-1650	1,591737E+22	1,943214E+22	2,145302E+22	2,145279E+22	1,943163E+22	1,591689E+22	1,178567E+22	8,145198E+21	6,035527E+21	6,035502E+21	8,145064E+21	1,178542E+22
-1649	1,591667E+22	1,943183E+22	2,145355E+22	2,145371E+22	1,943228E+22	1,591716E+22	1,178576E+22	8,145197E+21	6,035422E+21	6,035294E+21	8,144910E+21	1,178560E+22
-1648	1,591742E+22	1,943287E+22	2,145434E+22	2,145422E+22	1,943244E+22	1,591692E+22	1,178524E+22	8,144626E+21	6,035014E+21	6,035190E+21	8,145111E+21	1,178578E+22
-1647	1,591712E+22	1,943206E+22	2,145331E+22	2,145364E+22	1,943256E+22	1,591735E+22	1,178559E+22	8,144701E+21	6,034793E+21	6,034719E+21	8,144471E+21	1,178519E+22
-1646	1,591685E+22	1,943252E+22	2,145442E+22	2,145452E+22	1,943300E+22	1,591752E+22	1,178555E+22	8,144554E+21	6,034602E+21	6,034550E+21	8,144507E+21	1,178573E+22
-1645	1,591775E+22	1,943302E+22	2,145437E+22	2,145416E+22	1,943249E+22	1,591709E+22	1,178527E+22	8,144335E+21	6,034472E+21	6,034538E+21	8,144438E+21	1,178528E+22
-1644	1,591703E+22	1,943225E+22	2,145368E+22	2,145397E+22	1,943270E+22	1,591748E+22	1,178574E+22	8,144695E+21	6,034597E+21	6,034404E+21	8,144135E+21	1,178494E+22
-1643	1,591694E+22	1,943299E+22	2,145492E+22	2,145483E+22	1,943301E+22	1,591727E+22	1,178530E+22	8,144422E+21	6,034589E+21	6,034645E+21	8,144648E+21	1,178569E+22
-1642	1,591742E+22	1,943268E+22	2,145401E+22	2,145381E+22	1,943231E+22	1,591703E+22	1,178525E+22	8,144401E+21	6,034624E+21	6,034729E+21	8,144598E+21	1,178532E+22
-1641	1,591678E+22	1,943191E+22	2,145364E+22	2,145397E+22	1,943261E+22	1,591734E+22	1,178563E+22	8,144803E+21	6,034918E+21	6,034827E+21	8,144582E+21	1,178544E+22
-1640	1,591742E+22	1,943293E+22	2,145431E+22	2,145418E+22	1,943250E+22	1,591701E+22	1,178531E+22	8,144645E+21	6,035009E+21	6,035180E+21	8,145137E+21	1,178593E+22
-1639	1,591738E+22	1,943225E+22	2,145318E+22	2,145312E+22	1,943199E+22	1,591706E+22	1,178565E+22	8,145056E+21	6,035327E+21	6,035285E+21	8,144884E+21	1,178531E+22
-1638	1,591664E+22	1,943201E+22	2,145375E+22	2,145376E+22	1,943231E+22	1,591723E+22	1,178589E+22	8,145421E+21	6,035729E+21	6,035631E+21	8,145218E+21	1,178583E+22
-1637	1,591735E+22	1,943238E+22	2,145363E+22	2,145344E+22	1,943185E+22	1,591676E+22	1,178557E+22	8,145354E+21	6,035961E+21	6,036117E+21	8,145718E+21	1,178586E+22
-1636	1,591671E+22	1,943124E+22	2,145230E+22	2,145260E+22	1,943181E+22	1,591722E+22	1,178618E+22	8,145867E+21	6,036278E+21	6,036183E+21	8,145545E+21	1,178554E+22
-1635	1,591643E+22	1,943151E+22	2,145314E+22	2,145330E+22	1,943210E+22	1,591719E+22	1,178603E+22	8,145821E+21	6,036379E+21	6,036414E+21	8,145981E+21	1,178635E+22
-1634	1,591735E+22	1,943175E+22	2,145246E+22	2,145224E+22	1,943122E+22	1,591672E+22	1,178582E+22	8,145709E+21	6,036352E+21	6,036467E+21	8,145934E+21	1,178595E+22
-1633	1,591668E+22	1,943105E+22	2,145204E+22	2,145224E+22	1,943146E+22	1,591705E+22	1,178621E+22	8,146052E+21	6,036474E+21	6,036288E+21	8,145566E+21	1,178567E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1632	1,591693E+22	1,943211E+22	2,145336E+22	2,145312E+22	1,943168E+22	1,591677E+22	1,178575E+22	8,145661E+21	6,036271E+21	6,036352E+21	8,145948E+21	1,178625E+22
-1631	1,591719E+22	1,943171E+22	2,145266E+22	2,145255E+22	1,943142E+22	1,591671E+22	1,178572E+22	8,145539E+21	6,036055E+21	6,036051E+21	8,145481E+21	1,178556E+22
-1630	1,591643E+22	1,943133E+22	2,145307E+22	2,145341E+22	1,943219E+22	1,591720E+22	1,178592E+22	8,145522E+21	6,035866E+21	6,035768E+21	8,145323E+21	1,178584E+22
-1629	1,591733E+22	1,943234E+22	2,145356E+22	2,145352E+22	1,943208E+22	1,591689E+22	1,178546E+22	8,145022E+21	6,035515E+21	6,035683E+21	8,145472E+21	1,178595E+22
-1628	1,591710E+22	1,943182E+22	2,145275E+22	2,145280E+22	1,943199E+22	1,591729E+22	1,178589E+22	8,145180E+21	6,035344E+21	6,035217E+21	8,144782E+21	1,178523E+22
-1627	1,591662E+22	1,943208E+22	2,145395E+22	2,145398E+22	1,943254E+22	1,591736E+22	1,178579E+22	8,145092E+21	6,035270E+21	6,035162E+21	8,144854E+21	1,178572E+22
-1626	1,591754E+22	1,943268E+22	2,145388E+22	2,145359E+22	1,943196E+22	1,591676E+22	1,178530E+22	8,144744E+21	6,035113E+21	6,035216E+21	8,144935E+21	1,178541E+22
-1625	1,591679E+22	1,943177E+22	2,145314E+22	2,145342E+22	1,943227E+22	1,591719E+22	1,178570E+22	8,145056E+21	6,035232E+21	6,035083E+21	8,144659E+21	1,178513E+22
-1624	1,591671E+22	1,943235E+22	2,145415E+22	2,145416E+22	1,943260E+22	1,591716E+22	1,178548E+22	8,144857E+21	6,035210E+21	6,035311E+21	8,145208E+21	1,178601E+22
-1623	1,591737E+22	1,943217E+22	2,145335E+22	2,145323E+22	1,943189E+22	1,591687E+22	1,178543E+22	8,144863E+21	6,035239E+21	6,035341E+21	8,145065E+21	1,178555E+22
-1622	1,591671E+22	1,943153E+22	2,145307E+22	2,145339E+22	1,943223E+22	1,591726E+22	1,178588E+22	8,145316E+21	6,035554E+21	6,035446E+21	8,145043E+21	1,178563E+22
-1621	1,591730E+22	1,943249E+22	2,145363E+22	2,145338E+22	1,943190E+22	1,591682E+22	1,178554E+22	8,145234E+21	6,035784E+21	6,035931E+21	8,145639E+21	1,178603E+22
-1620	1,591715E+22	1,943185E+22	2,145267E+22	2,145240E+22	1,943142E+22	1,591690E+22	1,178592E+22	8,145666E+21	6,036138E+21	6,036093E+21	8,145460E+21	1,178544E+22
-1619	1,591625E+22	1,943124E+22	2,145301E+22	2,145321E+22	1,943198E+22	1,591714E+22	1,178612E+22	8,146011E+21	6,036549E+21	6,036466E+21	8,145824E+21	1,178603E+22
-1618	1,591717E+22	1,943176E+22	2,145271E+22	2,145259E+22	1,943133E+22	1,591658E+22	1,178571E+22	8,145813E+21	6,036653E+21	6,036867E+21	8,146338E+21	1,178620E+22
-1617	1,591668E+22	1,943077E+22	2,145151E+22	2,145174E+22	1,943118E+22	1,591696E+22	1,178629E+22	8,146328E+21	6,036929E+21	6,036822E+21	8,146019E+21	1,178577E+22
-1616	1,591638E+22	1,943107E+22	2,145238E+22	2,145243E+22	1,943146E+22	1,591698E+22	1,178626E+22	8,146349E+21	6,037028E+21	6,037025E+21	8,146406E+21	1,178650E+22
-1615	1,591726E+22	1,943145E+22	2,145209E+22	2,145178E+22	1,943070E+22	1,591643E+22	1,178594E+22	8,146181E+21	6,036976E+21	6,037053E+21	8,146312E+21	1,178600E+22
-1614	1,591646E+22	1,943070E+22	2,145176E+22	2,145201E+22	1,943121E+22	1,591689E+22	1,178632E+22	8,146441E+21	6,037025E+21	6,036864E+21	8,146015E+21	1,178580E+22
-1613	1,591668E+22	1,943155E+22	2,145271E+22	2,145259E+22	1,943139E+22	1,591668E+22	1,178587E+22	8,146039E+21	6,036836E+21	6,036950E+21	8,146415E+21	1,178642E+22
-1612	1,591703E+22	1,943131E+22	2,145212E+22	2,145195E+22	1,943108E+22	1,591675E+22	1,178597E+22	8,145933E+21	6,036569E+21	6,036577E+21	8,145893E+21	1,178574E+22
-1611	1,591627E+22	1,943079E+22	2,145243E+22	2,145289E+22	1,943189E+22	1,591719E+22	1,178618E+22	8,145983E+21	6,036419E+21	6,036277E+21	8,145637E+21	1,178592E+22
-1610	1,591730E+22	1,943206E+22	2,145291E+22	2,145278E+22	1,943156E+22	1,591671E+22	1,178560E+22	8,145429E+21	6,036057E+21	6,036207E+21	8,145822E+21	1,178603E+22
-1609	1,591699E+22	1,943157E+22	2,145238E+22	2,145223E+22	1,943140E+22	1,591696E+22	1,178595E+22	8,145605E+21	6,035950E+21	6,035795E+21	8,145157E+21	1,178526E+22
-1608	1,591632E+22	1,943152E+22	2,145337E+22	2,145345E+22	1,943207E+22	1,591713E+22	1,178592E+22	8,145556E+21	6,035916E+21	6,035832E+21	8,145373E+21	1,178587E+22
-1607	1,591727E+22	1,943207E+22	2,145332E+22	2,145319E+22	1,943164E+22	1,591658E+22	1,178537E+22	8,145127E+21	6,035711E+21	6,035865E+21	8,145480E+21	1,178567E+22
-1606	1,591664E+22	1,943123E+22	2,145248E+22	2,145289E+22	1,943197E+22	1,591713E+22	1,178584E+22	8,145413E+21	6,035757E+21	6,035682E+21	8,145202E+21	1,178546E+22
-1605	1,591670E+22	1,943185E+22	2,145326E+22	2,145325E+22	1,943202E+22	1,591701E+22	1,178568E+22	8,145332E+21	6,035835E+21	6,035936E+21	8,145682E+21	1,178624E+22
-1604	1,591741E+22	1,943197E+22	2,145279E+22	2,145238E+22	1,943125E+22	1,591673E+22	1,178570E+22	8,145413E+21	6,035928E+21	6,035984E+21	8,145490E+21	1,178564E+22
-1603	1,591650E+22	1,943109E+22	2,145259E+22	2,145287E+22	1,943176E+22	1,591709E+22	1,178614E+22	8,145937E+21	6,036349E+21	6,036187E+21	8,145479E+21	1,178565E+22
-1602	1,591706E+22	1,943205E+22	2,145303E+22	2,145280E+22	1,943143E+22	1,591659E+22	1,178567E+22	8,145754E+21	6,036547E+21	6,036723E+21	8,146225E+21	1,178619E+22
-1601	1,591687E+22	1,943129E+22	2,145203E+22	2,145182E+22	1,943098E+22	1,591669E+22	1,178604E+22	8,146167E+21	6,036880E+21	6,036855E+21	8,146044E+21	1,178565E+22
-1600	1,591597E+22	1,943048E+22	2,145209E+22	2,145245E+22	1,943155E+22	1,591710E+22	1,178642E+22	8,146569E+21	6,037263E+21	6,037201E+21	8,146420E+21	1,178631E+22
-1599	1,591703E+22	1,943118E+22	2,145197E+22	2,145191E+22	1,943083E+22	1,591643E+22	1,178594E+22	8,146342E+21	6,037321E+21	6,037513E+21	8,146821E+21	1,178642E+22
-1598	1,591661E+22	1,943039E+22	2,145089E+22	2,145106E+22	1,943069E+22	1,591681E+22	1,178650E+22	8,146827E+21	6,037559E+21	6,037444E+21	8,146485E+21	1,178594E+22
-1597	1,591626E+22	1,943069E+22	2,145174E+22	2,145166E+22	1,943079E+22	1,591669E+22	1,178643E+22	8,146882E+21	6,037737E+21	6,037715E+21	8,146886E+21	1,178662E+22

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	1,591709E+22	1,943112E+22	2,145165E+22	2,145119E+22	1,943019E+22	1,591622E+22	1,178608E+22	8,146648E+21	6,037639E+21	6,037723E+21	8,146811E+21	1,178614E+22
-1595	1,591614E+22	1,943008E+22	2,145117E+22	2,145164E+22	1,943099E+22	1,591681E+22	1,178645E+22	8,146859E+21	6,037638E+21	6,037495E+21	8,146477E+21	1,178598E+22
-1594	1,591660E+22	1,943113E+22	2,145200E+22	2,145194E+22	1,943099E+22	1,591655E+22	1,178597E+22	8,146350E+21	6,037322E+21	6,037486E+21	8,146859E+21	1,178666E+22
-1593	1,591700E+22	1,943099E+22	2,145156E+22	2,145131E+22	1,943058E+22	1,591654E+22	1,178607E+22	8,146297E+21	6,037053E+21	6,037027E+21	8,146194E+21	1,178582E+22
-1592	1,591616E+22	1,943040E+22	2,145182E+22	2,145225E+22	1,943143E+22	1,591707E+22	1,178641E+22	8,146441E+21	6,036968E+21	6,036783E+21	8,145961E+21	1,178594E+22
-1591	1,591706E+22	1,943169E+22	2,145258E+22	2,145244E+22	1,943114E+22	1,591647E+22	1,178572E+22	8,145852E+21	6,036622E+21	6,036742E+21	8,146169E+21	1,178605E+22
-1590	1,591670E+22	1,943112E+22	2,145196E+22	2,145194E+22	1,943115E+22	1,591682E+22	1,178605E+22	8,145972E+21	6,036483E+21	6,036385E+21	8,145653E+21	1,178544E+22
-1589	1,591608E+22	1,943092E+22	2,145257E+22	2,145276E+22	1,943164E+22	1,591700E+22	1,178607E+22	8,145969E+21	6,036513E+21	6,036476E+21	8,145920E+21	1,178614E+22
-1588	1,591717E+22	1,943165E+22	2,145262E+22	2,145242E+22	1,943115E+22	1,591653E+22	1,178561E+22	8,145571E+21	6,036297E+21	6,036470E+21	8,145984E+21	1,178595E+22
-1587	1,591657E+22	1,943076E+22	2,145179E+22	2,145226E+22	1,943156E+22	1,591703E+22	1,178609E+22	8,145925E+21	6,036407E+21	6,036298E+21	8,145609E+21	1,178563E+22
-1586	1,591675E+22	1,943165E+22	2,145262E+22	2,145245E+22	1,943138E+22	1,591675E+22	1,178583E+22	8,145816E+21	6,036504E+21	6,036594E+21	8,146134E+21	1,178637E+22
-1585	1,591729E+22	1,943173E+22	2,145243E+22	2,145184E+22	1,943063E+22	1,591636E+22	1,178581E+22	8,145957E+21	6,036679E+21	6,036697E+21	8,145958E+21	1,178570E+22
-1584	1,591616E+22	1,943048E+22	2,145195E+22	2,145236E+22	1,943136E+22	1,591692E+22	1,178635E+22	8,146529E+21	6,037149E+21	6,036996E+21	8,146086E+21	1,178580E+22
-1583	1,591666E+22	1,943131E+22	2,145236E+22	2,145234E+22	1,943111E+22	1,591648E+22	1,178587E+22	8,146280E+21	6,037284E+21	6,037482E+21	8,146827E+21	1,178645E+22
-1582	1,591666E+22	1,943064E+22	2,145122E+22	2,145117E+22	1,943061E+22	1,591666E+22	1,178631E+22	8,146666E+21	6,037538E+21	6,037566E+21	8,146654E+21	1,178596E+22
-1581	1,591588E+22	1,942988E+22	2,145103E+22	2,145137E+22	1,943083E+22	1,591692E+22	1,178670E+22	8,147158E+21	6,037995E+21	6,037908E+21	8,146946E+21	1,178654E+22
-1580	1,591697E+22	1,943089E+22	2,145130E+22	2,145099E+22	1,943013E+22	1,591623E+22	1,178619E+22	8,146923E+21	6,038059E+21	6,038204E+21	8,147290E+21	1,178655E+22
-1579	1,591640E+22	1,942997E+22	2,145039E+22	2,145055E+22	1,943019E+22	1,591654E+22	1,178665E+22	8,147363E+21	6,038300E+21	6,038152E+21	8,146924E+21	1,178602E+22
-1578	1,591610E+22	1,943030E+22	2,145115E+22	2,145109E+22	1,943031E+22	1,591639E+22	1,178644E+22	8,147266E+21	6,038371E+21	6,038397E+21	8,147420E+21	1,178682E+22
-1577	1,591690E+22	1,943070E+22	2,145116E+22	2,145077E+22	1,942984E+22	1,591600E+22	1,178612E+22	8,147006E+21	6,038190E+21	6,038294E+21	8,147264E+21	1,178634E+22
-1576	1,591596E+22	1,942951E+22	2,145047E+22	2,145109E+22	1,943069E+22	1,591680E+22	1,178669E+22	8,147275E+21	6,038154E+21	6,038018E+21	8,146894E+21	1,178616E+22
-1575	1,591644E+22	1,943070E+22	2,145147E+22	2,145148E+22	1,943066E+22	1,591649E+22	1,178618E+22	8,146759E+21	6,037806E+21	6,037926E+21	8,147154E+21	1,178675E+22
-1574	1,591689E+22	1,943072E+22	2,145111E+22	2,145083E+22	1,943023E+22	1,591647E+22	1,178629E+22	8,146696E+21	6,037543E+21	6,037514E+21	8,146536E+21	1,178587E+22
-1573	1,591594E+22	1,942999E+22	2,145118E+22	2,145156E+22	1,943085E+22	1,591684E+22	1,178659E+22	8,146924E+21	6,037592E+21	6,037391E+21	8,146392E+21	1,178603E+22
-1572	1,591679E+22	1,943125E+22	2,145202E+22	2,145188E+22	1,943074E+22	1,591631E+22	1,178584E+22	8,146287E+21	6,037247E+21	6,037382E+21	8,146673E+21	1,178625E+22
-1571	1,591644E+22	1,943050E+22	2,145126E+22	2,145144E+22	1,943086E+22	1,591670E+22	1,178617E+22	8,146378E+21	6,037091E+21	6,037015E+21	8,146139E+21	1,178571E+22
-1570	1,591611E+22	1,943055E+22	2,145180E+22	2,145195E+22	1,943107E+22	1,591676E+22	1,178615E+22	8,146325E+21	6,037052E+21	6,037060E+21	8,146416E+21	1,178645E+22
-1569	1,591723E+22	1,943145E+22	2,145211E+22	2,145174E+22	1,943052E+22	1,591620E+22	1,178571E+22	8,146012E+21	6,036872E+21	6,037002E+21	8,146347E+21	1,178608E+22
-1568	1,591647E+22	1,943046E+22	2,145128E+22	2,145167E+22	1,943106E+22	1,591686E+22	1,178632E+22	8,146463E+21	6,037080E+21	6,036931E+21	8,146020E+21	1,178567E+22
-1567	1,591644E+22	1,943126E+22	2,145232E+22	2,145215E+22	1,943100E+22	1,591655E+22	1,178600E+22	8,146336E+21	6,037205E+21	6,037268E+21	8,146575E+21	1,178641E+22
-1566	1,591693E+22	1,943117E+22	2,145189E+22	2,145151E+22	1,943045E+22	1,591631E+22	1,178600E+22	8,146441E+21	6,037369E+21	6,037446E+21	8,146553E+21	1,178587E+22
-1565	1,591582E+22	1,942974E+22	2,145096E+22	2,145155E+22	1,943093E+22	1,591687E+22	1,178664E+22	8,147113E+21	6,037922E+21	6,037791E+21	8,146732E+21	1,178610E+22
-1564	1,591645E+22	1,943068E+22	2,145141E+22	2,145143E+22	1,943059E+22	1,591642E+22	1,178618E+22	8,146877E+21	6,038038E+21	6,038223E+21	8,147403E+21	1,178674E+22
-1563	1,591651E+22	1,943002E+22	2,145031E+22	2,145033E+22	1,943006E+22	1,591650E+22	1,178658E+22	8,147289E+21	6,038319E+21	6,038296E+21	8,147145E+21	1,178619E+22
-1562	1,591591E+22	1,942961E+22	2,145028E+22	2,145040E+22	1,943001E+22	1,591653E+22	1,178681E+22	8,147677E+21	6,038730E+21	6,038645E+21	8,147485E+21	1,178674E+22
-1561	1,591684E+22	1,943062E+22	2,145087E+22	2,145037E+22	1,942942E+22	1,591575E+22	1,178623E+22	8,147423E+21	6,038774E+21	6,038906E+21	8,147787E+21	1,178669E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1560	1,591614E+22	1,942945E+22	2,144981E+22	2,145008E+22	1,942984E+22	1,591635E+22	1,178675E+22	8,147810E+21	6,038967E+21	6,038859E+21	8,147481E+21	1,178622E+22
-1559	1,591583E+22	1,942977E+22	2,145064E+22	2,145071E+22	1,943007E+22	1,591629E+22	1,178654E+22	8,147620E+21	6,038908E+21	6,038959E+21	8,147868E+21	1,178705E+22
-1558	1,591679E+22	1,943025E+22	2,145055E+22	2,145031E+22	1,942963E+22	1,591601E+22	1,178633E+22	8,147352E+21	6,038645E+21	6,038783E+21	8,147659E+21	1,178651E+22
-1557	1,591588E+22	1,942911E+22	2,144968E+22	2,145028E+22	1,943017E+22	1,591670E+22	1,178696E+22	8,147768E+21	6,038718E+21	6,038524E+21	8,147226E+21	1,178624E+22
-1556	1,591626E+22	1,943040E+22	2,145095E+22	2,145080E+22	1,943018E+22	1,591638E+22	1,178642E+22	8,147266E+21	6,038413E+21	6,038460E+21	8,147464E+21	1,178674E+22
-1555	1,591657E+22	1,943025E+22	2,145065E+22	2,145044E+22	1,942989E+22	1,591630E+22	1,178645E+22	8,147184E+21	6,038189E+21	6,038122E+21	8,146911E+21	1,178595E+22
-1554	1,591577E+22	1,942958E+22	2,145053E+22	2,145092E+22	1,943038E+22	1,591657E+22	1,178661E+22	8,147274E+21	6,038166E+21	6,038026E+21	8,146918E+21	1,178628E+22
-1553	1,591664E+22	1,943085E+22	2,145148E+22	2,145132E+22	1,943027E+22	1,591604E+22	1,178590E+22	8,146649E+21	6,037779E+21	6,037939E+21	8,147138E+21	1,178652E+22
-1552	1,591636E+22	1,943005E+22	2,145059E+22	2,145085E+22	1,943049E+22	1,591659E+22	1,178634E+22	8,146787E+21	6,037636E+21	6,037576E+21	8,146589E+21	1,178595E+22
-1551	1,591603E+22	1,943025E+22	2,145136E+22	2,145147E+22	1,943068E+22	1,591659E+22	1,178630E+22	8,146743E+21	6,037600E+21	6,037573E+21	8,146760E+21	1,178658E+22
-1550	1,591716E+22	1,943124E+22	2,145175E+22	2,145132E+22	1,943018E+22	1,591608E+22	1,178591E+22	8,146460E+21	6,037470E+21	6,037610E+21	8,146767E+21	1,178614E+22
-1549	1,591620E+22	1,943000E+22	2,145064E+22	2,145102E+22	1,943053E+22	1,591665E+22	1,178655E+22	8,147054E+21	6,037847E+21	6,037682E+21	8,146554E+21	1,178578E+22
-1548	1,591604E+22	1,943061E+22	2,145159E+22	2,145155E+22	1,943069E+22	1,591649E+22	1,178623E+22	8,146910E+21	6,037993E+21	6,038059E+21	8,147167E+21	1,178661E+22
-1547	1,591658E+22	1,943039E+22	2,145098E+22	2,145083E+22	1,943012E+22	1,591627E+22	1,178626E+22	8,147009E+21	6,038147E+21	6,038231E+21	8,147142E+21	1,178619E+22
-1546	1,591579E+22	1,942918E+22	2,144988E+22	2,145043E+22	1,943019E+22	1,591662E+22	1,178682E+22	8,147628E+21	6,038638E+21	6,038535E+21	8,147336E+21	1,178645E+22
-1545	1,591646E+22	1,943033E+22	2,145067E+22	2,145050E+22	1,942978E+22	1,591602E+22	1,178633E+22	8,147441E+21	6,038759E+21	6,038895E+21	8,147873E+21	1,178694E+22
-1544	1,591642E+22	1,942966E+22	2,144970E+22	2,144960E+22	1,942941E+22	1,591618E+22	1,178674E+22	8,147848E+21	6,039069E+21	6,039024E+21	8,147643E+21	1,178631E+22
-1543	1,591565E+22	1,942923E+22	2,144997E+22	2,145002E+22	1,942956E+22	1,591621E+22	1,178687E+22	8,148133E+21	6,039404E+21	6,039322E+21	8,147963E+21	1,178686E+22
-1542	1,591660E+22	1,943018E+22	2,145043E+22	2,145006E+22	1,942924E+22	1,591568E+22	1,178635E+22	8,147794E+21	6,039361E+21	6,039568E+21	8,148318E+21	1,178686E+22
-1541	1,591588E+22	1,942887E+22	2,144903E+22	2,144941E+22	1,942950E+22	1,591633E+22	1,178701E+22	8,148287E+21	6,039586E+21	6,039490E+21	8,147979E+21	1,178645E+22
-1540	1,591565E+22	1,942925E+22	2,144991E+22	2,145006E+22	1,942978E+22	1,591635E+22	1,178684E+22	8,148121E+21	6,039505E+21	6,039511E+21	8,148237E+21	1,178718E+22
-1539	1,591663E+22	1,942977E+22	2,144985E+22	2,144969E+22	1,942930E+22	1,591599E+22	1,178662E+22	8,147887E+21	6,039276E+21	6,039332E+21	8,147965E+21	1,178659E+22
-1538	1,591583E+22	1,942884E+22	2,144905E+22	2,144944E+22	1,942950E+22	1,591641E+22	1,178710E+22	8,148228E+21	6,039339E+21	6,039133E+21	8,147651E+21	1,178636E+22
-1537	1,591604E+22	1,943003E+22	2,145054E+22	2,145029E+22	1,942958E+22	1,591595E+22	1,178646E+22	8,147710E+21	6,039024E+21	6,039062E+21	8,147900E+21	1,178686E+22
-1536	1,591628E+22	1,942968E+22	2,145004E+22	2,144996E+22	1,942956E+22	1,591610E+22	1,178651E+22	8,147560E+21	6,038776E+21	6,038767E+21	8,147454E+21	1,178620E+22
-1535	1,591557E+22	1,942912E+22	2,145005E+22	2,145046E+22	1,943004E+22	1,591639E+22	1,178664E+22	8,147552E+21	6,038632E+21	6,038546E+21	8,147371E+21	1,178658E+22
-1534	1,591667E+22	1,943053E+22	2,145093E+22	2,145078E+22	1,942996E+22	1,591597E+22	1,178603E+22	8,146945E+21	6,038214E+21	6,038426E+21	8,147528E+21	1,178671E+22
-1533	1,591635E+22	1,942978E+22	2,144996E+22	2,145009E+22	1,942996E+22	1,591645E+22	1,178656E+22	8,147263E+21	6,038221E+21	6,038118E+21	8,146946E+21	1,178605E+22
-1532	1,591588E+22	1,942998E+22	2,145090E+22	2,145091E+22	1,943028E+22	1,591647E+22	1,178650E+22	8,147262E+21	6,038267E+21	6,038174E+21	8,147097E+21	1,178656E+22
-1531	1,591679E+22	1,943068E+22	2,145121E+22	2,145094E+22	1,942995E+22	1,591599E+22	1,178612E+22	8,147018E+21	6,038212E+21	6,038311E+21	8,147210E+21	1,178624E+22
-1530	1,591595E+22	1,942942E+22	2,144985E+22	2,145026E+22	1,943006E+22	1,591646E+22	1,178669E+22	8,147545E+21	6,038573E+21	6,038460E+21	8,147188E+21	1,178606E+22
-1529	1,591579E+22	1,942996E+22	2,145080E+22	2,145078E+22	1,943011E+22	1,591625E+22	1,178643E+22	8,147454E+21	6,038700E+21	6,038774E+21	8,147733E+21	1,178690E+22
-1528	1,591643E+22	1,942976E+22	2,145006E+22	2,144997E+22	1,942959E+22	1,591613E+22	1,178652E+22	8,147580E+21	6,038884E+21	6,038974E+21	8,147720E+21	1,178647E+22
-1527	1,591571E+22	1,942883E+22	2,144929E+22	2,144962E+22	1,942953E+22	1,591632E+22	1,178696E+22	8,148140E+21	6,039334E+21	6,039207E+21	8,147805E+21	1,178664E+22
-1526	1,591640E+22	1,943006E+22	2,145022E+22	2,144988E+22	1,942923E+22	1,591576E+22	1,178647E+22	8,147923E+21	6,039457E+21	6,039619E+21	8,148378E+21	1,178705E+22
-1525	1,591618E+22	1,942920E+22	2,144911E+22	2,144896E+22	1,942886E+22	1,591590E+22	1,178689E+22	8,148408E+21	6,039849E+21	6,039806E+21	8,148217E+21	1,178648E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1524	1,591535E+22	1,942864E+22	2,144930E+22	2,144952E+22	1,942933E+22	1,591614E+22	1,178703E+22	8,148631E+21	6,040125E+21	6,040049E+21	8,148499E+21	1,178706E+22
-1523	1,591634E+22	1,942950E+22	2,144966E+22	2,144952E+22	1,942905E+22	1,591573E+22	1,178662E+22	8,148309E+21	6,040032E+21	6,040221E+21	8,148787E+21	1,178711E+22
-1522	1,591585E+22	1,942842E+22	2,144819E+22	2,144848E+22	1,942891E+22	1,591618E+22	1,178723E+22	8,148763E+21	6,040201E+21	6,040103E+21	8,148444E+21	1,178666E+22
-1521	1,591556E+22	1,942890E+22	2,144934E+22	2,144932E+22	1,942913E+22	1,591607E+22	1,178705E+22	8,148647E+21	6,040121E+21	6,040062E+21	8,148571E+21	1,178723E+22
-1520	1,591642E+22	1,942936E+22	2,144933E+22	2,144911E+22	1,942882E+22	1,591579E+22	1,178678E+22	8,148370E+21	6,039921E+21	6,039962E+21	8,148388E+21	1,178665E+22
-1519	1,591551E+22	1,942843E+22	2,144871E+22	2,144904E+22	1,942911E+22	1,591613E+22	1,178710E+22	8,148570E+21	6,039885E+21	6,039707E+21	8,148089E+21	1,178652E+22
-1518	1,591588E+22	1,942960E+22	2,145007E+22	2,144991E+22	1,942938E+22	1,591586E+22	1,178652E+22	8,147967E+21	6,039491E+21	6,039626E+21	8,148384E+21	1,178709E+22
-1517	1,591616E+22	1,942918E+22	2,144934E+22	2,144928E+22	1,942914E+22	1,591599E+22	1,178668E+22	8,147934E+21	6,039282E+21	6,039301E+21	8,147909E+21	1,178648E+22
-1516	1,591554E+22	1,942872E+22	2,144942E+22	2,144987E+22	1,942975E+22	1,591636E+22	1,178683E+22	8,147957E+21	6,039147E+21	6,039028E+21	8,147696E+21	1,178671E+22
-1515	1,591660E+22	1,943022E+22	2,145042E+22	2,145024E+22	1,942964E+22	1,591593E+22	1,178628E+22	8,147433E+21	6,038809E+21	6,038945E+21	8,147814E+21	1,178677E+22
-1514	1,591629E+22	1,942954E+22	2,144946E+22	2,144933E+22	1,942933E+22	1,591617E+22	1,178670E+22	8,147739E+21	6,038875E+21	6,038768E+21	8,147391E+21	1,178613E+22
-1513	1,591559E+22	1,942949E+22	2,145045E+22	2,145043E+22	1,942978E+22	1,591616E+22	1,178663E+22	8,147785E+21	6,038966E+21	6,038865E+21	8,147577E+21	1,178666E+22
-1512	1,591644E+22	1,942997E+22	2,145045E+22	2,145036E+22	1,942963E+22	1,591589E+22	1,178629E+22	8,147513E+21	6,038937E+21	6,039081E+21	8,147824E+21	1,178649E+22
-1511	1,591570E+22	1,942883E+22	2,144916E+22	2,144953E+22	1,942956E+22	1,591629E+22	1,178684E+22	8,147987E+21	6,039212E+21	6,039137E+21	8,147745E+21	1,178640E+22
-1510	1,591580E+22	1,942951E+22	2,145006E+22	2,144998E+22	1,942958E+22	1,591611E+22	1,178663E+22	8,147909E+21	6,039337E+21	6,039447E+21	8,148239E+21	1,178710E+22
-1509	1,591636E+22	1,942936E+22	2,144931E+22	2,144903E+22	1,942885E+22	1,591586E+22	1,178675E+22	8,148183E+21	6,039649E+21	6,039701E+21	8,148224E+21	1,178663E+22
-1508	1,591554E+22	1,942845E+22	2,144876E+22	2,144903E+22	1,942906E+22	1,591609E+22	1,178712E+22	8,148706E+21	6,040116E+21	6,039956E+21	8,148281E+21	1,178671E+22
-1507	1,591609E+22	1,942950E+22	2,144966E+22	2,144945E+22	1,942896E+22	1,591565E+22	1,178666E+22	8,148486E+21	6,040242E+21	6,040385E+21	8,148905E+21	1,178722E+22
-1506	1,591598E+22	1,942865E+22	2,144837E+22	2,144823E+22	1,942840E+22	1,591574E+22	1,178704E+22	8,148888E+21	6,040565E+21	6,040576E+21	8,148848E+21	1,178678E+22
-1505	1,591517E+22	1,942805E+22	2,144860E+22	2,144887E+22	1,942884E+22	1,591598E+22	1,178727E+22	8,149157E+21	6,040779E+21	6,040699E+21	8,148985E+21	1,178727E+22
-1504	1,591618E+22	1,942892E+22	2,144885E+22	2,144881E+22	1,942866E+22	1,591570E+22	1,178691E+22	8,148849E+21	6,040699E+21	6,040869E+21	8,149259E+21	1,178728E+22
-1503	1,591572E+22	1,942811E+22	2,144772E+22	2,144778E+22	1,942834E+22	1,591598E+22	1,178740E+22	8,149221E+21	6,040798E+21	6,040677E+21	8,148840E+21	1,178679E+22
-1502	1,591544E+22	1,942855E+22	2,144889E+22	2,144876E+22	1,942863E+22	1,591585E+22	1,178716E+22	8,149038E+21	6,040703E+21	6,040679E+21	8,148996E+21	1,178727E+22
-1501	1,591613E+22	1,942883E+22	2,144873E+22	2,144851E+22	1,942834E+22	1,591554E+22	1,178689E+22	8,148810E+21	6,040548E+21	6,040617E+21	8,148911E+21	1,178685E+22
-1500	1,591532E+22	1,942789E+22	2,144805E+22	2,144854E+22	1,942886E+22	1,591601E+22	1,178715E+22	8,148903E+21	6,040423E+21	6,040277E+21	8,148538E+21	1,178674E+22
-1499	1,591577E+22	1,942908E+22	2,144937E+22	2,144933E+22	1,942910E+22	1,591585E+22	1,178670E+22	8,148343E+21	6,039994E+21	6,040114E+21	8,148752E+21	1,178735E+22
-1498	1,591627E+22	1,942893E+22	2,144871E+22	2,144847E+22	1,942854E+22	1,591577E+22	1,178680E+22	8,148307E+21	6,039781E+21	6,039796E+21	8,148281E+21	1,178665E+22
-1497	1,591553E+22	1,942853E+22	2,144906E+22	2,144929E+22	1,942913E+22	1,591606E+22	1,178699E+22	8,148421E+21	6,039697E+21	6,039518E+21	8,147964E+21	1,178668E+22
-1496	1,591635E+22	1,942984E+22	2,145002E+22	2,144983E+22	1,942928E+22	1,591579E+22	1,178646E+22	8,147918E+21	6,039458E+21	6,039578E+21	8,148218E+21	1,178676E+22
-1495	1,591591E+22	1,942910E+22	2,144913E+22	2,144895E+22	1,942899E+22	1,591598E+22	1,178679E+22	8,148142E+21	6,039488E+21	6,039414E+21	8,147880E+21	1,178628E+22
-1494	1,591534E+22	1,942888E+22	2,144980E+22	2,144992E+22	1,942952E+22	1,591613E+22	1,178680E+22	8,148175E+21	6,039580E+21	6,039561E+21	8,148128E+21	1,178684E+22
-1493	1,591619E+22	1,942928E+22	2,144956E+22	2,144953E+22	1,942912E+22	1,591580E+22	1,178657E+22	8,148062E+21	6,039639E+21	6,039797E+21	8,148409E+21	1,178680E+22
-1492	1,591563E+22	1,942828E+22	2,144830E+22	2,144874E+22	1,942910E+22	1,591616E+22	1,178706E+22	8,148544E+21	6,039937E+21	6,039825E+21	8,148223E+21	1,178659E+22
-1491	1,591573E+22	1,942910E+22	2,144936E+22	2,144921E+22	1,942904E+22	1,591596E+22	1,178690E+22	8,148528E+21	6,040118E+21	6,040165E+21	8,148714E+21	1,178728E+22
-1490	1,591629E+22	1,942902E+22	2,144871E+22	2,144820E+22	1,942807E+22	1,591547E+22	1,178687E+22	8,148742E+21	6,040449E+21	6,040523E+21	8,148844E+21	1,178683E+22
-1489	1,591530E+22	1,942793E+22	2,144823E+22	2,144849E+22	1,942850E+22	1,591576E+22	1,178725E+22	8,149250E+21	6,040882E+21	6,040745E+21	8,148877E+21	1,178691E+22

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	1,591581E+22	1,942883E+22	2,144889E+22	2,144886E+22	1,942866E+22	1,591560E+22	1,178686E+22	8,148991E+21	6,040982E+21	6,041178E+21	8,149541E+21	1,178749E+22
-1487	1,591580E+22	1,942814E+22	2,144771E+22	2,144752E+22	1,942794E+22	1,591564E+22	1,178723E+22	8,149330E+21	6,041179E+21	6,041215E+21	8,149359E+21	1,178707E+22
-1486	1,591518E+22	1,942764E+22	2,144791E+22	2,144817E+22	1,942839E+22	1,591590E+22	1,178750E+22	8,149608E+21	6,041383E+21	6,041305E+21	8,149391E+21	1,178735E+22
-1485	1,591602E+22	1,942852E+22	2,144818E+22	2,144799E+22	1,942801E+22	1,591548E+22	1,178716E+22	8,149413E+21	6,041381E+21	6,041494E+21	8,149667E+21	1,178735E+22
-1484	1,591547E+22	1,942763E+22	2,144716E+22	2,144729E+22	1,942794E+22	1,591576E+22	1,178753E+22	8,149702E+21	6,041453E+21	6,041298E+21	8,149236E+21	1,178683E+22
-1483	1,591515E+22	1,942801E+22	2,144830E+22	2,144833E+22	1,942836E+22	1,591575E+22	1,178732E+22	8,149476E+21	6,041312E+21	6,041279E+21	8,149450E+21	1,178746E+22
-1482	1,591599E+22	1,942835E+22	2,144802E+22	2,144778E+22	1,942782E+22	1,591533E+22	1,178697E+22	8,149155E+21	6,041083E+21	6,041212E+21	8,149439E+21	1,178715E+22
-1481	1,591527E+22	1,942749E+22	2,144750E+22	2,144797E+22	1,942836E+22	1,591581E+22	1,178731E+22	8,149276E+21	6,040896E+21	6,040758E+21	8,148910E+21	1,178693E+22
-1480	1,591575E+22	1,942875E+22	2,144878E+22	2,144876E+22	1,942874E+22	1,591577E+22	1,178689E+22	8,148756E+21	6,040525E+21	6,040625E+21	8,149101E+21	1,178743E+22
-1479	1,591617E+22	1,942880E+22	2,144846E+22	2,144796E+22	1,942804E+22	1,591555E+22	1,178691E+22	8,148680E+21	6,040291E+21	6,040285E+21	8,148599E+21	1,178671E+22
-1478	1,591538E+22	1,942823E+22	2,144875E+22	2,144895E+22	1,942877E+22	1,591588E+22	1,178710E+22	8,148804E+21	6,040276E+21	6,040125E+21	8,148359E+21	1,178664E+22
-1477	1,591593E+22	1,942920E+22	2,144940E+22	2,144933E+22	1,942892E+22	1,591565E+22	1,178663E+22	8,148413E+21	6,040135E+21	6,040273E+21	8,148764E+21	1,178694E+22
-1476	1,591561E+22	1,942838E+22	2,144831E+22	2,144842E+22	1,942876E+22	1,591595E+22	1,178697E+22	8,148596E+21	6,040144E+21	6,040097E+21	8,148422E+21	1,178654E+22
-1475	1,591520E+22	1,942825E+22	2,144887E+22	2,144913E+22	1,942911E+22	1,591613E+22	1,178710E+22	8,148709E+21	6,040247E+21	6,040208E+21	8,148641E+21	1,178715E+22
-1474	1,591623E+22	1,942889E+22	2,144870E+22	2,144848E+22	1,942832E+22	1,591551E+22	1,178676E+22	8,148599E+21	6,040348E+21	6,040505E+21	8,148963E+21	1,178707E+22
-1473	1,591561E+22	1,942800E+22	2,144777E+22	2,144798E+22	1,942830E+22	1,591576E+22	1,178723E+22	8,149103E+21	6,040667E+21	6,040528E+21	8,148691E+21	1,178670E+22
-1472	1,591552E+22	1,942866E+22	2,144881E+22	2,144867E+22	1,942856E+22	1,591571E+22	1,178705E+22	8,149080E+21	6,040908E+21	6,040968E+21	8,149289E+21	1,178740E+22
-1471	1,591601E+22	1,942861E+22	2,144830E+22	2,144773E+22	1,942766E+22	1,591524E+22	1,178695E+22	8,149181E+21	6,041138E+21	6,041264E+21	8,149441E+21	1,178710E+22
-1470	1,591514E+22	1,942739E+22	2,144758E+22	2,144794E+22	1,942818E+22	1,591572E+22	1,178743E+22	8,149679E+21	6,041537E+21	6,041463E+21	8,149425E+21	1,178708E+22
-1469	1,591555E+22	1,942817E+22	2,144803E+22	2,144809E+22	1,942821E+22	1,591558E+22	1,178721E+22	8,149585E+21	6,041692E+21	6,041865E+21	8,150063E+21	1,178773E+22
-1468	1,591568E+22	1,942761E+22	2,144690E+22	2,144683E+22	1,942755E+22	1,591556E+22	1,178751E+22	8,149903E+21	6,041882E+21	6,041854E+21	8,149760E+21	1,178716E+22
-1467	1,591502E+22	1,942719E+22	2,144718E+22	2,144742E+22	1,942788E+22	1,591580E+22	1,178780E+22	8,150212E+21	6,042107E+21	6,041949E+21	8,149806E+21	1,178744E+22
-1466	1,591579E+22	1,942806E+22	2,144753E+22	2,144723E+22	1,942730E+22	1,591510E+22	1,178726E+22	8,149919E+21	6,042097E+21	6,042220E+21	8,150226E+21	1,178754E+22
-1465	1,591522E+22	1,942710E+22	2,144659E+22	2,144674E+22	1,942737E+22	1,591541E+22	1,178758E+22	8,150121E+21	6,042073E+21	6,041952E+21	8,149755E+21	1,178705E+22
-1464	1,591495E+22	1,942744E+22	2,144758E+22	2,144775E+22	1,942801E+22	1,591564E+22	1,178743E+22	8,149847E+21	6,041876E+21	6,041898E+21	8,149972E+21	1,178772E+22
-1463	1,591593E+22	1,942809E+22	2,144755E+22	2,144719E+22	1,942734E+22	1,591513E+22	1,178704E+22	8,149447E+21	6,041517E+21	6,041673E+21	8,149823E+21	1,178740E+22
-1462	1,591535E+22	1,942732E+22	2,144707E+22	2,144746E+22	1,942796E+22	1,591567E+22	1,178742E+22	8,149593E+21	6,041356E+21	6,041215E+21	8,149181E+21	1,178692E+22
-1461	1,591555E+22	1,942846E+22	2,144836E+22	2,144825E+22	1,942830E+22	1,591563E+22	1,178710E+22	8,149231E+21	6,041103E+21	6,041153E+21	8,149425E+21	1,178743E+22
-1460	1,591587E+22	1,942833E+22	2,144801E+22	2,144773E+22	1,942787E+22	1,591544E+22	1,178705E+22	8,149120E+21	6,040896E+21	6,040864E+21	8,148963E+21	1,178672E+22
-1459	1,591504E+22	1,942763E+22	2,144807E+22	2,144853E+22	1,942862E+22	1,591592E+22	1,178735E+22	8,149285E+21	6,040905E+21	6,040744E+21	8,148851E+21	1,178684E+22
-1458	1,591568E+22	1,942857E+22	2,144854E+22	2,144854E+22	1,942839E+22	1,591549E+22	1,178683E+22	8,148878E+21	6,040774E+21	6,040955E+21	8,149362E+21	1,178729E+22
-1457	1,591553E+22	1,942785E+22	2,144753E+22	2,144764E+22	1,942811E+22	1,591572E+22	1,178721E+22	8,149109E+21	6,040779E+21	6,040736E+21	8,148928E+21	1,178681E+22
-1456	1,591519E+22	1,942787E+22	2,144809E+22	2,144831E+22	1,942852E+22	1,591594E+22	1,178733E+22	8,149257E+21	6,040961E+21	6,040911E+21	8,149154E+21	1,178733E+22
-1455	1,591615E+22	1,942874E+22	2,144828E+22	2,144774E+22	1,942759E+22	1,591514E+22	1,178685E+22	8,149072E+21	6,041027E+21	6,041188E+21	8,149460E+21	1,178726E+22
-1454	1,591550E+22	1,942770E+22	2,144737E+22	2,144754E+22	1,942783E+22	1,591546E+22	1,178728E+22	8,149548E+21	6,041383E+21	6,041285E+21	8,149219E+21	1,178678E+22
-1453	1,591517E+22	1,942805E+22	2,144812E+22	2,144812E+22	1,942816E+22	1,591554E+22	1,178722E+22	8,149614E+21	6,041667E+21	6,041747E+21	8,149899E+21	1,178765E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1452	1,591574E+22	1,942788E+22	2,144745E+22	2,144722E+22	1,942744E+22	1,591521E+22	1,178717E+22	8,149695E+21	6,041846E+21	6,041974E+21	8,149968E+21	1,178732E+22
-1451	1,591499E+22	1,942680E+22	2,144668E+22	2,144719E+22	1,942780E+22	1,591576E+22	1,178781E+22	8,150291E+21	6,042247E+21	6,042117E+21	8,149912E+21	1,178730E+22
-1450	1,591541E+22	1,942770E+22	2,144718E+22	2,144709E+22	1,942744E+22	1,591532E+22	1,178747E+22	8,150198E+21	6,042447E+21	6,042572E+21	8,150559E+21	1,178789E+22
-1449	1,591550E+22	1,942720E+22	2,144631E+22	2,144609E+22	1,942681E+22	1,591524E+22	1,178773E+22	8,150488E+21	6,042620E+21	6,042556E+21	8,150216E+21	1,178723E+22
-1448	1,591473E+22	1,942667E+22	2,144653E+22	2,144683E+22	1,942741E+22	1,591556E+22	1,178793E+22	8,150720E+21	6,042839E+21	6,042703E+21	8,150360E+21	1,178756E+22
-1447	1,591551E+22	1,942765E+22	2,144701E+22	2,144667E+22	1,942685E+22	1,591484E+22	1,178727E+22	8,150250E+21	6,042660E+21	6,042849E+21	8,150772E+21	1,178786E+22
-1446	1,591516E+22	1,942670E+22	2,144603E+22	2,144626E+22	1,942705E+22	1,591527E+22	1,178763E+22	8,150401E+21	6,042564E+21	6,042506E+21	8,150197E+21	1,178725E+22
-1445	1,591484E+22	1,942701E+22	2,144693E+22	2,144714E+22	1,942762E+22	1,591553E+22	1,178763E+22	8,150267E+21	6,042394E+21	6,042397E+21	8,150359E+21	1,178793E+22
-1444	1,591591E+22	1,942775E+22	2,144701E+22	2,144677E+22	1,942710E+22	1,591507E+22	1,178724E+22	8,149867E+21	6,042035E+21	6,042132E+21	8,150085E+21	1,178743E+22
-1443	1,591522E+22	1,942708E+22	2,144664E+22	2,144700E+22	1,942763E+22	1,591564E+22	1,178769E+22	8,150088E+21	6,041932E+21	6,041724E+21	8,149508E+21	1,178694E+22
-1442	1,591523E+22	1,942800E+22	2,144783E+22	2,144769E+22	1,942780E+22	1,591537E+22	1,178724E+22	8,149704E+21	6,041748E+21	6,041800E+21	8,149911E+21	1,178757E+22
-1441	1,591557E+22	1,942776E+22	2,144737E+22	2,144720E+22	1,942744E+22	1,591526E+22	1,178720E+22	8,149555E+21	6,041511E+21	6,041512E+21	8,149479E+21	1,178694E+22
-1440	1,591484E+22	1,942700E+22	2,144716E+22	2,144779E+22	1,942823E+22	1,591586E+22	1,178755E+22	8,149736E+21	6,041536E+21	6,041417E+21	8,149408E+21	1,178713E+22
-1439	1,591564E+22	1,942826E+22	2,144787E+22	2,144772E+22	1,942776E+22	1,591524E+22	1,178695E+22	8,149282E+21	6,041333E+21	6,041529E+21	8,149839E+21	1,178761E+22
-1438	1,591563E+22	1,942767E+22	2,144701E+22	2,144694E+22	1,942748E+22	1,591540E+22	1,178727E+22	8,149527E+21	6,041398E+21	6,041344E+21	8,149314E+21	1,178687E+22
-1437	1,591498E+22	1,942754E+22	2,144762E+22	2,144769E+22	1,942791E+22	1,591563E+22	1,178749E+22	8,149804E+21	6,041685E+21	6,041603E+21	8,149622E+21	1,178743E+22
-1436	1,591587E+22	1,942824E+22	2,144778E+22	2,144746E+22	1,942735E+22	1,591495E+22	1,178697E+22	8,149567E+21	6,041749E+21	6,041902E+21	8,149941E+21	1,178735E+22
-1435	1,591518E+22	1,942711E+22	2,144667E+22	2,144704E+22	1,942761E+22	1,591549E+22	1,178756E+22	8,150098E+21	6,042107E+21	6,042006E+21	8,149788E+21	1,178701E+22
-1434	1,591487E+22	1,942735E+22	2,144723E+22	2,144731E+22	1,942766E+22	1,591543E+22	1,178749E+22	8,150196E+21	6,042424E+21	6,042511E+21	8,150507E+21	1,178795E+22
-1433	1,591560E+22	1,942729E+22	2,144659E+22	2,144640E+22	1,942686E+22	1,591507E+22	1,178750E+22	8,150315E+21	6,042601E+21	6,042696E+21	8,150483E+21	1,178753E+22
-1432	1,591486E+22	1,942631E+22	2,144579E+22	2,144629E+22	1,942723E+22	1,591563E+22	1,178812E+22	8,150935E+21	6,043056E+21	6,042893E+21	8,150446E+21	1,178743E+22
-1431	1,591519E+22	1,942738E+22	2,144665E+22	2,144631E+22	1,942669E+22	1,591494E+22	1,178759E+22	8,150713E+21	6,043170E+21	6,043299E+21	8,151099E+21	1,178809E+22
-1430	1,591531E+22	1,942677E+22	2,144579E+22	2,144556E+22	1,942629E+22	1,591487E+22	1,178772E+22	8,150904E+21	6,043316E+21	6,043296E+21	8,150761E+21	1,178738E+22
-1429	1,591442E+22	1,942607E+22	2,144582E+22	2,144621E+22	1,942699E+22	1,591535E+22	1,178803E+22	8,151147E+21	6,043482E+21	6,043392E+21	8,150945E+21	1,178789E+22
-1428	1,591539E+22	1,942708E+22	2,144627E+22	2,144618E+22	1,942662E+22	1,591477E+22	1,178740E+22	8,150616E+21	6,043187E+21	6,043390E+21	8,151187E+21	1,178810E+22
-1427	1,591518E+22	1,942641E+22	2,144541E+22	2,144566E+22	1,942674E+22	1,591528E+22	1,178790E+22	8,150841E+21	6,043066E+21	6,042957E+21	8,150532E+21	1,178743E+22
-1426	1,591478E+22	1,942675E+22	2,144640E+22	2,144643E+22	1,942704E+22	1,591531E+22	1,178782E+22	8,150734E+21	6,042965E+21	6,042908E+21	8,150676E+21	1,178800E+22
-1425	1,591573E+22	1,942745E+22	2,144665E+22	2,144633E+22	1,942663E+22	1,591486E+22	1,178742E+22	8,150332E+21	6,042624E+21	6,042678E+21	8,150403E+21	1,178741E+22
-1424	1,591490E+22	1,942661E+22	2,144610E+22	2,144657E+22	1,942737E+22	1,591554E+22	1,178786E+22	8,150544E+21	6,042566E+21	6,042374E+21	8,149978E+21	1,178702E+22
-1423	1,591489E+22	1,942753E+22	2,144726E+22	2,144711E+22	1,942740E+22	1,591520E+22	1,178732E+22	8,150047E+21	6,042281E+21	6,042385E+21	8,150406E+21	1,178784E+22
-1422	1,591545E+22	1,942729E+22	2,144673E+22	2,144661E+22	1,942706E+22	1,591511E+22	1,178728E+22	8,149907E+21	6,042059E+21	6,042095E+21	8,149927E+21	1,178716E+22
-1421	1,591474E+22	1,942656E+22	2,144642E+22	2,144700E+22	1,942769E+22	1,591566E+22	1,178774E+22	8,150215E+21	6,042144E+21	6,042006E+21	8,149858E+21	1,178737E+22
-1420	1,591560E+22	1,942788E+22	2,144725E+22	2,144712E+22	1,942733E+22	1,591504E+22	1,178711E+22	8,149761E+21	6,041967E+21	6,042114E+21	8,150200E+21	1,178771E+22
-1419	1,591551E+22	1,942741E+22	2,144657E+22	2,144642E+22	1,942704E+22	1,591522E+22	1,178748E+22	8,150062E+21	6,042086E+21	6,042000E+21	8,149785E+21	1,178699E+22
-1418	1,591466E+22	1,942700E+22	2,144703E+22	2,144709E+22	1,942737E+22	1,591531E+22	1,178758E+22	8,150330E+21	6,042449E+21	6,042383E+21	8,150217E+21	1,178765E+22
-1417	1,591559E+22	1,942758E+22	2,144705E+22	2,144685E+22	1,942696E+22	1,591483E+22	1,178718E+22	8,150081E+21	6,042485E+21	6,042674E+21	8,150538E+21	1,178760E+22

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	1,591497E+22	1,942647E+22	2,144573E+22	2,144622E+22	1,942721E+22	1,591548E+22	1,178786E+22	8,150678E+21	6,042874E+21	6,042797E+21	8,150396E+21	1,178726E+22
-1415	1,591473E+22	1,942692E+22	2,144644E+22	2,144638E+22	1,942700E+22	1,591522E+22	1,178772E+22	8,150740E+21	6,043131E+21	6,043207E+21	8,151023E+21	1,178820E+22
-1414	1,591556E+22	1,942696E+22	2,144595E+22	2,144562E+22	1,942623E+22	1,591478E+22	1,178763E+22	8,150856E+21	6,043359E+21	6,043421E+21	8,150939E+21	1,178760E+22
-1413	1,591458E+22	1,942583E+22	2,144515E+22	2,144555E+22	1,942661E+22	1,591532E+22	1,178829E+22	8,151517E+21	6,043838E+21	6,043656E+21	8,150992E+21	1,178760E+22
-1412	1,591491E+22	1,942674E+22	2,144600E+22	2,144588E+22	1,942639E+22	1,591474E+22	1,178769E+22	8,151184E+21	6,043862E+21	6,044001E+21	8,151609E+21	1,178828E+22
-1411	1,591512E+22	1,942626E+22	2,144514E+22	2,144501E+22	1,942600E+22	1,591484E+22	1,178793E+22	8,151354E+21	6,043921E+21	6,043925E+21	8,151306E+21	1,178768E+22
-1410	1,591426E+22	1,942553E+22	2,144509E+22	2,144548E+22	1,942647E+22	1,591517E+22	1,178820E+22	8,151598E+21	6,044084E+21	6,044000E+21	8,151436E+21	1,178818E+22
-1409	1,591540E+22	1,942673E+22	2,144566E+22	2,144551E+22	1,942616E+22	1,591468E+22	1,178766E+22	8,151083E+21	6,043762E+21	6,043929E+21	8,151538E+21	1,178821E+22
-1408	1,591511E+22	1,942614E+22	2,144485E+22	2,144499E+22	1,942632E+22	1,591521E+22	1,178815E+22	8,151349E+21	6,043695E+21	6,043544E+21	8,150883E+21	1,178742E+22
-1407	1,591456E+22	1,942653E+22	2,144608E+22	2,144592E+22	1,942652E+22	1,591503E+22	1,178791E+22	8,151145E+21	6,043540E+21	6,043474E+21	8,151055E+21	1,178807E+22
-1406	1,591548E+22	1,942702E+22	2,144623E+22	2,144597E+22	1,942631E+22	1,591459E+22	1,178740E+22	8,150682E+21	6,043213E+21	6,043287E+21	8,150825E+21	1,178748E+22
-1405	1,591453E+22	1,942594E+22	2,144536E+22	2,144594E+22	1,942703E+22	1,591542E+22	1,178799E+22	8,150942E+21	6,043144E+21	6,042992E+21	8,150504E+21	1,178731E+22
-1404	1,591474E+22	1,942686E+22	2,144648E+22	2,144656E+22	1,942711E+22	1,591513E+22	1,178748E+22	8,150424E+21	6,042801E+21	6,042913E+21	8,150809E+21	1,178807E+22
-1403	1,591546E+22	1,942697E+22	2,144608E+22	2,144587E+22	1,942659E+22	1,591502E+22	1,178753E+22	8,150368E+21	6,042605E+21	6,042616E+21	8,150331E+21	1,178736E+22
-1402	1,591465E+22	1,942625E+22	2,144588E+22	2,144623E+22	1,942700E+22	1,591533E+22	1,178786E+22	8,150706E+21	6,042807E+21	6,042638E+21	8,150284E+21	1,178751E+22
-1401	1,591546E+22	1,942753E+22	2,144682E+22	2,144658E+22	1,942681E+22	1,591479E+22	1,178726E+22	8,150252E+21	6,042661E+21	6,042800E+21	8,150649E+21	1,178777E+22
-1400	1,591523E+22	1,942690E+22	2,144597E+22	2,144591E+22	1,942675E+22	1,591512E+22	1,178765E+22	8,150571E+21	6,042825E+21	6,042775E+21	8,150356E+21	1,178715E+22
-1399	1,591439E+22	1,942650E+22	2,144638E+22	2,144645E+22	1,942696E+22	1,591517E+22	1,178773E+22	8,150773E+21	6,043107E+21	6,043090E+21	8,150791E+21	1,178795E+22
-1398	1,591547E+22	1,942704E+22	2,144632E+22	2,144619E+22	1,942655E+22	1,591470E+22	1,178735E+22	8,150584E+21	6,043190E+21	6,043377E+21	8,151047E+21	1,178780E+22
-1397	1,591480E+22	1,942592E+22	2,144489E+22	2,144533E+22	1,942666E+22	1,591537E+22	1,178818E+22	8,151308E+21	6,043645E+21	6,043534E+21	8,150937E+21	1,178751E+22
-1396	1,591460E+22	1,942636E+22	2,144572E+22	2,144568E+22	1,942649E+22	1,591505E+22	1,178797E+22	8,151341E+21	6,043900E+21	6,043925E+21	8,151473E+21	1,178829E+22
-1395	1,591535E+22	1,942655E+22	2,144539E+22	2,144497E+22	1,942569E+22	1,591458E+22	1,178788E+22	8,151459E+21	6,044129E+21	6,044182E+21	8,151519E+21	1,178778E+22
-1394	1,591426E+22	1,942520E+22	2,144443E+22	2,144483E+22	1,942600E+22	1,591496E+22	1,178836E+22	8,152036E+21	6,044615E+21	6,044462E+21	8,151634E+21	1,178791E+22
-1393	1,591475E+22	1,942612E+22	2,144522E+22	2,144516E+22	1,942594E+22	1,591461E+22	1,178786E+22	8,151638E+21	6,044535E+21	6,044712E+21	8,152171E+21	1,178857E+22
-1392	1,591506E+22	1,942579E+22	2,144439E+22	2,144427E+22	1,942558E+22	1,591478E+22	1,178817E+22	8,151835E+21	6,044557E+21	6,044575E+21	8,151795E+21	1,178790E+22
-1391	1,591427E+22	1,942533E+22	2,144456E+22	2,144474E+22	1,942587E+22	1,591493E+22	1,178834E+22	8,152009E+21	6,044628E+21	6,044521E+21	8,151787E+21	1,178831E+22
-1390	1,591535E+22	1,942653E+22	2,144531E+22	2,144502E+22	1,942571E+22	1,591443E+22	1,178773E+22	8,151502E+21	6,044355E+21	6,044467E+21	8,151820E+21	1,178814E+22
-1389	1,591477E+22	1,942571E+22	2,144445E+22	2,144455E+22	1,942595E+22	1,591503E+22	1,178829E+22	8,151798E+21	6,044307E+21	6,044145E+21	8,151295E+21	1,178749E+22
-1388	1,591419E+22	1,942581E+22	2,144549E+22	2,144562E+22	1,942638E+22	1,591497E+22	1,178803E+22	8,151517E+21	6,044087E+21	6,044033E+21	8,151450E+21	1,178816E+22
-1387	1,591521E+22	1,942644E+22	2,144558E+22	2,144545E+22	1,942609E+22	1,591463E+22	1,178763E+22	8,151074E+21	6,043716E+21	6,043829E+21	8,151318E+21	1,178775E+22
-1386	1,591437E+22	1,942536E+22	2,144458E+22	2,144515E+22	1,942645E+22	1,591521E+22	1,178814E+22	8,151366E+21	6,043708E+21	6,043564E+21	8,150977E+21	1,178762E+22
-1385	1,591480E+22	1,942649E+22	2,144578E+22	2,144573E+22	1,942655E+22	1,591499E+22	1,178769E+22	8,150876E+21	6,043385E+21	6,043477E+21	8,151197E+21	1,178822E+22
-1384	1,591545E+22	1,942674E+22	2,144557E+22	2,144517E+22	1,942604E+22	1,591483E+22	1,178771E+22	8,150865E+21	6,043270E+21	6,043272E+21	8,150765E+21	1,178743E+22
-1383	1,591450E+22	1,942602E+22	2,144554E+22	2,144568E+22	1,942640E+22	1,591495E+22	1,178789E+22	8,151113E+21	6,043440E+21	6,043300E+21	8,150770E+21	1,178766E+22
-1382	1,591526E+22	1,942709E+22	2,144636E+22	2,144617E+22	1,942649E+22	1,591454E+22	1,178725E+22	8,150658E+21	6,043338E+21	6,043504E+21	8,151160E+21	1,178791E+22
-1381	1,591493E+22	1,942624E+22	2,144522E+22	2,144525E+22	1,942641E+22	1,591508E+22	1,178786E+22	8,151062E+21	6,043516E+21	6,043501E+21	8,150949E+21	1,178746E+22

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	1,591424E+22	1,942578E+22	2,144554E+22	2,144581E+22	1,942662E+22	1,591515E+22	1,178803E+22	8,151310E+21	6,043782E+21	6,043741E+21	8,151243E+21	1,178812E+22
-1379	1,591539E+22	1,942663E+22	2,144561E+22	2,144539E+22	1,942603E+22	1,591464E+22	1,178771E+22	8,151212E+21	6,043911E+21	6,044056E+21	8,151544E+21	1,178796E+22
-1378	1,591457E+22	1,942541E+22	2,144421E+22	2,144444E+22	1,942587E+22	1,591502E+22	1,178839E+22	8,151957E+21	6,044486E+21	6,044331E+21	8,151483E+21	1,178767E+22
-1377	1,591439E+22	1,942582E+22	2,144505E+22	2,144495E+22	1,942590E+22	1,591482E+22	1,178817E+22	8,151926E+21	6,044721E+21	6,044749E+21	8,152049E+21	1,178842E+22
-1376	1,591507E+22	1,942594E+22	2,144463E+22	2,144428E+22	1,942527E+22	1,591444E+22	1,178805E+22	8,152001E+21	6,044920E+21	6,045017E+21	8,152157E+21	1,178801E+22
-1375	1,591409E+22	1,942472E+22	2,144375E+22	2,144412E+22	1,942547E+22	1,591474E+22	1,178845E+22	8,152444E+21	6,045250E+21	6,045156E+21	8,152216E+21	1,178825E+22
-1374	1,591476E+22	1,942572E+22	2,144459E+22	2,144454E+22	1,942549E+22	1,591439E+22	1,178795E+22	8,152069E+21	6,045158E+21	6,045317E+21	8,152596E+21	1,178872E+22
-1373	1,591495E+22	1,942539E+22	2,144375E+22	2,144358E+22	1,942512E+22	1,591467E+22	1,178840E+22	8,152335E+21	6,045184E+21	6,045168E+21	8,152206E+21	1,178804E+22
-1372	1,591411E+22	1,942488E+22	2,144411E+22	2,144433E+22	1,942551E+22	1,591481E+22	1,178854E+22	8,152475E+21	6,045220E+21	6,045066E+21	8,152094E+21	1,178827E+22
-1371	1,591507E+22	1,942613E+22	2,144491E+22	2,144463E+22	1,942539E+22	1,591434E+22	1,178794E+22	8,151966E+21	6,044936E+21	6,045055E+21	8,152272E+21	1,178822E+22
-1370	1,591436E+22	1,942502E+22	2,144377E+22	2,144396E+22	1,942550E+22	1,591482E+22	1,178839E+22	8,152216E+21	6,044924E+21	6,044796E+21	8,151830E+21	1,178775E+22
-1369	1,591404E+22	1,942516E+22	2,144463E+22	2,144486E+22	1,942598E+22	1,591495E+22	1,178822E+22	8,151896E+21	6,044635E+21	6,044623E+21	8,151927E+21	1,178840E+22
-1368	1,591518E+22	1,942599E+22	2,144479E+22	2,144465E+22	1,942560E+22	1,591455E+22	1,178786E+22	8,151514E+21	6,044279E+21	6,044398E+21	8,151753E+21	1,178797E+22
-1367	1,591446E+22	1,942522E+22	2,144407E+22	2,144439E+22	1,942576E+22	1,591487E+22	1,178819E+22	8,151727E+21	6,044223E+21	6,044074E+21	8,151344E+21	1,178779E+22
-1366	1,591483E+22	1,942637E+22	2,144549E+22	2,144525E+22	1,942600E+22	1,591461E+22	1,178769E+22	8,151274E+21	6,043982E+21	6,044035E+21	8,151527E+21	1,178821E+22
-1365	1,591518E+22	1,942636E+22	2,144521E+22	2,144479E+22	1,942568E+22	1,591463E+22	1,178782E+22	8,151299E+21	6,043900E+21	6,043919E+21	8,151249E+21	1,178756E+22
-1364	1,591420E+22	1,942539E+22	2,144502E+22	2,144541E+22	1,942625E+22	1,591492E+22	1,178804E+22	8,151524E+21	6,044036E+21	6,043917E+21	8,151214E+21	1,178776E+22
-1363	1,591500E+22	1,942655E+22	2,144573E+22	2,144566E+22	1,942627E+22	1,591464E+22	1,178758E+22	8,151161E+21	6,043952E+21	6,044145E+21	8,151699E+21	1,178814E+22
-1362	1,591471E+22	1,942558E+22	2,144436E+22	2,144443E+22	1,942585E+22	1,591495E+22	1,178816E+22	8,151666E+21	6,044266E+21	6,044227E+21	8,151499E+21	1,178773E+22
-1361	1,591419E+22	1,942523E+22	2,144461E+22	2,144484E+22	1,942603E+22	1,591509E+22	1,178837E+22	8,151952E+21	6,044583E+21	6,044499E+21	8,151748E+21	1,178823E+22
-1360	1,591520E+22	1,942619E+22	2,144492E+22	2,144456E+22	1,942537E+22	1,591443E+22	1,178799E+22	8,151887E+21	6,044783E+21	6,044907E+21	8,152129E+21	1,178810E+22
-1359	1,591437E+22	1,942498E+22	2,144361E+22	2,144371E+22	1,942510E+22	1,591455E+22	1,178841E+22	8,152463E+21	6,045270E+21	6,045158E+21	8,152129E+21	1,178793E+22
-1358	1,591420E+22	1,942527E+22	2,144436E+22	2,144433E+22	1,942539E+22	1,591446E+22	1,178815E+22	8,152376E+21	6,045470E+21	6,045535E+21	8,152662E+21	1,178867E+22
-1357	1,591487E+22	1,942534E+22	2,144385E+22	2,144356E+22	1,942481E+22	1,591430E+22	1,178821E+22	8,152452E+21	6,045586E+21	6,045737E+21	8,152770E+21	1,178837E+22
-1356	1,591404E+22	1,942418E+22	2,144304E+22	2,144352E+22	1,942507E+22	1,591465E+22	1,178866E+22	8,152892E+21	6,045832E+21	6,045719E+21	8,152602E+21	1,178839E+22
-1355	1,591471E+22	1,942548E+22	2,144409E+22	2,144393E+22	1,942508E+22	1,591436E+22	1,178825E+22	8,152582E+21	6,045746E+21	6,045870E+21	8,152981E+21	1,178879E+22
-1354	1,591469E+22	1,942495E+22	2,144325E+22	2,144299E+22	1,942456E+22	1,591442E+22	1,178858E+22	8,152865E+21	6,045867E+21	6,045803E+21	8,152616E+21	1,178811E+22
-1353	1,591386E+22	1,942432E+22	2,144346E+22	2,144377E+22	1,942517E+22	1,591475E+22	1,178874E+22	8,152951E+21	6,045870E+21	6,045713E+21	8,152534E+21	1,178830E+22
-1352	1,591471E+22	1,942552E+22	2,144421E+22	2,144406E+22	1,942509E+22	1,591430E+22	1,178815E+22	8,152421E+21	6,045559E+21	6,045705E+21	8,152774E+21	1,178840E+22
-1351	1,591421E+22	1,942455E+22	2,144308E+22	2,144325E+22	1,942494E+22	1,591458E+22	1,178847E+22	8,152556E+21	6,045430E+21	6,045350E+21	8,152316E+21	1,178807E+22
-1350	1,591409E+22	1,942485E+22	2,144400E+22	2,144420E+22	1,942545E+22	1,591467E+22	1,178828E+22	8,152277E+21	6,045165E+21	6,045129E+21	8,152293E+21	1,178855E+22
-1349	1,591515E+22	1,942575E+22	2,144425E+22	2,144397E+22	1,942507E+22	1,591436E+22	1,178802E+22	8,151942E+21	6,044839E+21	6,044941E+21	8,152148E+21	1,178812E+22
-1348	1,591437E+22	1,942494E+22	2,144378E+22	2,144406E+22	1,942535E+22	1,591465E+22	1,178831E+22	8,152126E+21	6,044773E+21	6,044600E+21	8,151667E+21	1,178779E+22
-1347	1,591460E+22	1,942607E+22	2,144520E+22	2,144500E+22	1,942574E+22	1,591448E+22	1,178784E+22	8,151701E+21	6,044560E+21	6,044644E+21	8,152011E+21	1,178831E+22
-1346	1,591479E+22	1,942568E+22	2,144456E+22	2,144430E+22	1,942533E+22	1,591449E+22	1,178796E+22	8,151760E+21	6,044568E+21	6,044615E+21	8,151814E+21	1,178784E+22
-1345	1,591405E+22	1,942473E+22	2,144411E+22	2,144465E+22	1,942591E+22	1,591500E+22	1,178836E+22	8,152037E+21	6,044711E+21	6,044608E+21	8,151740E+21	1,178795E+22

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	1,591483E+22	1,942600E+22	2,144485E+22	2,144479E+22	1,942574E+22	1,591460E+22	1,178795E+22	8,151788E+21	6,044704E+21	6,044863E+21	8,152194E+21	1,178832E+22
-1343	1,591464E+22	1,942524E+22	2,144365E+22	2,144353E+22	1,942505E+22	1,591459E+22	1,178832E+22	8,152228E+21	6,045017E+21	6,044961E+21	8,152022E+21	1,178793E+22
-1342	1,591410E+22	1,942488E+22	2,144402E+22	2,144413E+22	1,942532E+22	1,591464E+22	1,178843E+22	8,152512E+21	6,045388E+21	6,045274E+21	8,152269E+21	1,178832E+22
-1341	1,591487E+22	1,942560E+22	2,144422E+22	2,144391E+22	1,942486E+22	1,591416E+22	1,178811E+22	8,152411E+21	6,045562E+21	6,045727E+21	8,152788E+21	1,178837E+22
-1340	1,591410E+22	1,942432E+22	2,144294E+22	2,144323E+22	1,942476E+22	1,591439E+22	1,178853E+22	8,152893E+21	6,045928E+21	6,045860E+21	8,152687E+21	1,178818E+22
-1339	1,591407E+22	1,942480E+22	2,144371E+22	2,144374E+22	1,942501E+22	1,591441E+22	1,178841E+22	8,152853E+21	6,046081E+21	6,046189E+21	8,153228E+21	1,178895E+22
-1338	1,591472E+22	1,942480E+22	2,144308E+22	2,144281E+22	1,942427E+22	1,591415E+22	1,178846E+22	8,153009E+21	6,046282E+21	6,046399E+21	8,153255E+21	1,178861E+22
-1337	1,591403E+22	1,942382E+22	2,144231E+22	2,144271E+22	1,942460E+22	1,591464E+22	1,178899E+22	8,153466E+21	6,046540E+21	6,046373E+21	8,152995E+21	1,178839E+22
-1336	1,591442E+22	1,942508E+22	2,144357E+22	2,144332E+22	1,942459E+22	1,591424E+22	1,178855E+22	8,153194E+21	6,046498E+21	6,046571E+21	8,153411E+21	1,178882E+22
-1335	1,591440E+22	1,942447E+22	2,144268E+22	2,144244E+22	1,942402E+22	1,591408E+22	1,178863E+22	8,153302E+21	6,046525E+21	6,046488E+21	8,153147E+21	1,178832E+22
-1334	1,591365E+22	1,942376E+22	2,144271E+22	2,144319E+22	1,942476E+22	1,591447E+22	1,178876E+22	8,153335E+21	6,046472E+21	6,046336E+21	8,153031E+21	1,178851E+22
-1333	1,591451E+22	1,942495E+22	2,144340E+22	2,144335E+22	1,942466E+22	1,591419E+22	1,178831E+22	8,152804E+21	6,046088E+21	6,046273E+21	8,153281E+21	1,178874E+22
-1332	1,591420E+22	1,942418E+22	2,144252E+22	2,144269E+22	1,942447E+22	1,591439E+22	1,178860E+22	8,152906E+21	6,045887E+21	6,045788E+21	8,152626E+21	1,178820E+22
-1331	1,591410E+22	1,942477E+22	2,144369E+22	2,144370E+22	1,942499E+22	1,591450E+22	1,178846E+22	8,152678E+21	6,045658E+21	6,045613E+21	8,152642E+21	1,178861E+22
-1330	1,591491E+22	1,942542E+22	2,144389E+22	2,144355E+22	1,942460E+22	1,591408E+22	1,178811E+22	8,152385E+21	6,045452E+21	6,045532E+21	8,152547E+21	1,178822E+22
-1329	1,591416E+22	1,942448E+22	2,144318E+22	2,144360E+22	1,942515E+22	1,591464E+22	1,178848E+22	8,152554E+21	6,045390E+21	6,045230E+21	8,152105E+21	1,178784E+22
-1328	1,591424E+22	1,942549E+22	2,144455E+22	2,144451E+22	1,942552E+22	1,591454E+22	1,178812E+22	8,152202E+21	6,045213E+21	6,045301E+21	8,152499E+21	1,178851E+22
-1327	1,591464E+22	1,942516E+22	2,144379E+22	2,144360E+22	1,942481E+22	1,591429E+22	1,178813E+22	8,152213E+21	6,045188E+21	6,045258E+21	8,152337E+21	1,178814E+22
-1326	1,591402E+22	1,942429E+22	2,144326E+22	2,144383E+22	1,942532E+22	1,591474E+22	1,178854E+22	8,152585E+21	6,045413E+21	6,045265E+21	8,152204E+21	1,178811E+22
-1325	1,591465E+22	1,942557E+22	2,144411E+22	2,144395E+22	1,942511E+22	1,591440E+22	1,178819E+22	8,152369E+21	6,045456E+21	6,045601E+21	8,152742E+21	1,178852E+22
-1324	1,591443E+22	1,942478E+22	2,144314E+22	2,144295E+22	1,942443E+22	1,591425E+22	1,178845E+22	8,152748E+21	6,045750E+21	6,045692E+21	8,152536E+21	1,178805E+22
-1323	1,591385E+22	1,942445E+22	2,144348E+22	2,144361E+22	1,942487E+22	1,591440E+22	1,178855E+22	8,153003E+21	6,046105E+21	6,046057E+21	8,152923E+21	1,178856E+22
-1322	1,591455E+22	1,942490E+22	2,144338E+22	2,144320E+22	1,942435E+22	1,591394E+22	1,178824E+22	8,152915E+21	6,046312E+21	6,046515E+21	8,153436E+21	1,178876E+22
-1321	1,591407E+22	1,942376E+22	2,144199E+22	2,144237E+22	1,942434E+22	1,591441E+22	1,178881E+22	8,153419E+21	6,046629E+21	6,046565E+21	8,153207E+21	1,178840E+22
-1320	1,591397E+22	1,942439E+22	2,144299E+22	2,144297E+22	1,942451E+22	1,591435E+22	1,178876E+22	8,153488E+21	6,046827E+21	6,046865E+21	8,153653E+21	1,178908E+22
-1319	1,591464E+22	1,942449E+22	2,144251E+22	2,144210E+22	1,942360E+22	1,591382E+22	1,178863E+22	8,153559E+21	6,047004E+21	6,047078E+21	8,153697E+21	1,178871E+22
-1318	1,591383E+22	1,942345E+22	2,144179E+22	2,144218E+22	1,942408E+22	1,591430E+22	1,178910E+22	8,154010E+21	6,047277E+21	6,047070E+21	8,153443E+21	1,178839E+22
-1317	1,591397E+22	1,942445E+22	2,144290E+22	2,144279E+22	1,942425E+22	1,591411E+22	1,178871E+22	8,153671E+21	6,047176E+21	6,047279E+21	8,153970E+21	1,178901E+22
-1316	1,591407E+22	1,942382E+22	2,144205E+22	2,144197E+22	1,942371E+22	1,591397E+22	1,178877E+22	8,153677E+21	6,047069E+21	6,047065E+21	8,153616E+21	1,178855E+22
-1315	1,591355E+22	1,942335E+22	2,144208E+22	2,144260E+22	1,942438E+22	1,591438E+22	1,178896E+22	8,153714E+21	6,046964E+21	6,046872E+21	8,153508E+21	1,178877E+22
-1314	1,591441E+22	1,942449E+22	2,144267E+22	2,144262E+22	1,942414E+22	1,591399E+22	1,178848E+22	8,153251E+21	6,046658E+21	6,046813E+21	8,153685E+21	1,178899E+22
-1313	1,591427E+22	1,942398E+22	2,144195E+22	2,144200E+22	1,942405E+22	1,591432E+22	1,178880E+22	8,153348E+21	6,046464E+21	6,046334E+21	8,152966E+21	1,178823E+22
-1312	1,591389E+22	1,942451E+22	2,144335E+22	2,144326E+22	1,942457E+22	1,591431E+22	1,178864E+22	8,153167E+21	6,046292E+21	6,046211E+21	8,153017E+21	1,178867E+22
-1311	1,591467E+22	1,942499E+22	2,144341E+22	2,144314E+22	1,942420E+22	1,591378E+22	1,178812E+22	8,152749E+21	6,046040E+21	6,046159E+21	8,153039E+21	1,178844E+22
-1310	1,591399E+22	1,942399E+22	2,144250E+22	2,144305E+22	1,942480E+22	1,591444E+22	1,178855E+22	8,152952E+21	6,045980E+21	6,045840E+21	8,152580E+21	1,178803E+22
-1309	1,591399E+22	1,942487E+22	2,144370E+22	2,144375E+22	1,942511E+22	1,591449E+22	1,178838E+22	8,152675E+21	6,045819E+21	6,045916E+21	8,152988E+21	1,178876E+22

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	1,591452E+22	1,942472E+22	2,144315E+22	2,144292E+22	1,942430E+22	1,591411E+22	1,178834E+22	8,152698E+21	6,045796E+21	6,045826E+21	8,152720E+21	1,178827E+22
-1307	1,591394E+22	1,942406E+22	2,144277E+22	2,144316E+22	1,942474E+22	1,591450E+22	1,178874E+22	8,153108E+21	6,046087E+21	6,045938E+21	8,152688E+21	1,178821E+22
-1306	1,591432E+22	1,942501E+22	2,144347E+22	2,144330E+22	1,942451E+22	1,591406E+22	1,178833E+22	8,152935E+21	6,046242E+21	6,046379E+21	8,153310E+21	1,178874E+22
-1305	1,591422E+22	1,942423E+22	2,144236E+22	2,144227E+22	1,942407E+22	1,591416E+22	1,178861E+22	8,153260E+21	6,046508E+21	6,046481E+21	8,153124E+21	1,178823E+22
-1304	1,591355E+22	1,942388E+22	2,144276E+22	2,144294E+22	1,942446E+22	1,591432E+22	1,178882E+22	8,153572E+21	6,046864E+21	6,046818E+21	8,153494E+21	1,178886E+22
-1303	1,591448E+22	1,942439E+22	2,144260E+22	2,144244E+22	1,942379E+22	1,591370E+22	1,178841E+22	8,153434E+21	6,047026E+21	6,047238E+21	8,153996E+21	1,178907E+22
-1302	1,591409E+22	1,942342E+22	2,144125E+22	2,144159E+22	1,942378E+22	1,591416E+22	1,178903E+22	8,154016E+21	6,047381E+21	6,047260E+21	8,153664E+21	1,178850E+22
-1301	1,591373E+22	1,942395E+22	2,144236E+22	2,144226E+22	1,942399E+22	1,591421E+22	1,178905E+22	8,154103E+21	6,047602E+21	6,047604E+21	8,154153E+21	1,178919E+22
-1300	1,591431E+22	1,942399E+22	2,144207E+22	2,144166E+22	1,942314E+22	1,591357E+22	1,178878E+22	8,154077E+21	6,047710E+21	6,047775E+21	8,154179E+21	1,178880E+22
-1299	1,591351E+22	1,942292E+22	2,144120E+22	2,144168E+22	1,942375E+22	1,591415E+22	1,178923E+22	8,154445E+21	6,047924E+21	6,047788E+21	8,154051E+21	1,178862E+22
-1298	1,591363E+22	1,942366E+22	2,144201E+22	2,144205E+22	1,942381E+22	1,591397E+22	1,178886E+22	8,154106E+21	6,047808E+21	6,047949E+21	8,154540E+21	1,178939E+22
-1297	1,591409E+22	1,942331E+22	2,144110E+22	2,144107E+22	1,942328E+22	1,591395E+22	1,178898E+22	8,154102E+21	6,047632E+21	6,047633E+21	8,154038E+21	1,178875E+22
-1296	1,591353E+22	1,942309E+22	2,144152E+22	2,144187E+22	1,942385E+22	1,591423E+22	1,178919E+22	8,154208E+21	6,047554E+21	6,047395E+21	8,153832E+21	1,178893E+22
-1295	1,591444E+22	1,942432E+22	2,144228E+22	2,144202E+22	1,942350E+22	1,591360E+22	1,178850E+22	8,153640E+21	6,047223E+21	6,047354E+21	8,154033E+21	1,178908E+22
-1294	1,591416E+22	1,942373E+22	2,144160E+22	2,144160E+22	1,942362E+22	1,591397E+22	1,178882E+22	8,153742E+21	6,047034E+21	6,046890E+21	8,153324E+21	1,178824E+22
-1293	1,591352E+22	1,942398E+22	2,144284E+22	2,144288E+22	1,942438E+22	1,591425E+22	1,178877E+22	8,153542E+21	6,046845E+21	6,046797E+21	8,153475E+21	1,178883E+22
-1292	1,591437E+22	1,942443E+22	2,144290E+22	2,144273E+22	1,942395E+22	1,591373E+22	1,178828E+22	8,153102E+21	6,046533E+21	6,046670E+21	8,153433E+21	1,178861E+22
-1291	1,591386E+22	1,942359E+22	2,144188E+22	2,144245E+22	1,942446E+22	1,591441E+22	1,178880E+22	8,153380E+21	6,046525E+21	6,046414E+21	8,153042E+21	1,178822E+22
-1290	1,591379E+22	1,942430E+22	2,144289E+22	2,144292E+22	1,942457E+22	1,591434E+22	1,178862E+22	8,153234E+21	6,046515E+21	6,046566E+21	8,153435E+21	1,178895E+22
-1289	1,591445E+22	1,942435E+22	2,144242E+22	2,144208E+22	1,942377E+22	1,591399E+22	1,178859E+22	8,153279E+21	6,046552E+21	6,046549E+21	8,153186E+21	1,178833E+22
-1288	1,591365E+22	1,942362E+22	2,144226E+22	2,144255E+22	1,942419E+22	1,591422E+22	1,178893E+22	8,153718E+21	6,046904E+21	6,046726E+21	8,153237E+21	1,178842E+22
-1287	1,591411E+22	1,942440E+22	2,144275E+22	2,144264E+22	1,942395E+22	1,591369E+22	1,178834E+22	8,153404E+21	6,047001E+21	6,047194E+21	8,153972E+21	1,178909E+22
-1286	1,591413E+22	1,942369E+22	2,144157E+22	2,144153E+22	1,942356E+22	1,591389E+22	1,178873E+22	8,153752E+21	6,047224E+21	6,047234E+21	8,153723E+21	1,178851E+22
-1285	1,591341E+22	1,942333E+22	2,144195E+22	2,144214E+22	1,942398E+22	1,591424E+22	1,178908E+22	8,154114E+21	6,047577E+21	6,047538E+21	8,154044E+21	1,178911E+22
-1284	1,591436E+22	1,942402E+22	2,144206E+22	2,144178E+22	1,942328E+22	1,591353E+22	1,178864E+22	8,153982E+21	6,047722E+21	6,047889E+21	8,154414E+21	1,178917E+22
-1283	1,591394E+22	1,942314E+22	2,144083E+22	2,144101E+22	1,942330E+22	1,591399E+22	1,178925E+22	8,154567E+21	6,048116E+21	6,047998E+21	8,154172E+21	1,178857E+22
-1282	1,591330E+22	1,942322E+22	2,144163E+22	2,144166E+22	1,942355E+22	1,591402E+22	1,178925E+22	8,154688E+21	6,048393E+21	6,048382E+21	8,154709E+21	1,178937E+22
-1281	1,591404E+22	1,942333E+22	2,144119E+22	2,144096E+22	1,942289E+22	1,591359E+22	1,178901E+22	8,154585E+21	6,048422E+21	6,048510E+21	8,154737E+21	1,178900E+22
-1280	1,591325E+22	1,942232E+22	2,144044E+22	2,144093E+22	1,942328E+22	1,591406E+22	1,178949E+22	8,154960E+21	6,048578E+21	6,048430E+21	8,154550E+21	1,178894E+22
-1279	1,591363E+22	1,942316E+22	2,144119E+22	2,144121E+22	1,942318E+22	1,591368E+22	1,178897E+22	8,154526E+21	6,048388E+21	6,048534E+21	8,155001E+21	1,178969E+22
-1278	1,591421E+22	1,942313E+22	2,144055E+22	2,144033E+22	1,942266E+22	1,591362E+22	1,178908E+22	8,154535E+21	6,048199E+21	6,048168E+21	8,154388E+21	1,178883E+22
-1277	1,591340E+22	1,942285E+22	2,144115E+22	2,144131E+22	1,942335E+22	1,591401E+22	1,178931E+22	8,154628E+21	6,048131E+21	6,047961E+21	8,154207E+21	1,178898E+22
-1276	1,591417E+22	1,942400E+22	2,144209E+22	2,144178E+22	1,942320E+22	1,591336E+22	1,178854E+22	8,153986E+21	6,047745E+21	6,047881E+21	8,154391E+21	1,178913E+22
-1275	1,591391E+22	1,942334E+22	2,144122E+22	2,144130E+22	1,942346E+22	1,591389E+22	1,178889E+22	8,154045E+21	6,047539E+21	6,047468E+21	8,153797E+21	1,178839E+22
-1274	1,591319E+22	1,942322E+22	2,144203E+22	2,144226E+22	1,942408E+22	1,591424E+22	1,178898E+22	8,153964E+21	6,047407E+21	6,047373E+21	8,153925E+21	1,178907E+22
-1273	1,591431E+22	1,942392E+22	2,144203E+22	2,144193E+22	1,942362E+22	1,591378E+22	1,178857E+22	8,153588E+21	6,047126E+21	6,047236E+21	8,153817E+21	1,178872E+22

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	1,591372E+22	1,942324E+22	2,144131E+22	2,144167E+22	1,942388E+22	1,591426E+22	1,178909E+22	8,153971E+21	6,047223E+21	6,047031E+21	8,153429E+21	1,178836E+22
-1271	1,591370E+22	1,942389E+22	2,144230E+22	2,144218E+22	1,942387E+22	1,591394E+22	1,178871E+22	8,153743E+21	6,047245E+21	6,047291E+21	8,153938E+21	1,178912E+22
-1270	1,591431E+22	1,942394E+22	2,144185E+22	2,144147E+22	1,942321E+22	1,591361E+22	1,178864E+22	8,153776E+21	6,047286E+21	6,047311E+21	8,153750E+21	1,178849E+22
-1269	1,591334E+22	1,942301E+22	2,144159E+22	2,144196E+22	1,942382E+22	1,591408E+22	1,178906E+22	8,154177E+21	6,047611E+21	6,047497E+21	8,153872E+21	1,178871E+22
-1268	1,591392E+22	1,942387E+22	2,144217E+22	2,144206E+22	1,942355E+22	1,591354E+22	1,178850E+22	8,153845E+21	6,047634E+21	6,047859E+21	8,154503E+21	1,178937E+22
-1267	1,591410E+22	1,942331E+22	2,144096E+22	2,144088E+22	1,942315E+22	1,591381E+22	1,178896E+22	8,154246E+21	6,047895E+21	6,047936E+21	8,154261E+21	1,178873E+22
-1266	1,591324E+22	1,942278E+22	2,144116E+22	2,144133E+22	1,942346E+22	1,591414E+22	1,178940E+22	8,154750E+21	6,048364E+21	6,048276E+21	8,154535E+21	1,178926E+22
-1265	1,591421E+22	1,942358E+22	2,144132E+22	2,144099E+22	1,942282E+22	1,591346E+22	1,178895E+22	8,154628E+21	6,048543E+21	6,048665E+21	8,154902E+21	1,178919E+22
-1264	1,591354E+22	1,942257E+22	2,144025E+22	2,144039E+22	1,942282E+22	1,591381E+22	1,178951E+22	8,155217E+21	6,048955E+21	6,048799E+21	8,154741E+21	1,178879E+22
-1263	1,591305E+22	1,942245E+22	2,144073E+22	2,144087E+22	1,942299E+22	1,591371E+22	1,178931E+22	8,155161E+21	6,049130E+21	6,049167E+21	8,155341E+21	1,178970E+22
-1262	1,591397E+22	1,942275E+22	2,144028E+22	2,144007E+22	1,942225E+22	1,591331E+22	1,178914E+22	8,155046E+21	6,049059E+21	6,049176E+21	8,155274E+21	1,178927E+22
-1261	1,591319E+22	1,942187E+22	2,143970E+22	2,144012E+22	1,942271E+22	1,591387E+22	1,178966E+22	8,155403E+21	6,049167E+21	6,049020E+21	8,155002E+21	1,178916E+22
-1260	1,591361E+22	1,942297E+22	2,144086E+22	2,144062E+22	1,942260E+22	1,591338E+22	1,178906E+22	8,154920E+21	6,048917E+21	6,049028E+21	8,155306E+21	1,178975E+22
-1259	1,591413E+22	1,942301E+22	2,144039E+22	2,144000E+22	1,942227E+22	1,591340E+22	1,178915E+22	8,154882E+21	6,048737E+21	6,048731E+21	8,154760E+21	1,178883E+22
-1258	1,591303E+22	1,942230E+22	2,144068E+22	2,144097E+22	1,942311E+22	1,591389E+22	1,178944E+22	8,155032E+21	6,048712E+21	6,048549E+21	8,154614E+21	1,178905E+22
-1257	1,591391E+22	1,942343E+22	2,144139E+22	2,144131E+22	1,942313E+22	1,591348E+22	1,178876E+22	8,154387E+21	6,048298E+21	6,048446E+21	8,154793E+21	1,178921E+22
-1256	1,591361E+22	1,942277E+22	2,144060E+22	2,144075E+22	1,942317E+22	1,591394E+22	1,178920E+22	8,154540E+21	6,048125E+21	6,048018E+21	8,154213E+21	1,178865E+22
-1255	1,591314E+22	1,942262E+22	2,144116E+22	2,144145E+22	1,942354E+22	1,591405E+22	1,178916E+22	8,154432E+21	6,048021E+21	6,047976E+21	8,154372E+21	1,178929E+22
-1254	1,591432E+22	1,942360E+22	2,144137E+22	2,144109E+22	1,942293E+22	1,591351E+22	1,178876E+22	8,154114E+21	6,047783E+21	6,047873E+21	8,154261E+21	1,178883E+22
-1253	1,591355E+22	1,942286E+22	2,144081E+22	2,144100E+22	1,942324E+22	1,591396E+22	1,178923E+22	8,154472E+21	6,047927E+21	6,047753E+21	8,153966E+21	1,178851E+22
-1252	1,591345E+22	1,942348E+22	2,144191E+22	2,144171E+22	1,942336E+22	1,591360E+22	1,178872E+22	8,154154E+21	6,047898E+21	6,047989E+21	8,154487E+21	1,178934E+22
-1251	1,591417E+22	1,942351E+22	2,144133E+22	2,144098E+22	1,942287E+22	1,591344E+22	1,178868E+22	8,154124E+21	6,047915E+21	6,048049E+21	8,154374E+21	1,178878E+22
-1250	1,591315E+22	1,942232E+22	2,144070E+22	2,144119E+22	1,942339E+22	1,591401E+22	1,178928E+22	8,154666E+21	6,048282E+21	6,048189E+21	8,154413E+21	1,178901E+22
-1249	1,591393E+22	1,942342E+22	2,144131E+22	2,144125E+22	1,942318E+22	1,591358E+22	1,178883E+22	8,154435E+21	6,048352E+21	6,048526E+21	8,154936E+21	1,178947E+22
-1248	1,591393E+22	1,942296E+22	2,144043E+22	2,144017E+22	1,942258E+22	1,591367E+22	1,178931E+22	8,154939E+21	6,048708E+21	6,048644E+21	8,154695E+21	1,178885E+22
-1247	1,591302E+22	1,942217E+22	2,144044E+22	2,144059E+22	1,942281E+22	1,591382E+22	1,178957E+22	8,155365E+21	6,049201E+21	6,049093E+21	8,155085E+21	1,178936E+22
-1246	1,591392E+22	1,942299E+22	2,144063E+22	2,144032E+22	1,942225E+22	1,591319E+22	1,178912E+22	8,155202E+21	6,049332E+21	6,049478E+21	8,155509E+21	1,178934E+22
-1245	1,591318E+22	1,942185E+22	2,143943E+22	2,143965E+22	1,942232E+22	1,591367E+22	1,178970E+22	8,155716E+21	6,049678E+21	6,049575E+21	8,155380E+21	1,178908E+22
-1244	1,591287E+22	1,942191E+22	2,144004E+22	2,144014E+22	1,942244E+22	1,591350E+22	1,178945E+22	8,155587E+21	6,049730E+21	6,049793E+21	8,155847E+21	1,178998E+22
-1243	1,591401E+22	1,942246E+22	2,143970E+22	2,143941E+22	1,942177E+22	1,591312E+22	1,178925E+22	8,155436E+21	6,049639E+21	6,049788E+21	8,155735E+21	1,178945E+22
-1242	1,591309E+22	1,942148E+22	2,143909E+22	2,143944E+22	1,942220E+22	1,591369E+22	1,178984E+22	8,155878E+21	6,049789E+21	6,049610E+21	8,155393E+21	1,178927E+22
-1241	1,591350E+22	1,942268E+22	2,144039E+22	2,144015E+22	1,942229E+22	1,591329E+22	1,178925E+22	8,155393E+21	6,049541E+21	6,049621E+21	8,155675E+21	1,178973E+22
-1240	1,591377E+22	1,942255E+22	2,144005E+22	2,143972E+22	1,942201E+22	1,591329E+22	1,178932E+22	8,155354E+21	6,049359E+21	6,049325E+21	8,155199E+21	1,178901E+22
-1239	1,591280E+22	1,942160E+22	2,143990E+22	2,144039E+22	1,942276E+22	1,591377E+22	1,178954E+22	8,155401E+21	6,049281E+21	6,049166E+21	8,155115E+21	1,178929E+22
-1238	1,591381E+22	1,942292E+22	2,144060E+22	2,144055E+22	1,942262E+22	1,591337E+22	1,178898E+22	8,154812E+21	6,048831E+21	6,048997E+21	8,155224E+21	1,178939E+22
-1237	1,591351E+22	1,942234E+22	2,143990E+22	2,143997E+22	1,942261E+22	1,591380E+22	1,178943E+22	8,155005E+21	6,048707E+21	6,048589E+21	8,154639E+21	1,178881E+22

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	1,591308E+22	1,942239E+22	2,144073E+22	2,144079E+22	1,942290E+22	1,591373E+22	1,178926E+22	8,154860E+21	6,048600E+21	6,048533E+21	8,154750E+21	1,178939E+22
-1235	1,591421E+22	1,942336E+22	2,144103E+22	2,144066E+22	1,942246E+22	1,591321E+22	1,178880E+22	8,154493E+21	6,048402E+21	6,048543E+21	8,154755E+21	1,178895E+22
-1234	1,591325E+22	1,942229E+22	2,144020E+22	2,144052E+22	1,942288E+22	1,591378E+22	1,178933E+22	8,154901E+21	6,048576E+21	6,048444E+21	8,154513E+21	1,178874E+22
-1233	1,591331E+22	1,942296E+22	2,144116E+22	2,144112E+22	1,942310E+22	1,591359E+22	1,178893E+22	8,154609E+21	6,048535E+21	6,048646E+21	8,154986E+21	1,178951E+22
-1232	1,591396E+22	1,942300E+22	2,144072E+22	2,144040E+22	1,942248E+22	1,591341E+22	1,178900E+22	8,154691E+21	6,048601E+21	6,048689E+21	8,154860E+21	1,178906E+22
-1231	1,591312E+22	1,942178E+22	2,143985E+22	2,144035E+22	1,942281E+22	1,591382E+22	1,178951E+22	8,155243E+21	6,049032E+21	6,048911E+21	8,154908E+21	1,178916E+22
-1230	1,591382E+22	1,942305E+22	2,144061E+22	2,144038E+22	1,942246E+22	1,591335E+22	1,178914E+22	8,155096E+21	6,049160E+21	6,049291E+21	8,155428E+21	1,178951E+22
-1229	1,591359E+22	1,942241E+22	2,143982E+22	2,143953E+22	1,942198E+22	1,591343E+22	1,178955E+22	8,155584E+21	6,049571E+21	6,049504E+21	8,155313E+21	1,178898E+22
-1228	1,591267E+22	1,942155E+22	2,143978E+22	2,143998E+22	1,942229E+22	1,591351E+22	1,178966E+22	8,155876E+21	6,049970E+21	6,049902E+21	8,155725E+21	1,178961E+22
-1227	1,591369E+22	1,942237E+22	2,143985E+22	2,143965E+22	1,942181E+22	1,591300E+22	1,178920E+22	8,155613E+21	6,050025E+21	6,050267E+21	8,156173E+21	1,178967E+22
-1226	1,591301E+22	1,942116E+22	2,143847E+22	2,143877E+22	1,942176E+22	1,591351E+22	1,178990E+22	8,156197E+21	6,050336E+21	6,050256E+21	8,155932E+21	1,178940E+22
-1225	1,591293E+22	1,942156E+22	2,143924E+22	2,143933E+22	1,942195E+22	1,591339E+22	1,178969E+22	8,156104E+21	6,050375E+21	6,050393E+21	8,156238E+21	1,179007E+22
-1224	1,591388E+22	1,942224E+22	2,143935E+22	2,143889E+22	1,942128E+22	1,591294E+22	1,178949E+22	8,155984E+21	6,050307E+21	6,050371E+21	8,156108E+21	1,178958E+22
-1223	1,591294E+22	1,942103E+22	2,143855E+22	2,143895E+22	1,942174E+22	1,591341E+22	1,178992E+22	8,156325E+21	6,050440E+21	6,050259E+21	8,155834E+21	1,178935E+22
-1222	1,591326E+22	1,942224E+22	2,143984E+22	2,143967E+22	1,942193E+22	1,591316E+22	1,178942E+22	8,155828E+21	6,050128E+21	6,050229E+21	8,156131E+21	1,178984E+22
-1221	1,591344E+22	1,942194E+22	2,143941E+22	2,143922E+22	1,942171E+22	1,591327E+22	1,178954E+22	8,155765E+21	6,049914E+21	6,049912E+21	8,155682E+21	1,178921E+22
-1220	1,591265E+22	1,942113E+22	2,143924E+22	2,143977E+22	1,942233E+22	1,591363E+22	1,178970E+22	8,155780E+21	6,049774E+21	6,049665E+21	8,155517E+21	1,178949E+22
-1219	1,591379E+22	1,942265E+22	2,144004E+22	2,143993E+22	1,942217E+22	1,591321E+22	1,178910E+22	8,155182E+21	6,049367E+21	6,049550E+21	8,155624E+21	1,178952E+22
-1218	1,591337E+22	1,942197E+22	2,143928E+22	2,143925E+22	1,942202E+22	1,591358E+22	1,178960E+22	8,155477E+21	6,049321E+21	6,049183E+21	8,155051E+21	1,178893E+22
-1217	1,591295E+22	1,942207E+22	2,144020E+22	2,144029E+22	1,942249E+22	1,591352E+22	1,178941E+22	8,155341E+21	6,049255E+21	6,049172E+21	8,155187E+21	1,178945E+22
-1216	1,591391E+22	1,942292E+22	2,144059E+22	2,144028E+22	1,942212E+22	1,591302E+22	1,178892E+22	8,154961E+21	6,049061E+21	6,049191E+21	8,155280E+21	1,178924E+22
-1215	1,591309E+22	1,942162E+22	2,143933E+22	2,143982E+22	1,942244E+22	1,591358E+22	1,178942E+22	8,155310E+21	6,049213E+21	6,049131E+21	8,155070E+21	1,178903E+22
-1214	1,591326E+22	1,942251E+22	2,144038E+22	2,144032E+22	1,942252E+22	1,591346E+22	1,178921E+22	8,155125E+21	6,049175E+21	6,049287E+21	8,155465E+21	1,178969E+22
-1213	1,591382E+22	1,942258E+22	2,144004E+22	2,143967E+22	1,942190E+22	1,591325E+22	1,178928E+22	8,155282E+21	6,049338E+21	6,049390E+21	8,155340E+21	1,178917E+22
-1212	1,591293E+22	1,942146E+22	2,143933E+22	2,143967E+22	1,942218E+22	1,591354E+22	1,178970E+22	8,155814E+21	6,049792E+21	6,049642E+21	8,155394E+21	1,178923E+22
-1211	1,591352E+22	1,942260E+22	2,144010E+22	2,143988E+22	1,942200E+22	1,591310E+22	1,178924E+22	8,155610E+21	6,049955E+21	6,050124E+21	8,156020E+21	1,178962E+22
-1210	1,591317E+22	1,942162E+22	2,143893E+22	2,143885E+22	1,942156E+22	1,591328E+22	1,178974E+22	8,156137E+21	6,050357E+21	6,050328E+21	8,155974E+21	1,178928E+22
-1209	1,591248E+22	1,942088E+22	2,143880E+22	2,143922E+22	1,942191E+22	1,591345E+22	1,178991E+22	8,156417E+21	6,050695E+21	6,050641E+21	8,156311E+21	1,178988E+22
-1208	1,591352E+22	1,942184E+22	2,143909E+22	2,143893E+22	1,942131E+22	1,591288E+22	1,178949E+22	8,156190E+21	6,050725E+21	6,050923E+21	8,156707E+21	1,179005E+22
-1207	1,591305E+22	1,942071E+22	2,143762E+22	2,143789E+22	1,942111E+22	1,591325E+22	1,179006E+22	8,156713E+21	6,051032E+21	6,050936E+21	8,156420E+21	1,178961E+22
-1206	1,591292E+22	1,942137E+22	2,143874E+22	2,143858E+22	1,942124E+22	1,591312E+22	1,178992E+22	8,156645E+21	6,051057E+21	6,051050E+21	8,156670E+21	1,179013E+22
-1205	1,591360E+22	1,942184E+22	2,143895E+22	2,143849E+22	1,942085E+22	1,591272E+22	1,178964E+22	8,156485E+21	6,050999E+21	6,051065E+21	8,156600E+21	1,178967E+22
-1204	1,591265E+22	1,942060E+22	2,143806E+22	2,143853E+22	1,942141E+22	1,591321E+22	1,178997E+22	8,156693E+21	6,051017E+21	6,050874E+21	8,156320E+21	1,178953E+22
-1203	1,591303E+22	1,942172E+22	2,143919E+22	2,143916E+22	1,942166E+22	1,591309E+22	1,178952E+22	8,156148E+21	6,050652E+21	6,050807E+21	8,156584E+21	1,179003E+22
-1202	1,591326E+22	1,942136E+22	2,143857E+22	2,143850E+22	1,942129E+22	1,591321E+22	1,178978E+22	8,156206E+21	6,050447E+21	6,050432E+21	8,156081E+21	1,178943E+22
-1201	1,591266E+22	1,942082E+22	2,143852E+22	2,143904E+22	1,942186E+22	1,591349E+22	1,178993E+22	8,156262E+21	6,050341E+21	6,050167E+21	8,155821E+21	1,178952E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1200	1,591356E+22	1,942236E+22	2,143967E+22	2,143944E+22	1,942168E+22	1,591299E+22	1,178930E+22	8,155690E+21	6,049988E+21	6,050097E+21	8,156001E+21	1,178967E+22
-1199	1,591317E+22	1,942149E+22	2,143870E+22	2,143873E+22	1,942154E+22	1,591324E+22	1,178962E+22	8,155879E+21	6,049959E+21	6,049850E+21	8,155543E+21	1,178908E+22
-1198	1,591275E+22	1,942165E+22	2,143962E+22	2,143969E+22	1,942201E+22	1,591333E+22	1,178954E+22	8,155755E+21	6,049860E+21	6,049822E+21	8,155701E+21	1,178963E+22
-1197	1,591365E+22	1,942236E+22	2,143994E+22	2,143975E+22	1,942177E+22	1,591294E+22	1,178912E+22	8,155410E+21	6,049685E+21	6,049845E+21	8,155805E+21	1,178949E+22
-1196	1,591301E+22	1,942124E+22	2,143866E+22	2,143916E+22	1,942197E+22	1,591341E+22	1,178959E+22	8,155763E+21	6,049823E+21	6,049740E+21	8,155532E+21	1,178924E+22
-1195	1,591318E+22	1,942219E+22	2,143978E+22	2,143966E+22	1,942206E+22	1,591331E+22	1,178939E+22	8,155626E+21	6,049872E+21	6,049971E+21	8,155915E+21	1,178978E+22
-1194	1,591356E+22	1,942207E+22	2,143936E+22	2,143895E+22	1,942135E+22	1,591308E+22	1,178956E+22	8,155908E+21	6,050132E+21	6,050159E+21	8,155875E+21	1,178931E+22
-1193	1,591266E+22	1,942090E+22	2,143858E+22	2,143906E+22	1,942175E+22	1,591335E+22	1,178994E+22	8,156437E+21	6,050619E+21	6,050455E+21	8,155977E+21	1,178936E+22
-1192	1,591311E+22	1,942190E+22	2,143936E+22	2,143929E+22	1,942162E+22	1,591296E+22	1,178946E+22	8,156195E+21	6,050750E+21	6,050920E+21	8,156689E+21	1,179002E+22
-1191	1,591302E+22	1,942085E+22	2,143784E+22	2,143789E+22	1,942095E+22	1,591305E+22	1,178989E+22	8,156644E+21	6,051107E+21	6,051126E+21	8,156628E+21	1,178966E+22
-1190	1,591251E+22	1,942048E+22	2,143794E+22	2,143820E+22	1,942113E+22	1,591321E+22	1,179018E+22	8,156976E+21	6,051399E+21	6,051338E+21	8,156836E+21	1,179013E+22
-1189	1,591346E+22	1,942152E+22	2,143849E+22	2,143818E+22	1,942067E+22	1,591263E+22	1,178971E+22	8,156765E+21	6,051459E+21	6,051614E+21	8,157168E+21	1,179017E+22
-1188	1,591294E+22	1,942052E+22	2,143725E+22	2,143733E+22	1,942054E+22	1,591292E+22	1,179015E+22	8,157188E+21	6,051703E+21	6,051590E+21	8,156852E+21	1,178968E+22
-1187	1,591267E+22	1,942102E+22	2,143841E+22	2,143828E+22	1,942095E+22	1,591292E+22	1,178997E+22	8,157044E+21	6,051705E+21	6,051723E+21	8,157129E+21	1,179019E+22
-1186	1,591321E+22	1,942117E+22	2,143825E+22	2,143800E+22	1,942062E+22	1,591269E+22	1,178984E+22	8,156922E+21	6,051601E+21	6,051689E+21	8,157083E+21	1,178986E+22
-1185	1,591243E+22	1,942000E+22	2,143726E+22	2,143796E+22	1,942120E+22	1,591324E+22	1,179024E+22	8,157148E+21	6,051578E+21	6,051420E+21	8,156722E+21	1,178967E+22
-1184	1,591280E+22	1,942120E+22	2,143854E+22	2,143858E+22	1,942131E+22	1,591305E+22	1,178979E+22	8,156641E+21	6,051214E+21	6,051303E+21	8,156963E+21	1,179027E+22
-1183	1,591319E+22	1,942089E+22	2,143775E+22	2,143763E+22	1,942068E+22	1,591295E+22	1,178992E+22	8,156665E+21	6,051061E+21	6,051019E+21	8,156483E+21	1,178958E+22
-1182	1,591258E+22	1,942060E+22	2,143804E+22	2,143829E+22	1,942114E+22	1,591318E+22	1,179010E+22	8,156736E+21	6,050962E+21	6,050780E+21	8,156249E+21	1,178962E+22
-1181	1,591329E+22	1,942192E+22	2,143923E+22	2,143901E+22	1,942123E+22	1,591269E+22	1,178936E+22	8,156127E+21	6,050636E+21	6,050771E+21	8,156514E+21	1,178984E+22
-1180	1,591298E+22	1,942111E+22	2,143818E+22	2,143822E+22	1,942116E+22	1,591299E+22	1,178960E+22	8,156180E+21	6,050505E+21	6,050468E+21	8,156069E+21	1,178936E+22
-1179	1,591265E+22	1,942124E+22	2,143903E+22	2,143915E+22	1,942169E+22	1,591320E+22	1,178959E+22	8,156066E+21	6,050399E+21	6,050414E+21	8,156156E+21	1,178985E+22
-1178	1,591353E+22	1,942187E+22	2,143917E+22	2,143902E+22	1,942135E+22	1,591287E+22	1,178938E+22	8,155903E+21	6,050291E+21	6,050428E+21	8,156221E+21	1,178967E+22
-1177	1,591296E+22	1,942091E+22	2,143801E+22	2,143850E+22	1,942154E+22	1,591330E+22	1,178988E+22	8,156355E+21	6,050531E+21	6,050371E+21	8,155909E+21	1,178926E+22
-1176	1,591284E+22	1,942172E+22	2,143930E+22	2,143917E+22	1,942164E+22	1,591316E+22	1,178967E+22	8,156272E+21	6,050658E+21	6,050684E+21	8,156403E+21	1,178993E+22
-1175	1,591322E+22	1,942137E+22	2,143852E+22	2,143823E+22	1,942085E+22	1,591283E+22	1,178971E+22	8,156488E+21	6,050962E+21	6,051011E+21	8,156516E+21	1,178954E+22
-1174	1,591242E+22	1,942032E+22	2,143775E+22	2,143816E+22	1,942112E+22	1,591318E+22	1,179019E+22	8,157004E+21	6,051395E+21	6,051272E+21	8,156634E+21	1,178966E+22
-1173	1,591286E+22	1,942122E+22	2,143850E+22	2,143849E+22	1,942107E+22	1,591280E+22	1,178971E+22	8,156773E+21	6,051522E+21	6,051711E+21	8,157313E+21	1,179036E+22
-1172	1,591302E+22	1,942051E+22	2,143710E+22	2,143703E+22	1,942030E+22	1,591275E+22	1,179002E+22	8,157140E+21	6,051807E+21	6,051832E+21	8,157164E+21	1,178993E+22
-1171	1,591252E+22	1,942025E+22	2,143740E+22	2,143749E+22	1,942056E+22	1,591293E+22	1,179026E+22	8,157462E+21	6,052121E+21	6,052041E+21	8,157285E+21	1,179022E+22
-1170	1,591323E+22	1,942111E+22	2,143797E+22	2,143761E+22	1,942020E+22	1,591243E+22	1,178992E+22	8,157335E+21	6,052205E+21	6,052334E+21	8,157655E+21	1,179028E+22
-1169	1,591267E+22	1,942002E+22	2,143672E+22	2,143696E+22	1,942028E+22	1,591276E+22	1,179032E+22	8,157710E+21	6,052412E+21	6,052283E+21	8,157331E+21	1,178976E+22
-1168	1,591223E+22	1,942031E+22	2,143776E+22	2,143786E+22	1,942077E+22	1,591292E+22	1,179019E+22	8,157529E+21	6,052338E+21	6,052350E+21	8,157641E+21	1,179046E+22
-1167	1,591300E+22	1,942042E+22	2,143726E+22	2,143717E+22	1,942018E+22	1,591260E+22	1,179003E+22	8,157357E+21	6,052204E+21	6,052315E+21	8,157579E+21	1,179012E+22
-1166	1,591240E+22	1,941963E+22	2,143648E+22	2,143696E+22	1,942049E+22	1,591309E+22	1,179051E+22	8,157627E+21	6,052156E+21	6,051978E+21	8,157123E+21	1,178983E+22
-1165	1,591267E+22	1,942082E+22	2,143797E+22	2,143786E+22	1,942073E+22	1,591281E+22	1,178997E+22	8,157131E+21	6,051843E+21	6,051895E+21	8,157341E+21	1,179036E+22

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	1,591310E+22	1,942070E+22	2,143738E+22	2,143707E+22	1,942011E+22	1,591256E+22	1,178990E+22	8,157021E+21	6,051631E+21	6,051609E+21	8,156905E+21	1,178970E+22
-1163	1,591242E+22	1,942029E+22	2,143770E+22	2,143795E+22	1,942082E+22	1,591290E+22	1,179002E+22	8,157025E+21	6,051515E+21	6,051380E+21	8,156692E+21	1,178975E+22
-1162	1,591304E+22	1,942137E+22	2,143864E+22	2,143854E+22	1,942099E+22	1,591264E+22	1,178951E+22	8,156495E+21	6,051167E+21	6,051342E+21	8,156985E+21	1,179009E+22
-1161	1,591289E+22	1,942063E+22	2,143756E+22	2,143775E+22	1,942092E+22	1,591297E+22	1,178983E+22	8,156608E+21	6,051040E+21	6,050992E+21	8,156452E+21	1,178952E+22
-1160	1,591249E+22	1,942081E+22	2,143846E+22	2,143863E+22	1,942141E+22	1,591321E+22	1,178990E+22	8,156593E+21	6,050998E+21	6,050950E+21	8,156536E+21	1,179003E+22
-1159	1,591341E+22	1,942140E+22	2,143841E+22	2,143818E+22	1,942080E+22	1,591271E+22	1,178962E+22	8,156474E+21	6,051028E+21	6,051127E+21	8,156674E+21	1,178977E+22
-1158	1,591276E+22	1,942055E+22	2,143746E+22	2,143767E+22	1,942083E+22	1,591307E+22	1,179017E+22	8,156988E+21	6,051340E+21	6,051164E+21	8,156458E+21	1,178937E+22
-1157	1,591245E+22	1,942101E+22	2,143861E+22	2,143857E+22	1,942117E+22	1,591293E+22	1,178985E+22	8,156879E+21	6,051512E+21	6,051555E+21	8,157053E+21	1,179016E+22
-1156	1,591300E+22	1,942076E+22	2,143767E+22	2,143743E+22	1,942031E+22	1,591255E+22	1,178978E+22	8,156952E+21	6,051707E+21	6,051829E+21	8,157204E+21	1,178993E+22
-1155	1,591237E+22	1,941982E+22	2,143698E+22	2,143735E+22	1,942055E+22	1,591292E+22	1,179026E+22	8,157452E+21	6,052101E+21	6,052014E+21	8,157214E+21	1,178997E+22
-1154	1,591282E+22	1,942074E+22	2,143769E+22	2,143759E+22	1,942043E+22	1,591259E+22	1,178995E+22	8,157334E+21	6,052240E+21	6,052405E+21	8,157814E+21	1,179057E+22
-1153	1,591297E+22	1,942020E+22	2,143658E+22	2,143642E+22	1,941979E+22	1,591253E+22	1,179023E+22	8,157714E+21	6,052544E+21	6,052513E+21	8,157578E+21	1,178996E+22
-1152	1,591222E+22	1,941983E+22	2,143704E+22	2,143713E+22	1,942023E+22	1,591278E+22	1,179047E+22	8,158022E+21	6,052849E+21	6,052734E+21	8,157763E+21	1,179033E+22
-1151	1,591288E+22	1,942040E+22	2,143718E+22	2,143699E+22	1,941986E+22	1,591230E+22	1,179008E+22	8,157842E+21	6,052944E+21	6,053094E+21	8,158214E+21	1,179044E+22
-1150	1,591240E+22	1,941943E+22	2,143596E+22	2,143617E+22	1,941983E+22	1,591275E+22	1,179062E+22	8,158213E+21	6,053076E+21	6,052971E+21	8,157875E+21	1,178999E+22
-1149	1,591197E+22	1,941957E+22	2,143693E+22	2,143715E+22	1,942034E+22	1,591285E+22	1,179047E+22	8,158052E+21	6,052990E+21	6,052992E+21	8,158113E+21	1,179068E+22
-1148	1,591297E+22	1,942006E+22	2,143651E+22	2,143632E+22	1,941957E+22	1,591235E+22	1,179015E+22	8,157776E+21	6,052777E+21	6,052891E+21	8,158016E+21	1,179033E+22
-1147	1,591241E+22	1,941944E+22	2,143603E+22	2,143626E+22	1,941986E+22	1,591275E+22	1,179053E+22	8,158006E+21	6,052740E+21	6,052550E+21	8,157496E+21	1,178991E+22
-1146	1,591250E+22	1,942046E+22	2,143752E+22	2,143731E+22	1,942021E+22	1,591255E+22	1,179008E+22	8,157559E+21	6,052438E+21	6,052496E+21	8,157777E+21	1,179049E+22
-1145	1,591293E+22	1,942028E+22	2,143698E+22	2,143679E+22	1,941986E+22	1,591236E+22	1,178995E+22	8,157383E+21	6,052186E+21	6,052185E+21	8,157337E+21	1,178984E+22
-1144	1,591218E+22	1,941978E+22	2,143721E+22	2,143761E+22	1,942067E+22	1,591289E+22	1,179016E+22	8,157376E+21	6,052013E+21	6,051904E+21	8,157142E+21	1,179002E+22
-1143	1,591294E+22	1,942080E+22	2,143780E+22	2,143779E+22	1,942060E+22	1,591258E+22	1,178971E+22	8,156920E+21	6,051732E+21	6,051907E+21	8,157405E+21	1,179028E+22
-1142	1,591288E+22	1,942035E+22	2,143696E+22	2,143688E+22	1,942031E+22	1,591289E+22	1,179015E+22	8,157144E+21	6,051671E+21	6,051577E+21	8,156835E+21	1,178960E+22
-1141	1,591226E+22	1,942032E+22	2,143791E+22	2,143800E+22	1,942090E+22	1,591306E+22	1,179018E+22	8,157210E+21	6,051762E+21	6,051655E+21	8,156955E+21	1,179003E+22
-1140	1,591316E+22	1,942102E+22	2,143788E+22	2,143757E+22	1,942024E+22	1,591241E+22	1,178972E+22	8,156980E+21	6,051779E+21	6,051903E+21	8,157238E+21	1,178992E+22
-1139	1,591250E+22	1,942001E+22	2,143685E+22	2,143706E+22	1,942037E+22	1,591279E+22	1,179019E+22	8,157444E+21	6,052094E+21	6,051961E+21	8,157063E+21	1,178958E+22
-1138	1,591217E+22	1,942028E+22	2,143772E+22	2,143778E+22	1,942072E+22	1,591283E+22	1,179007E+22	8,157401E+21	6,052241E+21	6,052327E+21	8,157692E+21	1,179050E+22
-1137	1,591293E+22	1,942018E+22	2,143689E+22	2,143674E+22	1,941982E+22	1,591237E+22	1,178998E+22	8,157479E+21	6,052409E+21	6,052528E+21	8,157736E+21	1,179018E+22
-1136	1,591228E+22	1,941937E+22	2,143630E+22	2,143667E+22	1,942009E+22	1,591279E+22	1,179050E+22	8,158008E+21	6,052799E+21	6,052684E+21	8,157715E+21	1,179020E+22
-1135	1,591272E+22	1,942028E+22	2,143695E+22	2,143674E+22	1,941981E+22	1,591237E+22	1,179017E+22	8,157930E+21	6,053034E+21	6,053177E+21	8,158337E+21	1,179070E+22
-1134	1,591278E+22	1,941983E+22	2,143609E+22	2,143568E+22	1,941915E+22	1,591233E+22	1,179049E+22	8,158319E+21	6,053347E+21	6,053309E+21	8,158138E+21	1,179007E+22
-1133	1,591182E+22	1,941910E+22	2,143635E+22	2,143662E+22	1,941991E+22	1,591267E+22	1,179068E+22	8,158594E+21	6,053645E+21	6,053542E+21	8,158342E+21	1,179049E+22
-1132	1,591266E+22	1,941982E+22	2,143634E+22	2,143622E+22	1,941940E+22	1,591215E+22	1,179020E+22	8,158267E+21	6,053596E+21	6,053802E+21	8,158794E+21	1,179075E+22
-1131	1,591233E+22	1,941894E+22	2,143520E+22	2,143536E+22	1,941926E+22	1,591254E+22	1,179073E+22	8,158636E+21	6,053684E+21	6,053574E+21	8,158323E+21	1,179020E+22
-1130	1,591191E+22	1,941911E+22	2,143615E+22	2,143631E+22	1,941975E+22	1,591268E+22	1,179070E+22	8,158550E+21	6,053595E+21	6,053559E+21	8,158509E+21	1,179082E+22
-1129	1,591290E+22	1,941975E+22	2,143610E+22	2,143583E+22	1,941905E+22	1,591207E+22	1,179027E+22	8,158231E+21	6,053369E+21	6,053440E+21	8,158359E+21	1,179036E+22

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	1,591218E+22	1,941909E+22	2,143575E+22	2,143601E+22	1,941957E+22	1,591256E+22	1,179062E+22	8,158394E+21	6,053281E+21	6,053104E+21	8,157925E+21	1,179004E+22
-1127	1,591226E+22	1,941993E+22	2,143688E+22	2,143678E+22	1,941989E+22	1,591241E+22	1,179016E+22	8,157926E+21	6,053007E+21	6,053106E+21	8,158257E+21	1,179067E+22
-1126	1,591277E+22	1,941988E+22	2,143644E+22	2,143616E+22	1,941947E+22	1,591237E+22	1,179019E+22	8,157781E+21	6,052722E+21	6,052747E+21	8,157785E+21	1,179003E+22
-1125	1,591202E+22	1,941922E+22	2,143656E+22	2,143708E+22	1,942037E+22	1,591287E+22	1,179043E+22	8,157861E+21	6,052610E+21	6,052474E+21	8,157520E+21	1,179013E+22
-1124	1,591291E+22	1,942050E+22	2,143713E+22	2,143705E+22	1,942009E+22	1,591242E+22	1,178988E+22	8,157372E+21	6,052337E+21	6,052496E+21	8,157808E+21	1,179041E+22
-1123	1,591278E+22	1,942009E+22	2,143652E+22	2,143626E+22	1,941973E+22	1,591260E+22	1,179026E+22	8,157639E+21	6,052367E+21	6,052244E+21	8,157273E+21	1,178966E+22
-1122	1,591197E+22	1,941974E+22	2,143727E+22	2,143739E+22	1,942037E+22	1,591282E+22	1,179036E+22	8,157763E+21	6,052509E+21	6,052415E+21	8,157527E+21	1,179019E+22
-1121	1,591284E+22	1,942032E+22	2,143721E+22	2,143708E+22	1,941986E+22	1,591220E+22	1,178983E+22	8,157460E+21	6,052494E+21	6,052658E+21	8,157846E+21	1,179018E+22
-1120	1,591227E+22	1,941937E+22	2,143610E+22	2,143644E+22	1,941999E+22	1,591269E+22	1,179035E+22	8,157885E+21	6,052734E+21	6,052667E+21	8,157689E+21	1,178996E+22
-1119	1,591213E+22	1,941968E+22	2,143669E+22	2,143675E+22	1,942004E+22	1,591263E+22	1,179028E+22	8,157928E+21	6,052955E+21	6,053051E+21	8,158249E+21	1,179079E+22
-1118	1,591297E+22	1,941992E+22	2,143622E+22	2,143577E+22	1,941908E+22	1,591219E+22	1,179027E+22	8,158072E+21	6,053163E+21	6,053244E+21	8,158223E+21	1,179032E+22
-1117	1,591210E+22	1,941893E+22	2,143577E+22	2,143607E+22	1,941955E+22	1,591257E+22	1,179074E+22	8,158646E+21	6,053630E+21	6,053465E+21	8,158184E+21	1,179023E+22
-1116	1,591249E+22	1,941986E+22	2,143637E+22	2,143615E+22	1,941931E+22	1,591211E+22	1,179029E+22	8,158457E+21	6,053809E+21	6,053973E+21	8,158914E+21	1,179085E+22
-1115	1,591250E+22	1,941928E+22	2,143549E+22	2,143515E+22	1,941875E+22	1,591214E+22	1,179060E+22	8,158808E+21	6,054083E+21	6,054064E+21	8,158707E+21	1,179026E+22
-1114	1,591152E+22	1,941833E+22	2,143544E+22	2,143589E+22	1,941950E+22	1,591265E+22	1,179098E+22	8,159131E+21	6,054332E+21	6,054246E+21	8,158905E+21	1,179074E+22
-1113	1,591250E+22	1,941921E+22	2,143559E+22	2,143559E+22	1,941895E+22	1,591203E+22	1,179044E+22	8,158777E+21	6,054230E+21	6,054409E+21	8,159239E+21	1,179093E+22
-1112	1,591224E+22	1,941855E+22	2,143458E+22	2,143471E+22	1,941879E+22	1,591240E+22	1,179094E+22	8,159116E+21	6,054278E+21	6,054153E+21	8,158756E+21	1,179036E+22
-1111	1,591179E+22	1,941873E+22	2,143548E+22	2,143551E+22	1,941908E+22	1,591240E+22	1,179086E+22	8,159055E+21	6,054269E+21	6,054214E+21	8,158963E+21	1,179093E+22
-1110	1,591274E+22	1,941946E+22	2,143568E+22	2,143525E+22	1,941852E+22	1,591185E+22	1,179041E+22	8,158688E+21	6,054016E+21	6,054097E+21	8,158853E+21	1,179050E+22
-1109	1,591188E+22	1,941850E+22	2,143519E+22	2,143565E+22	1,941934E+22	1,591245E+22	1,179073E+22	8,158803E+21	6,053895E+21	6,053745E+21	8,158406E+21	1,179023E+22
-1108	1,591218E+22	1,941952E+22	2,143620E+22	2,143617E+22	1,941951E+22	1,591229E+22	1,179025E+22	8,158240E+21	6,053509E+21	6,053667E+21	8,158737E+21	1,179094E+22
-1107	1,591277E+22	1,941957E+22	2,143588E+22	2,143552E+22	1,941897E+22	1,591217E+22	1,179030E+22	8,158158E+21	6,053240E+21	6,053241E+21	8,158130E+21	1,179016E+22
-1106	1,591191E+22	1,941883E+22	2,143591E+22	2,143639E+22	1,941987E+22	1,591277E+22	1,179069E+22	8,158365E+21	6,053212E+21	6,053031E+21	8,157881E+21	1,179017E+22
-1105	1,591267E+22	1,942011E+22	2,143674E+22	2,143664E+22	1,941963E+22	1,591219E+22	1,179004E+22	8,157863E+21	6,052981E+21	6,053100E+21	8,158185E+21	1,179041E+22
-1104	1,591244E+22	1,941957E+22	2,143602E+22	2,143589E+22	1,941941E+22	1,591244E+22	1,179040E+22	8,158095E+21	6,053006E+21	6,052922E+21	8,157818E+21	1,178984E+22
-1103	1,591168E+22	1,941903E+22	2,143634E+22	2,143662E+22	1,941990E+22	1,591267E+22	1,179054E+22	8,158255E+21	6,053216E+21	6,053167E+21	8,158148E+21	1,179048E+22
-1102	1,591271E+22	1,941980E+22	2,143640E+22	2,143619E+22	1,941928E+22	1,591211E+22	1,179009E+22	8,157980E+21	6,053185E+21	6,053375E+21	8,158438E+21	1,179048E+22
-1101	1,591217E+22	1,941881E+22	2,143530E+22	2,143571E+22	1,941948E+22	1,591254E+22	1,179061E+22	8,158458E+21	6,053473E+21	6,053383E+21	8,158185E+21	1,179017E+22
-1100	1,591218E+22	1,941945E+22	2,143599E+22	2,143587E+22	1,941934E+22	1,591234E+22	1,179043E+22	8,158452E+21	6,053689E+21	6,053781E+21	8,158765E+21	1,179096E+22
-1099	1,591287E+22	1,941967E+22	2,143581E+22	2,143516E+22	1,941843E+22	1,591182E+22	1,179038E+22	8,158638E+21	6,053957E+21	6,054003E+21	8,158724E+21	1,179039E+22
-1098	1,591177E+22	1,941834E+22	2,143513E+22	2,143554E+22	1,941913E+22	1,591240E+22	1,179096E+22	8,159252E+21	6,054450E+21	6,054289E+21	8,158793E+21	1,179038E+22
-1097	1,591209E+22	1,941913E+22	2,143569E+22	2,143571E+22	1,941900E+22	1,591200E+22	1,179048E+22	8,158987E+21	6,054553E+21	6,054731E+21	8,159494E+21	1,179107E+22
-1096	1,591223E+22	1,941859E+22	2,143467E+22	2,143453E+22	1,941842E+22	1,591212E+22	1,179086E+22	8,159304E+21	6,054728E+21	6,054754E+21	8,159298E+21	1,179057E+22
-1095	1,591141E+22	1,941771E+22	2,143437E+22	2,143485E+22	1,941883E+22	1,591249E+22	1,179126E+22	8,159698E+21	6,055033E+21	6,054926E+21	8,159418E+21	1,179096E+22
-1094	1,591243E+22	1,941890E+22	2,143490E+22	2,143465E+22	1,941824E+22	1,591185E+22	1,179070E+22	8,159337E+21	6,054929E+21	6,055064E+21	8,159686E+21	1,179106E+22
-1093	1,591203E+22	1,941815E+22	2,143410E+22	2,143419E+22	1,941829E+22	1,591214E+22	1,179108E+22	8,159631E+21	6,054985E+21	6,054832E+21	8,159181E+21	1,179044E+22

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°
-1092	1,591165E+22	1,941840E+22	2,143494E+22	2,143496E+22	1,941860E+22	1,591209E+22	1,179086E+22	8,159416E+21	6,054872E+21	6,054867E+21	8,159477E+21	1,179113E+22
-1091	1,591257E+22	1,941908E+22	2,143522E+22	2,143484E+22	1,941818E+22	1,591163E+22	1,179043E+22	8,159022E+21	6,054553E+21	6,054657E+21	8,159301E+21	1,179071E+22
-1090	1,591172E+22	1,941798E+22	2,143451E+22	2,143511E+22	1,941903E+22	1,591242E+22	1,179094E+22	8,159198E+21	6,054400E+21	6,054262E+21	8,158820E+21	1,179042E+22
-1089	1,591203E+22	1,941906E+22	2,143564E+22	2,143571E+22	1,941917E+22	1,591221E+22	1,179046E+22	8,158658E+21	6,054007E+21	6,054120E+21	8,159036E+21	1,179103E+22
-1088	1,591264E+22	1,941926E+22	2,143541E+22	2,143505E+22	1,941863E+22	1,591210E+22	1,179053E+22	8,158591E+21	6,053766E+21	6,053759E+21	8,158500E+21	1,179023E+22
-1087	1,591169E+22	1,941839E+22	2,143520E+22	2,143562E+22	1,941926E+22	1,591254E+22	1,179090E+22	8,158900E+21	6,053902E+21	6,053703E+21	8,158349E+21	1,179026E+22
-1086	1,591236E+22	1,941963E+22	2,143613E+22	2,143599E+22	1,941915E+22	1,591202E+22	1,179022E+22	8,158381E+21	6,053700E+21	6,053831E+21	8,158747E+21	1,179060E+22
-1085	1,591213E+22	1,941888E+22	2,143524E+22	2,143532E+22	1,941905E+22	1,591229E+22	1,179055E+22	8,158584E+21	6,053729E+21	6,053671E+21	8,158392E+21	1,179013E+22
-1084	1,591165E+22	1,941858E+22	2,143545E+22	2,143571E+22	1,941926E+22	1,591241E+22	1,179064E+22	8,158685E+21	6,053865E+21	6,053867E+21	8,158737E+21	1,179084E+22
-1083	1,591275E+22	1,941952E+22	2,143576E+22	2,143540E+22	1,941859E+22	1,591176E+22	1,179021E+22	8,158485E+21	6,053863E+21	6,054018E+21	8,158898E+21	1,179068E+22
-1082	1,591209E+22	1,941847E+22	2,143468E+22	2,143499E+22	1,941889E+22	1,591232E+22	1,179085E+22	8,159047E+21	6,054222E+21	6,054093E+21	8,158658E+21	1,179025E+22
-1081	1,591189E+22	1,941902E+22	2,143562E+22	2,143550E+22	1,941890E+22	1,591210E+22	1,179061E+22	8,159020E+21	6,054454E+21	6,054514E+21	8,159241E+21	1,179101E+22
-1080	1,591250E+22	1,941910E+22	2,143527E+22	2,143482E+22	1,941821E+22	1,591174E+22	1,179058E+22	8,159161E+21	6,054694E+21	6,054791E+21	8,159340E+21	1,179056E+22
-1079	1,591140E+22	1,941757E+22	2,143412E+22	2,143472E+22	1,941870E+22	1,591236E+22	1,179126E+22	8,159853E+21	6,055249E+21	6,055111E+21	8,159448E+21	1,179066E+22
-1078	1,591184E+22	1,941847E+22	2,143476E+22	2,143481E+22	1,941850E+22	1,591199E+22	1,179082E+22	8,159599E+21	6,055318E+21	6,055485E+21	8,160080E+21	1,179135E+22
-1077	1,591207E+22	1,941794E+22	2,143374E+22	2,143372E+22	1,941791E+22	1,591199E+22	1,179116E+22	8,159928E+21	6,055502E+21	6,055478E+21	8,159790E+21	1,179080E+22
-1076	1,591145E+22	1,941743E+22	2,143361E+22	2,143388E+22	1,941805E+22	1,591214E+22	1,179139E+22	8,160207E+21	6,055738E+21	6,055632E+21	8,159942E+21	1,179118E+22
-1075	1,591235E+22	1,941868E+22	2,143450E+22	2,143402E+22	1,941753E+22	1,591137E+22	1,179073E+22	8,159810E+21	6,055606E+21	6,055723E+21	8,160154E+21	1,179119E+22
-1074	1,591179E+22	1,941768E+22	2,143356E+22	2,143373E+22	1,941791E+22	1,591191E+22	1,179116E+22	8,160047E+21	6,055610E+21	6,055491E+21	8,159701E+21	1,179063E+22
-1073	1,591139E+22	1,941790E+22	2,143449E+22	2,143464E+22	1,941836E+22	1,591195E+22	1,179091E+22	8,159732E+21	6,055375E+21	6,055401E+21	8,159899E+21	1,179133E+22
-1072	1,591245E+22	1,941863E+22	2,143463E+22	2,143440E+22	1,941798E+22	1,591162E+22	1,179061E+22	8,159340E+21	6,054982E+21	6,055126E+21	8,159687E+21	1,179088E+22
-1071	1,591164E+22	1,941757E+22	2,143371E+22	2,143431E+22	1,941854E+22	1,591233E+22	1,179121E+22	8,159678E+21	6,054958E+21	6,054769E+21	8,159157E+21	1,179051E+22
-1070	1,591187E+22	1,941877E+22	2,143511E+22	2,143500E+22	1,941867E+22	1,591211E+22	1,179073E+22	8,159188E+21	6,054638E+21	6,054677E+21	8,159357E+21	1,179101E+22
-1069	1,591229E+22	1,941877E+22	2,143491E+22	2,143462E+22	1,941826E+22	1,591192E+22	1,179072E+22	8,159128E+21	6,054468E+21	6,054419E+21	8,158907E+21	1,179029E+22
-1068	1,591148E+22	1,941794E+22	2,143451E+22	2,143495E+22	1,941875E+22	1,591226E+22	1,179096E+22	8,159313E+21	6,054555E+21	6,054414E+21	8,158931E+21	1,179051E+22
-1067	1,591217E+22	1,941914E+22	2,143549E+22	2,143535E+22	1,941864E+22	1,591173E+22	1,179030E+22	8,158806E+21	6,054329E+21	6,054487E+21	8,159289E+21	1,179090E+22
-1066	1,591201E+22	1,941833E+22	2,143446E+22	2,143461E+22	1,941860E+22	1,591215E+22	1,179074E+22	8,159059E+21	6,054367E+21	6,054333E+21	8,158928E+21	1,179041E+22
-1065	1,591157E+22	1,941820E+22	2,143490E+22	2,143512E+22	1,941877E+22	1,591219E+22	1,179080E+22	8,159166E+21	6,054506E+21	6,054478E+21	8,159160E+21	1,179100E+22
-1064	1,591267E+22	1,941924E+22	2,143529E+22	2,143488E+22	1,941817E+22	1,591161E+22	1,179043E+22	8,158993E+21	6,054541E+21	6,054705E+21	8,159387E+21	1,179079E+22
-1063	1,591183E+22	1,941799E+22	2,143400E+22	2,143428E+22	1,941832E+22	1,591210E+22	1,179110E+22	8,159690E+21	6,055058E+21	6,054914E+21	8,159243E+21	1,179039E+22
-1062	1,591150E+22	1,941837E+22	2,143489E+22	2,143487E+22	1,941854E+22	1,591203E+22	1,179088E+22	8,159650E+21	6,055305E+21	6,055364E+21	8,159873E+21	1,179121E+22
-1061	1,591212E+22	1,941829E+22	2,143435E+22	2,143416E+22	1,941790E+22	1,591172E+22	1,179087E+22	8,159772E+21	6,055523E+21	6,055628E+21	8,159968E+21	1,179089E+22
-1060	1,591135E+22	1,941700E+22	2,143303E+22	2,143359E+22	1,941799E+22	1,591214E+22	1,179147E+22	8,160388E+21	6,055987E+21	6,055880E+21	8,160074E+21	1,179101E+22
-1059	1,591183E+22	1,941807E+22	2,143398E+22	2,143385E+22	1,941771E+22	1,591161E+22	1,179099E+22	8,160170E+21	6,056044E+21	6,056158E+21	8,160552E+21	1,179156E+22
-1058	1,591198E+22	1,941758E+22	2,143311E+22	2,143294E+22	1,941723E+22	1,591166E+22	1,179131E+22	8,160472E+21	6,056228E+21	6,056176E+21	8,160263E+21	1,179091E+22
-1057	1,591120E+22	1,941705E+22	2,143328E+22	2,143347E+22	1,941755E+22	1,591178E+22	1,179142E+22	8,160642E+21	6,056383E+21	6,056269E+21	8,160377E+21	1,179128E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1056	1,591210E+22	1,941824E+22	2,143408E+22	2,143374E+22	1,941735E+22	1,591127E+22	1,179082E+22	8,160150E+21	6,056149E+21	6,056339E+21	8,160656E+21	1,179136E+22
-1055	1,591154E+22	1,941712E+22	2,143283E+22	2,143309E+22	1,941756E+22	1,591186E+22	1,179137E+22	8,160476E+21	6,056182E+21	6,056082E+21	8,160169E+21	1,179084E+22
-1054	1,591122E+22	1,941742E+22	2,143381E+22	2,143400E+22	1,941807E+22	1,591201E+22	1,179120E+22	8,160202E+21	6,055938E+21	6,055924E+21	8,160252E+21	1,179145E+22
-1053	1,591229E+22	1,941816E+22	2,143397E+22	2,143383E+22	1,941768E+22	1,591161E+22	1,179089E+22	8,159860E+21	6,055600E+21	6,055666E+21	8,159984E+21	1,179095E+22
-1052	1,591158E+22	1,941731E+22	2,143308E+22	2,143346E+22	1,941790E+22	1,591207E+22	1,179136E+22	8,160148E+21	6,055591E+21	6,055387E+21	8,159583E+21	1,179062E+22
-1051	1,591163E+22	1,941838E+22	2,143469E+22	2,143447E+22	1,941808E+22	1,591170E+22	1,179080E+22	8,159674E+21	6,055302E+21	6,055322E+21	8,159813E+21	1,179113E+22
-1050	1,591197E+22	1,941815E+22	2,143425E+22	2,143409E+22	1,941789E+22	1,591171E+22	1,179081E+22	8,159565E+21	6,055129E+21	6,055131E+21	8,159493E+21	1,179055E+22
-1049	1,591124E+22	1,941738E+22	2,143393E+22	2,143441E+22	1,941836E+22	1,591205E+22	1,179101E+22	8,159666E+21	6,055119E+21	6,055031E+21	8,159457E+21	1,179084E+22
-1048	1,591215E+22	1,941873E+22	2,143484E+22	2,143472E+22	1,941825E+22	1,591163E+22	1,179046E+22	8,159172E+21	6,054858E+21	6,055078E+21	8,159781E+21	1,179116E+22
-1047	1,591199E+22	1,941799E+22	2,143371E+22	2,143373E+22	1,941798E+22	1,591196E+22	1,179098E+22	8,159599E+21	6,055047E+21	6,054980E+21	8,159375E+21	1,179057E+22
-1046	1,591144E+22	1,941791E+22	2,143439E+22	2,143445E+22	1,941830E+22	1,591206E+22	1,179104E+22	8,159758E+21	6,055269E+21	6,055180E+21	8,159584E+21	1,179104E+22
-1045	1,591233E+22	1,941867E+22	2,143471E+22	2,143444E+22	1,941789E+22	1,591150E+22	1,179067E+22	8,159623E+21	6,055378E+21	6,055498E+21	8,159888E+21	1,179090E+22
-1044	1,591158E+22	1,941741E+22	2,143319E+22	2,143351E+22	1,941784E+22	1,591192E+22	1,179128E+22	8,160247E+21	6,055863E+21	6,055762E+21	8,159920E+21	1,179068E+22
-1043	1,591125E+22	1,941770E+22	2,143408E+22	2,143408E+22	1,941796E+22	1,591180E+22	1,179110E+22	8,160239E+21	6,056072E+21	6,056131E+21	8,160468E+21	1,179148E+22
-1042	1,591193E+22	1,941759E+22	2,143339E+22	2,143326E+22	1,941734E+22	1,591158E+22	1,179115E+22	8,160375E+21	6,056290E+21	6,056395E+21	8,160561E+21	1,179116E+22
-1041	1,591123E+22	1,941657E+22	2,143238E+22	2,143278E+22	1,941733E+22	1,591185E+22	1,179162E+22	8,160909E+21	6,056689E+21	6,056558E+21	8,160550E+21	1,179121E+22
-1040	1,591176E+22	1,941777E+22	2,143347E+22	2,143317E+22	1,941713E+22	1,591135E+22	1,179113E+22	8,160639E+21	6,056717E+21	6,056858E+21	8,161047E+21	1,179167E+22
-1039	1,591176E+22	1,941713E+22	2,143251E+22	2,143227E+22	1,941665E+22	1,591137E+22	1,179145E+22	8,161004E+21	6,056971E+21	6,056922E+21	8,160810E+21	1,179108E+22
-1038	1,591093E+22	1,941652E+22	2,143268E+22	2,143299E+22	1,941729E+22	1,591168E+22	1,179154E+22	8,161101E+21	6,057063E+21	6,056957E+21	8,160885E+21	1,179146E+22
-1037	1,591184E+22	1,941759E+22	2,143336E+22	2,143325E+22	1,941718E+22	1,591130E+22	1,179105E+22	8,160615E+21	6,056773E+21	6,056952E+21	8,161093E+21	1,179159E+22
-1036	1,591154E+22	1,941671E+22	2,143204E+22	2,143223E+22	1,941703E+22	1,591172E+22	1,179156E+22	8,160902E+21	6,056744E+21	6,056650E+21	8,160608E+21	1,179105E+22
-1035	1,591116E+22	1,941708E+22	2,143326E+22	2,143329E+22	1,941745E+22	1,591174E+22	1,179139E+22	8,160697E+21	6,056520E+21	6,056439E+21	8,160558E+21	1,179149E+22
-1034	1,591207E+22	1,941776E+22	2,143347E+22	2,143325E+22	1,941721E+22	1,591141E+22	1,179106E+22	8,160342E+21	6,056236E+21	6,056282E+21	8,160385E+21	1,179099E+22
-1033	1,591126E+22	1,941688E+22	2,143274E+22	2,143305E+22	1,941747E+22	1,591178E+22	1,179138E+22	8,160522E+21	6,056170E+21	6,055990E+21	8,160027E+21	1,179075E+22
-1032	1,591141E+22	1,941787E+22	2,143414E+22	2,143404E+22	1,941785E+22	1,591161E+22	1,179087E+22	8,159982E+21	6,055829E+21	6,055945E+21	8,160345E+21	1,179137E+22
-1031	1,591182E+22	1,941758E+22	2,143346E+22	2,143334E+22	1,941744E+22	1,591160E+22	1,179099E+22	8,159998E+21	6,055721E+21	6,055759E+21	8,160026E+21	1,179087E+22
-1030	1,591120E+22	1,941692E+22	2,143321E+22	2,143372E+22	1,941798E+22	1,591199E+22	1,179122E+22	8,160143E+21	6,055732E+21	6,055620E+21	8,159879E+21	1,179104E+22
-1029	1,591210E+22	1,941836E+22	2,143424E+22	2,143409E+22	1,941787E+22	1,591156E+22	1,179073E+22	8,159734E+21	6,055553E+21	6,055705E+21	8,160161E+21	1,179129E+22
-1028	1,591198E+22	1,941775E+22	2,143315E+22	2,143287E+22	1,941727E+22	1,591166E+22	1,179115E+22	8,160139E+21	6,055791E+21	6,055721E+21	8,159891E+21	1,179070E+22
-1027	1,591117E+22	1,941743E+22	2,143390E+22	2,143389E+22	1,941773E+22	1,591172E+22	1,179120E+22	8,160355E+21	6,056062E+21	6,055956E+21	8,160115E+21	1,179114E+22
-1026	1,591195E+22	1,941794E+22	2,143394E+22	2,143383E+22	1,941754E+22	1,591137E+22	1,179085E+22	8,160182E+21	6,056187E+21	6,056344E+21	8,160546E+21	1,179115E+22
-1025	1,591127E+22	1,941672E+22	2,143242E+22	2,143273E+22	1,941731E+22	1,591175E+22	1,179145E+22	8,160747E+21	6,056581E+21	6,056510E+21	8,160518E+21	1,179101E+22
-1024	1,591117E+22	1,941712E+22	2,143322E+22	2,143325E+22	1,941744E+22	1,591167E+22	1,179133E+22	8,160739E+21	6,056758E+21	6,056853E+21	8,161019E+21	1,179171E+22
-1023	1,591183E+22	1,941712E+22	2,143254E+22	2,143225E+22	1,941657E+22	1,591131E+22	1,179140E+22	8,161004E+21	6,057082E+21	6,057147E+21	8,161085E+21	1,179134E+22
-1022	1,591107E+22	1,941617E+22	2,143180E+22	2,143209E+22	1,941678E+22	1,591160E+22	1,179179E+22	8,161491E+21	6,057479E+21	6,057307E+21	8,161030E+21	1,179128E+22
-1021	1,591146E+22	1,941722E+22	2,143292E+22	2,143273E+22	1,941682E+22	1,591120E+22	1,179130E+22	8,161190E+21	6,057488E+21	6,057610E+21	8,161554E+21	1,179183E+22

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												
-1020	1,591158E+22	1,941662E+22	2,143181E+22	2,143157E+22	1,941620E+22	1,591119E+22	1,179156E+22	8,161439E+21	6,057644E+21	6,057653E+21	8,161408E+21	1,179136E+22
-1019	1,591077E+22	1,941598E+22	2,143204E+22	2,143239E+22	1,941684E+22	1,591152E+22	1,179174E+22	8,161575E+21	6,057665E+21	6,057556E+21	8,161335E+21	1,179165E+22
-1018	1,591170E+22	1,941704E+22	2,143259E+22	2,143259E+22	1,941683E+22	1,591127E+22	1,179130E+22	8,161104E+21	6,057382E+21	6,057542E+21	8,161516E+21	1,179174E+22
-1017	1,591139E+22	1,941638E+22	2,143159E+22	2,143159E+22	1,941651E+22	1,591154E+22	1,179172E+22	8,161333E+21	6,057302E+21	6,057180E+21	8,160964E+21	1,179116E+22
-1016	1,591103E+22	1,941674E+22	2,143283E+22	2,143277E+22	1,941700E+22	1,591156E+22	1,179153E+22	8,161087E+21	6,057082E+21	6,057035E+21	8,160974E+21	1,179152E+22
-1015	1,591175E+22	1,941722E+22	2,143286E+22	2,143265E+22	1,941672E+22	1,591118E+22	1,179119E+22	8,160810E+21	6,056885E+21	6,056953E+21	8,160914E+21	1,179119E+22
-1014	1,591104E+22	1,941633E+22	2,143208E+22	2,143253E+22	1,941721E+22	1,591168E+22	1,179147E+22	8,160908E+21	6,056770E+21	6,056625E+21	8,160533E+21	1,179100E+22
-1013	1,591130E+22	1,941731E+22	2,143338E+22	2,143340E+22	1,941754E+22	1,591159E+22	1,179107E+22	8,160411E+21	6,056411E+21	6,056520E+21	8,160781E+21	1,179165E+22
-1012	1,591194E+22	1,941729E+22	2,143273E+22	2,143244E+22	1,941678E+22	1,591136E+22	1,179114E+22	8,160422E+21	6,056301E+21	6,056345E+21	8,160482E+21	1,179111E+22
-1011	1,591123E+22	1,941672E+22	2,143279E+22	2,143305E+22	1,941729E+22	1,591164E+22	1,179138E+22	8,160656E+21	6,056365E+21	6,056194E+21	8,160217E+21	1,179105E+22
-1010	1,591186E+22	1,941794E+22	2,143376E+22	2,143357E+22	1,941743E+22	1,591137E+22	1,179091E+22	8,160280E+21	6,056287E+21	6,056418E+21	8,160621E+21	1,179130E+22
-1009	1,591158E+22	1,941725E+22	2,143279E+22	2,143247E+22	1,941689E+22	1,591145E+22	1,179125E+22	8,160612E+21	6,056495E+21	6,056452E+21	8,160432E+21	1,179085E+22
-1008	1,591087E+22	1,941675E+22	2,143318E+22	2,143334E+22	1,941745E+22	1,591168E+22	1,179139E+22	8,160807E+21	6,056756E+21	6,056731E+21	8,160724E+21	1,179133E+22
-1007	1,591164E+22	1,941718E+22	2,143296E+22	2,143293E+22	1,941700E+22	1,591130E+22	1,179117E+22	8,160791E+21	6,056964E+21	6,057134E+21	8,161179E+21	1,179147E+22
-1006	1,591117E+22	1,941611E+22	2,143149E+22	2,143186E+22	1,941680E+22	1,591162E+22	1,179171E+22	8,161361E+21	6,057370E+21	6,057262E+21	8,161048E+21	1,179122E+22
-1005	1,591108E+22	1,941663E+22	2,143242E+22	2,143239E+22	1,941686E+22	1,591151E+22	1,179161E+22	8,161391E+21	6,057582E+21	6,057610E+21	8,161516E+21	1,179190E+22
-1004	1,591178E+22	1,941677E+22	2,143189E+22	2,143135E+22	1,941576E+22	1,591090E+22	1,179152E+22	8,161571E+21	6,057892E+21	6,057975E+21	8,161710E+21	1,179156E+22
-1003	1,591086E+22	1,941569E+22	2,143129E+22	2,143154E+22	1,941617E+22	1,591121E+22	1,179188E+22	8,162022E+21	6,058233E+21	6,058080E+21	8,161610E+21	1,179147E+22
-1002	1,591118E+22	1,941657E+22	2,143219E+22	2,143217E+22	1,941652E+22	1,591112E+22	1,179146E+22	8,161660E+21	6,058193E+21	6,058368E+21	8,162167E+21	1,179209E+22
-1001	1,591139E+22	1,941613E+22	2,143122E+22	2,143093E+22	1,941577E+22	1,591108E+22	1,179171E+22	8,161830E+21	6,058206E+21	6,058248E+21	8,161885E+21	1,179162E+22
-1000	1,591076E+22	1,941558E+22	2,143139E+22	2,143173E+22	1,941644E+22	1,591146E+22	1,179196E+22	8,161978E+21	6,058206E+21	6,058110E+21	8,161710E+21	1,179172E+22
-999	1,591154E+22	1,941666E+22	2,143195E+22	2,143182E+22	1,941625E+22	1,591110E+22	1,179156E+22	8,161643E+21	6,058025E+21	6,058127E+21	8,161891E+21	1,179179E+22
-998	1,591116E+22	1,941594E+22	2,143107E+22	2,143110E+22	1,941612E+22	1,591136E+22	1,179188E+22	8,161823E+21	6,057951E+21	6,057787E+21	8,161344E+21	1,179119E+22
-997	1,591073E+22	1,941618E+22	2,143223E+22	2,143235E+22	1,941674E+22	1,591148E+22	1,179171E+22	8,161555E+21	6,057717E+21	6,057655E+21	8,161430E+21	1,179170E+22
-996	1,591162E+22	1,941673E+22	2,143214E+22	2,143190E+22	1,941617E+22	1,591096E+22	1,179128E+22	8,161182E+21	6,057458E+21	6,057588E+21	8,161474E+21	1,179149E+22
-995	1,591097E+22	1,941589E+22	2,143147E+22	2,143189E+22	1,941664E+22	1,591143E+22	1,179162E+22	8,161316E+21	6,057301E+21	6,057167E+21	8,160957E+21	1,179121E+22
-994	1,591126E+22	1,941693E+22	2,143273E+22	2,143277E+22	1,941711E+22	1,591146E+22	1,179125E+22	8,160857E+21	6,057003E+21	6,057103E+21	8,161193E+21	1,179178E+22
-993	1,591183E+22	1,941709E+22	2,143240E+22	2,143185E+22	1,941622E+22	1,591111E+22	1,179124E+22	8,160837E+21	6,056885E+21	6,056913E+21	8,160859E+21	1,179120E+22
-992	1,591107E+22	1,941638E+22	2,143240E+22	2,143263E+22	1,941689E+22	1,591146E+22	1,179152E+22	8,161096E+21	6,057021E+21	6,056881E+21	8,160674E+21	1,179104E+22
-991	1,591144E+22	1,941729E+22	2,143309E+22	2,143302E+22	1,941702E+22	1,591122E+22	1,179113E+22	8,160851E+21	6,057063E+21	6,057204E+21	8,161220E+21	1,179149E+22
-990	1,591125E+22	1,941647E+22	2,143190E+22	2,143188E+22	1,941662E+22	1,591142E+22	1,179147E+22	8,161156E+21	6,057260E+21	6,057238E+21	8,161044E+21	1,179112E+22
-989	1,591069E+22	1,941601E+22	2,143215E+22	2,143250E+22	1,941701E+22	1,591169E+22	1,179174E+22	8,161415E+21	6,057520E+21	6,057476E+21	8,161304E+21	1,179166E+22
-988	1,591165E+22	1,941669E+22	2,143198E+22	2,143178E+22	1,941615E+22	1,591100E+22	1,179140E+22	8,161384E+21	6,057745E+21	6,057915E+21	8,161787E+21	1,179177E+22
-987	1,591114E+22	1,941578E+22	2,143088E+22	2,143101E+22	1,941594E+22	1,591120E+22	1,179188E+22	8,161965E+21	6,058156E+21	6,058015E+21	8,161552E+21	1,179135E+22
-986	1,591089E+22	1,941619E+22	2,143182E+22	2,143176E+22	1,941629E+22	1,591122E+22	1,179175E+22	8,161962E+21	6,058400E+21	6,058435E+21	8,162102E+21	1,179203E+22
-985	1,591148E+22	1,941634E+22	2,143146E+22	2,143088E+22	1,941532E+22	1,591064E+22	1,179158E+22	8,162009E+21	6,058586E+21	6,058716E+21	8,162298E+21	1,179181E+22

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	1,591069E+22	1,941517E+22	2,143067E+22	2,143105E+22	1,941590E+22	1,591117E+22	1,179204E+22	8,162419E+21	6,058857E+21	6,058777E+21	8,162154E+21	1,179165E+22
-983	1,591093E+22	1,941594E+22	2,143137E+22	2,143145E+22	1,941610E+22	1,591111E+22	1,179180E+22	8,162218E+21	6,058859E+21	6,059015E+21	8,162664E+21	1,179232E+22
-982	1,591128E+22	1,941563E+22	2,143046E+22	2,143031E+22	1,941544E+22	1,591106E+22	1,179200E+22	8,162374E+21	6,058863E+21	6,058843E+21	8,162264E+21	1,179172E+22
-981	1,591062E+22	1,941516E+22	2,143069E+22	2,143103E+22	1,941598E+22	1,591141E+22	1,179227E+22	8,162553E+21	6,058885E+21	6,058707E+21	8,162078E+21	1,179178E+22
-980	1,591134E+22	1,941625E+22	2,143134E+22	2,143107E+22	1,941555E+22	1,591076E+22	1,179168E+22	8,162136E+21	6,058708E+21	6,058815E+21	8,162411E+21	1,179196E+22
-979	1,591091E+22	1,941546E+22	2,143054E+22	2,143059E+22	1,941555E+22	1,591098E+22	1,179192E+22	8,162241E+21	6,058566E+21	6,058430E+21	8,161848E+21	1,179138E+22
-978	1,591051E+22	1,941558E+22	2,143146E+22	2,143174E+22	1,941637E+22	1,591133E+22	1,179180E+22	8,161926E+21	6,058296E+21	6,058292E+21	8,161968E+21	1,179196E+22
-977	1,591152E+22	1,941639E+22	2,143161E+22	2,143128E+22	1,941568E+22	1,591075E+22	1,179135E+22	8,161484E+21	6,057918E+21	6,058087E+21	8,161902E+21	1,179178E+22
-976	1,591105E+22	1,941568E+22	2,143097E+22	2,143132E+22	1,941620E+22	1,591127E+22	1,179172E+22	8,161644E+21	6,057789E+21	6,057671E+21	8,161286E+21	1,179125E+22
-975	1,591108E+22	1,941663E+22	2,143225E+22	2,143217E+22	1,941660E+22	1,591129E+22	1,179148E+22	8,161369E+21	6,057638E+21	6,057691E+21	8,161565E+21	1,179181E+22
-974	1,591155E+22	1,941664E+22	2,143193E+22	2,143154E+22	1,941598E+22	1,591098E+22	1,179141E+22	8,161339E+21	6,057572E+21	6,057573E+21	8,161277E+21	1,179122E+22
-973	1,591071E+22	1,941574E+22	2,143167E+22	2,143216E+22	1,941670E+22	1,591149E+22	1,179180E+22	8,161654E+21	6,057752E+21	6,057594E+21	8,161213E+21	1,179124E+22
-972	1,591116E+22	1,941659E+22	2,143216E+22	2,143216E+22	1,941646E+22	1,591108E+22	1,179136E+22	8,161393E+21	6,057803E+21	6,057985E+21	8,161879E+21	1,179184E+22
-971	1,591112E+22	1,941587E+22	2,143103E+22	2,143103E+22	1,941592E+22	1,591117E+22	1,179174E+22	8,161748E+21	6,057995E+21	6,057972E+21	8,161616E+21	1,179140E+22
-970	1,591062E+22	1,941552E+22	2,143124E+22	2,143156E+22	1,941636E+22	1,591149E+22	1,179199E+22	8,162029E+21	6,058318E+21	6,058262E+21	8,161885E+21	1,179187E+22
-969	1,591154E+22	1,941646E+22	2,143148E+22	2,143096E+22	1,941536E+22	1,591062E+22	1,179151E+22	8,161905E+21	6,058489E+21	6,058664E+21	8,162339E+21	1,179198E+22
-968	1,591102E+22	1,941546E+22	2,143042E+22	2,143047E+22	1,941539E+22	1,591088E+22	1,179195E+22	8,162437E+21	6,058907E+21	6,058816E+21	8,162119E+21	1,179146E+22
-967	1,591055E+22	1,941560E+22	2,143115E+22	2,143120E+22	1,941587E+22	1,591103E+22	1,179192E+22	8,162518E+21	6,059188E+21	6,059246E+21	8,162737E+21	1,179229E+22
-966	1,591123E+22	1,941565E+22	2,143063E+22	2,143037E+22	1,941511E+22	1,591062E+22	1,179180E+22	8,162523E+21	6,059303E+21	6,059435E+21	8,162833E+21	1,179204E+22
-965	1,591055E+22	1,941459E+22	2,142980E+22	2,143035E+22	1,941558E+22	1,591123E+22	1,179242E+22	8,163014E+21	6,059550E+21	6,059411E+21	8,162617E+21	1,179187E+22
-964	1,591083E+22	1,941550E+22	2,143056E+22	2,143049E+22	1,941536E+22	1,591087E+22	1,179206E+22	8,162801E+21	6,059568E+21	6,059674E+21	8,163118E+21	1,179246E+22
-963	1,591110E+22	1,941524E+22	2,142990E+22	2,142961E+22	1,941472E+22	1,591072E+22	1,179221E+22	8,162937E+21	6,059558E+21	6,059490E+21	8,162668E+21	1,179175E+22
-962	1,591031E+22	1,941465E+22	2,143006E+22	2,143047E+22	1,941553E+22	1,591116E+22	1,179239E+22	8,163038E+21	6,059582E+21	6,059421E+21	8,162596E+21	1,179188E+22
-961	1,591100E+22	1,941580E+22	2,143082E+22	2,143053E+22	1,941512E+22	1,591049E+22	1,179167E+22	8,162452E+21	6,059254E+21	6,059428E+21	8,162938E+21	1,179224E+22
-960	1,591081E+22	1,941503E+22	2,142995E+22	2,143009E+22	1,941523E+22	1,591085E+22	1,179196E+22	8,162506E+21	6,059046E+21	6,058990E+21	8,162307E+21	1,179160E+22
-959	1,591040E+22	1,941515E+22	2,143079E+22	2,143109E+22	1,941593E+22	1,591120E+22	1,179200E+22	8,162351E+21	6,058829E+21	6,058814E+21	8,162383E+21	1,179220E+22
-958	1,591151E+22	1,941606E+22	2,143102E+22	2,143080E+22	1,941540E+22	1,591066E+22	1,179154E+22	8,161925E+21	6,058470E+21	6,058584E+21	8,162202E+21	1,179185E+22
-957	1,591094E+22	1,941542E+22	2,143050E+22	2,143082E+22	1,941584E+22	1,591122E+22	1,179201E+22	8,162173E+21	6,058415E+21	6,058225E+21	8,161643E+21	1,179130E+22
-956	1,591079E+22	1,941617E+22	2,143169E+22	2,143156E+22	1,941603E+22	1,591101E+22	1,179164E+22	8,161896E+21	6,058348E+21	6,058398E+21	8,162085E+21	1,179195E+22
-955	1,591123E+22	1,941605E+22	2,143128E+22	2,143100E+22	1,941552E+22	1,591077E+22	1,179158E+22	8,161850E+21	6,058281E+21	6,058308E+21	8,161847E+21	1,179144E+22
-954	1,591046E+22	1,941506E+22	2,143070E+22	2,143136E+22	1,941627E+22	1,591141E+22	1,179203E+22	8,162178E+21	6,058487E+21	6,058373E+21	8,161844E+21	1,179153E+22
-953	1,591102E+22	1,941615E+22	2,143138E+22	2,143126E+22	1,941580E+22	1,591083E+22	1,179152E+22	8,161871E+21	6,058464E+21	6,058664E+21	8,162435E+21	1,179218E+22
-952	1,591118E+22	1,941559E+22	2,143038E+22	2,143023E+22	1,941526E+22	1,591085E+22	1,179185E+22	8,162234E+21	6,058702E+21	6,058681E+21	8,162094E+21	1,179153E+22
-951	1,591043E+22	1,941514E+22	2,143065E+22	2,143082E+22	1,941567E+22	1,591116E+22	1,179219E+22	8,162646E+21	6,059124E+21	6,059034E+21	8,162422E+21	1,179202E+22
-950	1,591128E+22	1,941595E+22	2,143092E+22	2,143059E+22	1,941505E+22	1,591041E+22	1,179166E+22	8,162461E+21	6,059279E+21	6,059445E+21	8,162877E+21	1,179211E+22
-949	1,591073E+22	1,941488E+22	2,142971E+22	2,142995E+22	1,941515E+22	1,591088E+22	1,179223E+22	8,163006E+21	6,059665E+21	6,059567E+21	8,162704E+21	1,179170E+22

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	1,591028E+22	1,941492E+22	2,143027E+22	2,143039E+22	1,941535E+22	1,591091E+22	1,179219E+22	8,163091E+21	6,059943E+21	6,060012E+21	8,163344E+21	1,179259E+22
-947	1,591110E+22	1,941508E+22	2,142983E+22	2,142961E+22	1,941455E+22	1,591046E+22	1,179210E+22	8,163117E+21	6,060027E+21	6,060129E+21	8,163322E+21	1,179223E+22
-946	1,591040E+22	1,941409E+22	2,142890E+22	2,142946E+22	1,941503E+22	1,591111E+22	1,179270E+22	8,163618E+21	6,060313E+21	6,060139E+21	8,163110E+21	1,179197E+22
-945	1,591058E+22	1,941517E+22	2,143004E+22	2,142974E+22	1,941468E+22	1,591054E+22	1,179217E+22	8,163281E+21	6,060239E+21	6,060343E+21	8,163603E+21	1,179262E+22
-944	1,591090E+22	1,941482E+22	2,142941E+22	2,142910E+22	1,941422E+22	1,591037E+22	1,179220E+22	8,163324E+21	6,060203E+21	6,060182E+21	8,163175E+21	1,179187E+22
-943	1,590999E+22	1,941405E+22	2,142936E+22	2,142986E+22	1,941510E+22	1,591095E+22	1,179249E+22	8,163453E+21	6,060201E+21	6,060083E+21	8,163161E+21	1,179219E+22
-942	1,591088E+22	1,941523E+22	2,143008E+22	2,143003E+22	1,941489E+22	1,591041E+22	1,179180E+22	8,162803E+21	6,059771E+21	6,059967E+21	8,163363E+21	1,179250E+22
-941	1,591083E+22	1,941471E+22	2,142931E+22	2,142945E+22	1,941490E+22	1,591085E+22	1,179222E+22	8,162932E+21	6,059546E+21	6,059444E+21	8,162648E+21	1,179180E+22
-940	1,591038E+22	1,941491E+22	2,143024E+22	2,143034E+22	1,941532E+22	1,591096E+22	1,179217E+22	8,162816E+21	6,059411E+21	6,059343E+21	8,162720E+21	1,179229E+22
-939	1,591137E+22	1,941578E+22	2,143066E+22	2,143033E+22	1,941487E+22	1,591040E+22	1,179172E+22	8,162417E+21	6,059096E+21	6,059162E+21	8,162535E+21	1,179183E+22
-938	1,591061E+22	1,941493E+22	2,142993E+22	2,143036E+22	1,941554E+22	1,591110E+22	1,179219E+22	8,162683E+21	6,059118E+21	6,058938E+21	8,162147E+21	1,179137E+22
-937	1,591039E+22	1,941564E+22	2,143110E+22	2,143098E+22	1,941564E+22	1,591085E+22	1,179176E+22	8,162312E+21	6,058974E+21	6,059072E+21	8,162639E+21	1,179221E+22
-936	1,591104E+22	1,941549E+22	2,143055E+22	2,143035E+22	1,941512E+22	1,591063E+22	1,179172E+22	8,162281E+21	6,058927E+21	6,059001E+21	8,162383E+21	1,179168E+22
-935	1,591030E+22	1,941451E+22	2,142985E+22	2,143049E+22	1,941570E+22	1,591124E+22	1,179229E+22	8,162755E+21	6,059211E+21	6,059081E+21	8,162394E+21	1,179183E+22
-934	1,591098E+22	1,941569E+22	2,143060E+22	2,143054E+22	1,941531E+22	1,591063E+22	1,179173E+22	8,162439E+21	6,059209E+21	6,059361E+21	8,162890E+21	1,179234E+22
-933	1,591106E+22	1,941526E+22	2,142983E+22	2,142958E+22	1,941473E+22	1,591067E+22	1,179210E+22	8,162847E+21	6,059489E+21	6,059423E+21	8,162625E+21	1,179170E+22
-932	1,591015E+22	1,941462E+22	2,143003E+22	2,143013E+22	1,941503E+22	1,591077E+22	1,179229E+22	8,163225E+21	6,059961E+21	6,059884E+21	8,163064E+21	1,179226E+22
-931	1,591099E+22	1,941528E+22	2,143018E+22	2,142996E+22	1,941459E+22	1,591022E+22	1,179185E+22	8,163012E+21	6,060067E+21	6,060264E+21	8,163505E+21	1,179237E+22
-930	1,591049E+22	1,941420E+22	2,142877E+22	2,142915E+22	1,941475E+22	1,591086E+22	1,179252E+22	8,163584E+21	6,060446E+21	6,060377E+21	8,163332E+21	1,179196E+22
-929	1,591011E+22	1,941446E+22	2,142948E+22	2,142947E+22	1,941471E+22	1,591071E+22	1,179241E+22	8,163618E+21	6,060632E+21	6,060692E+21	8,163847E+21	1,179283E+22
-928	1,591105E+22	1,941474E+22	2,142919E+22	2,142884E+22	1,941395E+22	1,591021E+22	1,179224E+22	8,163631E+21	6,060742E+21	6,060816E+21	8,163747E+21	1,179228E+22
-927	1,591012E+22	1,941363E+22	2,142829E+22	2,142873E+22	1,941442E+22	1,591083E+22	1,179288E+22	8,164184E+21	6,061057E+21	6,060856E+21	8,163610E+21	1,179211E+22
-926	1,591029E+22	1,941453E+22	2,142940E+22	2,142932E+22	1,941440E+22	1,591034E+22	1,179227E+22	8,163736E+21	6,060901E+21	6,061004E+21	8,164072E+21	1,179278E+22
-925	1,591068E+22	1,941429E+22	2,142876E+22	2,142858E+22	1,941396E+22	1,591035E+22	1,179239E+22	8,163753E+21	6,060781E+21	6,060774E+21	8,163684E+21	1,179216E+22
-924	1,590985E+22	1,941353E+22	2,142865E+22	2,142912E+22	1,941456E+22	1,591075E+22	1,179264E+22	8,163874E+21	6,060770E+21	6,060665E+21	8,163639E+21	1,179249E+22
-923	1,591089E+22	1,941488E+22	2,142949E+22	2,142938E+22	1,941440E+22	1,591027E+22	1,179202E+22	8,163249E+21	6,060323E+21	6,060489E+21	8,163712E+21	1,179262E+22
-922	1,591078E+22	1,941445E+22	2,142876E+22	2,142879E+22	1,941447E+22	1,591075E+22	1,179244E+22	8,163415E+21	6,060163E+21	6,060031E+21	8,163009E+21	1,179180E+22
-921	1,591015E+22	1,941469E+22	2,142993E+22	2,142980E+22	1,941479E+22	1,591068E+22	1,179227E+22	8,163234E+21	6,060000E+21	6,059925E+21	8,163106E+21	1,179236E+22
-920	1,591112E+22	1,941536E+22	2,143025E+22	2,142998E+22	1,941457E+22	1,591016E+22	1,179173E+22	8,162807E+21	6,059734E+21	6,059824E+21	8,162996E+21	1,179191E+22
-919	1,591023E+22	1,941424E+22	2,142917E+22	2,142972E+22	1,941520E+22	1,591099E+22	1,179236E+22	8,163157E+21	6,059789E+21	6,059645E+21	8,162737E+21	1,179168E+22
-918	1,591022E+22	1,941489E+22	2,143023E+22	2,143036E+22	1,941535E+22	1,591080E+22	1,179198E+22	8,162783E+21	6,059605E+21	6,059710E+21	8,163130E+21	1,179248E+22
-917	1,591103E+22	1,941507E+22	2,142978E+22	2,142952E+22	1,941459E+22	1,591054E+22	1,179201E+22	8,162829E+21	6,059583E+21	6,059622E+21	8,162866E+21	1,179193E+22
-916	1,591022E+22	1,941413E+22	2,142917E+22	2,142955E+22	1,941488E+22	1,591086E+22	1,179244E+22	8,163328E+21	6,059975E+21	6,059812E+21	8,162898E+21	1,179201E+22
-915	1,591084E+22	1,941531E+22	2,143011E+22	2,142988E+22	1,941466E+22	1,591030E+22	1,179189E+22	8,162997E+21	6,059993E+21	6,060137E+21	8,163405E+21	1,179243E+22
-914	1,591077E+22	1,941470E+22	2,142916E+22	2,142897E+22	1,941435E+22	1,591049E+22	1,179226E+22	8,163400E+21	6,060306E+21	6,060277E+21	8,163251E+21	1,179186E+22
-913	1,590985E+22	1,941407E+22	2,142934E+22	2,142945E+22	1,941459E+22	1,591061E+22	1,179243E+22	8,163694E+21	6,060672E+21	6,060647E+21	8,163679E+21	1,179257E+22

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	1,591087E+22	1,941472E+22	2,142942E+22	2,142928E+22	1,941419E+22	1,591010E+22	1,179203E+22	8,163523E+21	6,060793E+21	6,060998E+21	8,164038E+21	1,179257E+22
-911	1,591031E+22	1,941361E+22	2,142791E+22	2,142825E+22	1,941420E+22	1,591076E+22	1,179285E+22	8,164226E+21	6,061221E+21	6,061114E+21	8,163874E+21	1,179220E+22
-910	1,590997E+22	1,941388E+22	2,142873E+22	2,142878E+22	1,941423E+22	1,591057E+22	1,179268E+22	8,164218E+21	6,061387E+21	6,061391E+21	8,164279E+21	1,179290E+22
-909	1,591082E+22	1,941432E+22	2,142861E+22	2,142817E+22	1,941343E+22	1,591004E+22	1,179250E+22	8,164225E+21	6,061485E+21	6,061532E+21	8,164277E+21	1,179244E+22
-908	1,590981E+22	1,941303E+22	2,142761E+22	2,142801E+22	1,941379E+22	1,591046E+22	1,179295E+22	8,164691E+21	6,061805E+21	6,061627E+21	8,164218E+21	1,179239E+22
-907	1,591012E+22	1,941394E+22	2,142865E+22	2,142863E+22	1,941393E+22	1,591018E+22	1,179241E+22	8,164162E+21	6,061543E+21	6,061685E+21	8,164609E+21	1,179304E+22
-906	1,591061E+22	1,941381E+22	2,142800E+22	2,142785E+22	1,941356E+22	1,591027E+22	1,179259E+22	8,164192E+21	6,061383E+21	6,061401E+21	8,164165E+21	1,179238E+22
-905	1,590985E+22	1,941333E+22	2,142815E+22	2,142841E+22	1,941398E+22	1,591050E+22	1,179274E+22	8,164250E+21	6,061283E+21	6,061167E+21	8,163993E+21	1,179265E+22
-904	1,591087E+22	1,941470E+22	2,142915E+22	2,142890E+22	1,941396E+22	1,591003E+22	1,179209E+22	8,163650E+21	6,060898E+21	6,061020E+21	8,163999E+21	1,179257E+22
-903	1,591047E+22	1,941406E+22	2,142839E+22	2,142835E+22	1,941410E+22	1,591059E+22	1,179261E+22	8,163890E+21	6,060797E+21	6,060651E+21	8,163435E+21	1,179188E+22
-902	1,590981E+22	1,941399E+22	2,142933E+22	2,142950E+22	1,941466E+22	1,591063E+22	1,179241E+22	8,163655E+21	6,060603E+21	6,060534E+21	8,163526E+21	1,179243E+22
-901	1,591081E+22	1,941475E+22	2,142956E+22	2,142943E+22	1,941435E+22	1,591024E+22	1,179200E+22	8,163266E+21	6,060320E+21	6,060434E+21	8,163525E+21	1,179219E+22
-900	1,591005E+22	1,941361E+22	2,142833E+22	2,142885E+22	1,941457E+22	1,591077E+22	1,179255E+22	8,163654E+21	6,060448E+21	6,060311E+21	8,163278E+21	1,179201E+22
-899	1,591023E+22	1,941442E+22	2,142941E+22	2,142944E+22	1,941470E+22	1,591062E+22	1,179222E+22	8,163313E+21	6,060289E+21	6,060372E+21	8,163592E+21	1,179267E+22
-898	1,591098E+22	1,941473E+22	2,142912E+22	2,142868E+22	1,941397E+22	1,591033E+22	1,179222E+22	8,163394E+21	6,060345E+21	6,060378E+21	8,163384E+21	1,179204E+22
-897	1,591006E+22	1,941386E+22	2,142875E+22	2,142889E+22	1,941418E+22	1,591044E+22	1,179248E+22	8,163797E+21	6,060694E+21	6,060560E+21	8,163452E+21	1,179220E+22
-896	1,591064E+22	1,941484E+22	2,142959E+22	2,142941E+22	1,941427E+22	1,591001E+22	1,179190E+22	8,163457E+21	6,060750E+21	6,060926E+21	8,163979E+21	1,179259E+22
-895	1,591046E+22	1,941403E+22	2,142839E+22	2,142828E+22	1,941397E+22	1,591042E+22	1,179248E+22	8,163937E+21	6,061065E+21	6,061075E+21	8,163897E+21	1,179218E+22
-894	1,590969E+22	1,941332E+22	2,142844E+22	2,142879E+22	1,941426E+22	1,591060E+22	1,179273E+22	8,164257E+21	6,061391E+21	6,061343E+21	8,164165E+21	1,179275E+22
-893	1,591076E+22	1,941427E+22	2,142866E+22	2,142847E+22	1,941369E+22	1,591007E+22	1,179240E+22	8,164170E+21	6,061534E+21	6,061682E+21	8,164531E+21	1,179274E+22
-892	1,591009E+22	1,941310E+22	2,142720E+22	2,142733E+22	1,941340E+22	1,591042E+22	1,179307E+22	8,164882E+21	6,062058E+21	6,061899E+21	8,164402E+21	1,179235E+22
-891	1,590974E+22	1,941332E+22	2,142806E+22	2,142805E+22	1,941361E+22	1,591032E+22	1,179289E+22	8,164806E+21	6,062193E+21	6,062188E+21	8,164824E+21	1,179300E+22
-890	1,591051E+22	1,941370E+22	2,142787E+22	2,142751E+22	1,941300E+22	1,590988E+22	1,179266E+22	8,164745E+21	6,062248E+21	6,062341E+21	8,164898E+21	1,179264E+22
-889	1,590961E+22	1,941255E+22	2,142695E+22	2,142731E+22	1,941327E+22	1,591022E+22	1,179301E+22	8,165060E+21	6,062399E+21	6,062287E+21	8,164782E+21	1,179273E+22
-888	1,591013E+22	1,941356E+22	2,142806E+22	2,142804E+22	1,941351E+22	1,590998E+22	1,179248E+22	8,164547E+21	6,062118E+21	6,062260E+21	8,165028E+21	1,179322E+22
-887	1,591054E+22	1,941345E+22	2,142740E+22	2,142719E+22	1,941311E+22	1,591016E+22	1,179280E+22	8,164656E+21	6,061969E+21	6,061958E+21	8,164562E+21	1,179254E+22
-886	1,590975E+22	1,941293E+22	2,142770E+22	2,142802E+22	1,941367E+22	1,591040E+22	1,179294E+22	8,164696E+21	6,061849E+21	6,061684E+21	8,164281E+21	1,179261E+22
-885	1,591063E+22	1,941436E+22	2,142879E+22	2,142852E+22	1,941364E+22	1,590995E+22	1,179230E+22	8,164119E+21	6,061478E+21	6,061588E+21	8,164419E+21	1,179263E+22
-884	1,591006E+22	1,941339E+22	2,142774E+22	2,142776E+22	1,941363E+22	1,591036E+22	1,179272E+22	8,164341E+21	6,061451E+21	6,061329E+21	8,163979E+21	1,179212E+22
-883	1,590961E+22	1,941330E+22	2,142846E+22	2,142875E+22	1,941425E+22	1,591059E+22	1,179262E+22	8,164080E+21	6,061215E+21	6,061189E+21	8,164049E+21	1,179267E+22
-882	1,591071E+22	1,941419E+22	2,142868E+22	2,142855E+22	1,941382E+22	1,591014E+22	1,179225E+22	8,163756E+21	6,060962E+21	6,061094E+21	8,164030E+21	1,179242E+22
-881	1,591009E+22	1,941338E+22	2,142771E+22	2,142797E+22	1,941380E+22	1,591041E+22	1,179263E+22	8,164080E+21	6,061053E+21	6,060915E+21	8,163722E+21	1,179223E+22
-880	1,591026E+22	1,941425E+22	2,142900E+22	2,142882E+22	1,941405E+22	1,591021E+22	1,179223E+22	8,163774E+21	6,060982E+21	6,061029E+21	8,163997E+21	1,179270E+22
-879	1,591072E+22	1,941431E+22	2,142867E+22	2,142819E+22	1,941351E+22	1,591007E+22	1,179234E+22	8,163906E+21	6,061078E+21	6,061125E+21	8,163937E+21	1,179220E+22
-878	1,590975E+22	1,941318E+22	2,142816E+22	2,142856E+22	1,941398E+22	1,591036E+22	1,179265E+22	8,164274E+21	6,061387E+21	6,061273E+21	8,163967E+21	1,179233E+22
-877	1,591036E+22	1,941424E+22	2,142890E+22	2,142883E+22	1,941401E+22	1,591010E+22	1,179224E+22	8,164016E+21	6,061444E+21	6,061640E+21	8,164567E+21	1,179285E+22

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	1,591021E+22	1,941333E+22	2,142750E+22	2,142743E+22	1,941338E+22	1,591029E+22	1,179280E+22	8,164588E+21	6,061876E+21	6,061862E+21	8,164489E+21	1,179247E+22
-875	1,590962E+22	1,941274E+22	2,142749E+22	2,142781E+22	1,941366E+22	1,591053E+22	1,179309E+22	8,164929E+21	6,062229E+21	6,062138E+21	8,164690E+21	1,179286E+22
-874	1,591054E+22	1,941377E+22	2,142789E+22	2,142758E+22	1,941303E+22	1,590988E+22	1,179271E+22	8,164861E+21	6,062425E+21	6,062548E+21	8,165116E+21	1,179286E+22
-873	1,590986E+22	1,941267E+22	2,142659E+22	2,142659E+22	1,941264E+22	1,590996E+22	1,179312E+22	8,165404E+21	6,062847E+21	6,062725E+21	8,165045E+21	1,179261E+22
-872	1,590956E+22	1,941276E+22	2,142738E+22	2,142745E+22	1,941312E+22	1,590996E+22	1,179287E+22	8,165254E+21	6,062934E+21	6,062966E+21	8,165434E+21	1,179325E+22
-871	1,591031E+22	1,941310E+22	2,142709E+22	2,142682E+22	1,941258E+22	1,590976E+22	1,179282E+22	8,165185E+21	6,062895E+21	6,063044E+21	8,165514E+21	1,179302E+22
-870	1,590960E+22	1,941204E+22	2,142625E+22	2,142674E+22	1,941289E+22	1,591013E+22	1,179320E+22	8,165465E+21	6,062936E+21	6,062813E+21	8,165153E+21	1,179288E+22
-869	1,591012E+22	1,941335E+22	2,142757E+22	2,142744E+22	1,941310E+22	1,590994E+22	1,179276E+22	8,165022E+21	6,062654E+21	6,062756E+21	8,165372E+21	1,179329E+22
-868	1,591032E+22	1,941308E+22	2,142696E+22	2,142662E+22	1,941254E+22	1,590989E+22	1,179296E+22	8,165149E+21	6,062609E+21	6,062547E+21	8,164929E+21	1,179258E+22
-867	1,590950E+22	1,941242E+22	2,142711E+22	2,142749E+22	1,941330E+22	1,591031E+22	1,179313E+22	8,165159E+21	6,062485E+21	6,062308E+21	8,164685E+21	1,179260E+22
-866	1,591023E+22	1,941372E+22	2,142809E+22	2,142798E+22	1,941338E+22	1,590993E+22	1,179252E+22	8,164583E+21	6,062117E+21	6,062253E+21	8,164918E+21	1,179278E+22
-865	1,590986E+22	1,941289E+22	2,142702E+22	2,142705E+22	1,941307E+22	1,591014E+22	1,179282E+22	8,164711E+21	6,061996E+21	6,061926E+21	8,164498E+21	1,179244E+22
-864	1,590962E+22	1,941290E+22	2,142775E+22	2,142804E+22	1,941370E+22	1,591033E+22	1,179272E+22	8,164505E+21	6,061807E+21	6,061765E+21	8,164476E+21	1,179286E+22
-863	1,591065E+22	1,941387E+22	2,142803E+22	2,142778E+22	1,941325E+22	1,590995E+22	1,179244E+22	8,164240E+21	6,061598E+21	6,061720E+21	8,164503E+21	1,179262E+22
-862	1,591000E+22	1,941304E+22	2,142728E+22	2,142751E+22	1,941332E+22	1,591017E+22	1,179276E+22	8,164532E+21	6,061684E+21	6,061528E+21	8,164114E+21	1,179226E+22
-861	1,591004E+22	1,941392E+22	2,142863E+22	2,142845E+22	1,941369E+22	1,591005E+22	1,179241E+22	8,164270E+21	6,061650E+21	6,061720E+21	8,164540E+21	1,179284E+22
-860	1,591035E+22	1,941363E+22	2,142798E+22	2,142763E+22	1,941307E+22	1,590986E+22	1,179248E+22	8,164428E+21	6,061842E+21	6,061916E+21	8,164565E+21	1,179250E+22
-859	1,590957E+22	1,941248E+22	2,142721E+22	2,142776E+22	1,941359E+22	1,591041E+22	1,179297E+22	8,164840E+21	6,062146E+21	6,062050E+21	8,164555E+21	1,179254E+22
-858	1,591016E+22	1,941363E+22	2,142796E+22	2,142793E+22	1,941347E+22	1,591008E+22	1,179263E+22	8,164690E+21	6,062263E+21	6,062432E+21	8,165125E+21	1,179304E+22
-857	1,591011E+22	1,941294E+22	2,142672E+22	2,142648E+22	1,941256E+22	1,590995E+22	1,179300E+22	8,165194E+21	6,062676E+21	6,062643E+21	8,165049E+21	1,179269E+22
-856	1,590951E+22	1,941237E+22	2,142685E+22	2,142706E+22	1,941295E+22	1,591013E+22	1,179319E+22	8,165526E+21	6,063073E+21	6,062949E+21	8,165236E+21	1,179296E+22
-855	1,591021E+22	1,941317E+22	2,142717E+22	2,142690E+22	1,941249E+22	1,590961E+22	1,179285E+22	8,165416E+21	6,063230E+21	6,063386E+21	8,165781E+21	1,179313E+22
-854	1,590960E+22	1,941199E+22	2,142589E+22	2,142610E+22	1,941229E+22	1,590980E+22	1,179323E+22	8,165839E+21	6,063513E+21	6,063429E+21	8,165601E+21	1,179286E+22
-853	1,590943E+22	1,941231E+22	2,142673E+22	2,142685E+22	1,941273E+22	1,590990E+22	1,179311E+22	8,165711E+21	6,063521E+21	6,063590E+21	8,165978E+21	1,179353E+22
-852	1,591018E+22	1,941257E+22	2,142633E+22	2,142607E+22	1,941201E+22	1,590956E+22	1,179303E+22	8,165701E+21	6,063545E+21	6,063663E+21	8,165970E+21	1,179326E+22
-851	1,590960E+22	1,941170E+22	2,142556E+22	2,142598E+22	1,941243E+22	1,591010E+22	1,179349E+22	8,165983E+21	6,063581E+21	6,063408E+21	8,165508E+21	1,179287E+22
-850	1,590986E+22	1,941300E+22	2,142707E+22	2,142684E+22	1,941262E+22	1,590983E+22	1,179304E+22	8,165583E+21	6,063349E+21	6,063403E+21	8,165755E+21	1,179328E+22
-849	1,591003E+22	1,941267E+22	2,142647E+22	2,142612E+22	1,941201E+22	1,590956E+22	1,179301E+22	8,165569E+21	6,063234E+21	6,063197E+21	8,165421E+21	1,179275E+22
-848	1,590928E+22	1,941188E+22	2,142641E+22	2,142696E+22	1,941293E+22	1,591005E+22	1,179315E+22	8,165544E+21	6,063098E+21	6,062941E+21	8,165178E+21	1,179278E+22
-847	1,590997E+22	1,941309E+22	2,142725E+22	2,142728E+22	1,941296E+22	1,590983E+22	1,179270E+22	8,164994E+21	6,062686E+21	6,062862E+21	8,165453E+21	1,179311E+22
-846	1,590982E+22	1,941242E+22	2,142636E+22	2,142646E+22	1,941260E+22	1,590996E+22	1,179297E+22	8,165104E+21	6,062511E+21	6,062428E+21	8,164864E+21	1,179260E+22
-845	1,590962E+22	1,941275E+22	2,142732E+22	2,142743E+22	1,941316E+22	1,591014E+22	1,179292E+22	8,164965E+21	6,062368E+21	6,062313E+21	8,164881E+21	1,179296E+22
-844	1,591042E+22	1,941351E+22	2,142758E+22	2,142723E+22	1,941265E+22	1,590962E+22	1,179256E+22	8,164748E+21	6,062296E+21	6,062397E+21	8,164969E+21	1,179275E+22
-843	1,590979E+22	1,941256E+22	2,142666E+22	2,142698E+22	1,941302E+22	1,591010E+22	1,179294E+22	8,165019E+21	6,062393E+21	6,062255E+21	8,164623E+21	1,179233E+22
-842	1,590966E+22	1,941329E+22	2,142791E+22	2,142789E+22	1,941343E+22	1,591007E+22	1,179270E+22	8,164829E+21	6,062399E+21	6,062484E+21	8,165105E+21	1,179305E+22
-841	1,591016E+22	1,941307E+22	2,142717E+22	2,142690E+22	1,941254E+22	1,590968E+22	1,179269E+22	8,164947E+21	6,062554E+21	6,062656E+21	8,165169E+21	1,179284E+22

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	1,590954E+22	1,941199E+22	2,142631E+22	2,142692E+22	1,941301E+22	1,591018E+22	1,179320E+22	8,165455E+21	6,062934E+21	6,062792E+21	8,165083E+21	1,179273E+22
-839	1,590996E+22	1,941312E+22	2,142715E+22	2,142705E+22	1,941284E+22	1,590990E+22	1,179293E+22	8,165345E+21	6,063089E+21	6,063235E+21	8,165718E+21	1,179327E+22
-838	1,590992E+22	1,941244E+22	2,142613E+22	2,142585E+22	1,941191E+22	1,590962E+22	1,179317E+22	8,165769E+21	6,063460E+21	6,063413E+21	8,165584E+21	1,179281E+22
-837	1,590925E+22	1,941190E+22	2,142625E+22	2,142646E+22	1,941244E+22	1,590987E+22	1,179335E+22	8,166062E+21	6,063824E+21	6,063750E+21	8,165895E+21	1,179320E+22
-836	1,590987E+22	1,941246E+22	2,142634E+22	2,142617E+22	1,941196E+22	1,590936E+22	1,179296E+22	8,165923E+21	6,063991E+21	6,064187E+21	8,166438E+21	1,179351E+22
-835	1,590954E+22	1,941142E+22	2,142495E+22	2,142523E+22	1,941185E+22	1,590978E+22	1,179348E+22	8,166327E+21	6,064190E+21	6,064121E+21	8,166118E+21	1,179308E+22
-834	1,590934E+22	1,941190E+22	2,142600E+22	2,142607E+22	1,941223E+22	1,590983E+22	1,179343E+22	8,166291E+21	6,064216E+21	6,064228E+21	8,166383E+21	1,179367E+22
-833	1,591013E+22	1,941233E+22	2,142581E+22	2,142539E+22	1,941136E+22	1,590923E+22	1,179317E+22	8,166193E+21	6,064198E+21	6,064275E+21	8,166362E+21	1,179335E+22
-832	1,590943E+22	1,941139E+22	2,142512E+22	2,142551E+22	1,941194E+22	1,590977E+22	1,179358E+22	8,166483E+21	6,064260E+21	6,064040E+21	8,165897E+21	1,179284E+22
-831	1,590941E+22	1,941239E+22	2,142648E+22	2,142639E+22	1,941233E+22	1,590971E+22	1,179320E+22	8,166040E+21	6,063991E+21	6,064069E+21	8,166271E+21	1,179344E+22
-830	1,590967E+22	1,941199E+22	2,142584E+22	2,142570E+22	1,941175E+22	1,590948E+22	1,179314E+22	8,165932E+21	6,063765E+21	6,063760E+21	8,165870E+21	1,179295E+22
-829	1,590914E+22	1,941144E+22	2,142575E+22	2,142635E+22	1,941257E+22	1,591000E+22	1,179337E+22	8,165940E+21	6,063598E+21	6,063485E+21	8,165668E+21	1,179305E+22
-828	1,590986E+22	1,941259E+22	2,142647E+22	2,142650E+22	1,941240E+22	1,590961E+22	1,179287E+22	8,165464E+21	6,063291E+21	6,063442E+21	8,165896E+21	1,179338E+22
-827	1,590987E+22	1,941217E+22	2,142571E+22	2,142568E+22	1,941211E+22	1,590985E+22	1,179317E+22	8,165575E+21	6,063139E+21	6,063030E+21	8,165253E+21	1,179267E+22
-826	1,590942E+22	1,941246E+22	2,142691E+22	2,142690E+22	1,941267E+22	1,590992E+22	1,179311E+22	8,165503E+21	6,063073E+21	6,062990E+21	8,165322E+21	1,179305E+22
-825	1,591019E+22	1,941308E+22	2,142707E+22	2,142676E+22	1,941217E+22	1,590928E+22	1,179259E+22	8,165177E+21	6,062970E+21	6,063112E+21	8,165536E+21	1,179301E+22
-824	1,590962E+22	1,941206E+22	2,142595E+22	2,142642E+22	1,941265E+22	1,590989E+22	1,179304E+22	8,165488E+21	6,063087E+21	6,062972E+21	8,165185E+21	1,179257E+22
-823	1,590941E+22	1,941263E+22	2,142701E+22	2,142708E+22	1,941298E+22	1,591003E+22	1,179299E+22	8,165376E+21	6,063103E+21	6,063202E+21	8,165676E+21	1,179334E+22
-822	1,591003E+22	1,941254E+22	2,142642E+22	2,142617E+22	1,941201E+22	1,590952E+22	1,179295E+22	8,165509E+21	6,063255E+21	6,063314E+21	8,165616E+21	1,179299E+22
-821	1,590944E+22	1,941171E+22	2,142572E+22	2,142614E+22	1,941238E+22	1,590995E+22	1,179345E+22	8,166052E+21	6,063686E+21	6,063529E+21	8,165610E+21	1,179284E+22
-820	1,590960E+22	1,941250E+22	2,142642E+22	2,142629E+22	1,941215E+22	1,590953E+22	1,179309E+22	8,165973E+21	6,063949E+21	6,064074E+21	8,166315E+21	1,179347E+22
-819	1,590966E+22	1,941182E+22	2,142530E+22	2,142511E+22	1,941150E+22	1,590950E+22	1,179334E+22	8,166323E+21	6,064271E+21	6,064250E+21	8,166203E+21	1,179299E+22
-818	1,590893E+22	1,941126E+22	2,142547E+22	2,142574E+22	1,941198E+22	1,590976E+22	1,179360E+22	8,166642E+21	6,064609E+21	6,064544E+21	8,166492E+21	1,179349E+22
-817	1,590977E+22	1,941195E+22	2,142555E+22	2,142539E+22	1,941136E+22	1,590910E+22	1,179312E+22	8,166427E+21	6,064692E+21	6,064905E+21	8,167006E+21	1,179384E+22
-816	1,590957E+22	1,941109E+22	2,142425E+22	2,142449E+22	1,941132E+22	1,590953E+22	1,179365E+22	8,166878E+21	6,064901E+21	6,064783E+21	8,166555E+21	1,179319E+22
-815	1,590914E+22	1,941150E+22	2,142539E+22	2,142538E+22	1,941174E+22	1,590970E+22	1,179368E+22	8,166856E+21	6,064932E+21	6,064907E+21	8,166836E+21	1,179376E+22
-814	1,590984E+22	1,941187E+22	2,142541E+22	2,142501E+22	1,941096E+22	1,590901E+22	1,179331E+22	8,166670E+21	6,064846E+21	6,064903E+21	8,166778E+21	1,179339E+22
-813	1,590911E+22	1,941091E+22	2,142459E+22	2,142506E+22	1,941164E+22	1,590963E+22	1,179371E+22	8,166903E+21	6,064865E+21	6,064703E+21	8,166452E+21	1,179303E+22
-812	1,590902E+22	1,941159E+22	2,142561E+22	2,142570E+22	1,941193E+22	1,590958E+22	1,179334E+22	8,166471E+21	6,064612E+21	6,064724E+21	8,166825E+21	1,179378E+22
-811	1,590963E+22	1,941146E+22	2,142491E+22	2,142482E+22	1,941134E+22	1,590947E+22	1,179337E+22	8,166356E+21	6,064331E+21	6,064338E+21	8,166314E+21	1,179317E+22
-810	1,590910E+22	1,941113E+22	2,142512E+22	2,142555E+22	1,941201E+22	1,590984E+22	1,179361E+22	8,166450E+21	6,064210E+21	6,064043E+21	8,166028E+21	1,179323E+22
-809	1,590990E+22	1,941243E+22	2,142603E+22	2,142582E+22	1,941172E+22	1,590922E+22	1,179292E+22	8,165888E+21	6,063897E+21	6,064029E+21	8,166292E+21	1,179353E+22
-808	1,590980E+22	1,941195E+22	2,142534E+22	2,142522E+22	1,941164E+22	1,590948E+22	1,179319E+22	8,166013E+21	6,063777E+21	6,063650E+21	8,165660E+21	1,179271E+22
-807	1,590907E+22	1,941193E+22	2,142638E+22	2,142648E+22	1,941243E+22	1,590983E+22	1,179326E+22	8,165942E+21	6,063711E+21	6,063660E+21	8,165841E+21	1,179324E+22
-806	1,590989E+22	1,941248E+22	2,142652E+22	2,142633E+22	1,941191E+22	1,590920E+22	1,179275E+22	8,165592E+21	6,063551E+21	6,063710E+21	8,165991E+21	1,179319E+22
-805	1,590945E+22	1,941157E+22	2,142527E+22	2,142575E+22	1,941227E+22	1,590986E+22	1,179333E+22	8,165997E+21	6,063722E+21	6,063631E+21	8,165713E+21	1,179278E+22

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°
-804	1,590916E+22	1,941198E+22	2,142611E+22	2,142621E+22	1,941241E+22	1,590987E+22	1,179328E+22	8,166007E+21	6,063890E+21	6,063942E+21	8,166190E+21	1,179355E+22
-803	1,590992E+22	1,941210E+22	2,142559E+22	2,142521E+22	1,941142E+22	1,590940E+22	1,179323E+22	8,166151E+21	6,064089E+21	6,064115E+21	8,166136E+21	1,179307E+22
-802	1,590913E+22	1,941121E+22	2,142510E+22	2,142540E+22	1,941174E+22	1,590967E+22	1,179368E+22	8,166726E+21	6,064576E+21	6,064389E+21	8,166202E+21	1,179305E+22
-801	1,590938E+22	1,941188E+22	2,142565E+22	2,142556E+22	1,941153E+22	1,590912E+22	1,179312E+22	8,166487E+21	6,064766E+21	6,064942E+21	8,167014E+21	1,179384E+22
-800	1,590956E+22	1,941125E+22	2,142448E+22	2,142435E+22	1,941096E+22	1,590920E+22	1,179344E+22	8,166830E+21	6,065024E+21	6,065040E+21	8,166832E+21	1,179330E+22
-799	1,590879E+22	1,941069E+22	2,142464E+22	2,142493E+22	1,941149E+22	1,590965E+22	1,179384E+22	8,167175E+21	6,065320E+21	6,065271E+21	8,167065E+21	1,179378E+22
-798	1,590969E+22	1,941155E+22	2,142499E+22	2,142474E+22	1,941085E+22	1,590892E+22	1,179333E+22	8,166943E+21	6,065352E+21	6,065521E+21	8,167401E+21	1,179393E+22
-797	1,590944E+22	1,941086E+22	2,142385E+22	2,142392E+22	1,941085E+22	1,590937E+22	1,179388E+22	8,167397E+21	6,065578E+21	6,065456E+21	8,167013E+21	1,179323E+22
-796	1,590872E+22	1,941083E+22	2,142475E+22	2,142482E+22	1,941130E+22	1,590950E+22	1,179386E+22	8,167406E+21	6,065672E+21	6,065629E+21	8,167329E+21	1,179388E+22
-795	1,590954E+22	1,941122E+22	2,142458E+22	2,142436E+22	1,941074E+22	1,590904E+22	1,179351E+22	8,167146E+21	6,065517E+21	6,065594E+21	8,167287E+21	1,179354E+22
-794	1,590881E+22	1,941029E+22	2,142385E+22	2,142435E+22	1,941124E+22	1,590958E+22	1,179397E+22	8,167403E+21	6,065501E+21	6,065333E+21	8,166938E+21	1,179333E+22
-793	1,590901E+22	1,941107E+22	2,142480E+22	2,142487E+22	1,941132E+22	1,590931E+22	1,179346E+22	8,166890E+21	6,065185E+21	6,065307E+21	8,167297E+21	1,179410E+22
-792	1,590977E+22	1,941124E+22	2,142433E+22	2,142408E+22	1,941074E+22	1,590916E+22	1,179347E+22	8,166803E+21	6,064914E+21	6,064892E+21	8,166693E+21	1,179330E+22
-791	1,590901E+22	1,941090E+22	2,142471E+22	2,142493E+22	1,941145E+22	1,590960E+22	1,179374E+22	8,166888E+21	6,064814E+21	6,064639E+21	8,166435E+21	1,179331E+22
-790	1,590966E+22	1,941209E+22	2,142581E+22	2,142553E+22	1,941134E+22	1,590894E+22	1,179296E+22	8,166272E+21	6,064467E+21	6,064601E+21	8,166676E+21	1,179358E+22
-789	1,590956E+22	1,941156E+22	2,142497E+22	2,142489E+22	1,941142E+22	1,590935E+22	1,179327E+22	8,166366E+21	6,064350E+21	6,064294E+21	8,166180E+21	1,179287E+22
-788	1,590871E+22	1,941114E+22	2,142552E+22	2,142582E+22	1,941209E+22	1,590978E+22	1,179347E+22	8,166417E+21	6,064367E+21	6,064328E+21	8,166353E+21	1,179349E+22
-787	1,590979E+22	1,941189E+22	2,142556E+22	2,142546E+22	1,941156E+22	1,590927E+22	1,179308E+22	8,166144E+21	6,064239E+21	6,064374E+21	8,166449E+21	1,179333E+22
-786	1,590928E+22	1,941113E+22	2,142457E+22	2,142487E+22	1,941163E+22	1,590971E+22	1,179367E+22	8,166671E+21	6,064521E+21	6,064349E+21	8,166171E+21	1,179294E+22
-785	1,590904E+22	1,941149E+22	2,142541E+22	2,142535E+22	1,941164E+22	1,590947E+22	1,179341E+22	8,166600E+21	6,064715E+21	6,064753E+21	8,166756E+21	1,179374E+22
-784	1,590975E+22	1,941162E+22	2,142495E+22	2,142452E+22	1,941079E+22	1,590899E+22	1,179331E+22	8,166724E+21	6,064919E+21	6,064964E+21	8,166757E+21	1,179324E+22
-783	1,590880E+22	1,941054E+22	2,142434E+22	2,142471E+22	1,941129E+22	1,590948E+22	1,179381E+22	8,167240E+21	6,065359E+21	6,065235E+21	8,166893E+21	1,179337E+22
-782	1,590917E+22	1,941127E+22	2,142499E+22	2,142493E+22	1,941108E+22	1,590895E+22	1,179327E+22	8,166956E+21	6,065445E+21	6,065655E+21	8,167583E+21	1,179414E+22
-781	1,590953E+22	1,941085E+22	2,142384E+22	2,142367E+22	1,941052E+22	1,590909E+22	1,179367E+22	8,167329E+21	6,065701E+21	6,065749E+21	8,167385E+21	1,179353E+22
-780	1,590863E+22	1,941014E+22	2,142385E+22	2,142413E+22	1,941097E+22	1,590952E+22	1,179413E+22	8,167792E+21	6,066090E+21	6,065991E+21	8,167543E+21	1,179393E+22
-779	1,590957E+22	1,941115E+22	2,142429E+22	2,142398E+22	1,941042E+22	1,590888E+22	1,179363E+22	8,167559E+21	6,066130E+21	6,066253E+21	8,167855E+21	1,179394E+22
-778	1,590906E+22	1,941032E+22	2,142332E+22	2,142334E+22	1,941039E+22	1,590921E+22	1,179414E+22	8,168025E+21	6,066376E+21	6,066212E+21	8,167532E+21	1,179340E+22
-777	1,590846E+22	1,941011E+22	2,142393E+22	2,142413E+22	1,941081E+22	1,590924E+22	1,179394E+22	8,167863E+21	6,066375E+21	6,066377E+21	8,167933E+21	1,179418E+22
-776	1,590945E+22	1,941065E+22	2,142373E+22	2,142355E+22	1,941018E+22	1,590880E+22	1,179364E+22	8,167585E+21	6,066130E+21	6,066238E+21	8,167809E+21	1,179380E+22
-775	1,590874E+22	1,940983E+22	2,142310E+22	2,142354E+22	1,941068E+22	1,590941E+22	1,179414E+22	8,167833E+21	6,066071E+21	6,065910E+21	8,167394E+21	1,179358E+22
-774	1,590902E+22	1,941087E+22	2,142443E+22	2,142426E+22	1,941072E+22	1,590900E+22	1,179353E+22	8,167268E+21	6,065697E+21	6,065785E+21	8,167596E+21	1,179417E+22
-773	1,590970E+22	1,941112E+22	2,142414E+22	2,142368E+22	1,941029E+22	1,590889E+22	1,179353E+22	8,167153E+21	6,065449E+21	6,065450E+21	8,167069E+21	1,179330E+22
-772	1,590866E+22	1,941035E+22	2,142424E+22	2,142458E+22	1,941116E+22	1,590943E+22	1,179384E+22	8,167303E+21	6,065423E+21	6,065255E+21	8,166865E+21	1,179340E+22
-771	1,590939E+22	1,941152E+22	2,142510E+22	2,142502E+22	1,941124E+22	1,590904E+22	1,179317E+22	8,166695E+21	6,065069E+21	6,065219E+21	8,167116E+21	1,179367E+22
-770	1,590923E+22	1,941095E+22	2,142430E+22	2,142429E+22	1,941111E+22	1,590941E+22	1,179361E+22	8,166909E+21	6,065006E+21	6,064924E+21	8,166648E+21	1,179313E+22
-769	1,590864E+22	1,941049E+22	2,142461E+22	2,142497E+22	1,941153E+22	1,590959E+22	1,179368E+22	8,166949E+21	6,065062E+21	6,065014E+21	8,166862E+21	1,179373E+22

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	1,590977E+22	1,941150E+22	2,142480E+22	2,142457E+22	1,941086E+22	1,590900E+22	1,179330E+22	8,166741E+21	6,064992E+21	6,065098E+21	8,166951E+21	1,179348E+22
-767	1,590909E+22	1,941068E+22	2,142396E+22	2,142408E+22	1,941094E+22	1,590941E+22	1,179386E+22	8,167256E+21	6,065322E+21	6,065161E+21	8,166771E+21	1,179313E+22
-766	1,590879E+22	1,941100E+22	2,142492E+22	2,142477E+22	1,941104E+22	1,590909E+22	1,179346E+22	8,167091E+21	6,065461E+21	6,065535E+21	8,167356E+21	1,179396E+22
-765	1,590957E+22	1,941113E+22	2,142434E+22	2,142395E+22	1,941038E+22	1,590878E+22	1,179338E+22	8,167141E+21	6,065633E+21	6,065783E+21	8,167447E+21	1,179355E+22
-764	1,590858E+22	1,940981E+22	2,142341E+22	2,142390E+22	1,941081E+22	1,590936E+22	1,179402E+22	8,167759E+21	6,066094E+21	6,066002E+21	8,167501E+21	1,179370E+22
-763	1,590917E+22	1,941080E+22	2,142407E+22	2,142405E+22	1,941067E+22	1,590898E+22	1,179360E+22	8,167557E+21	6,066193E+21	6,066364E+21	8,168057E+21	1,179427E+22
-762	1,590938E+22	1,941050E+22	2,142329E+22	2,142294E+22	1,940995E+22	1,590897E+22	1,179403E+22	8,168026E+21	6,066522E+21	6,066467E+21	8,167823E+21	1,179365E+22
-761	1,590846E+22	1,940960E+22	2,142317E+22	2,142341E+22	1,941033E+22	1,590921E+22	1,179431E+22	8,168402E+21	6,066911E+21	6,066781E+21	8,168062E+21	1,179402E+22
-760	1,590928E+22	1,941061E+22	2,142366E+22	2,142338E+22	1,940991E+22	1,590862E+22	1,179381E+22	8,168133E+21	6,066903E+21	6,067031E+21	8,168418E+21	1,179406E+22
-759	1,590868E+22	1,940961E+22	2,142255E+22	2,142266E+22	1,940993E+22	1,590908E+22	1,179432E+22	8,168510E+21	6,067071E+21	6,066955E+21	8,168141E+21	1,179366E+22
-758	1,590823E+22	1,940951E+22	2,142322E+22	2,142343E+22	1,941029E+22	1,590905E+22	1,179408E+22	8,168267E+21	6,066941E+21	6,066968E+21	8,168410E+21	1,179444E+22
-757	1,590945E+22	1,941032E+22	2,142314E+22	2,142291E+22	1,940971E+22	1,590861E+22	1,179375E+22	8,167950E+21	6,066672E+21	6,066820E+21	8,168263E+21	1,179399E+22
-756	1,590865E+22	1,940943E+22	2,142245E+22	2,142283E+22	1,941014E+22	1,590920E+22	1,179429E+22	8,168276E+21	6,066668E+21	6,066481E+21	8,167778E+21	1,179370E+22
-755	1,590895E+22	1,941061E+22	2,142392E+22	2,142373E+22	1,941038E+22	1,590890E+22	1,179371E+22	8,167724E+21	6,066308E+21	6,066370E+21	8,167960E+21	1,179416E+22
-754	1,590938E+22	1,941070E+22	2,142381E+22	2,142338E+22	1,940998E+22	1,590875E+22	1,179370E+22	8,167635E+21	6,066089E+21	6,066062E+21	8,167507E+21	1,179346E+22
-753	1,590843E+22	1,940967E+22	2,142349E+22	2,142401E+22	1,941080E+22	1,590928E+22	1,179393E+22	8,167698E+21	6,066033E+21	6,065913E+21	8,167395E+21	1,179364E+22
-752	1,590926E+22	1,941098E+22	2,142431E+22	2,142428E+22	1,941076E+22	1,590894E+22	1,179340E+22	8,167163E+21	6,065667E+21	6,065837E+21	8,167597E+21	1,179387E+22
-751	1,590910E+22	1,941045E+22	2,142352E+22	2,142346E+22	1,941052E+22	1,590928E+22	1,179387E+22	8,167435E+21	6,065666E+21	6,065577E+21	8,167139E+21	1,179333E+22
-750	1,590855E+22	1,941017E+22	2,142406E+22	2,142422E+22	1,941085E+22	1,590930E+22	1,179383E+22	8,167454E+21	6,065732E+21	6,065655E+21	8,167295E+21	1,179384E+22
-749	1,590963E+22	1,941120E+22	2,142437E+22	2,142401E+22	1,941030E+22	1,590868E+22	1,179338E+22	8,167203E+21	6,065709E+21	6,065861E+21	8,167506E+21	1,179359E+22
-748	1,590875E+22	1,941003E+22	2,142325E+22	2,142350E+22	1,941048E+22	1,590917E+22	1,179397E+22	8,167765E+21	6,066085E+21	6,065957E+21	8,167387E+21	1,179337E+22
-747	1,590861E+22	1,941042E+22	2,142407E+22	2,142409E+22	1,941073E+22	1,590907E+22	1,179368E+22	8,167610E+21	6,066196E+21	6,066295E+21	8,167940E+21	1,179417E+22
-746	1,590934E+22	1,941056E+22	2,142365E+22	2,142329E+22	1,940994E+22	1,590873E+22	1,179371E+22	8,167761E+21	6,066395E+21	6,066509E+21	8,168003E+21	1,179388E+22
-745	1,590856E+22	1,940926E+22	2,142254E+22	2,142304E+22	1,941022E+22	1,590917E+22	1,179427E+22	8,168363E+21	6,066884E+21	6,066771E+21	8,168051E+21	1,179392E+22
-744	1,590911E+22	1,941045E+22	2,142338E+22	2,142318E+22	1,940997E+22	1,590876E+22	1,179391E+22	8,168225E+21	6,067012E+21	6,067138E+21	8,168557E+21	1,179433E+22
-743	1,590906E+22	1,940998E+22	2,142268E+22	2,142227E+22	1,940935E+22	1,590875E+22	1,179428E+22	8,168671E+21	6,067371E+21	6,067306E+21	8,168417E+21	1,179378E+22
-742	1,590810E+22	1,940900E+22	2,142256E+22	2,142285E+22	1,940982E+22	1,590890E+22	1,179439E+22	8,168901E+21	6,067654E+21	6,067551E+21	8,168651E+21	1,179420E+22
-741	1,590900E+22	1,940997E+22	2,142290E+22	2,142275E+22	1,940950E+22	1,590844E+22	1,179388E+22	8,168521E+21	6,067562E+21	6,067784E+21	8,169047E+21	1,179434E+22
-740	1,590847E+22	1,940888E+22	2,142159E+22	2,142182E+22	1,940941E+22	1,590894E+22	1,179451E+22	8,168959E+21	6,067693E+21	6,067604E+21	8,168679E+21	1,179399E+22
-739	1,590829E+22	1,940915E+22	2,142239E+22	2,142259E+22	1,940979E+22	1,590894E+22	1,179431E+22	8,168745E+21	6,067539E+21	6,067529E+21	8,168788E+21	1,179455E+22
-738	1,590934E+22	1,941012E+22	2,142275E+22	2,142234E+22	1,940918E+22	1,590843E+22	1,179398E+22	8,168470E+21	6,067302E+21	6,067368E+21	8,168609E+21	1,179412E+22
-737	1,590854E+22	1,940906E+22	2,142197E+22	2,142233E+22	1,940965E+22	1,590889E+22	1,179434E+22	8,168692E+21	6,067288E+21	6,067103E+21	8,168200E+21	1,179377E+22
-736	1,590873E+22	1,941020E+22	2,142343E+22	2,142329E+22	1,941000E+22	1,590873E+22	1,179385E+22	8,168148E+21	6,066897E+21	6,066977E+21	8,168405E+21	1,179425E+22
-735	1,590904E+22	1,941011E+22	2,142317E+22	2,142290E+22	1,940969E+22	1,590873E+22	1,179391E+22	8,168053E+21	6,066668E+21	6,066677E+21	8,168009E+21	1,179368E+22
-734	1,590825E+22	1,940917E+22	2,142282E+22	2,142339E+22	1,941036E+22	1,590915E+22	1,179412E+22	8,168113E+21	6,066572E+21	6,066459E+21	8,167823E+21	1,179383E+22
-733	1,590918E+22	1,941062E+22	2,142368E+22	2,142363E+22	1,941029E+22	1,590879E+22	1,179358E+22	8,167597E+21	6,066272E+21	6,066459E+21	8,168049E+21	1,179401E+22

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	1,590893E+22	1,940999E+22	2,142281E+22	2,142268E+22	1,940990E+22	1,590906E+22	1,179409E+22	8,167980E+21	6,066377E+21	6,066266E+21	8,167624E+21	1,179348E+22
-731	1,590841E+22	1,940979E+22	2,142340E+22	2,142356E+22	1,941035E+22	1,590909E+22	1,179403E+22	8,168021E+21	6,066491E+21	6,066399E+21	8,167808E+21	1,179393E+22
-730	1,590930E+22	1,941069E+22	2,142384E+22	2,142353E+22	1,940988E+22	1,590848E+22	1,179355E+22	8,167771E+21	6,066493E+21	6,066633E+21	8,168119E+21	1,179392E+22
-729	1,590859E+22	1,940933E+22	2,142232E+22	2,142273E+22	1,940997E+22	1,590893E+22	1,179407E+22	8,168244E+21	6,066831E+21	6,066760E+21	8,168040E+21	1,179372E+22
-728	1,590856E+22	1,940993E+22	2,142323E+22	2,142323E+22	1,941011E+22	1,590891E+22	1,179396E+22	8,168184E+21	6,066927E+21	6,067035E+21	8,168504E+21	1,179442E+22
-727	1,590923E+22	1,941011E+22	2,142292E+22	2,142250E+22	1,940931E+22	1,590855E+22	1,179400E+22	8,168388E+21	6,067186E+21	6,067269E+21	8,168535E+21	1,179403E+22
-726	1,590837E+22	1,940890E+22	2,142197E+22	2,142231E+22	1,940955E+22	1,590888E+22	1,179447E+22	8,168958E+21	6,067668E+21	6,067518E+21	8,168537E+21	1,179397E+22
-725	1,590880E+22	1,940998E+22	2,142287E+22	2,142268E+22	1,940951E+22	1,590852E+22	1,179404E+22	8,168752E+21	6,067810E+21	6,067969E+21	8,169134E+21	1,179441E+22
-724	1,590861E+22	1,940917E+22	2,142180E+22	2,142161E+22	1,940893E+22	1,590859E+22	1,179447E+22	8,169222E+21	6,068155E+21	6,068121E+21	8,169054E+21	1,179403E+22
-723	1,590787E+22	1,940831E+22	2,142154E+22	2,142207E+22	1,940947E+22	1,590888E+22	1,179465E+22	8,169426E+21	6,068360E+21	6,068272E+21	8,169218E+21	1,179445E+22
-722	1,590880E+22	1,940941E+22	2,142212E+22	2,142202E+22	1,940901E+22	1,590833E+22	1,179417E+22	8,169076E+21	6,068232E+21	6,068408E+21	8,169553E+21	1,179471E+22
-721	1,590851E+22	1,940843E+22	2,142074E+22	2,142095E+22	1,940876E+22	1,590865E+22	1,179464E+22	8,169435E+21	6,068340E+21	6,068238E+21	8,169141E+21	1,179421E+22
-720	1,590831E+22	1,940900E+22	2,142192E+22	2,142186E+22	1,940909E+22	1,590866E+22	1,179451E+22	8,169247E+21	6,068170E+21	6,068135E+21	8,169189E+21	1,179461E+22
-719	1,590910E+22	1,940978E+22	2,142240E+22	2,142193E+22	1,940872E+22	1,590818E+22	1,179411E+22	8,168936E+21	6,067948E+21	6,068015E+21	8,169067E+21	1,179420E+22
-718	1,590825E+22	1,940866E+22	2,142155E+22	2,142197E+22	1,940933E+22	1,590867E+22	1,179438E+22	8,169043E+21	6,067844E+21	6,067694E+21	8,168656E+21	1,179392E+22
-717	1,590848E+22	1,940970E+22	2,142283E+22	2,142283E+22	1,940977E+22	1,590867E+22	1,179394E+22	8,168462E+21	6,067426E+21	6,067571E+21	8,168869E+21	1,179442E+22
-716	1,590881E+22	1,940948E+22	2,142231E+22	2,142218E+22	1,940929E+22	1,590868E+22	1,179416E+22	8,168513E+21	6,067240E+21	6,067242E+21	8,168447E+21	1,179391E+22
-715	1,590823E+22	1,940881E+22	2,142200E+22	2,142260E+22	1,940991E+22	1,590906E+22	1,179440E+22	8,168647E+21	6,067205E+21	6,067030E+21	8,168189E+21	1,179390E+22
-714	1,590895E+22	1,941027E+22	2,142321E+22	2,142304E+22	1,940975E+22	1,590858E+22	1,179383E+22	8,168188E+21	6,066984E+21	6,067090E+21	8,168484E+21	1,179418E+22
-713	1,590874E+22	1,940949E+22	2,142216E+22	2,142206E+22	1,940934E+22	1,590870E+22	1,179415E+22	8,168475E+21	6,067119E+21	6,067033E+21	8,168197E+21	1,179367E+22
-712	1,590820E+22	1,940933E+22	2,142276E+22	2,142289E+22	1,940978E+22	1,590883E+22	1,179418E+22	8,168518E+21	6,067206E+21	6,067158E+21	8,168404E+21	1,179414E+22
-711	1,590901E+22	1,941007E+22	2,142309E+22	2,142288E+22	1,940944E+22	1,590836E+22	1,179377E+22	8,168283E+21	6,067214E+21	6,067395E+21	8,168734E+21	1,179421E+22
-710	1,590848E+22	1,940889E+22	2,142161E+22	2,142201E+22	1,940944E+22	1,590872E+22	1,179424E+22	8,168738E+21	6,067511E+21	6,067448E+21	8,168565E+21	1,179396E+22
-709	1,590849E+22	1,940955E+22	2,142255E+22	2,142252E+22	1,940961E+22	1,590873E+22	1,179415E+22	8,168714E+21	6,067674E+21	6,067778E+21	8,169001E+21	1,179454E+22
-708	1,590897E+22	1,940957E+22	2,142217E+22	2,142174E+22	1,940875E+22	1,590838E+22	1,179429E+22	8,169040E+21	6,068017E+21	6,068069E+21	8,169087E+21	1,179417E+22
-707	1,590812E+22	1,940836E+22	2,142120E+22	2,142165E+22	1,940910E+22	1,590871E+22	1,179473E+22	8,169608E+21	6,068517E+21	6,068344E+21	8,169115E+21	1,179408E+22
-706	1,590834E+22	1,940926E+22	2,142213E+22	2,142209E+22	1,940911E+22	1,590838E+22	1,179428E+22	8,169367E+21	6,068626E+21	6,068770E+21	8,169785E+21	1,179477E+22
-705	1,590842E+22	1,940839E+22	2,142072E+22	2,142068E+22	1,940835E+22	1,590837E+22	1,179461E+22	8,169723E+21	6,068899E+21	6,068917E+21	8,169709E+21	1,179441E+22
-704	1,590788E+22	1,940787E+22	2,142066E+22	2,142104E+22	1,940870E+22	1,590865E+22	1,179490E+22	8,169964E+21	6,069036E+21	6,068948E+21	8,169735E+21	1,179471E+22
-703	1,590875E+22	1,940908E+22	2,142149E+22	2,142124E+22	1,940837E+22	1,590808E+22	1,179437E+22	8,169613E+21	6,068919E+21	6,069058E+21	8,169995E+21	1,179485E+22
-702	1,590843E+22	1,940829E+22	2,142041E+22	2,142039E+22	1,940817E+22	1,590829E+22	1,179470E+22	8,169861E+21	6,068953E+21	6,068830E+21	8,169520E+21	1,179426E+22
-701	1,590809E+22	1,940870E+22	2,142164E+22	2,142159E+22	1,940879E+22	1,590842E+22	1,179452E+22	8,169608E+21	6,068772E+21	6,068765E+21	8,169607E+21	1,179464E+22
-700	1,590871E+22	1,940914E+22	2,142177E+22	2,142153E+22	1,940854E+22	1,590813E+22	1,179428E+22	8,169350E+21	6,068532E+21	6,068622E+21	8,169534E+21	1,179436E+22
-699	1,590802E+22	1,940807E+22	2,142076E+22	2,142142E+22	1,940915E+22	1,590873E+22	1,179466E+22	8,169498E+21	6,068410E+21	6,068252E+21	8,169070E+21	1,179406E+22
-698	1,590822E+22	1,940915E+22	2,142217E+22	2,142226E+22	1,940945E+22	1,590867E+22	1,179426E+22	8,168997E+21	6,068029E+21	6,068107E+21	8,169278E+21	1,179468E+22
-697	1,590875E+22	1,940898E+22	2,142145E+22	2,142129E+22	1,940869E+22	1,590845E+22	1,179434E+22	8,169021E+21	6,067909E+21	6,067887E+21	8,168900E+21	1,179409E+22

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	1,590817E+22	1,940855E+22	2,142144E+22	2,142176E+22	1,940915E+22	1,590876E+22	1,179462E+22	8,169193E+21	6,067906E+21	6,067718E+21	8,168672E+21	1,179402E+22
-695	1,590869E+22	1,940981E+22	2,142270E+22	2,142250E+22	1,940920E+22	1,590824E+22	1,179393E+22	8,168697E+21	6,067722E+21	6,067851E+21	8,169060E+21	1,179438E+22
-694	1,590850E+22	1,940902E+22	2,142157E+22	2,142148E+22	1,940886E+22	1,590837E+22	1,179413E+22	8,168847E+21	6,067765E+21	6,067748E+21	8,168790E+21	1,179397E+22
-693	1,590806E+22	1,940885E+22	2,142209E+22	2,142228E+22	1,940941E+22	1,590866E+22	1,179424E+22	8,168884E+21	6,067838E+21	6,067861E+21	8,168957E+21	1,179441E+22
-692	1,590888E+22	1,940950E+22	2,142222E+22	2,142207E+22	1,940896E+22	1,590826E+22	1,179404E+22	8,168825E+21	6,067902E+21	6,068072E+21	8,169234E+21	1,179445E+22
-691	1,590844E+22	1,940852E+22	2,142086E+22	2,142124E+22	1,940897E+22	1,590863E+22	1,179457E+22	8,169382E+21	6,068284E+21	6,068146E+21	8,168992E+21	1,179401E+22
-690	1,590816E+22	1,940908E+22	2,142203E+22	2,142195E+22	1,940914E+22	1,590858E+22	1,179447E+22	8,169415E+21	6,068521E+21	6,068534E+21	8,169503E+21	1,179467E+22
-689	1,590863E+22	1,940885E+22	2,142132E+22	2,142101E+22	1,940822E+22	1,590811E+22	1,179446E+22	8,169660E+21	6,068891E+21	6,068951E+21	8,169732E+21	1,179438E+22
-688	1,590783E+22	1,940773E+22	2,142035E+22	2,142077E+22	1,940849E+22	1,590854E+22	1,179499E+22	8,170203E+21	6,069322E+21	6,069183E+21	8,169780E+21	1,179436E+22
-687	1,590806E+22	1,940852E+22	2,142124E+22	2,142126E+22	1,940855E+22	1,590822E+22	1,179453E+22	8,169943E+21	6,069396E+21	6,069561E+21	8,170414E+21	1,179509E+22
-686	1,590837E+22	1,940799E+22	2,141997E+22	2,141982E+22	1,940770E+22	1,590807E+22	1,179474E+22	8,170200E+21	6,069569E+21	6,069595E+21	8,170233E+21	1,179469E+22
-685	1,590790E+22	1,940764E+22	2,142013E+22	2,142035E+22	1,940814E+22	1,590836E+22	1,179497E+22	8,170404E+21	6,069705E+21	6,069615E+21	8,170170E+21	1,179481E+22
-684	1,590857E+22	1,940870E+22	2,142098E+22	2,142065E+22	1,940788E+22	1,590788E+22	1,179456E+22	8,170132E+21	6,069605E+21	6,069723E+21	8,170445E+21	1,179496E+22
-683	1,590822E+22	1,940787E+22	2,141994E+22	2,142005E+22	1,940793E+22	1,590815E+22	1,179485E+22	8,170345E+21	6,069612E+21	6,069472E+21	8,169958E+21	1,179432E+22
-682	1,590769E+22	1,940806E+22	2,142108E+22	2,142124E+22	1,940865E+22	1,590842E+22	1,179473E+22	8,170073E+21	6,069382E+21	6,069358E+21	8,170083E+21	1,179490E+22
-681	1,590851E+22	1,940842E+22	2,142084E+22	2,142079E+22	1,940817E+22	1,590806E+22	1,179446E+22	8,169777E+21	6,069125E+21	6,069241E+21	8,170028E+21	1,179463E+22
-680	1,590799E+22	1,940769E+22	2,142000E+22	2,142045E+22	1,940846E+22	1,590859E+22	1,179494E+22	8,169990E+21	6,068998E+21	6,068823E+21	8,169488E+21	1,179422E+22
-679	1,590807E+22	1,940871E+22	2,142152E+22	2,142148E+22	1,940884E+22	1,590844E+22	1,179447E+22	8,169522E+21	6,068693E+21	6,068732E+21	8,169685E+21	1,179477E+22
-678	1,590862E+22	1,940875E+22	2,142104E+22	2,142066E+22	1,940806E+22	1,590805E+22	1,179435E+22	8,169424E+21	6,068535E+21	6,068527E+21	8,169351E+21	1,179422E+22
-677	1,590799E+22	1,940819E+22	2,142103E+22	2,142132E+22	1,940873E+22	1,590841E+22	1,179454E+22	8,169537E+21	6,068539E+21	6,068404E+21	8,169172E+21	1,179417E+22
-676	1,590841E+22	1,940919E+22	2,142199E+22	2,142192E+22	1,940888E+22	1,590814E+22	1,179408E+22	8,169125E+21	6,068350E+21	6,068521E+21	8,169608E+21	1,179466E+22
-675	1,590840E+22	1,940849E+22	2,142084E+22	2,142089E+22	1,940856E+22	1,590833E+22	1,179437E+22	8,169333E+21	6,068394E+21	6,068373E+21	8,169254E+21	1,179416E+22
-674	1,590789E+22	1,940835E+22	2,142145E+22	2,142168E+22	1,940905E+22	1,590864E+22	1,179457E+22	8,169482E+21	6,068531E+21	6,068484E+21	8,169407E+21	1,179463E+22
-673	1,590877E+22	1,940900E+22	2,142140E+22	2,142119E+22	1,940839E+22	1,590808E+22	1,179430E+22	8,169454E+21	6,068717E+21	6,068846E+21	8,169747E+21	1,179458E+22
-672	1,590825E+22	1,940815E+22	2,142026E+22	2,142035E+22	1,940821E+22	1,590840E+22	1,179490E+22	8,170078E+21	6,069161E+21	6,068999E+21	8,169573E+21	1,179411E+22
-671	1,590774E+22	1,940833E+22	2,142130E+22	2,142130E+22	1,940862E+22	1,590834E+22	1,179469E+22	8,170083E+21	6,069439E+21	6,069459E+21	8,170178E+21	1,179487E+22
-670	1,590833E+22	1,940821E+22	2,142047E+22	2,142020E+22	1,940766E+22	1,590782E+22	1,179454E+22	8,170160E+21	6,069684E+21	6,069808E+21	8,170436E+21	1,179474E+22
-669	1,590772E+22	1,940716E+22	2,141951E+22	2,141992E+22	1,940792E+22	1,590828E+22	1,179507E+22	8,170661E+21	6,070051E+21	6,069960E+21	8,170390E+21	1,179468E+22
-668	1,590800E+22	1,940798E+22	2,142036E+22	2,142034E+22	1,940792E+22	1,590802E+22	1,179477E+22	8,170500E+21	6,070110E+21	6,070260E+21	8,170938E+21	1,179535E+22
-667	1,590837E+22	1,940767E+22	2,141939E+22	2,141917E+22	1,940718E+22	1,590786E+22	1,179495E+22	8,170755E+21	6,070277E+21	6,070248E+21	8,170638E+21	1,179474E+22
-666	1,590765E+22	1,940729E+22	2,141982E+22	2,142000E+22	1,940779E+22	1,590821E+22	1,179517E+22	8,170946E+21	6,070400E+21	6,070261E+21	8,170614E+21	1,179493E+22
-665	1,590828E+22	1,940810E+22	2,142029E+22	2,142010E+22	1,940756E+22	1,590772E+22	1,179468E+22	8,170602E+21	6,070298E+21	6,070434E+21	8,170959E+21	1,179509E+22
-664	1,590795E+22	1,940733E+22	2,141926E+22	2,141933E+22	1,940752E+22	1,590814E+22	1,179513E+22	8,170817E+21	6,070237E+21	6,070121E+21	8,170463E+21	1,179451E+22
-663	1,590741E+22	1,940735E+22	2,142029E+22	2,142058E+22	1,940827E+22	1,590837E+22	1,179499E+22	8,170567E+21	6,070003E+21	6,069972E+21	8,170532E+21	1,179507E+22
-662	1,590843E+22	1,940801E+22	2,142011E+22	2,141997E+22	1,940758E+22	1,590782E+22	1,179458E+22	8,170188E+21	6,069687E+21	6,069801E+21	8,170444E+21	1,179483E+22
-661	1,590798E+22	1,940745E+22	2,141950E+22	2,141973E+22	1,940786E+22	1,590829E+22	1,179498E+22	8,170383E+21	6,069596E+21	6,069416E+21	8,169879E+21	1,179432E+22

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	1,590790E+22	1,940831E+22	2,142100E+22	2,142084E+22	1,940827E+22	1,590817E+22	1,179460E+22	8,169986E+21	6,069330E+21	6,069372E+21	8,170149E+21	1,179492E+22
-659	1,590845E+22	1,940830E+22	2,142057E+22	2,142028E+22	1,940774E+22	1,590782E+22	1,179442E+22	8,169844E+21	6,069161E+21	6,069173E+21	8,169832E+21	1,179437E+22
-658	1,590772E+22	1,940764E+22	2,142049E+22	2,142093E+22	1,940852E+22	1,590836E+22	1,179468E+22	8,169948E+21	6,069132E+21	6,069020E+21	8,169693E+21	1,179447E+22
-657	1,590830E+22	1,940856E+22	2,142109E+22	2,142111E+22	1,940845E+22	1,590805E+22	1,179427E+22	8,169596E+21	6,069001E+21	6,069186E+21	8,170116E+21	1,179491E+22
-656	1,590840E+22	1,940817E+22	2,142017E+22	2,141996E+22	1,940791E+22	1,590822E+22	1,179472E+22	8,169926E+21	6,069107E+21	6,069048E+21	8,169712E+21	1,179429E+22
-655	1,590768E+22	1,940784E+22	2,142082E+22	2,142096E+22	1,940848E+22	1,590847E+22	1,179487E+22	8,170157E+21	6,069369E+21	6,069261E+21	8,169876E+21	1,179465E+22
-654	1,590849E+22	1,940857E+22	2,142083E+22	2,142052E+22	1,940778E+22	1,590776E+22	1,179443E+22	8,170027E+21	6,069541E+21	6,069680E+21	8,170336E+21	1,179472E+22
-653	1,590794E+22	1,940755E+22	2,141962E+22	2,141972E+22	1,940772E+22	1,590811E+22	1,179495E+22	8,170593E+21	6,069989E+21	6,069869E+21	8,170225E+21	1,179432E+22
-652	1,590740E+22	1,940750E+22	2,142032E+22	2,142047E+22	1,940815E+22	1,590824E+22	1,179493E+22	8,170649E+21	6,070227E+21	6,070293E+21	8,170864E+21	1,179523E+22
-651	1,590824E+22	1,940756E+22	2,141959E+22	2,141945E+22	1,940719E+22	1,590768E+22	1,179478E+22	8,170723E+21	6,070424E+21	6,070551E+21	8,171012E+21	1,179503E+22
-650	1,590765E+22	1,940668E+22	2,141879E+22	2,141920E+22	1,940743E+22	1,590814E+22	1,179531E+22	8,171234E+21	6,070766E+21	6,070637E+21	8,170909E+21	1,179496E+22
-649	1,590795E+22	1,940755E+22	2,141961E+22	2,141946E+22	1,940728E+22	1,590779E+22	1,179497E+22	8,171079E+21	6,070883E+21	6,071009E+21	8,171449E+21	1,179551E+22
-648	1,590825E+22	1,940739E+22	2,141897E+22	2,141845E+22	1,940651E+22	1,590762E+22	1,179518E+22	8,171325E+21	6,071029E+21	6,070991E+21	8,171151E+21	1,179483E+22
-647	1,590727E+22	1,940662E+22	2,141921E+22	2,141953E+22	1,940745E+22	1,590805E+22	1,179535E+22	8,171476E+21	6,071142E+21	6,071009E+21	8,171140E+21	1,179504E+22
-646	1,590801E+22	1,940754E+22	2,141955E+22	2,141944E+22	1,940717E+22	1,590758E+22	1,179477E+22	8,170976E+21	6,070896E+21	6,071089E+21	8,171490E+21	1,179535E+22
-645	1,590785E+22	1,940684E+22	2,141854E+22	2,141859E+22	1,940702E+22	1,590796E+22	1,179522E+22	8,171196E+21	6,070804E+21	6,070699E+21	8,170892E+21	1,179470E+22
-644	1,590732E+22	1,940684E+22	2,141947E+22	2,141974E+22	1,940770E+22	1,590824E+22	1,179523E+22	8,171053E+21	6,070589E+21	6,070525E+21	8,170922E+21	1,179522E+22
-643	1,590836E+22	1,940769E+22	2,141963E+22	2,141942E+22	1,940706E+22	1,590757E+22	1,179473E+22	8,170658E+21	6,070289E+21	6,070355E+21	8,170785E+21	1,179485E+22
-642	1,590774E+22	1,940709E+22	2,141919E+22	2,141941E+22	1,940749E+22	1,590806E+22	1,179508E+22	8,170816E+21	6,070187E+21	6,070000E+21	8,170320E+21	1,179446E+22
-641	1,590766E+22	1,940775E+22	2,142034E+22	2,142028E+22	1,940789E+22	1,590798E+22	1,179468E+22	8,170397E+21	6,069965E+21	6,070048E+21	8,170677E+21	1,179511E+22
-640	1,590828E+22	1,940786E+22	2,141996E+22	2,141959E+22	1,940729E+22	1,590778E+22	1,179466E+22	8,170284E+21	6,069771E+21	6,069819E+21	8,170349E+21	1,179458E+22
-639	1,590753E+22	1,940703E+22	2,141978E+22	2,142032E+22	1,940815E+22	1,590832E+22	1,179496E+22	8,170480E+21	6,069806E+21	6,069681E+21	8,170152E+21	1,179462E+22
-638	1,590824E+22	1,940822E+22	2,142039E+22	2,142032E+22	1,940790E+22	1,590787E+22	1,179445E+22	8,170098E+21	6,069685E+21	6,069859E+21	8,170586E+21	1,179507E+22
-637	1,590829E+22	1,940784E+22	2,141964E+22	2,141926E+22	1,940730E+22	1,590796E+22	1,179486E+22	8,170480E+21	6,069891E+21	6,069805E+21	8,170212E+21	1,179438E+22
-636	1,590738E+22	1,940722E+22	2,142010E+22	2,142028E+22	1,940793E+22	1,590826E+22	1,179512E+22	8,170792E+21	6,070210E+21	6,070105E+21	8,170502E+21	1,179483E+22
-635	1,590816E+22	1,940783E+22	2,142008E+22	2,141998E+22	1,940737E+22	1,590756E+22	1,179459E+22	8,170599E+21	6,070356E+21	6,070520E+21	8,170993E+21	1,179497E+22
-634	1,590767E+22	1,940685E+22	2,141881E+22	2,141906E+22	1,940732E+22	1,590801E+22	1,179516E+22	8,171120E+21	6,070723E+21	6,070654E+21	8,170913E+21	1,179474E+22
-633	1,590735E+22	1,940686E+22	2,141924E+22	2,141938E+22	1,940744E+22	1,590803E+22	1,179515E+22	8,171213E+21	6,070993E+21	6,071074E+21	8,171475E+21	1,179555E+22
-632	1,590828E+22	1,940726E+22	2,141886E+22	2,141840E+22	1,940639E+22	1,590748E+22	1,179507E+22	8,171332E+21	6,071195E+21	6,071288E+21	8,171522E+21	1,179519E+22
-631	1,590750E+22	1,940628E+22	2,141825E+22	2,141856E+22	1,940685E+22	1,590789E+22	1,179553E+22	8,171848E+21	6,071577E+21	6,071400E+21	8,171367E+21	1,179499E+22
-630	1,590773E+22	1,940719E+22	2,141908E+22	2,141889E+22	1,940675E+22	1,590748E+22	1,179505E+22	8,171566E+21	6,071618E+21	6,071757E+21	8,171975E+21	1,179562E+22
-629	1,590796E+22	1,940687E+22	2,141844E+22	2,141800E+22	1,940617E+22	1,590743E+22	1,179525E+22	8,171761E+21	6,071715E+21	6,071697E+21	8,171672E+21	1,179497E+22
-628	1,590695E+22	1,940587E+22	2,141836E+22	2,141887E+22	1,940710E+22	1,590805E+22	1,179562E+22	8,171964E+21	6,071771E+21	6,071657E+21	8,171657E+21	1,179525E+22
-627	1,590782E+22	1,940693E+22	2,141880E+22	2,141886E+22	1,940678E+22	1,590751E+22	1,179502E+22	8,171457E+21	6,071481E+21	6,071647E+21	8,171895E+21	1,179550E+22
-626	1,590772E+22	1,940643E+22	2,141794E+22	2,141798E+22	1,940658E+22	1,590785E+22	1,179544E+22	8,171667E+21	6,071371E+21	6,071243E+21	8,171305E+21	1,179488E+22
-625	1,590722E+22	1,940645E+22	2,141876E+22	2,141890E+22	1,940704E+22	1,590798E+22	1,179540E+22	8,171547E+21	6,071249E+21	6,071168E+21	8,171369E+21	1,179534E+22

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	1,590821E+22	1,940741E+22	2,141919E+22	2,141879E+22	1,940647E+22	1,590733E+22	1,179489E+22	8,171131E+21	6,070949E+21	6,071024E+21	8,171287E+21	1,179499E+22
-623	1,590745E+22	1,940652E+22	2,141862E+22	2,141902E+22	1,940719E+22	1,590788E+22	1,179517E+22	8,171241E+21	6,070839E+21	6,070685E+21	8,170834E+21	1,179465E+22
-622	1,590753E+22	1,940732E+22	2,141963E+22	2,141964E+22	1,940747E+22	1,590781E+22	1,179474E+22	8,170733E+21	6,070521E+21	6,070672E+21	8,171208E+21	1,179541E+22
-621	1,590826E+22	1,940750E+22	2,141936E+22	2,141894E+22	1,940678E+22	1,590758E+22	1,179477E+22	8,170690E+21	6,070355E+21	6,070399E+21	8,170779E+21	1,179476E+22
-620	1,590743E+22	1,940659E+22	2,141905E+22	2,141956E+22	1,940762E+22	1,590821E+22	1,179526E+22	8,171040E+21	6,070483E+21	6,070320E+21	8,170586E+21	1,179472E+22
-619	1,590803E+22	1,940780E+22	2,141991E+22	2,141983E+22	1,940742E+22	1,590768E+22	1,179469E+22	8,170678E+21	6,070425E+21	6,070551E+21	8,171021E+21	1,179510E+22
-618	1,590796E+22	1,940730E+22	2,141910E+22	2,141883E+22	1,940692E+22	1,590779E+22	1,179506E+22	8,171041E+21	6,070644E+21	6,070575E+21	8,170810E+21	1,179457E+22
-617	1,590706E+22	1,940645E+22	2,141908E+22	2,141944E+22	1,940742E+22	1,590810E+22	1,179533E+22	8,171369E+21	6,071027E+21	6,070958E+21	8,171187E+21	1,179513E+22
-616	1,590798E+22	1,940724E+22	2,141920E+22	2,141901E+22	1,940673E+22	1,590745E+22	1,179489E+22	8,171180E+21	6,071134E+21	6,071326E+21	8,171648E+21	1,179530E+22
-615	1,590751E+22	1,940619E+22	2,141791E+22	2,141822E+22	1,940672E+22	1,590782E+22	1,179541E+22	8,171734E+21	6,071524E+21	6,071435E+21	8,171466E+21	1,179497E+22
-614	1,590737E+22	1,940657E+22	2,141847E+22	2,141845E+22	1,940670E+22	1,590772E+22	1,179529E+22	8,171750E+21	6,071752E+21	6,071832E+21	8,172019E+21	1,179575E+22
-613	1,590820E+22	1,940702E+22	2,141841E+22	2,141774E+22	1,940570E+22	1,590710E+22	1,179517E+22	8,171881E+21	6,071985E+21	6,072048E+21	8,172022E+21	1,179528E+22
-612	1,590719E+22	1,940574E+22	2,141764E+22	2,141802E+22	1,940640E+22	1,590770E+22	1,179574E+22	8,172434E+21	6,072368E+21	6,072192E+21	8,171942E+21	1,179511E+22
-611	1,590735E+22	1,940650E+22	2,141846E+22	2,141851E+22	1,940649E+22	1,590738E+22	1,179522E+22	8,172070E+21	6,072329E+21	6,072475E+21	8,172511E+21	1,179580E+22
-610	1,590766E+22	1,940618E+22	2,141766E+22	2,141747E+22	1,940590E+22	1,590743E+22	1,179550E+22	8,172227E+21	6,072323E+21	6,072341E+21	8,172224E+21	1,179527E+22
-609	1,590683E+22	1,940524E+22	2,141730E+22	2,141789E+22	1,940651E+22	1,590793E+22	1,179589E+22	8,172496E+21	6,072427E+21	6,072297E+21	8,172143E+21	1,179547E+22
-608	1,590776E+22	1,940661E+22	2,141811E+22	2,141792E+22	1,940608E+22	1,590734E+22	1,179529E+22	8,171996E+21	6,072141E+21	6,072263E+21	8,172315E+21	1,179561E+22
-607	1,590751E+22	1,940603E+22	2,141744E+22	2,141743E+22	1,940605E+22	1,590758E+22	1,179559E+22	8,172175E+21	6,072059E+21	6,071900E+21	8,171716E+21	1,179494E+22
-606	1,590707E+22	1,940616E+22	2,141825E+22	2,141835E+22	1,940652E+22	1,590763E+22	1,179539E+22	8,171908E+21	6,071854E+21	6,071824E+21	8,171882E+21	1,179552E+22
-605	1,590803E+22	1,940702E+22	2,141872E+22	2,141836E+22	1,940611E+22	1,590709E+22	1,179489E+22	8,171467E+21	6,071515E+21	6,071624E+21	8,171769E+21	1,179521E+22
-604	1,590728E+22	1,940598E+22	2,141790E+22	2,141846E+22	1,940689E+22	1,590786E+22	1,179539E+22	8,171654E+21	6,071385E+21	6,071256E+21	8,171306E+21	1,179489E+22
-603	1,590742E+22	1,940684E+22	2,141902E+22	2,141916E+22	1,940713E+22	1,590774E+22	1,179498E+22	8,171196E+21	6,071081E+21	6,071191E+21	8,171563E+21	1,179554E+22
-602	1,590815E+22	1,940717E+22	2,141884E+22	2,141844E+22	1,940643E+22	1,590752E+22	1,179504E+22	8,171200E+21	6,070963E+21	6,070988E+21	8,171208E+21	1,179489E+22
-601	1,590724E+22	1,940615E+22	2,141829E+22	2,141873E+22	1,940697E+22	1,590799E+22	1,179551E+22	8,171651E+21	6,071262E+21	6,071071E+21	8,171103E+21	1,179481E+22
-600	1,590769E+22	1,940728E+22	2,141925E+22	2,141909E+22	1,940684E+22	1,590749E+22	1,179493E+22	8,171288E+21	6,071247E+21	6,071375E+21	8,171630E+21	1,179527E+22
-599	1,590757E+22	1,940654E+22	2,141826E+22	2,141820E+22	1,940650E+22	1,590761E+22	1,179523E+22	8,171610E+21	6,071473E+21	6,071433E+21	8,171457E+21	1,179486E+22
-598	1,590696E+22	1,940590E+22	2,141809E+22	2,141844E+22	1,940672E+22	1,590781E+22	1,179544E+22	8,171850E+21	6,071762E+21	6,071754E+21	8,171853E+21	1,179551E+22
-597	1,590799E+22	1,940685E+22	2,141843E+22	2,141812E+22	1,940600E+22	1,590710E+22	1,179501E+22	8,171718E+21	6,071878E+21	6,072047E+21	8,172183E+21	1,179555E+22
-596	1,590745E+22	1,940581E+22	2,141720E+22	2,141741E+22	1,940606E+22	1,590757E+22	1,179565E+22	8,172337E+21	6,072300E+21	6,072178E+21	8,171975E+21	1,179511E+22
-595	1,590714E+22	1,940615E+22	2,141806E+22	2,141803E+22	1,940620E+22	1,590745E+22	1,179547E+22	8,172329E+21	6,072527E+21	6,072568E+21	8,172491E+21	1,179580E+22
-594	1,590784E+22	1,940648E+22	2,141793E+22	2,141744E+22	1,940547E+22	1,590700E+22	1,179536E+22	8,172404E+21	6,072711E+21	6,072812E+21	8,172614E+21	1,179544E+22
-593	1,590682E+22	1,940498E+22	2,141668E+22	2,141726E+22	1,940601E+22	1,590766E+22	1,179601E+22	8,173000E+21	6,073133E+21	6,072981E+21	8,172560E+21	1,179535E+22
-592	1,590708E+22	1,940585E+22	2,141757E+22	2,141764E+22	1,940602E+22	1,590740E+22	1,179557E+22	8,172649E+21	6,073047E+21	6,073184E+21	8,173054E+21	1,179603E+22
-591	1,590747E+22	1,940554E+22	2,141676E+22	2,141669E+22	1,940542E+22	1,590732E+22	1,179578E+22	8,172813E+21	6,073046E+21	6,073018E+21	8,172680E+21	1,179546E+22
-590	1,590684E+22	1,940496E+22	2,141651E+22	2,141693E+22	1,940577E+22	1,590760E+22	1,179601E+22	8,172968E+21	6,073084E+21	6,072954E+21	8,172629E+21	1,179568E+22
-589	1,590769E+22	1,940639E+22	2,141770E+22	2,141730E+22	1,940539E+22	1,590689E+22	1,179532E+22	8,172444E+21	6,072788E+21	6,072894E+21	8,172768E+21	1,179575E+22

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	1,590729E+22	1,940558E+22	2,141692E+22	2,141697E+22	1,940563E+22	1,590733E+22	1,179567E+22	8,172588E+21	6,072673E+21	6,072549E+21	8,172235E+21	1,179514E+22
-587	1,590683E+22	1,940567E+22	2,141781E+22	2,141805E+22	1,940627E+22	1,590748E+22	1,179544E+22	8,172240E+21	6,072380E+21	6,072384E+21	8,172331E+21	1,179574E+22
-586	1,590791E+22	1,940659E+22	2,141815E+22	2,141792E+22	1,940589E+22	1,590707E+22	1,179506E+22	8,171809E+21	6,071979E+21	6,072133E+21	8,172200E+21	1,179543E+22
-585	1,590721E+22	1,940554E+22	2,141706E+22	2,141761E+22	1,940637E+22	1,590777E+22	1,179567E+22	8,172166E+21	6,071993E+21	6,071820E+21	8,171691E+21	1,179501E+22
-584	1,590728E+22	1,940654E+22	2,141846E+22	2,141839E+22	1,940657E+22	1,590763E+22	1,179528E+22	8,171780E+21	6,071779E+21	6,071811E+21	8,171924E+21	1,179553E+22
-583	1,590779E+22	1,940663E+22	2,141827E+22	2,141792E+22	1,940598E+22	1,590731E+22	1,179526E+22	8,171809E+21	6,071757E+21	6,071732E+21	8,171656E+21	1,179493E+22
-582	1,590697E+22	1,940564E+22	2,141754E+22	2,141800E+22	1,940642E+22	1,590769E+22	1,179560E+22	8,172148E+21	6,072022E+21	6,071880E+21	8,171744E+21	1,179506E+22
-581	1,590742E+22	1,940668E+22	2,141850E+22	2,141838E+22	1,940630E+22	1,590719E+22	1,179502E+22	8,171784E+21	6,071987E+21	6,072144E+21	8,172258E+21	1,179558E+22
-580	1,590738E+22	1,940588E+22	2,141735E+22	2,141738E+22	1,940597E+22	1,590745E+22	1,179546E+22	8,172153E+21	6,072207E+21	6,072196E+21	8,172082E+21	1,179519E+22
-579	1,590686E+22	1,940543E+22	2,141742E+22	2,141775E+22	1,940617E+22	1,590757E+22	1,179562E+22	8,172391E+21	6,072484E+21	6,072451E+21	8,172352E+21	1,179573E+22
-578	1,590791E+22	1,940652E+22	2,141786E+22	2,141750E+22	1,940552E+22	1,590693E+22	1,179524E+22	8,172270E+21	6,072608E+21	6,072783E+21	8,172720E+21	1,179571E+22
-577	1,590724E+22	1,940535E+22	2,141649E+22	2,141664E+22	1,940545E+22	1,590735E+22	1,179591E+22	8,172994E+21	6,073157E+21	6,073017E+21	8,172567E+21	1,179525E+22
-576	1,590679E+22	1,940556E+22	2,141739E+22	2,141738E+22	1,940578E+22	1,590734E+22	1,179573E+22	8,172966E+21	6,073380E+21	6,073413E+21	8,173104E+21	1,179597E+22
-575	1,590744E+22	1,940566E+22	2,141705E+22	2,141683E+22	1,940519E+22	1,590696E+22	1,179563E+22	8,173003E+21	6,073529E+21	6,073635E+21	8,173217E+21	1,179571E+22
-574	1,590672E+22	1,940441E+22	2,141564E+22	2,141621E+22	1,940537E+22	1,590747E+22	1,179621E+22	8,173504E+21	6,073837E+21	6,073723E+21	8,173169E+21	1,179569E+22
-573	1,590703E+22	1,940542E+22	2,141679E+22	2,141672E+22	1,940529E+22	1,590707E+22	1,179574E+22	8,173185E+21	6,073730E+21	6,073823E+21	8,173508E+21	1,179623E+22
-572	1,590738E+22	1,940518E+22	2,141612E+22	2,141591E+22	1,940478E+22	1,590704E+22	1,179595E+22	8,173337E+21	6,073729E+21	6,073672E+21	8,173130E+21	1,179559E+22
-571	1,590665E+22	1,940461E+22	2,141619E+22	2,141652E+22	1,940525E+22	1,590725E+22	1,179606E+22	8,173395E+21	6,073702E+21	6,073555E+21	8,173033E+21	1,179577E+22
-570	1,590746E+22	1,940598E+22	2,141732E+22	2,141704E+22	1,940521E+22	1,590676E+22	1,179539E+22	8,172785E+21	6,073319E+21	6,073488E+21	8,173257E+21	1,179593E+22
-569	1,590707E+22	1,940505E+22	2,141622E+22	2,141634E+22	1,940529E+22	1,590725E+22	1,179584E+22	8,172992E+21	6,073235E+21	6,073137E+21	8,172703E+21	1,179535E+22
-568	1,590666E+22	1,940519E+22	2,141714E+22	2,141738E+22	1,940593E+22	1,590751E+22	1,179572E+22	8,172704E+21	6,072946E+21	6,072919E+21	8,172702E+21	1,179587E+22
-567	1,590773E+22	1,940608E+22	2,141747E+22	2,141736E+22	1,940560E+22	1,590704E+22	1,179534E+22	8,172338E+21	6,072620E+21	6,072705E+21	8,172524E+21	1,179551E+22
-566	1,590715E+22	1,940527E+22	2,141639E+22	2,141673E+22	1,940572E+22	1,590751E+22	1,179583E+22	8,172665E+21	6,072669E+21	6,072485E+21	8,172149E+21	1,179513E+22
-565	1,590703E+22	1,940612E+22	2,141797E+22	2,141778E+22	1,940596E+22	1,590725E+22	1,179539E+22	8,172327E+21	6,072518E+21	6,072524E+21	8,172421E+21	1,179564E+22
-564	1,590744E+22	1,940598E+22	2,141756E+22	2,141733E+22	1,940556E+22	1,590708E+22	1,179538E+22	8,172326E+21	6,072514E+21	6,072530E+21	8,172300E+21	1,179521E+22
-563	1,590668E+22	1,940497E+22	2,141684E+22	2,141739E+22	1,940597E+22	1,590746E+22	1,179569E+22	8,172586E+21	6,072696E+21	6,072604E+21	8,172347E+21	1,179541E+22
-562	1,590737E+22	1,940616E+22	2,141773E+22	2,141766E+22	1,940585E+22	1,590707E+22	1,179521E+22	8,172226E+21	6,072612E+21	6,072835E+21	8,172848E+21	1,179591E+22
-561	1,590737E+22	1,940545E+22	2,141647E+22	2,141637E+22	1,940527E+22	1,590723E+22	1,179571E+22	8,172745E+21	6,072962E+21	6,072927E+21	8,172604E+21	1,179540E+22
-560	1,590676E+22	1,940512E+22	2,141684E+22	2,141696E+22	1,940558E+22	1,590740E+22	1,179588E+22	8,173030E+21	6,073305E+21	6,073214E+21	8,172825E+21	1,179579E+22
-559	1,590759E+22	1,940597E+22	2,141729E+22	2,141701E+22	1,940516E+22	1,590676E+22	1,179548E+22	8,172929E+21	6,073489E+21	6,073620E+21	8,173239E+21	1,179580E+22
-558	1,590698E+22	1,940478E+22	2,141570E+22	2,141588E+22	1,940497E+22	1,590714E+22	1,179608E+22	8,173560E+21	6,073985E+21	6,073884E+21	8,173244E+21	1,179552E+22
-557	1,590651E+22	1,940487E+22	2,141658E+22	2,141665E+22	1,940528E+22	1,590714E+22	1,179596E+22	8,173552E+21	6,074156E+21	6,074187E+21	8,173701E+21	1,179624E+22
-556	1,590723E+22	1,940495E+22	2,141608E+22	2,141597E+22	1,940468E+22	1,590686E+22	1,179593E+22	8,173601E+21	6,074277E+21	6,074381E+21	8,173801E+21	1,179599E+22
-555	1,590660E+22	1,940394E+22	2,141499E+22	2,141544E+22	1,940476E+22	1,590723E+22	1,179639E+22	8,174026E+21	6,074516E+21	6,074371E+21	8,173629E+21	1,179589E+22
-554	1,590698E+22	1,940512E+22	2,141628E+22	2,141604E+22	1,940473E+22	1,590683E+22	1,179589E+22	8,173641E+21	6,074363E+21	6,074475E+21	8,173976E+21	1,179635E+22
-553	1,590718E+22	1,940475E+22	2,141553E+22	2,141522E+22	1,940418E+22	1,590673E+22	1,179608E+22	8,173847E+21	6,074434E+21	6,074377E+21	8,173638E+21	1,179574E+22

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	1,590640E+22	1,940414E+22	2,141567E+22	2,141604E+22	1,940495E+22	1,590710E+22	1,179614E+22	8,173829E+21	6,074355E+21	6,074218E+21	8,173519E+21	1,179593E+22
-551	1,590719E+22	1,940533E+22	2,141662E+22	2,141657E+22	1,940503E+22	1,590674E+22	1,179556E+22	8,173216E+21	6,073930E+21	6,074097E+21	8,173686E+21	1,179614E+22
-550	1,590706E+22	1,940464E+22	2,141544E+22	2,141550E+22	1,940478E+22	1,590711E+22	1,179600E+22	8,173393E+21	6,073785E+21	6,073708E+21	8,173153E+21	1,179559E+22
-549	1,590662E+22	1,940485E+22	2,141658E+22	2,141667E+22	1,940534E+22	1,590724E+22	1,179590E+22	8,173199E+21	6,073541E+21	6,073451E+21	8,173027E+21	1,179592E+22
-548	1,590752E+22	1,940567E+22	2,141693E+22	2,141673E+22	1,940511E+22	1,590686E+22	1,179554E+22	8,172858E+21	6,073292E+21	6,073349E+21	8,172944E+21	1,179556E+22
-547	1,590682E+22	1,940481E+22	2,141604E+22	2,141629E+22	1,940526E+22	1,590723E+22	1,179590E+22	8,173112E+21	6,073327E+21	6,073154E+21	8,172628E+21	1,179525E+22
-546	1,590676E+22	1,940552E+22	2,141735E+22	2,141730E+22	1,940569E+22	1,590714E+22	1,179550E+22	8,172718E+21	6,073141E+21	6,073235E+21	8,173014E+21	1,179589E+22
-545	1,590722E+22	1,940531E+22	2,141665E+22	2,141648E+22	1,940506E+22	1,590697E+22	1,179560E+22	8,172834E+21	6,073211E+21	6,073266E+21	8,172913E+21	1,179555E+22
-544	1,590662E+22	1,940446E+22	2,141603E+22	2,141656E+22	1,940548E+22	1,590735E+22	1,179593E+22	8,173136E+21	6,073410E+21	6,073298E+21	8,172854E+21	1,179565E+22
-543	1,590729E+22	1,940569E+22	2,141700E+22	2,141692E+22	1,940538E+22	1,590695E+22	1,179549E+22	8,172850E+21	6,073398E+21	6,073558E+21	8,173301E+21	1,179608E+22
-542	1,590737E+22	1,940518E+22	2,141585E+22	2,141547E+22	1,940452E+22	1,590691E+22	1,179588E+22	8,173329E+21	6,073772E+21	6,073737E+21	8,173179E+21	1,179557E+22
-541	1,590653E+22	1,940467E+22	2,141634E+22	2,141636E+22	1,940498E+22	1,590704E+22	1,179605E+22	8,173664E+21	6,074154E+21	6,074041E+21	8,173396E+21	1,179591E+22
-540	1,590721E+22	1,940526E+22	2,141653E+22	2,141641E+22	1,940482E+22	1,590665E+22	1,179569E+22	8,173529E+21	6,074340E+21	6,074504E+21	8,173923E+21	1,179606E+22
-539	1,590666E+22	1,940407E+22	2,141494E+22	2,141515E+22	1,940449E+22	1,590700E+22	1,179627E+22	8,174081E+21	6,074728E+21	6,074655E+21	8,173855E+21	1,179583E+22
-538	1,590640E+22	1,940424E+22	2,141570E+22	2,141583E+22	1,940479E+22	1,590705E+22	1,179621E+22	8,174060E+21	6,074836E+21	6,074902E+21	8,174260E+21	1,179648E+22
-537	1,590713E+22	1,940446E+22	2,141521E+22	2,141494E+22	1,940392E+22	1,590660E+22	1,179618E+22	8,174211E+21	6,075038E+21	6,075099E+21	8,174302E+21	1,179617E+22
-536	1,590645E+22	1,940356E+22	2,141439E+22	2,141468E+22	1,940414E+22	1,590696E+22	1,179655E+22	8,174587E+21	6,075266E+21	6,075073E+21	8,174070E+21	1,179595E+22
-535	1,590668E+22	1,940459E+22	2,141574E+22	2,141560E+22	1,940439E+22	1,590665E+22	1,179604E+22	8,174157E+21	6,075091E+21	6,075181E+21	8,174439E+21	1,179648E+22
-534	1,590702E+22	1,940428E+22	2,141488E+22	2,141456E+22	1,940373E+22	1,590652E+22	1,179614E+22	8,174227E+21	6,075057E+21	6,075065E+21	8,174203E+21	1,179599E+22
-533	1,590623E+22	1,940363E+22	2,141508E+22	2,141548E+22	1,940453E+22	1,590693E+22	1,179630E+22	8,174250E+21	6,074915E+21	6,074785E+21	8,173953E+21	1,179612E+22
-532	1,590705E+22	1,940481E+22	2,141589E+22	2,141594E+22	1,940470E+22	1,590671E+22	1,179580E+22	8,173673E+21	6,074506E+21	6,074662E+21	8,174099E+21	1,179630E+22
-531	1,590692E+22	1,940429E+22	2,141499E+22	2,141489E+22	1,940430E+22	1,590694E+22	1,179616E+22	8,173822E+21	6,074342E+21	6,074232E+21	8,173502E+21	1,179569E+22
-530	1,590650E+22	1,940449E+22	2,141612E+22	2,141613E+22	1,940491E+22	1,590710E+22	1,179607E+22	8,173622E+21	6,074127E+21	6,074064E+21	8,173454E+21	1,179596E+22
-529	1,590720E+22	1,940512E+22	2,141630E+22	2,141608E+22	1,940456E+22	1,590662E+22	1,179571E+22	8,173382E+21	6,074001E+21	6,074069E+21	8,173492E+21	1,179573E+22
-528	1,590655E+22	1,940421E+22	2,141533E+22	2,141568E+22	1,940491E+22	1,590710E+22	1,179602E+22	8,173579E+21	6,074024E+21	6,073879E+21	8,173193E+21	1,179550E+22
-527	1,590658E+22	1,940487E+22	2,141650E+22	2,141659E+22	1,940532E+22	1,590709E+22	1,179572E+22	8,173216E+21	6,073830E+21	6,073930E+21	8,173538E+21	1,179620E+22
-526	1,590732E+22	1,940492E+22	2,141580E+22	2,141547E+22	1,940434E+22	1,590670E+22	1,179576E+22	8,173320E+21	6,073892E+21	6,073968E+21	8,173471E+21	1,179585E+22
-525	1,590665E+22	1,940419E+22	2,141549E+22	2,141579E+22	1,940474E+22	1,590699E+22	1,179610E+22	8,173714E+21	6,074142E+21	6,073977E+21	8,173290E+21	1,179575E+22
-524	1,590710E+22	1,940527E+22	2,141645E+22	2,141630E+22	1,940486E+22	1,590673E+22	1,179570E+22	8,173464E+21	6,074219E+21	6,074354E+21	8,173827E+21	1,179614E+22
-523	1,590699E+22	1,940467E+22	2,141547E+22	2,141504E+22	1,940409E+22	1,590667E+22	1,179602E+22	8,173875E+21	6,074561E+21	6,074540E+21	8,173761E+21	1,179572E+22
-522	1,590621E+22	1,940397E+22	2,141562E+22	2,141582E+22	1,940469E+22	1,590700E+22	1,179626E+22	8,174163E+21	6,074903E+21	6,074865E+21	8,174038E+21	1,179609E+22
-521	1,590686E+22	1,940444E+22	2,141550E+22	2,141548E+22	1,940428E+22	1,590659E+22	1,179603E+22	8,174164E+21	6,075152E+21	6,075324E+21	8,174567E+21	1,179636E+22
-520	1,590650E+22	1,940342E+22	2,141398E+22	2,141425E+22	1,940397E+22	1,590690E+22	1,179655E+22	8,174711E+21	6,075527E+21	6,075418E+21	8,174396E+21	1,179605E+22
-519	1,590628E+22	1,940369E+22	2,141481E+22	2,141495E+22	1,940422E+22	1,590690E+22	1,179649E+22	8,174703E+21	6,075649E+21	6,075648E+21	8,174740E+21	1,179666E+22
-518	1,590709E+22	1,940411E+22	2,141450E+22	2,141400E+22	1,940310E+22	1,590621E+22	1,179630E+22	8,174753E+21	6,075811E+21	6,075889E+21	8,174897E+21	1,179639E+22
-517	1,590629E+22	1,940314E+22	2,141392E+22	2,141414E+22	1,940352E+22	1,590653E+22	1,179661E+22	8,175086E+21	6,075977E+21	6,075798E+21	8,174612E+21	1,179612E+22

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	1,590642E+22	1,940399E+22	2,141507E+22	2,141508E+22	1,940408E+22	1,590653E+22	1,179615E+22	8,174586E+21	6,075747E+21	6,075889E+21	8,175016E+21	1,179673E+22
-515	1,590682E+22	1,940381E+22	2,141436E+22	2,141402E+22	1,940334E+22	1,590640E+22	1,179625E+22	8,174570E+21	6,075572E+21	6,075619E+21	8,174655E+21	1,179625E+22
-514	1,590622E+22	1,940325E+22	2,141445E+22	2,141487E+22	1,940416E+22	1,590689E+22	1,179650E+22	8,174612E+21	6,075406E+21	6,075299E+21	8,174312E+21	1,179619E+22
-513	1,590690E+22	1,940443E+22	2,141525E+22	2,141517E+22	1,940414E+22	1,590659E+22	1,179607E+22	8,174200E+21	6,075130E+21	6,075225E+21	8,174449E+21	1,179634E+22
-512	1,590670E+22	1,940390E+22	2,141449E+22	2,141437E+22	1,940387E+22	1,590678E+22	1,179634E+22	8,174335E+21	6,075012E+21	6,074853E+21	8,173878E+21	1,179570E+22
-511	1,590616E+22	1,940389E+22	2,141548E+22	2,141569E+22	1,940463E+22	1,590700E+22	1,179627E+22	8,174138E+21	6,074824E+21	6,074739E+21	8,173928E+21	1,179611E+22
-510	1,590702E+22	1,940456E+22	2,141552E+22	2,141531E+22	1,940402E+22	1,590641E+22	1,179582E+22	8,173808E+21	6,074653E+21	6,074790E+21	8,174120E+21	1,179607E+22
-509	1,590646E+22	1,940370E+22	2,141464E+22	2,141499E+22	1,940431E+22	1,590684E+22	1,179619E+22	8,174050E+21	6,074648E+21	6,074523E+21	8,173712E+21	1,179577E+22
-508	1,590653E+22	1,940443E+22	2,141576E+22	2,141586E+22	1,940482E+22	1,590694E+22	1,179594E+22	8,173734E+21	6,074515E+21	6,074614E+21	8,174050E+21	1,179641E+22
-507	1,590723E+22	1,940469E+22	2,141538E+22	2,141479E+22	1,940372E+22	1,590643E+22	1,179588E+22	8,173797E+21	6,074563E+21	6,074630E+21	8,173926E+21	1,179599E+22
-506	1,590652E+22	1,940384E+22	2,141504E+22	2,141527E+22	1,940427E+22	1,590680E+22	1,179627E+22	8,174211E+21	6,074871E+21	6,074738E+21	8,173807E+21	1,179578E+22
-505	1,590670E+22	1,940463E+22	2,141576E+22	2,141569E+22	1,940439E+22	1,590655E+22	1,179593E+22	8,174090E+21	6,075068E+21	6,075205E+21	8,174459E+21	1,179633E+22
-504	1,590663E+22	1,940387E+22	2,141456E+22	2,141440E+22	1,940377E+22	1,590661E+22	1,179625E+22	8,174471E+21	6,075396E+21	6,075389E+21	8,174405E+21	1,179598E+22
-503	1,590596E+22	1,940315E+22	2,141452E+22	2,141496E+22	1,940427E+22	1,590702E+22	1,179662E+22	8,174804E+21	6,075716E+21	6,075662E+21	8,174645E+21	1,179642E+22
-502	1,590683E+22	1,940389E+22	2,141446E+22	2,141430E+22	1,940342E+22	1,590631E+22	1,179626E+22	8,174768E+21	6,075948E+21	6,075822E+21	8,175195E+21	1,179667E+22
-501	1,590647E+22	1,940306E+22	2,141331E+22	2,141334E+22	1,940307E+22	1,590646E+22	1,179673E+22	8,175323E+21	6,076311E+21	6,076165E+21	8,174900E+21	1,179619E+22
-500	1,590610E+22	1,940327E+22	2,141421E+22	2,141426E+22	1,940360E+22	1,590659E+22	1,179663E+22	8,175264E+21	6,076445E+21	6,076447E+21	8,175302E+21	1,179677E+22
-499	1,590679E+22	1,940369E+22	2,141411E+22	2,141355E+22	1,940264E+22	1,590591E+22	1,179632E+22	8,175164E+21	6,076474E+21	6,076593E+21	8,175445E+21	1,179660E+22
-498	1,590611E+22	1,940265E+22	2,141334E+22	2,141371E+22	1,940328E+22	1,590647E+22	1,179673E+22	8,175429E+21	6,076547E+21	6,076446E+21	8,175126E+21	1,179630E+22
-497	1,590619E+22	1,940340E+22	2,141431E+22	2,141440E+22	1,940368E+22	1,590651E+22	1,179645E+22	8,175088E+21	6,076355E+21	6,076484E+21	8,175473E+21	1,179694E+22
-496	1,590670E+22	1,940333E+22	2,141365E+22	2,141344E+22	1,940303E+22	1,590638E+22	1,179653E+22	8,175082E+21	6,076184E+21	6,076170E+21	8,175002E+21	1,179633E+22
-495	1,590607E+22	1,940284E+22	2,141378E+22	2,141422E+22	1,940376E+22	1,590686E+22	1,179681E+22	8,175172E+21	6,076067E+21	6,075878E+21	8,174656E+21	1,179623E+22
-494	1,590670E+22	1,940404E+22	2,141464E+22	2,141442E+22	1,940346E+22	1,590627E+22	1,179621E+22	8,174705E+21	6,075820E+21	6,075921E+21	8,174964E+21	1,179648E+22
-493	1,590644E+22	1,940342E+22	2,141397E+22	2,141387E+22	1,940331E+22	1,590641E+22	1,179642E+22	8,174808E+21	6,075683E+21	6,075547E+21	8,174421E+21	1,179590E+22
-492	1,590592E+22	1,940327E+22	2,141466E+22	2,141504E+22	1,940423E+22	1,590685E+22	1,179639E+22	8,174566E+21	6,075483E+21	6,075458E+21	8,174533E+21	1,179641E+22
-491	1,590689E+22	1,940414E+22	2,141490E+22	2,141462E+22	1,940349E+22	1,590619E+22	1,179591E+22	8,174173E+21	6,075204E+21	6,075389E+21	8,174637E+21	1,179641E+22
-490	1,590654E+22	1,940343E+22	2,141405E+22	2,141432E+22	1,940379E+22	1,590664E+22	1,179630E+22	8,174425E+21	6,075211E+21	6,075118E+21	8,174134E+21	1,179588E+22
-489	1,590638E+22	1,940408E+22	2,141516E+22	2,141512E+22	1,940419E+22	1,590672E+22	1,179617E+22	8,174302E+21	6,075233E+21	6,075285E+21	8,174487E+21	1,179648E+22
-488	1,590696E+22	1,940422E+22	2,141485E+22	2,141438E+22	1,940338E+22	1,590627E+22	1,179607E+22	8,174365E+21	6,075339E+21	6,075374E+21	8,174400E+21	1,179602E+22
-487	1,590614E+22	1,940317E+22	2,141428E+22	2,141476E+22	1,940402E+22	1,590679E+22	1,179656E+22	8,174832E+21	6,075692E+21	6,075536E+21	8,174383E+21	1,179595E+22
-486	1,590638E+22	1,940389E+22	2,141478E+22	2,141479E+22	1,940383E+22	1,590642E+22	1,179619E+22	8,174684E+21	6,075884E+21	6,076060E+21	8,175160E+21	1,179667E+22
-485	1,590646E+22	1,940322E+22	2,141364E+22	2,141352E+22	1,940307E+22	1,590637E+22	1,179655E+22	8,175113E+21	6,076193E+21	6,076180E+21	8,175018E+21	1,179628E+22
-484	1,590586E+22	1,940257E+22	2,141352E+22	2,141397E+22	1,940361E+22	1,590682E+22	1,179690E+22	8,175452E+21	6,076549E+21	6,076480E+21	8,175254E+21	1,179665E+22
-483	1,590670E+22	1,940358E+22	2,141389E+22	2,141345E+22	1,940263E+22	1,590594E+22	1,179639E+22	8,175306E+21	6,076702E+21	6,076879E+21	8,175752E+21	1,179689E+22
-482	1,590636E+22	1,940274E+22	2,141283E+22	2,141276E+22	1,940248E+22	1,590613E+22	1,179680E+22	8,175780E+21	6,077039E+21	6,076944E+21	8,175455E+21	1,179630E+22
-481	1,590577E+22	1,940271E+22	2,141358E+22	2,141369E+22	1,940313E+22	1,590636E+22	1,179678E+22	8,175798E+21	6,077204E+21	6,077225E+21	8,175906E+21	1,179701E+22

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	1,590655E+22	1,940306E+22	2,141336E+22	2,141308E+22	1,940245E+22	1,590587E+22	1,179649E+22	8,175630E+21	6,077147E+21	6,077277E+21	8,175956E+21	1,179682E+22
-479	1,590595E+22	1,940208E+22	2,141250E+22	2,141307E+22	1,940301E+22	1,590655E+22	1,179706E+22	8,175964E+21	6,077183E+21	6,077034E+21	8,175552E+21	1,179651E+22
-478	1,590612E+22	1,940299E+22	2,141352E+22	2,141350E+22	1,940302E+22	1,590632E+22	1,179670E+22	8,175623E+21	6,077005E+21	6,077093E+21	8,175901E+21	1,179709E+22
-477	1,590657E+22	1,940298E+22	2,141312E+22	2,141278E+22	1,940235E+22	1,590607E+22	1,179674E+22	8,175630E+21	6,076844E+21	6,076776E+21	8,175378E+21	1,179635E+22
-476	1,590579E+22	1,940237E+22	2,141317E+22	2,141367E+22	1,940331E+22	1,590664E+22	1,179696E+22	8,175673E+21	6,076762E+21	6,076582E+21	8,175164E+21	1,179632E+22
-475	1,590634E+22	1,940357E+22	2,141415E+22	2,141392E+22	1,940302E+22	1,590599E+22	1,179622E+22	8,175047E+21	6,076394E+21	6,076557E+21	8,175500E+21	1,179674E+22
-474	1,590629E+22	1,940294E+22	2,141332E+22	2,141333E+22	1,940296E+22	1,590627E+22	1,179647E+22	8,175097E+21	6,076204E+21	6,076161E+21	8,174928E+21	1,179613E+22
-473	1,590578E+22	1,940278E+22	2,141392E+22	2,141431E+22	1,940373E+22	1,590669E+22	1,179659E+22	8,175025E+21	6,076073E+21	6,076048E+21	8,175009E+21	1,179668E+22
-472	1,590686E+22	1,940375E+22	2,141420E+22	2,141402E+22	1,940313E+22	1,590606E+22	1,179610E+22	8,174656E+21	6,075828E+21	6,075964E+21	8,175006E+21	1,179652E+22
-471	1,590643E+22	1,940312E+22	2,141346E+22	2,141371E+22	1,940338E+22	1,590657E+22	1,179660E+22	8,175003E+21	6,075912E+21	6,075750E+21	8,174542E+21	1,179597E+22
-470	1,590614E+22	1,940364E+22	2,141456E+22	2,141442E+22	1,940355E+22	1,590642E+22	1,179637E+22	8,174887E+21	6,076020E+21	6,076069E+21	8,175059E+21	1,179663E+22
-469	1,590664E+22	1,940362E+22	2,141420E+22	2,141382E+22	1,940287E+22	1,590600E+22	1,179627E+22	8,174956E+21	6,076143E+21	6,076194E+21	8,175023E+21	1,179624E+22
-468	1,590583E+22	1,940243E+22	2,141327E+22	2,141393E+22	1,940358E+22	1,590671E+22	1,179682E+22	8,175423E+21	6,076517E+21	6,076405E+21	8,175079E+21	1,179625E+22
-467	1,590617E+22	1,940333E+22	2,141392E+22	2,141385E+22	1,940315E+22	1,590618E+22	1,179638E+22	8,175220E+21	6,076619E+21	6,076817E+21	8,175770E+21	1,179702E+22
-466	1,590647E+22	1,940284E+22	2,141288E+22	2,141265E+22	1,940239E+22	1,590608E+22	1,179670E+22	8,175642E+21	6,076948E+21	6,076942E+21	8,175543E+21	1,179643E+22
-465	1,590568E+22	1,940216E+22	2,141284E+22	2,141311E+22	1,940284E+22	1,590647E+22	1,179711E+22	8,176098E+21	6,077389E+21	6,077279E+21	8,175805E+21	1,179681E+22
-464	1,590644E+22	1,940306E+22	2,141329E+22	2,141299E+22	1,940225E+22	1,590569E+22	1,179653E+22	8,175878E+21	6,077510E+21	6,077669E+21	8,176289E+21	1,179702E+22
-463	1,590606E+22	1,940215E+22	2,141215E+22	2,141227E+22	1,940225E+22	1,590610E+22	1,179704E+22	8,176333E+21	6,077790E+21	6,077688E+21	8,176028E+21	1,179654E+22
-462	1,590553E+22	1,940207E+22	2,141275E+22	2,141292E+22	1,940264E+22	1,590624E+22	1,179702E+22	8,176327E+21	6,077920E+21	6,077964E+21	8,176502E+21	1,179732E+22
-461	1,590644E+22	1,940253E+22	2,141262E+22	2,141241E+22	1,940195E+22	1,590574E+22	1,179679E+22	8,176190E+21	6,077822E+21	6,077927E+21	8,176423E+21	1,179701E+22
-460	1,590584E+22	1,940162E+22	2,141167E+22	2,141224E+22	1,940252E+22	1,590645E+22	1,179734E+22	8,176531E+21	6,077893E+21	6,077709E+21	8,176009E+21	1,179660E+22
-459	1,590587E+22	1,940266E+22	2,141304E+22	2,141279E+22	1,940239E+22	1,590603E+22	1,179683E+22	8,176084E+21	6,077637E+21	6,077714E+21	8,176337E+21	1,179722E+22
-458	1,590637E+22	1,940261E+22	2,141267E+22	2,141230E+22	1,940187E+22	1,590574E+22	1,179675E+22	8,176007E+21	6,077461E+21	6,077440E+21	8,175854E+21	1,179645E+22
-457	1,590545E+22	1,940176E+22	2,141247E+22	2,141303E+22	1,940285E+22	1,590640E+22	1,179706E+22	8,176104E+21	6,077394E+21	6,077250E+21	8,175725E+21	1,179661E+22
-456	1,590618E+22	1,940296E+22	2,141336E+22	2,141338E+22	1,940278E+22	1,590591E+22	1,179634E+22	8,175419E+21	6,076949E+21	6,077139E+21	8,175966E+21	1,179702E+22
-455	1,590628E+22	1,940255E+22	2,141260E+22	2,141263E+22	1,940259E+22	1,590624E+22	1,179672E+22	8,175542E+21	6,076750E+21	6,076672E+21	8,175321E+21	1,179637E+22
-454	1,590579E+22	1,940250E+22	2,141329E+22	2,141347E+22	1,940304E+22	1,590642E+22	1,179676E+22	8,175523E+21	6,076708E+21	6,076641E+21	8,175408E+21	1,179682E+22
-453	1,590676E+22	1,940349E+22	2,141381E+22	2,141348E+22	1,940253E+22	1,590576E+22	1,179630E+22	8,175203E+21	6,076524E+21	6,076610E+21	8,175392E+21	1,179653E+22
-452	1,590611E+22	1,940262E+22	2,141287E+22	2,141320E+22	1,940302E+22	1,590640E+22	1,179680E+22	8,175577E+21	6,076703E+21	6,076541E+21	8,175094E+21	1,179604E+22
-451	1,590569E+22	1,940304E+22	2,141395E+22	2,141384E+22	1,940315E+22	1,590625E+22	1,179651E+22	8,175377E+21	6,076739E+21	6,076830E+21	8,175665E+21	1,179689E+22
-450	1,590640E+22	1,940298E+22	2,141340E+22	2,141313E+22	1,940245E+22	1,590589E+22	1,179645E+22	8,175444E+21	6,076868E+21	6,076974E+21	8,175625E+21	1,179649E+22
-449	1,590562E+22	1,940179E+22	2,141231E+22	2,141296E+22	1,940295E+22	1,590655E+22	1,179713E+22	8,176067E+21	6,077318E+21	6,077190E+21	8,175689E+21	1,179658E+22
-448	1,590609E+22	1,940278E+22	2,141304E+22	2,141304E+22	1,940263E+22	1,590599E+22	1,179662E+22	8,175838E+21	6,077428E+21	6,077581E+21	8,176283E+21	1,179720E+22
-447	1,590634E+22	1,940244E+22	2,141222E+22	2,141189E+22	1,940181E+22	1,590589E+22	1,179697E+22	8,176288E+21	6,077779E+21	6,077725E+21	8,176102E+21	1,179663E+22
-446	1,590545E+22	1,940166E+22	2,141219E+22	2,141238E+22	1,940215E+22	1,590606E+22	1,179722E+22	8,176698E+21	6,078248E+21	6,078152E+21	8,176472E+21	1,179707E+22
-445	1,590620E+22	1,940245E+22	2,141259E+22	2,141239E+22	1,940177E+22	1,590546E+22	1,179671E+22	8,176433E+21	6,078302E+21	6,078489E+21	8,176920E+21	1,179728E+22

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	1,590585E+22	1,940150E+22	2,141126E+22	2,141152E+22	1,940189E+22	1,590608E+22	1,179731E+22	8,176881E+21	6,078542E+21	6,078474E+21	8,176647E+21	1,179680E+22
-443	1,590538E+22	1,940163E+22	2,141203E+22	2,141208E+22	1,940204E+22	1,590605E+22	1,179721E+22	8,176804E+21	6,078550E+21	6,078590E+21	8,176967E+21	1,179754E+22
-442	1,590639E+22	1,940220E+22	2,141199E+22	2,141167E+22	1,940139E+22	1,590551E+22	1,179692E+22	8,176650E+21	6,078464E+21	6,078547E+21	8,176796E+21	1,179703E+22
-441	1,590556E+22	1,940119E+22	2,141110E+22	2,141152E+22	1,940193E+22	1,590619E+22	1,179752E+22	8,177067E+21	6,078587E+21	6,078369E+21	8,176453E+21	1,179669E+22
-440	1,590557E+22	1,940204E+22	2,141241E+22	2,141237E+22	1,940212E+22	1,590583E+22	1,179692E+22	8,176527E+21	6,078279E+21	6,078348E+21	8,176770E+21	1,179732E+22
-439	1,590610E+22	1,940204E+22	2,141201E+22	2,141178E+22	1,940163E+22	1,590572E+22	1,179694E+22	8,176435E+21	6,078045E+21	6,078030E+21	8,176351E+21	1,179673E+22
-438	1,590531E+22	1,940122E+22	2,141174E+22	2,141226E+22	1,940229E+22	1,590618E+22	1,179720E+22	8,176528E+21	6,077979E+21	6,077857E+21	8,176232E+21	1,179693E+22
-437	1,590619E+22	1,940257E+22	2,141274E+22	2,141269E+22	1,940223E+22	1,590572E+22	1,179656E+22	8,175891E+21	6,077532E+21	6,077697E+21	8,176358E+21	1,179719E+22
-436	1,590624E+22	1,940226E+22	2,141201E+22	2,141192E+22	1,940212E+22	1,590611E+22	1,179694E+22	8,176049E+21	6,077411E+21	6,077309E+21	8,175733E+21	1,179642E+22
-435	1,590558E+22	1,940227E+22	2,141295E+22	2,141287E+22	1,940247E+22	1,590612E+22	1,179687E+22	8,175979E+21	6,077354E+21	6,077281E+21	8,175833E+21	1,179690E+22
-434	1,590650E+22	1,940307E+22	2,141338E+22	2,141308E+22	1,940219E+22	1,590551E+22	1,179634E+22	8,175653E+21	6,077237E+21	6,077351E+21	8,175901E+21	1,179661E+22
-433	1,590570E+22	1,940190E+22	2,141209E+22	2,141253E+22	1,940264E+22	1,590628E+22	1,179700E+22	8,176131E+21	6,077479E+21	6,077347E+21	8,175744E+21	1,179635E+22
-432	1,590545E+22	1,940219E+22	2,141296E+22	2,141315E+22	1,940285E+22	1,590621E+22	1,179676E+22	8,175928E+21	6,077482E+21	6,077579E+21	8,176237E+21	1,179718E+22
-431	1,590632E+22	1,940243E+22	2,141249E+22	2,141222E+22	1,940193E+22	1,590582E+22	1,179679E+22	8,176074E+21	6,077625E+21	6,077693E+21	8,176190E+21	1,179680E+22
-430	1,590555E+22	1,940133E+22	2,141150E+22	2,141190E+22	1,940207E+22	1,590616E+22	1,179733E+22	8,176712E+21	6,078162E+21	6,078001E+21	8,176270E+21	1,179682E+22
-429	1,590598E+22	1,940239E+22	2,141248E+22	2,141228E+22	1,940189E+22	1,590563E+22	1,179682E+22	8,176465E+21	6,078279E+21	6,078417E+21	8,176848E+21	1,179734E+22
-428	1,590609E+22	1,940191E+22	2,141155E+22	2,141124E+22	1,940135E+22	1,590566E+22	1,179712E+22	8,176871E+21	6,078636E+21	6,078616E+21	8,176751E+21	1,179679E+22
-427	1,590514E+22	1,940112E+22	2,141154E+22	2,141171E+22	1,940170E+22	1,590587E+22	1,179733E+22	8,177165E+21	6,078970E+21	6,078924E+21	8,177089E+21	1,179737E+22
-426	1,590607E+22	1,940191E+22	2,141188E+22	2,141175E+22	1,940140E+22	1,590534E+22	1,179686E+22	8,176904E+21	6,078995E+21	6,079201E+21	8,177436E+21	1,179748E+22
-425	1,590565E+22	1,940092E+22	2,141042E+22	2,141066E+22	1,940136E+22	1,590597E+22	1,179761E+22	8,177483E+21	6,079268E+21	6,079161E+21	8,177145E+21	1,179702E+22
-424	1,590523E+22	1,940105E+22	2,141127E+22	2,141142E+22	1,940164E+22	1,590594E+22	1,179747E+22	8,177368E+21	6,079249E+21	6,079226E+21	8,177348E+21	1,179758E+22
-423	1,590616E+22	1,940179E+22	2,141144E+22	2,141103E+22	1,940091E+22	1,590538E+22	1,179718E+22	8,177211E+21	6,079154E+21	6,079195E+21	8,177260E+21	1,179715E+22
-422	1,590526E+22	1,940063E+22	2,141046E+22	2,141082E+22	1,940129E+22	1,590583E+22	1,179760E+22	8,177558E+21	6,079298E+21	6,079100E+21	8,177024E+21	1,179694E+22
-421	1,590539E+22	1,940146E+22	2,141171E+22	2,141172E+22	1,940165E+22	1,590565E+22	1,179705E+22	8,176944E+21	6,078907E+21	6,079017E+21	8,177301E+21	1,179758E+22
-420	1,590601E+22	1,940152E+22	2,141123E+22	2,141105E+22	1,940122E+22	1,590562E+22	1,179711E+22	8,176855E+21	6,078645E+21	6,078666E+21	8,176853E+21	1,179697E+22
-419	1,590530E+22	1,940098E+22	2,141121E+22	2,141154E+22	1,940170E+22	1,590591E+22	1,179728E+22	8,176895E+21	6,078497E+21	6,078375E+21	8,176614E+21	1,179713E+22
-418	1,590621E+22	1,940240E+22	2,141237E+22	2,141215E+22	1,940175E+22	1,590546E+22	1,179662E+22	8,176294E+21	6,078122E+21	6,078255E+21	8,176670E+21	1,179716E+22
-417	1,590595E+22	1,940187E+22	2,141162E+22	2,141142E+22	1,940168E+22	1,590592E+22	1,179712E+22	8,176564E+21	6,078093E+21	6,077973E+21	8,176183E+21	1,179650E+22
-416	1,590522E+22	1,940157E+22	2,141234E+22	2,141256E+22	1,940232E+22	1,590605E+22	1,179704E+22	8,176461E+21	6,078037E+21	6,077966E+21	8,176300E+21	1,179697E+22
-415	1,590615E+22	1,940238E+22	2,141262E+22	2,141249E+22	1,940197E+22	1,590560E+22	1,179665E+22	8,176183E+21	6,077923E+21	6,078052E+21	8,176487E+21	1,179691E+22
-414	1,590549E+22	1,940119E+22	2,141117E+22	2,141159E+22	1,940199E+22	1,590610E+22	1,179726E+22	8,176718E+21	6,078245E+21	6,078124E+21	8,176377E+21	1,179672E+22
-413	1,590544E+22	1,940164E+22	2,141204E+22	2,141215E+22	1,940214E+22	1,590601E+22	1,179705E+22	8,176548E+21	6,078270E+21	6,078343E+21	8,176782E+21	1,179742E+22
-412	1,590626E+22	1,940201E+22	2,141170E+22	2,141127E+22	1,940124E+22	1,590559E+22	1,179703E+22	8,176715E+21	6,078481E+21	6,078539E+21	8,176780E+21	1,179696E+22
-411	1,590540E+22	1,940105E+22	2,141103E+22	2,141114E+22	1,940127E+22	1,590569E+22	1,179738E+22	8,177233E+21	6,078948E+21	6,078811E+21	8,176867E+21	1,179702E+22
-410	1,590579E+22	1,940191E+22	2,141193E+22	2,141174E+22	1,940141E+22	1,590528E+22	1,179682E+22	8,176953E+21	6,079081E+21	6,079252E+21	8,177451E+21	1,179750E+22
-409	1,590576E+22	1,940123E+22	2,141078E+22	2,141056E+22	1,940095E+22	1,590556E+22	1,179732E+22	8,177414E+21	6,079417E+21	6,079438E+21	8,177412E+21	1,179712E+22

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	1,590496E+22	1,940037E+22	2,141063E+22	2,141106E+22	1,940139E+22	1,590586E+22	1,179761E+22	8,177707E+21	6,079680E+21	6,079621E+21	8,177576E+21	1,179755E+22
-407	1,590595E+22	1,940144E+22	2,141110E+22	2,141095E+22	1,940095E+22	1,590535E+22	1,179724E+22	8,177528E+21	6,079704E+21	6,079846E+21	8,177896E+21	1,179765E+22
-406	1,590546E+22	1,940044E+22	2,140972E+22	2,140976E+22	1,940059E+22	1,590567E+22	1,179785E+22	8,178113E+21	6,080061E+21	6,079896E+21	8,177631E+21	1,179715E+22
-405	1,590500E+22	1,940052E+22	2,141064E+22	2,141073E+22	1,940102E+22	1,590569E+22	1,179768E+22	8,177941E+21	6,080015E+21	6,079972E+21	8,177841E+21	1,179764E+22
-404	1,590583E+22	1,940117E+22	2,141073E+22	2,141042E+22	1,940051E+22	1,590521E+22	1,179733E+22	8,177712E+21	6,079887E+21	6,079970E+21	8,177851E+21	1,179732E+22
-403	1,590502E+22	1,940014E+22	2,140982E+22	2,141014E+22	1,940077E+22	1,590558E+22	1,179764E+22	8,177897E+21	6,079864E+21	6,079736E+21	8,177572E+21	1,179726E+22
-402	1,590538E+22	1,940108E+22	2,141110E+22	2,141112E+22	1,940123E+22	1,590545E+22	1,179710E+22	8,177298E+21	6,079457E+21	6,079585E+21	8,177724E+21	1,179777E+22
-401	1,590595E+22	1,940116E+22	2,141062E+22	2,141037E+22	1,940076E+22	1,590550E+22	1,179730E+22	8,177305E+21	6,079223E+21	6,079227E+21	8,177266E+21	1,179715E+22
-400	1,590523E+22	1,940059E+22	2,141070E+22	2,141110E+22	1,940138E+22	1,590581E+22	1,179747E+22	8,177342E+21	6,079079E+21	6,078912E+21	8,176922E+21	1,179712E+22
-399	1,590599E+22	1,940207E+22	2,141199E+22	2,141175E+22	1,940143E+22	1,590540E+22	1,179687E+22	8,176803E+21	6,078748E+21	6,078857E+21	8,177110E+21	1,179725E+22
-398	1,590559E+22	1,940123E+22	2,141097E+22	2,141082E+22	1,940119E+22	1,590569E+22	1,179726E+22	8,177086E+21	6,078826E+21	6,078723E+21	8,176776E+21	1,179675E+22
-397	1,590500E+22	1,940085E+22	2,141146E+22	2,141181E+22	1,940189E+22	1,590602E+22	1,179730E+22	8,176976E+21	6,078755E+21	6,078719E+21	8,176893E+21	1,179722E+22
-396	1,590600E+22	1,940176E+22	2,141167E+22	2,141156E+22	1,940141E+22	1,590552E+22	1,179693E+22	8,176748E+21	6,078668E+21	6,078820E+21	8,177076E+21	1,179716E+22
-395	1,590547E+22	1,940086E+22	2,141042E+22	2,141059E+22	1,940115E+22	1,590572E+22	1,179737E+22	8,177220E+21	6,078948E+21	6,078827E+21	8,176898E+21	1,179697E+22
-394	1,590546E+22	1,940140E+22	2,141151E+22	2,141140E+22	1,940142E+22	1,590559E+22	1,179709E+22	8,177066E+21	6,079045E+21	6,079088E+21	8,177252E+21	1,179748E+22
-393	1,590600E+22	1,940155E+22	2,141115E+22	2,141065E+22	1,940066E+22	1,590527E+22	1,179716E+22	8,177282E+21	6,079294E+21	6,079361E+21	8,177380E+21	1,179714E+22
-392	1,590509E+22	1,940034E+22	2,141036E+22	2,141075E+22	1,940103E+22	1,590557E+22	1,179753E+22	8,177744E+21	6,079701E+21	6,079584E+21	8,177425E+21	1,179717E+22
-391	1,590550E+22	1,940128E+22	2,141121E+22	2,141116E+22	1,940113E+22	1,590536E+22	1,179716E+22	8,177526E+21	6,079804E+21	6,079992E+21	8,178062E+21	1,179778E+22
-390	1,590551E+22	1,940052E+22	2,140989E+22	2,140970E+22	1,940035E+22	1,590542E+22	1,179764E+22	8,178061E+21	6,080225E+21	6,080225E+21	8,178010E+21	1,179741E+22
-389	1,590488E+22	1,939980E+22	2,140971E+22	2,141013E+22	1,940080E+22	1,590579E+22	1,179797E+22	8,178365E+21	6,080492E+21	6,080387E+21	8,178078E+21	1,179765E+22
-388	1,590572E+22	1,940094E+22	2,141032E+22	2,141007E+22	1,940032E+22	1,590519E+22	1,179754E+22	8,178188E+21	6,080550E+21	6,080663E+21	8,178434E+21	1,179772E+22
-387	1,590521E+22	1,940003E+22	2,140916E+22	2,140904E+22	1,939984E+22	1,590523E+22	1,179790E+22	8,178609E+21	6,080802E+21	6,080664E+21	8,178219E+21	1,179737E+22
-386	1,590481E+22	1,940000E+22	2,140999E+22	2,141017E+22	1,940053E+22	1,590533E+22	1,179765E+22	8,178353E+21	6,080712E+21	6,080706E+21	8,178409E+21	1,179786E+22
-385	1,590559E+22	1,940055E+22	2,140996E+22	2,140975E+22	1,940009E+22	1,590508E+22	1,179746E+22	8,178120E+21	6,080499E+21	6,080644E+21	8,178449E+21	1,179770E+22
-384	1,590500E+22	1,939962E+22	2,140911E+22	2,140960E+22	1,940043E+22	1,590549E+22	1,179779E+22	8,178266E+21	6,080369E+21	6,080247E+21	8,177955E+21	1,179745E+22
-383	1,590539E+22	1,940087E+22	2,141060E+22	2,141052E+22	1,940082E+22	1,590541E+22	1,179737E+22	8,177752E+21	6,079974E+21	6,080064E+21	8,178073E+21	1,179788E+22
-382	1,590580E+22	1,940086E+22	2,141020E+22	2,140979E+22	1,940016E+22	1,590523E+22	1,179747E+22	8,177805E+21	6,079868E+21	6,079824E+21	8,177645E+21	1,179722E+22
-381	1,590503E+22	1,940016E+22	2,141018E+22	2,141058E+22	1,940097E+22	1,590569E+22	1,179768E+22	8,177839E+21	6,079752E+21	6,079567E+21	8,177337E+21	1,179709E+22
-380	1,590557E+22	1,940142E+22	2,141128E+22	2,141121E+22	1,940115E+22	1,590537E+22	1,179710E+22	8,177320E+21	6,079459E+21	6,079587E+21	8,177641E+21	1,179737E+22
-379	1,590533E+22	1,940069E+22	2,141023E+22	2,141010E+22	1,940062E+22	1,590546E+22	1,179739E+22	8,177514E+21	6,079456E+21	6,079403E+21	8,177349E+21	1,179707E+22
-378	1,590495E+22	1,940035E+22	2,141063E+22	2,141101E+22	1,940129E+22	1,590575E+22	1,179742E+22	8,177467E+21	6,079439E+21	6,079393E+21	8,177393E+21	1,179743E+22
-377	1,590588E+22	1,940130E+22	2,141088E+22	2,141069E+22	1,940077E+22	1,590531E+22	1,179715E+22	8,177308E+21	6,079402E+21	6,079547E+21	8,177631E+21	1,179741E+22
-376	1,590537E+22	1,940044E+22	2,140984E+22	2,141000E+22	1,940059E+22	1,590545E+22	1,179752E+22	8,177738E+21	6,079674E+21	6,079539E+21	8,177365E+21	1,179705E+22
-375	1,590524E+22	1,940104E+22	2,141104E+22	2,141090E+22	1,940095E+22	1,590539E+22	1,179729E+22	8,177633E+21	6,079802E+21	6,079859E+21	8,177852E+21	1,179766E+22
-374	1,590564E+22	1,940087E+22	2,141043E+22	2,141004E+22	1,940015E+22	1,590502E+22	1,179730E+22	8,177858E+21	6,080137E+21	6,080231E+21	8,178066E+21	1,179745E+22
-373	1,590489E+22	1,939962E+22	2,140940E+22	2,140994E+22	1,940062E+22	1,590559E+22	1,179785E+22	8,178336E+21	6,080511E+21	6,080416E+21	8,178053E+21	1,179741E+22

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												
-372	1,590529E+22	1,940062E+22	2,141023E+22	2,141025E+22	1,940062E+22	1,590535E+22	1,179755E+22	8,178208E+21	6,080642E+21	6,080809E+21	8,178641E+21	1,179798E+22
-371	1,590541E+22	1,940012E+22	2,140911E+22	2,140875E+22	1,939954E+22	1,590510E+22	1,179785E+22	8,178662E+21	6,081011E+21	6,080989E+21	8,178556E+21	1,179761E+22
-370	1,590478E+22	1,939941E+22	2,140905E+22	2,140936E+22	1,940011E+22	1,590541E+22	1,179808E+22	8,178947E+21	6,081308E+21	6,081166E+21	8,178586E+21	1,179771E+22
-369	1,590536E+22	1,940035E+22	2,140964E+22	2,140942E+22	1,939978E+22	1,590492E+22	1,179768E+22	8,178729E+21	6,081325E+21	6,081466E+21	8,179060E+21	1,179795E+22
-368	1,590493E+22	1,939933E+22	2,140845E+22	2,140858E+22	1,939953E+22	1,590507E+22	1,179799E+22	8,179020E+21	6,081438E+21	6,081339E+21	8,178751E+21	1,179760E+22
-367	1,590467E+22	1,939955E+22	2,140935E+22	2,140958E+22	1,940018E+22	1,590530E+22	1,179788E+22	8,178786E+21	6,081265E+21	6,081294E+21	8,178939E+21	1,179817E+22
-366	1,590550E+22	1,940007E+22	2,140922E+22	2,140902E+22	1,939953E+22	1,590488E+22	1,179766E+22	8,178608E+21	6,081114E+21	6,081233E+21	8,178899E+21	1,179796E+22
-365	1,590504E+22	1,939933E+22	2,140847E+22	2,140888E+22	1,939998E+22	1,590544E+22	1,179807E+22	8,178760E+21	6,080982E+21	6,080813E+21	8,178300E+21	1,179747E+22
-364	1,590520E+22	1,940057E+22	2,141013E+22	2,140993E+22	1,940034E+22	1,590529E+22	1,179763E+22	8,178291E+21	6,080647E+21	6,080693E+21	8,178441E+21	1,179785E+22
-363	1,590550E+22	1,940049E+22	2,140975E+22	2,140929E+22	1,939961E+22	1,590488E+22	1,179752E+22	8,178231E+21	6,080500E+21	6,080477E+21	8,178127E+21	1,179736E+22
-362	1,590477E+22	1,939962E+22	2,140950E+22	2,141008E+22	1,940062E+22	1,590545E+22	1,179770E+22	8,178250E+21	6,080409E+21	6,080246E+21	8,177853E+21	1,179725E+22
-361	1,590525E+22	1,940072E+22	2,141039E+22	2,141048E+22	1,940073E+22	1,590528E+22	1,179730E+22	8,177777E+21	6,080099E+21	6,080272E+21	8,178228E+21	1,179771E+22
-360	1,590524E+22	1,940010E+22	2,140942E+22	2,140943E+22	1,940014E+22	1,590530E+22	1,179758E+22	8,177970E+21	6,080057E+21	6,079998E+21	8,177794E+21	1,179728E+22
-359	1,590494E+22	1,940011E+22	2,141004E+22	2,141026E+22	1,940069E+22	1,590555E+22	1,179766E+22	8,178002E+21	6,080088E+21	6,080024E+21	8,177871E+21	1,179759E+22
-358	1,590567E+22	1,940089E+22	2,141031E+22	2,140999E+22	1,940006E+22	1,590493E+22	1,179730E+22	8,177890E+21	6,080194E+21	6,080314E+21	8,178171E+21	1,179758E+22
-357	1,590516E+22	1,939995E+22	2,140919E+22	2,140939E+22	1,940016E+22	1,590531E+22	1,179771E+22	8,178286E+21	6,080470E+21	6,080351E+21	8,177938E+21	1,179715E+22
-356	1,590486E+22	1,940038E+22	2,141027E+22	2,141027E+22	1,940061E+22	1,590537E+22	1,179757E+22	8,178229E+21	6,080625E+21	6,080706E+21	8,178476E+21	1,179787E+22
-355	1,590542E+22	1,940029E+22	2,140960E+22	2,140927E+22	1,939959E+22	1,590483E+22	1,179751E+22	8,178404E+21	6,080897E+21	6,081025E+21	8,178707E+21	1,179779E+22
-354	1,590484E+22	1,939911E+22	2,140850E+22	2,140910E+22	1,940004E+22	1,590537E+22	1,179807E+22	8,178960E+21	6,081326E+21	6,081188E+21	8,178600E+21	1,179759E+22
-353	1,590506E+22	1,940007E+22	2,140937E+22	2,140934E+22	1,939999E+22	1,590519E+22	1,179787E+22	8,178876E+21	6,081480E+21	6,081617E+21	8,179228E+21	1,179820E+22
-352	1,590520E+22	1,939959E+22	2,140847E+22	2,140811E+22	1,939894E+22	1,590482E+22	1,179805E+22	8,179247E+21	6,081790E+21	6,081748E+21	8,179079E+21	1,179774E+22
-351	1,590452E+22	1,939895E+22	2,140845E+22	2,140876E+22	1,939959E+22	1,590517E+22	1,179827E+22	8,179495E+21	6,082045E+21	6,081938E+21	8,179224E+21	1,179795E+22
-350	1,590504E+22	1,939967E+22	2,140884E+22	2,140871E+22	1,939926E+22	1,590467E+22	1,179780E+22	8,179233E+21	6,082072E+21	6,082249E+21	8,179710E+21	1,179833E+22
-349	1,590488E+22	1,939881E+22	2,140757E+22	2,140774E+22	1,939908E+22	1,590502E+22	1,179821E+22	8,179471E+21	6,082080E+21	6,082004E+21	8,179256E+21	1,179783E+22
-348	1,590459E+22	1,939914E+22	2,140863E+22	2,140881E+22	1,939968E+22	1,590521E+22	1,179816E+22	8,179319E+21	6,081916E+21	6,081900E+21	8,179329E+21	1,179830E+22
-347	1,590548E+22	1,939988E+22	2,140874E+22	2,140836E+22	1,939889E+22	1,590453E+22	1,179776E+22	8,179051E+21	6,081715E+21	6,081796E+21	8,179257E+21	1,179805E+22
-346	1,590490E+22	1,939907E+22	2,140806E+22	2,140841E+22	1,939948E+22	1,590510E+22	1,179812E+22	8,179225E+21	6,081632E+21	6,081412E+21	8,178651E+21	1,179741E+22
-345	1,590473E+22	1,939997E+22	2,140957E+22	2,140951E+22	1,940005E+22	1,590517E+22	1,179779E+22	8,178756E+21	6,081294E+21	6,081358E+21	8,178943E+21	1,179798E+22
-344	1,590511E+22	1,939977E+22	2,140910E+22	2,140890E+22	1,939939E+22	1,590481E+22	1,179767E+22	8,178618E+21	6,081066E+21	6,081075E+21	8,178598E+21	1,179754E+22
-343	1,590458E+22	1,939911E+22	2,140877E+22	2,140941E+22	1,940025E+22	1,590543E+22	1,179797E+22	8,178701E+21	6,080968E+21	6,080848E+21	8,178392E+21	1,179755E+22
-342	1,590510E+22	1,940015E+22	2,140953E+22	2,140963E+22	1,940013E+22	1,590506E+22	1,179751E+22	8,178313E+21	6,080784E+21	6,080936E+21	8,178743E+21	1,179802E+22
-341	1,590527E+22	1,939977E+22	2,140866E+22	2,140854E+22	1,939957E+22	1,590516E+22	1,179780E+22	8,178504E+21	6,080774E+21	6,080689E+21	8,178256E+21	1,179739E+22
-340	1,590475E+22	1,939977E+22	2,140952E+22	2,140959E+22	1,940009E+22	1,590530E+22	1,179789E+22	8,178606E+21	6,080885E+21	6,080796E+21	8,178381E+21	1,179771E+22
-339	1,590546E+22	1,940047E+22	2,140976E+22	2,140942E+22	1,939946E+22	1,590453E+22	1,179734E+22	8,178383E+21	6,080954E+21	6,081115E+21	8,178798E+21	1,179785E+22
-338	1,590497E+22	1,939940E+22	2,140846E+22	2,140879E+22	1,939975E+22	1,590507E+22	1,179781E+22	8,178803E+21	6,081248E+21	6,081153E+21	8,178558E+21	1,179740E+22
-337	1,590459E+22	1,939968E+22	2,140934E+22	2,140946E+22	1,940017E+22	1,590533E+22	1,179788E+22	8,178816E+21	6,081395E+21	6,081499E+21	8,179111E+21	1,179819E+22

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	1,590528E+22	1,939969E+22	2,140878E+22	2,140853E+22	1,939908E+22	1,590469E+22	1,179780E+22	8,179002E+21	6,081645E+21	6,081735E+21	8,179198E+21	1,179797E+22
-335	1,590474E+22	1,939879E+22	2,140785E+22	2,140828E+22	1,939943E+22	1,590520E+22	1,179838E+22	8,179603E+21	6,082109E+21	6,081946E+21	8,179149E+21	1,179774E+22
-334	1,590473E+22	1,939946E+22	2,140863E+22	2,140855E+22	1,939929E+22	1,590483E+22	1,179806E+22	8,179536E+21	6,082362E+21	6,082464E+21	8,179821E+21	1,179839E+22
-333	1,590494E+22	1,939897E+22	2,140765E+22	2,140738E+22	1,939850E+22	1,590468E+22	1,179824E+22	8,179814E+21	6,082606E+21	6,082580E+21	8,179687E+21	1,179791E+22
-332	1,590420E+22	1,939831E+22	2,140768E+22	2,140804E+22	1,939914E+22	1,590504E+22	1,179849E+22	8,180050E+21	6,082807E+21	6,082713E+21	8,179807E+21	1,179822E+22
-331	1,590492E+22	1,939915E+22	2,140806E+22	2,140792E+22	1,939864E+22	1,590439E+22	1,179792E+22	8,179687E+21	6,082718E+21	6,082920E+21	8,180252E+21	1,179866E+22
-330	1,590491E+22	1,939849E+22	2,140691E+22	2,140704E+22	1,939857E+22	1,590477E+22	1,179833E+22	8,179952E+21	6,082722E+21	6,082606E+21	8,179658E+21	1,179794E+22
-329	1,590443E+22	1,939878E+22	2,140805E+22	2,140814E+22	1,939920E+22	1,590507E+22	1,179838E+22	8,179821E+21	6,082561E+21	6,082516E+21	8,179738E+21	1,179838E+22
-328	1,590522E+22	1,939945E+22	2,140836E+22	2,140801E+22	1,939852E+22	1,590432E+22	1,179789E+22	8,179491E+21	6,082314E+21	6,082372E+21	8,179623E+21	1,179806E+22
-327	1,590460E+22	1,939863E+22	2,140760E+22	2,140801E+22	1,939921E+22	1,590496E+22	1,179827E+22	8,179650E+21	6,082223E+21	6,082049E+21	8,179178E+21	1,179758E+22
-326	1,590433E+22	1,939916E+22	2,140872E+22	2,140885E+22	1,939967E+22	1,590504E+22	1,179795E+22	8,179212E+21	6,081943E+21	6,082036E+21	8,179506E+21	1,179831E+22
-325	1,590503E+22	1,939919E+22	2,140816E+22	2,140801E+22	1,939898E+22	1,590482E+22	1,179792E+22	8,179078E+21	6,081680E+21	6,081705E+21	8,179088E+21	1,179778E+22
-324	1,590452E+22	1,939872E+22	2,140803E+22	2,140851E+22	1,939962E+22	1,590526E+22	1,179824E+22	8,179255E+21	6,081643E+21	6,081479E+21	8,178814E+21	1,179774E+22
-323	1,590512E+22	1,939993E+22	2,140899E+22	2,140882E+22	1,939935E+22	1,590463E+22	1,179758E+22	8,178791E+21	6,081460E+21	6,081597E+21	8,179201E+21	1,179820E+22
-322	1,590521E+22	1,939953E+22	2,140824E+22	2,140800E+22	1,939900E+22	1,590473E+22	1,179782E+22	8,178994E+21	6,081498E+21	6,081399E+21	8,178728E+21	1,179746E+22
-321	1,590439E+22	1,939920E+22	2,140893E+22	2,140910E+22	1,939977E+22	1,590514E+22	1,179803E+22	8,179107E+21	6,081621E+21	6,081565E+21	8,178975E+21	1,179793E+22
-320	1,590515E+22	1,939980E+22	2,140913E+22	2,140897E+22	1,939921E+22	1,590445E+22	1,179753E+22	8,178863E+21	6,081633E+21	6,081815E+21	8,179334E+21	1,179808E+22
-319	1,590480E+22	1,939888E+22	2,140772E+22	2,140808E+22	1,939935E+22	1,590505E+22	1,179815E+22	8,179389E+21	6,081964E+21	6,081890E+21	8,179157E+21	1,179765E+22
-318	1,590434E+22	1,939897E+22	2,140840E+22	2,140856E+22	1,939958E+22	1,590518E+22	1,179822E+22	8,179521E+21	6,082257E+21	6,082306E+21	8,179680E+21	1,179843E+22
-317	1,590517E+22	1,939922E+22	2,140791E+22	2,140752E+22	1,939847E+22	1,590459E+22	1,179812E+22	8,179688E+21	6,082527E+21	6,082577E+21	8,179743E+21	1,179805E+22
-316	1,590441E+22	1,939825E+22	2,140717E+22	2,140745E+22	1,939874E+22	1,590492E+22	1,179865E+22	8,180309E+21	6,083030E+21	6,082834E+21	8,179747E+21	1,179791E+22
-315	1,590447E+22	1,939883E+22	2,140786E+22	2,140781E+22	1,939863E+22	1,590440E+22	1,179808E+22	8,180057E+21	6,083185E+21	6,083336E+21	8,180517E+21	1,179873E+22
-314	1,590481E+22	1,939837E+22	2,140682E+22	2,140662E+22	1,939797E+22	1,590435E+22	1,179829E+22	8,180294E+21	6,083350E+21	6,083362E+21	8,180309E+21	1,179821E+22
-313	1,590405E+22	1,939771E+22	2,140683E+22	2,140724E+22	1,939864E+22	1,590491E+22	1,179870E+22	8,180544E+21	6,083478E+21	6,083411E+21	8,180372E+21	1,179853E+22
-312	1,590488E+22	1,939876E+22	2,140750E+22	2,140730E+22	1,939815E+22	1,590420E+22	1,179810E+22	8,180150E+21	6,083315E+21	6,083480E+21	8,180617E+21	1,179876E+22
-311	1,590483E+22	1,939830E+22	2,140656E+22	2,140649E+22	1,939812E+22	1,590461E+22	1,179855E+22	8,180429E+21	6,083328E+21	6,083203E+21	8,180063E+21	1,179797E+22
-310	1,590405E+22	1,939820E+22	2,140751E+22	2,140763E+22	1,939878E+22	1,590487E+22	1,179855E+22	8,180340E+21	6,083255E+21	6,083183E+21	8,180177E+21	1,179846E+22
-309	1,590492E+22	1,939884E+22	2,140762E+22	2,140742E+22	1,939832E+22	1,590436E+22	1,179808E+22	8,179949E+21	6,082963E+21	6,083033E+21	8,180092E+21	1,179816E+22
-308	1,590426E+22	1,939800E+22	2,140686E+22	2,140732E+22	1,939884E+22	1,590495E+22	1,179854E+22	8,180155E+21	6,082870E+21	6,082691E+21	8,179663E+21	1,179784E+22
-307	1,590427E+22	1,939861E+22	2,140789E+22	2,140801E+22	1,939906E+22	1,590477E+22	1,179808E+22	8,179650E+21	6,082543E+21	6,082649E+21	8,180002E+21	1,179863E+22
-306	1,590511E+22	1,939889E+22	2,140750E+22	2,140722E+22	1,939836E+22	1,590450E+22	1,179803E+22	8,179560E+21	6,082315E+21	6,082312E+21	8,179515E+21	1,179794E+22
-305	1,590443E+22	1,939842E+22	2,140753E+22	2,140782E+22	1,939902E+22	1,590500E+22	1,179838E+22	8,179742E+21	6,082312E+21	6,082147E+21	8,179292E+21	1,179789E+22
-304	1,590492E+22	1,939956E+22	2,140868E+22	2,140843E+22	1,939889E+22	1,590433E+22	1,179766E+22	8,179235E+21	6,082109E+21	6,082250E+21	8,179654E+21	1,179830E+22
-303	1,590498E+22	1,939913E+22	2,140784E+22	2,140761E+22	1,939873E+22	1,590459E+22	1,179794E+22	8,179428E+21	6,082162E+21	6,082134E+21	8,179327E+21	1,179766E+22
-302	1,590405E+22	1,939841E+22	2,140806E+22	2,140840E+22	1,939939E+22	1,590507E+22	1,179825E+22	8,179648E+21	6,082373E+21	6,082332E+21	8,179564E+21	1,179821E+22
-301	1,590502E+22	1,939917E+22	2,140812E+22	2,140804E+22	1,939883E+22	1,590453E+22	1,179788E+22	8,179477E+21	6,082406E+21	6,082565E+21	8,179859E+21	1,179826E+22

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°
-300	1,590462E+22	1,939837E+22	2,140695E+22	2,140714E+22	1,939870E+22	1,590490E+22	1,179852E+22	8,180117E+21	6,082833E+21	6,082678E+21	8,179659E+21	1,179783E+22
-299	1,590420E+22	1,939844E+22	2,140761E+22	2,140761E+22	1,939874E+22	1,590476E+22	1,179837E+22	8,180161E+21	6,083132E+21	6,083159E+21	8,180268E+21	1,179861E+22
-298	1,590495E+22	1,939869E+22	2,140723E+22	2,140679E+22	1,939780E+22	1,590416E+22	1,179822E+22	8,180296E+21	6,083398E+21	6,083454E+21	8,180375E+21	1,179821E+22
-297	1,590405E+22	1,939755E+22	2,140637E+22	2,140672E+22	1,939824E+22	1,590469E+22	1,179877E+22	8,180837E+21	6,083833E+21	6,083699E+21	8,180451E+21	1,179823E+22
-296	1,590424E+22	1,939818E+22	2,140715E+22	2,140715E+22	1,939817E+22	1,590423E+22	1,179823E+22	8,180515E+21	6,083856E+21	6,084044E+21	8,181084E+21	1,179904E+22
-295	1,590479E+22	1,939798E+22	2,140619E+22	2,140595E+22	1,939753E+22	1,590424E+22	1,179850E+22	8,180764E+21	6,083985E+21	6,084032E+21	8,180848E+21	1,179845E+22
-294	1,590392E+22	1,939720E+22	2,140607E+22	2,140647E+22	1,939813E+22	1,590476E+22	1,179895E+22	8,181112E+21	6,084194E+21	6,084076E+21	8,180813E+21	1,179869E+22
-293	1,590479E+22	1,939842E+22	2,140685E+22	2,140657E+22	1,939776E+22	1,590418E+22	1,179838E+22	8,180715E+21	6,084026E+21	6,084142E+21	8,181014E+21	1,179875E+22
-292	1,590447E+22	1,939782E+22	2,140610E+22	2,140596E+22	1,939766E+22	1,590446E+22	1,179880E+22	8,181019E+21	6,084071E+21	6,083900E+21	8,180519E+21	1,179807E+22
-291	1,590377E+22	1,939752E+22	2,140676E+22	2,140700E+22	1,939831E+22	1,590461E+22	1,179861E+22	8,180777E+21	6,083926E+21	6,083894E+21	8,180740E+21	1,179871E+22
-290	1,590477E+22	1,939825E+22	2,140682E+22	2,140668E+22	1,939783E+22	1,590414E+22	1,179820E+22	8,180377E+21	6,083576E+21	6,083681E+21	8,180613E+21	1,179841E+22
-289	1,590415E+22	1,939747E+22	2,140607E+22	2,140648E+22	1,939828E+22	1,590479E+22	1,179872E+22	8,180598E+21	6,083463E+21	6,083302E+21	8,180157E+21	1,179812E+22
-288	1,590427E+22	1,939833E+22	2,140741E+22	2,140735E+22	1,939846E+22	1,590449E+22	1,179818E+22	8,180066E+21	6,083102E+21	6,083178E+21	8,180353E+21	1,179875E+22
-287	1,590509E+22	1,939876E+22	2,140722E+22	2,140673E+22	1,939784E+22	1,590422E+22	1,179812E+22	8,179969E+21	6,082912E+21	6,082932E+21	8,179949E+21	1,179800E+22
-286	1,590410E+22	1,939788E+22	2,140704E+22	2,140740E+22	1,939864E+22	1,590477E+22	1,179849E+22	8,180225E+21	6,083011E+21	6,082848E+21	8,179788E+21	1,179801E+22
-285	1,590466E+22	1,939898E+22	2,140797E+22	2,140787E+22	1,939873E+22	1,590439E+22	1,179786E+22	8,179716E+21	6,082801E+21	6,082961E+21	8,180164E+21	1,179841E+22
-284	1,590463E+22	1,939846E+22	2,140711E+22	2,140692E+22	1,939836E+22	1,590462E+22	1,179829E+22	8,180029E+21	6,082912E+21	6,082863E+21	8,179858E+21	1,179792E+22
-283	1,590394E+22	1,939772E+22	2,140710E+22	2,140750E+22	1,939880E+22	1,590489E+22	1,179849E+22	8,180238E+21	6,083149E+21	6,083101E+21	8,180134E+21	1,179847E+22
-282	1,590497E+22	1,939870E+22	2,140728E+22	2,140710E+22	1,939812E+22	1,590425E+22	1,179812E+22	8,180130E+21	6,083240E+21	6,083362E+21	8,180406E+21	1,179841E+22
-281	1,590440E+22	1,939785E+22	2,140622E+22	2,140626E+22	1,939795E+22	1,590462E+22	1,179875E+22	8,180766E+21	6,083703E+21	6,083551E+21	8,180300E+21	1,179803E+22
-280	1,590393E+22	1,939788E+22	2,140703E+22	2,140697E+22	1,939811E+22	1,590438E+22	1,179846E+22	8,180706E+21	6,083934E+21	6,083986E+21	8,180892E+21	1,179883E+22
-279	1,590475E+22	1,939815E+22	2,140658E+22	2,140617E+22	1,939735E+22	1,590393E+22	1,179830E+22	8,180757E+21	6,084149E+21	6,084303E+21	8,181092E+21	1,179853E+22
-278	1,590382E+22	1,939681E+22	2,140543E+22	2,140591E+22	1,939774E+22	1,590455E+22	1,179896E+22	8,181358E+21	6,084582E+21	6,084484E+21	8,181083E+21	1,179859E+22
-277	1,590426E+22	1,939771E+22	2,140624E+22	2,140624E+22	1,939774E+22	1,590424E+22	1,179853E+22	8,181083E+21	6,084576E+21	6,084736E+21	8,181554E+21	1,179918E+22
-276	1,590466E+22	1,939765E+22	2,140564E+22	2,140522E+22	1,939697E+22	1,590413E+22	1,179884E+22	8,181415E+21	6,084753E+21	6,084703E+21	8,181244E+21	1,179856E+22
-275	1,590379E+22	1,939676E+22	2,140548E+22	2,140580E+22	1,939751E+22	1,590445E+22	1,179910E+22	8,181664E+21	6,084947E+21	6,084795E+21	8,181270E+21	1,179873E+22
-274	1,590450E+22	1,939792E+22	2,140629E+22	2,140605E+22	1,939730E+22	1,590392E+22	1,179852E+22	8,181243E+21	6,084745E+21	6,084857E+21	8,181511E+21	1,179881E+22
-273	1,590407E+22	1,939712E+22	2,140538E+22	2,140537E+22	1,939729E+22	1,590437E+22	1,179898E+22	8,181479E+21	6,084729E+21	6,084608E+21	8,181104E+21	1,179832E+22
-272	1,590353E+22	1,939688E+22	2,140604E+22	2,140636E+22	1,939785E+22	1,590447E+22	1,179877E+22	8,181171E+21	6,084472E+21	6,084469E+21	8,181215E+21	1,179897E+22
-271	1,590475E+22	1,939790E+22	2,140622E+22	2,140605E+22	1,939738E+22	1,590400E+22	1,179836E+22	8,180761E+21	6,084118E+21	6,084267E+21	8,181092E+21	1,179863E+22
-270	1,590409E+22	1,939708E+22	2,140540E+22	2,140574E+22	1,939770E+22	1,590456E+22	1,179887E+22	8,181057E+21	6,084083E+21	6,083901E+21	8,180571E+21	1,179828E+22
-269	1,590423E+22	1,939808E+22	2,140686E+22	2,140671E+22	1,939803E+22	1,590437E+22	1,179836E+22	8,180546E+21	6,083753E+21	6,083803E+21	8,180747E+21	1,179876E+22
-268	1,590479E+22	1,939836E+22	2,140687E+22	2,140636E+22	1,939746E+22	1,590404E+22	1,179829E+22	8,180482E+21	6,083610E+21	6,083604E+21	8,180421E+21	1,179816E+22
-267	1,590388E+22	1,939720E+22	2,140626E+22	2,140679E+22	1,939822E+22	1,590456E+22	1,179857E+22	8,180657E+21	6,083692E+21	6,083579E+21	8,180367E+21	1,179827E+22
-266	1,590450E+22	1,939838E+22	2,140712E+22	2,140711E+22	1,939824E+22	1,590428E+22	1,179810E+22	8,180235E+21	6,083483E+21	6,083665E+21	8,180710E+21	1,179863E+22
-265	1,590447E+22	1,939789E+22	2,140625E+22	2,140604E+22	1,939774E+22	1,590450E+22	1,179859E+22	8,180619E+21	6,083657E+21	6,083606E+21	8,180423E+21	1,179816E+22

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	1,590382E+22	1,939730E+22	2,140643E+22	2,140666E+22	1,939808E+22	1,590460E+22	1,179870E+22	8,180817E+21	6,083901E+21	6,083820E+21	8,180620E+21	1,179859E+22
-263	1,590481E+22	1,939835E+22	2,140677E+22	2,140645E+22	1,939750E+22	1,590394E+22	1,179826E+22	8,180669E+21	6,084036E+21	6,084195E+21	8,181008E+21	1,179853E+22
-262	1,590403E+22	1,939715E+22	2,140545E+22	2,140558E+22	1,939741E+22	1,590433E+22	1,179888E+22	8,181340E+21	6,084548E+21	6,084418E+21	8,180956E+21	1,179828E+22
-261	1,590372E+22	1,939725E+22	2,140611E+22	2,140621E+22	1,939774E+22	1,590433E+22	1,179869E+22	8,181264E+21	6,084728E+21	6,084803E+21	8,181513E+21	1,179906E+22
-260	1,590451E+22	1,939756E+22	2,140583E+22	2,140545E+22	1,939686E+22	1,590385E+22	1,179863E+22	8,181387E+21	6,084938E+21	6,085061E+21	8,181666E+21	1,179886E+22
-259	1,590380E+22	1,939625E+22	2,140455E+22	2,140505E+22	1,939712E+22	1,590432E+22	1,179918E+22	8,181941E+21	6,085357E+21	6,085242E+21	8,181633E+21	1,179882E+22
-258	1,590421E+22	1,939738E+22	2,140558E+22	2,140544E+22	1,939709E+22	1,590402E+22	1,179880E+22	8,181713E+21	6,085358E+21	6,085475E+21	8,182034E+21	1,179925E+22
-257	1,590437E+22	1,939717E+22	2,140508E+22	2,140459E+22	1,939639E+22	1,590392E+22	1,179908E+22	8,182020E+21	6,085547E+21	6,085490E+21	8,181797E+21	1,179866E+22
-256	1,590344E+22	1,939620E+22	2,140494E+22	2,140532E+22	1,939706E+22	1,590418E+22	1,179919E+22	8,182142E+21	6,085644E+21	6,085512E+21	8,181809E+21	1,179889E+22
-255	1,590422E+22	1,939733E+22	2,140560E+22	2,140550E+22	1,939695E+22	1,590378E+22	1,179861E+22	8,181617E+21	6,085370E+21	6,085570E+21	8,182107E+21	1,179907E+22
-254	1,590383E+22	1,939639E+22	2,140443E+22	2,140458E+22	1,939680E+22	1,590424E+22	1,179916E+22	8,181922E+21	6,085339E+21	6,085244E+21	8,181636E+21	1,179865E+22
-253	1,590358E+22	1,939651E+22	2,140518E+22	2,140549E+22	1,939736E+22	1,590438E+22	1,179900E+22	8,181640E+21	6,085058E+21	6,085025E+21	8,181600E+21	1,179909E+22
-252	1,590465E+22	1,939766E+22	2,140576E+22	2,140539E+22	1,939679E+22	1,590378E+22	1,179858E+22	8,181284E+21	6,084754E+21	6,084825E+21	8,181445E+21	1,179876E+22
-251	1,590399E+22	1,939673E+22	2,140490E+22	2,140519E+22	1,939714E+22	1,590421E+22	1,179891E+22	8,181475E+21	6,084719E+21	6,084544E+21	8,181012E+21	1,179837E+22
-250	1,590402E+22	1,939769E+22	2,140637E+22	2,140626E+22	1,939761E+22	1,590413E+22	1,179847E+22	8,180989E+21	6,084385E+21	6,084457E+21	8,181221E+21	1,179885E+22
-249	1,590444E+22	1,939774E+22	2,140620E+22	2,140585E+22	1,939714E+22	1,590399E+22	1,179849E+22	8,180937E+21	6,084252E+21	6,084286E+21	8,180975E+21	1,179839E+22
-248	1,590366E+22	1,939665E+22	2,140556E+22	2,140615E+22	1,939778E+22	1,590444E+22	1,179879E+22	8,181126E+21	6,084306E+21	6,084199E+21	8,180847E+21	1,179847E+22
-247	1,590438E+22	1,939796E+22	2,140643E+22	2,140641E+22	1,939776E+22	1,590415E+22	1,179833E+22	8,180743E+21	6,084170E+21	6,084366E+21	8,181220E+21	1,179879E+22
-246	1,590427E+22	1,939735E+22	2,140544E+22	2,140520E+22	1,939709E+22	1,590429E+22	1,179885E+22	8,181244E+21	6,084462E+21	6,084382E+21	8,180972E+21	1,179834E+22
-245	1,590367E+22	1,939687E+22	2,140565E+22	2,140587E+22	1,939751E+22	1,590440E+22	1,179895E+22	8,181453E+21	6,084745E+21	6,084645E+21	8,181187E+21	1,179869E+22
-244	1,590443E+22	1,939777E+22	2,140614E+22	2,140585E+22	1,939699E+22	1,590370E+22	1,179846E+22	8,181306E+21	6,084904E+21	6,085049E+21	8,181667E+21	1,179885E+22
-243	1,590385E+22	1,939643E+22	2,140449E+22	2,140477E+22	1,939684E+22	1,590405E+22	1,179897E+22	8,181848E+21	6,085354E+21	6,085288E+21	8,181666E+21	1,179865E+22
-242	1,590366E+22	1,939672E+22	2,140522E+22	2,140532E+22	1,939710E+22	1,590413E+22	1,179894E+22	8,181848E+21	6,085495E+21	6,085588E+21	8,182122E+21	1,179934E+22
-241	1,590441E+22	1,939709E+22	2,140506E+22	2,140464E+22	1,939624E+22	1,590368E+22	1,179891E+22	8,182009E+21	6,085729E+21	6,085830E+21	8,182225E+21	1,179907E+22
-240	1,590366E+22	1,939592E+22	2,140401E+22	2,140434E+22	1,939648E+22	1,590405E+22	1,179938E+22	8,182517E+21	6,086109E+21	6,085955E+21	8,182096E+21	1,179888E+22
-239	1,590394E+22	1,939698E+22	2,140514E+22	2,140497E+22	1,939664E+22	1,590380E+22	1,179896E+22	8,182226E+21	6,086112E+21	6,086253E+21	8,182567E+21	1,179930E+22
-238	1,590393E+22	1,939642E+22	2,140429E+22	2,140401E+22	1,939601E+22	1,590376E+22	1,179926E+22	8,182542E+21	6,086288E+21	6,086253E+21	8,182381E+21	1,179887E+22
-237	1,590318E+22	1,939551E+22	2,140394E+22	2,140455E+22	1,939675E+22	1,590419E+22	1,179944E+22	8,182634E+21	6,086307E+21	6,086189E+21	8,182331E+21	1,179909E+22
-236	1,590398E+22	1,939674E+22	2,140483E+22	2,140480E+22	1,939650E+22	1,590370E+22	1,179889E+22	8,182142E+21	6,086004E+21	6,086162E+21	8,182581E+21	1,179940E+22
-235	1,590386E+22	1,939593E+22	2,140358E+22	2,140371E+22	1,939615E+22	1,590393E+22	1,179927E+22	8,182365E+21	6,085954E+21	6,085852E+21	8,182087E+21	1,179889E+22
-234	1,590362E+22	1,939635E+22	2,140468E+22	2,140474E+22	1,939665E+22	1,590407E+22	1,179917E+22	8,182127E+21	6,085675E+21	6,085620E+21	8,182000E+21	1,179917E+22
-233	1,590444E+22	1,939735E+22	2,140539E+22	2,140494E+22	1,939627E+22	1,590350E+22	1,179870E+22	8,181749E+21	6,085400E+21	6,085477E+21	8,181915E+21	1,179886E+22
-232	1,590371E+22	1,939634E+22	2,140450E+22	2,140482E+22	1,939678E+22	1,590395E+22	1,179894E+22	8,181844E+21	6,085301E+21	6,085160E+21	8,181484E+21	1,179852E+22
-231	1,590377E+22	1,939719E+22	2,140579E+22	2,140581E+22	1,939737E+22	1,590407E+22	1,179858E+22	8,181338E+21	6,084965E+21	6,085110E+21	8,181731E+21	1,179903E+22
-230	1,590419E+22	1,939706E+22	2,140530E+22	2,140511E+22	1,939673E+22	1,590394E+22	1,179877E+22	8,181446E+21	6,084900E+21	6,084933E+21	8,181471E+21	1,179864E+22
-229	1,590362E+22	1,939623E+22	2,140464E+22	2,140528E+22	1,939731E+22	1,590438E+22	1,179911E+22	8,181733E+21	6,085030E+21	6,084861E+21	8,181277E+21	1,179856E+22

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	1,590412E+22	1,939753E+22	2,140584E+22	2,140572E+22	1,939716E+22	1,590393E+22	1,179863E+22	8,181417E+21	6,084985E+21	6,085093E+21	8,181708E+21	1,179896E+22
-227	1,590404E+22	1,939677E+22	2,140469E+22	2,140448E+22	1,939644E+22	1,590389E+22	1,179895E+22	8,181820E+21	6,085307E+21	6,085247E+21	8,181610E+21	1,179855E+22
-226	1,590342E+22	1,939633E+22	2,140493E+22	2,140514E+22	1,939689E+22	1,590411E+22	1,179912E+22	8,182027E+21	6,085560E+21	6,085505E+21	8,181865E+21	1,179895E+22
-225	1,590413E+22	1,939708E+22	2,140530E+22	2,140511E+22	1,939649E+22	1,590356E+22	1,179869E+22	8,181870E+21	6,085703E+21	6,085900E+21	8,182366E+21	1,179920E+22
-224	1,590373E+22	1,939595E+22	2,140375E+22	2,140400E+22	1,939629E+22	1,590385E+22	1,179916E+22	8,182378E+21	6,086079E+21	6,086030E+21	8,182243E+21	1,179895E+22
-223	1,590363E+22	1,939637E+22	2,140455E+22	2,140459E+22	1,939658E+22	1,590395E+22	1,179914E+22	8,182386E+21	6,086255E+21	6,086350E+21	8,182643E+21	1,179948E+22
-222	1,590418E+22	1,939656E+22	2,140431E+22	2,140389E+22	1,939569E+22	1,590351E+22	1,179920E+22	8,182656E+21	6,086552E+21	6,086615E+21	8,182756E+21	1,179921E+22
-221	1,590343E+22	1,939543E+22	2,140328E+22	2,140369E+22	1,939606E+22	1,590389E+22	1,179964E+22	8,183147E+21	6,086924E+21	6,086739E+21	8,182624E+21	1,179894E+22
-220	1,590346E+22	1,939625E+22	2,140444E+22	2,140442E+22	1,939625E+22	1,590366E+22	1,179919E+22	8,182825E+21	6,086896E+21	6,087007E+21	8,183154E+21	1,179959E+22
-219	1,590369E+22	1,939563E+22	2,140325E+22	2,140314E+22	1,939548E+22	1,590356E+22	1,179939E+22	8,183009E+21	6,086988E+21	6,087005E+21	8,183003E+21	1,179922E+22
-218	1,590316E+22	1,939506E+22	2,140307E+22	2,140356E+22	1,939602E+22	1,590396E+22	1,179968E+22	8,183134E+21	6,086937E+21	6,086828E+21	8,182829E+21	1,179934E+22
-217	1,590393E+22	1,939639E+22	2,140416E+22	2,140399E+22	1,939586E+22	1,590345E+22	1,179908E+22	8,182644E+21	6,086646E+21	6,086776E+21	8,183013E+21	1,179956E+22
-216	1,590380E+22	1,939580E+22	2,140327E+22	2,140314E+22	1,939554E+22	1,590356E+22	1,179930E+22	8,182760E+21	6,086529E+21	6,086408E+21	8,182443E+21	1,179894E+22
-215	1,590343E+22	1,939610E+22	2,140443E+22	2,140446E+22	1,939632E+22	1,590380E+22	1,179917E+22	8,182470E+21	6,086261E+21	6,086238E+21	8,182410E+21	1,179920E+22
-214	1,590406E+22	1,939673E+22	2,140479E+22	2,140457E+22	1,939608E+22	1,590343E+22	1,179885E+22	8,182167E+21	6,085999E+21	6,086098E+21	8,182390E+21	1,179903E+22
-213	1,590348E+22	1,939576E+22	2,140371E+22	2,140425E+22	1,939661E+22	1,590402E+22	1,179922E+22	8,182318E+21	6,085902E+21	6,085755E+21	8,181924E+21	1,179865E+22
-212	1,590347E+22	1,939657E+22	2,140507E+22	2,140520E+22	1,939703E+22	1,590407E+22	1,179894E+22	8,181925E+21	6,085631E+21	6,085705E+21	8,182174E+21	1,179929E+22
-211	1,590410E+22	1,939652E+22	2,140439E+22	2,140419E+22	1,939613E+22	1,590372E+22	1,179897E+22	8,182010E+21	6,085643E+21	6,085657E+21	8,181989E+21	1,179885E+22
-210	1,590354E+22	1,939590E+22	2,140398E+22	2,140435E+22	1,939651E+22	1,590408E+22	1,179937E+22	8,182354E+21	6,085822E+21	6,085640E+21	8,181828E+21	1,179871E+22
-209	1,590385E+22	1,939701E+22	2,140522E+22	2,140506E+22	1,939654E+22	1,590360E+22	1,179878E+22	8,182012E+21	6,085825E+21	6,085954E+21	8,182368E+21	1,179921E+22
-208	1,590380E+22	1,939625E+22	2,140404E+22	2,140382E+22	1,939589E+22	1,590352E+22	1,179896E+22	8,182275E+21	6,086053E+21	6,086058E+21	8,182276E+21	1,179888E+22
-207	1,590328E+22	1,939580E+22	2,140421E+22	2,140446E+22	1,939645E+22	1,590391E+22	1,179920E+22	8,182457E+21	6,086279E+21	6,086303E+21	8,182503E+21	1,179926E+22
-206	1,590400E+22	1,939648E+22	2,140439E+22	2,140425E+22	1,939595E+22	1,590342E+22	1,179896E+22	8,182447E+21	6,086451E+21	6,086642E+21	8,182927E+21	1,179948E+22
-205	1,590370E+22	1,939556E+22	2,140293E+22	2,140315E+22	1,939577E+22	1,590373E+22	1,179949E+22	8,183033E+21	6,086876E+21	6,086755E+21	8,182690E+21	1,179900E+22
-204	1,590331E+22	1,939590E+22	2,140402E+22	2,140400E+22	1,939609E+22	1,590380E+22	1,179946E+22	8,183092E+21	6,087105E+21	6,087102E+21	8,183122E+21	1,179959E+22
-203	1,590386E+22	1,939588E+22	2,140350E+22	2,140317E+22	1,939516E+22	1,590322E+22	1,179935E+22	8,183261E+21	6,087409E+21	6,087472E+21	8,183365E+21	1,179937E+22
-202	1,590312E+22	1,939479E+22	2,140245E+22	2,140286E+22	1,939549E+22	1,590372E+22	1,179989E+22	8,183729E+21	6,087707E+21	6,087548E+21	8,183254E+21	1,179918E+22
-201	1,590314E+22	1,939549E+22	2,140354E+22	2,140361E+22	1,939574E+22	1,590352E+22	1,179944E+22	8,183374E+21	6,087629E+21	6,087763E+21	8,183761E+21	1,179989E+22
-200	1,590360E+22	1,939518E+22	2,140252E+22	2,140232E+22	1,939485E+22	1,590327E+22	1,179951E+22	8,183459E+21	6,087612E+21	6,087636E+21	8,183497E+21	1,179950E+22
-199	1,590318E+22	1,939483E+22	2,140256E+22	2,140288E+22	1,939547E+22	1,590368E+22	1,179974E+22	8,183539E+21	6,087558E+21	6,087455E+21	8,183249E+21	1,179946E+22
-198	1,590378E+22	1,939604E+22	2,140366E+22	2,140338E+22	1,939535E+22	1,590323E+22	1,179924E+22	8,183126E+21	6,087291E+21	6,087403E+21	8,183437E+21	1,179967E+22
-197	1,590362E+22	1,939544E+22	2,140282E+22	2,140276E+22	1,939529E+22	1,590341E+22	1,179944E+22	8,183221E+21	6,087164E+21	6,087027E+21	8,182856E+21	1,179898E+22
-196	1,590304E+22	1,939551E+22	2,140393E+22	2,140414E+22	1,939617E+22	1,590377E+22	1,179936E+22	8,182932E+21	6,086881E+21	6,086836E+21	8,182877E+21	1,179944E+22
-195	1,590384E+22	1,939600E+22	2,140387E+22	2,140384E+22	1,939574E+22	1,590335E+22	1,179902E+22	8,182604E+21	6,086622E+21	6,086751E+21	8,182909E+21	1,179931E+22
-194	1,590343E+22	1,939533E+22	2,140292E+22	2,140330E+22	1,939596E+22	1,590390E+22	1,179954E+22	8,182862E+21	6,086549E+21	6,086392E+21	8,182402E+21	1,179885E+22
-193	1,590332E+22	1,939608E+22	2,140434E+22	2,140436E+22	1,939639E+22	1,590387E+22	1,179920E+22	8,182523E+21	6,086374E+21	6,086408E+21	8,182652E+21	1,179942E+22

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	1,590394E+22	1,939623E+22	2,140392E+22	2,140348E+22	1,939545E+22	1,590333E+22	1,179905E+22	8,182504E+21	6,086364E+21	6,086383E+21	8,182503E+21	1,179901E+22
-191	1,590335E+22	1,939552E+22	2,140351E+22	2,140381E+22	1,939600E+22	1,590371E+22	1,179934E+22	8,182781E+21	6,086557E+21	6,086429E+21	8,182400E+21	1,179888E+22
-190	1,590354E+22	1,939631E+22	2,140441E+22	2,140438E+22	1,939614E+22	1,590345E+22	1,179894E+22	8,182512E+21	6,086558E+21	6,086728E+21	8,182990E+21	1,179952E+22
-189	1,590368E+22	1,939568E+22	2,140321E+22	2,140314E+22	1,939554E+22	1,590345E+22	1,179920E+22	8,182809E+21	6,086767E+21	6,086771E+21	8,182807E+21	1,179911E+22
-188	1,590309E+22	1,939525E+22	2,140349E+22	2,140379E+22	1,939603E+22	1,590384E+22	1,179952E+22	8,183095E+21	6,087038E+21	6,086990E+21	8,183000E+21	1,179952E+22
-187	1,590390E+22	1,939594E+22	2,140352E+22	2,140334E+22	1,939536E+22	1,590324E+22	1,179922E+22	8,183099E+21	6,087298E+21	6,087453E+21	8,183473E+21	1,179963E+22
-186	1,590353E+22	1,939518E+22	2,140232E+22	2,140225E+22	1,939501E+22	1,590351E+22	1,179983E+22	8,183740E+21	6,087761E+21	6,087612E+21	8,183272E+21	1,179910E+22
-185	1,590289E+22	1,939516E+22	2,140329E+22	2,140334E+22	1,939556E+22	1,590357E+22	1,179970E+22	8,183767E+21	6,088016E+21	6,088013E+21	8,183779E+21	1,179976E+22
-184	1,590351E+22	1,939523E+22	2,140270E+22	2,140242E+22	1,939464E+22	1,590295E+22	1,179943E+22	8,183752E+21	6,088180E+21	6,088301E+21	8,184037E+21	1,179970E+22
-183	1,590298E+22	1,939420E+22	2,140162E+22	2,140203E+22	1,939494E+22	1,590349E+22	1,179996E+22	8,184157E+21	6,088401E+21	6,088298E+21	8,183845E+21	1,179949E+22
-182	1,590306E+22	1,939492E+22	2,140264E+22	2,140269E+22	1,939513E+22	1,590334E+22	1,179966E+22	8,183896E+21	6,088296E+21	6,088418E+21	8,184259E+21	1,180017E+22
-181	1,590364E+22	1,939489E+22	2,140191E+22	2,140164E+22	1,939434E+22	1,590305E+22	1,179969E+22	8,183968E+21	6,088262E+21	6,088233E+21	8,183864E+21	1,179955E+22
-180	1,590296E+22	1,939450E+22	2,140226E+22	2,140252E+22	1,939508E+22	1,590349E+22	1,179991E+22	8,184045E+21	6,088206E+21	6,088045E+21	8,183647E+21	1,179957E+22
-179	1,590352E+22	1,939549E+22	2,140305E+22	2,140289E+22	1,939503E+22	1,590304E+22	1,179933E+22	8,183559E+21	6,087947E+21	6,088082E+21	8,183929E+21	1,179980E+22
-178	1,590337E+22	1,939493E+22	2,140220E+22	2,140211E+22	1,939490E+22	1,590339E+22	1,179970E+22	8,183676E+21	6,087775E+21	6,087670E+21	8,183358E+21	1,179917E+22
-177	1,590277E+22	1,939481E+22	2,140315E+22	2,140349E+22	1,939582E+22	1,590376E+22	1,179964E+22	8,183439E+21	6,087518E+21	6,087471E+21	8,183351E+21	1,179963E+22
-176	1,590375E+22	1,939559E+22	2,140315E+22	2,140304E+22	1,939517E+22	1,590314E+22	1,179917E+22	8,183053E+21	6,087226E+21	6,087347E+21	8,183348E+21	1,179951E+22
-175	1,590341E+22	1,939504E+22	2,140237E+22	2,140254E+22	1,939534E+22	1,590362E+22	1,179962E+22	8,183316E+21	6,087217E+21	6,087054E+21	8,182844E+21	1,179897E+22
-174	1,590313E+22	1,939562E+22	2,140374E+22	2,140363E+22	1,939577E+22	1,590359E+22	1,179936E+22	8,183056E+21	6,087094E+21	6,087125E+21	8,183169E+21	1,179958E+22
-173	1,590374E+22	1,939572E+22	2,140332E+22	2,140297E+22	1,939503E+22	1,590306E+22	1,179914E+22	8,183002E+21	6,087091E+21	6,087123E+21	8,183047E+21	1,179917E+22
-172	1,590304E+22	1,939489E+22	2,140289E+22	2,140332E+22	1,939570E+22	1,590360E+22	1,179949E+22	8,183267E+21	6,087259E+21	6,087148E+21	8,182996E+21	1,179922E+22
-171	1,590341E+22	1,939563E+22	2,140344E+22	2,140349E+22	1,939562E+22	1,590330E+22	1,179913E+22	8,183033E+21	6,087299E+21	6,087496E+21	8,183585E+21	1,179982E+22
-170	1,590367E+22	1,939529E+22	2,140246E+22	2,140214E+22	1,939483E+22	1,590332E+22	1,179956E+22	8,183451E+21	6,087553E+21	6,087527E+21	8,183333E+21	1,179927E+22
-169	1,590290E+22	1,939473E+22	2,140280E+22	2,140300E+22	1,939542E+22	1,590365E+22	1,179984E+22	8,183806E+21	6,087928E+21	6,087818E+21	8,183511E+21	1,179956E+22
-168	1,590361E+22	1,939550E+22	2,140294E+22	2,140264E+22	1,939474E+22	1,590291E+22	1,179937E+22	8,183705E+21	6,088157E+21	6,088305E+21	8,184059E+21	1,179976E+22
-167	1,590320E+22	1,939457E+22	2,140169E+22	2,140165E+22	1,939453E+22	1,590324E+22	1,179991E+22	8,184280E+21	6,088609E+21	6,088499E+21	8,183925E+21	1,179929E+22
-166	1,590251E+22	1,939428E+22	2,140229E+22	2,140252E+22	1,939510E+22	1,590348E+22	1,179994E+22	8,184336E+21	6,088807E+21	6,088845E+21	8,184456E+21	1,180009E+22
-165	1,590337E+22	1,939454E+22	2,140177E+22	2,140163E+22	1,939418E+22	1,590284E+22	1,179969E+22	8,184306E+21	6,088902E+21	6,089025E+21	8,184596E+21	1,179997E+22
-164	1,590288E+22	1,939371E+22	2,140090E+22	2,140132E+22	1,939445E+22	1,590335E+22	1,180019E+22	8,184709E+21	6,089085E+21	6,088940E+21	8,184342E+21	1,179978E+22
-163	1,590305E+22	1,939452E+22	2,140188E+22	2,140182E+22	1,939449E+22	1,590309E+22	1,179983E+22	8,184427E+21	6,089018E+21	6,089119E+21	8,184743E+21	1,180033E+22
-162	1,590357E+22	1,939467E+22	2,140153E+22	2,140096E+22	1,939368E+22	1,590282E+22	1,179991E+22	8,184500E+21	6,088961E+21	6,088925E+21	8,184346E+21	1,179964E+22
-161	1,590264E+22	1,939393E+22	2,140174E+22	2,140210E+22	1,939474E+22	1,590332E+22	1,180006E+22	8,184544E+21	6,088905E+21	6,088751E+21	8,184146E+21	1,179966E+22
-160	1,590326E+22	1,939498E+22	2,140241E+22	2,140233E+22	1,939469E+22	1,590291E+22	1,179941E+22	8,183919E+21	6,088525E+21	6,088712E+21	8,184437E+21	1,180004E+22
-159	1,590326E+22	1,939447E+22	2,140155E+22	2,140144E+22	1,939444E+22	1,590324E+22	1,179979E+22	8,184045E+21	6,088339E+21	6,088257E+21	8,183794E+21	1,179935E+22
-158	1,590265E+22	1,939426E+22	2,140230E+22	2,140263E+22	1,939527E+22	1,590364E+22	1,179990E+22	8,183945E+21	6,088130E+21	6,088052E+21	8,183758E+21	1,179977E+22
-157	1,590366E+22	1,939522E+22	2,140259E+22	2,140243E+22	1,939465E+22	1,590292E+22	1,179935E+22	8,183561E+21	6,087876E+21	6,087947E+21	8,183716E+21	1,179954E+22

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	1,590314E+22	1,939463E+22	2,140197E+22	2,140212E+22	1,939489E+22	1,590336E+22	1,179975E+22	8,183811E+21	6,087888E+21	6,087705E+21	8,183323E+21	1,179913E+22
-155	1,590287E+22	1,939500E+22	2,140298E+22	2,140298E+22	1,939531E+22	1,590335E+22	1,179946E+22	8,183530E+21	6,087817E+21	6,087889E+21	8,183762E+21	1,179981E+22
-154	1,590357E+22	1,939521E+22	2,140263E+22	2,140220E+22	1,939450E+22	1,590297E+22	1,179939E+22	8,183502E+21	6,087790E+21	6,087867E+21	8,183647E+21	1,179943E+22
-153	1,590283E+22	1,939423E+22	2,140209E+22	2,140262E+22	1,939525E+22	1,590351E+22	1,179978E+22	8,183849E+21	6,088014E+21	6,087900E+21	8,183540E+21	1,179942E+22
-152	1,590334E+22	1,939525E+22	2,140270E+22	2,140265E+22	1,939504E+22	1,590310E+22	1,179932E+22	8,183582E+21	6,088050E+21	6,088239E+21	8,184114E+21	1,180002E+22
-151	1,590357E+22	1,939495E+22	2,140189E+22	2,140139E+22	1,939419E+22	1,590306E+22	1,179972E+22	8,184040E+21	6,088390E+21	6,088342E+21	8,183870E+21	1,179938E+22
-150	1,590260E+22	1,939410E+22	2,140203E+22	2,140227E+22	1,939485E+22	1,590345E+22	1,180011E+22	8,184479E+21	6,088812E+21	6,088695E+21	8,184146E+21	1,179972E+22
-149	1,590327E+22	1,939476E+22	2,140216E+22	2,140207E+22	1,939432E+22	1,590271E+22	1,179956E+22	8,184310E+21	6,089006E+21	6,089168E+21	8,184710E+21	1,179998E+22
-148	1,590287E+22	1,939380E+22	2,140084E+22	2,140098E+22	1,939411E+22	1,590314E+22	1,180013E+22	8,184835E+21	6,089372E+21	6,089297E+21	8,184616E+21	1,179970E+22
-147	1,590243E+22	1,939358E+22	2,140116E+22	2,140143E+22	1,939441E+22	1,590329E+22	1,180017E+22	8,184899E+21	6,089570E+21	6,089631E+21	8,185087E+21	1,180044E+22
-146	1,590343E+22	1,939423E+22	2,140100E+22	2,140057E+22	1,939337E+22	1,590264E+22	1,179999E+22	8,184900E+21	6,089646E+21	6,089744E+21	8,185110E+21	1,180016E+22
-145	1,590278E+22	1,939336E+22	2,140037E+22	2,140066E+22	1,939385E+22	1,590309E+22	1,180039E+22	8,185292E+21	6,089853E+21	6,089664E+21	8,184786E+21	1,179982E+22
-144	1,590288E+22	1,939427E+22	2,140146E+22	2,140128E+22	1,939395E+22	1,590276E+22	1,179987E+22	8,184869E+21	6,089697E+21	6,089808E+21	8,185219E+21	1,180042E+22
-143	1,590330E+22	1,939422E+22	2,140108E+22	2,140059E+22	1,939337E+22	1,590261E+22	1,179994E+22	8,184887E+21	6,089600E+21	6,089585E+21	8,184820E+21	1,179975E+22
-142	1,590232E+22	1,939322E+22	2,140095E+22	2,140152E+22	1,939445E+22	1,590332E+22	1,180030E+22	8,184991E+21	6,089495E+21	6,089360E+21	8,184624E+21	1,179985E+22
-141	1,590304E+22	1,939435E+22	2,140165E+22	2,140176E+22	1,939434E+22	1,590286E+22	1,179966E+22	8,184388E+21	6,089094E+21	6,089252E+21	8,184818E+21	1,180015E+22
-140	1,590309E+22	1,939401E+22	2,140091E+22	2,140084E+22	1,939402E+22	1,590315E+22	1,180004E+22	8,184539E+21	6,088926E+21	6,088810E+21	8,184214E+21	1,179954E+22
-139	1,590254E+22	1,939382E+22	2,140150E+22	2,140175E+22	1,939459E+22	1,590340E+22	1,180009E+22	8,184467E+21	6,088828E+21	6,088737E+21	8,184238E+21	1,179990E+22
-138	1,590350E+22	1,939490E+22	2,140209E+22	2,140171E+22	1,939398E+22	1,590266E+22	1,179955E+22	8,184090E+21	6,088598E+21	6,088681E+21	8,184265E+21	1,179969E+22
-137	1,590284E+22	1,939403E+22	2,140134E+22	2,140164E+22	1,939451E+22	1,590314E+22	1,179984E+22	8,184294E+21	6,088625E+21	6,088478E+21	8,183907E+21	1,179934E+22
-136	1,590272E+22	1,939452E+22	2,140222E+22	2,140227E+22	1,939482E+22	1,590313E+22	1,179951E+22	8,183918E+21	6,088463E+21	6,088607E+21	8,184364E+21	1,180014E+22
-135	1,590354E+22	1,939480E+22	2,140195E+22	2,140149E+22	1,939396E+22	1,590276E+22	1,179951E+22	8,183958E+21	6,088461E+21	6,088548E+21	8,184161E+21	1,179966E+22
-134	1,590274E+22	1,939374E+22	2,140129E+22	2,140178E+22	1,939466E+22	1,590339E+22	1,180009E+22	8,184460E+21	6,088764E+21	6,088614E+21	8,184035E+21	1,179955E+22
-133	1,590313E+22	1,939479E+22	2,140212E+22	2,140207E+22	1,939452E+22	1,590292E+22	1,179960E+22	8,184221E+21	6,088861E+21	6,088995E+21	8,184584E+21	1,180004E+22
-132	1,590321E+22	1,939438E+22	2,140133E+22	2,140094E+22	1,939378E+22	1,590289E+22	1,179995E+22	8,184667E+21	6,089215E+21	6,089168E+21	8,184495E+21	1,179957E+22
-131	1,590225E+22	1,939328E+22	2,140097E+22	2,140140E+22	1,939433E+22	1,590330E+22	1,180034E+22	8,185100E+21	6,089686E+21	6,089602E+21	8,184862E+21	1,180002E+22
-130	1,590305E+22	1,939411E+22	2,140123E+22	2,140109E+22	1,939368E+22	1,590263E+22	1,179989E+22	8,184931E+21	6,089826E+21	6,090014E+21	8,185397E+21	1,180032E+22
-129	1,590271E+22	1,939313E+22	2,139990E+22	2,140011E+22	1,939350E+22	1,590294E+22	1,180040E+22	8,185465E+21	6,090187E+21	6,090094E+21	8,185193E+21	1,179996E+22
-128	1,590244E+22	1,939329E+22	2,140040E+22	2,140050E+22	1,939367E+22	1,590296E+22	1,180031E+22	8,185429E+21	6,090313E+21	6,090368E+21	8,185623E+21	1,180066E+22
-127	1,590339E+22	1,939403E+22	2,140058E+22	2,139993E+22	1,939269E+22	1,590226E+22	1,180005E+22	8,185399E+21	6,090385E+21	6,090459E+21	8,185582E+21	1,180024E+22
-126	1,590250E+22	1,939287E+22	2,139980E+22	2,140013E+22	1,939339E+22	1,590287E+22	1,180057E+22	8,185818E+21	6,090573E+21	6,090387E+21	8,185303E+21	1,179992E+22
-125	1,590252E+22	1,939362E+22	2,140089E+22	2,140096E+22	1,939374E+22	1,590266E+22	1,180001E+22	8,185317E+21	6,090342E+21	6,090461E+21	8,185695E+21	1,180055E+22
-124	1,590299E+22	1,939356E+22	2,140038E+22	2,140014E+22	1,939315E+22	1,590262E+22	1,180016E+22	8,185310E+21	6,090159E+21	6,090175E+21	8,185325E+21	1,180002E+22
-123	1,590218E+22	1,939259E+22	2,139991E+22	2,140059E+22	1,939391E+22	1,590323E+22	1,180057E+22	8,185495E+21	6,090119E+21	6,089972E+21	8,185091E+21	1,180006E+22
-122	1,590297E+22	1,939402E+22	2,140095E+22	2,140084E+22	1,939365E+22	1,590271E+22	1,179995E+22	8,184931E+21	6,089747E+21	6,089861E+21	8,185233E+21	1,180026E+22
-121	1,590288E+22	1,939359E+22	2,140036E+22	2,140024E+22	1,939345E+22	1,590287E+22	1,180021E+22	8,185073E+21	6,089638E+21	6,089489E+21	8,184644E+21	1,179960E+22

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	1,590236E+22	1,939352E+22	2,140098E+22	2,140116E+22	1,939401E+22	1,590302E+22	1,180009E+22	8,184866E+21	6,089479E+21	6,089437E+21	8,184782E+21	1,180010E+22
-119	1,590330E+22	1,939448E+22	2,140155E+22	2,140121E+22	1,939357E+22	1,590239E+22	1,179954E+22	8,184458E+21	6,089230E+21	6,089358E+21	8,184807E+21	1,179993E+22
-118	1,590265E+22	1,939344E+22	2,140055E+22	2,140099E+22	1,939413E+22	1,590308E+22	1,180006E+22	8,184744E+21	6,089241E+21	6,089130E+21	8,184446E+21	1,179961E+22
-117	1,590261E+22	1,939400E+22	2,140154E+22	2,140173E+22	1,939443E+22	1,590303E+22	1,179976E+22	8,184429E+21	6,089102E+21	6,089212E+21	8,184788E+21	1,180030E+22
-116	1,590341E+22	1,939440E+22	2,140135E+22	2,140093E+22	1,939356E+22	1,590268E+22	1,179980E+22	8,184532E+21	6,089156E+21	6,089217E+21	8,184652E+21	1,179983E+22
-115	1,590256E+22	1,939326E+22	2,140047E+22	2,140091E+22	1,939400E+22	1,590319E+22	1,180039E+22	8,185139E+21	6,089625E+21	6,089447E+21	8,184614E+21	1,179967E+22
-114	1,590281E+22	1,939425E+22	2,140143E+22	2,140128E+22	1,939388E+22	1,590273E+22	1,179990E+22	8,184913E+21	6,089767E+21	6,089893E+21	8,185240E+21	1,180021E+22
-113	1,590280E+22	1,939358E+22	2,140045E+22	2,140027E+22	1,939334E+22	1,590271E+22	1,180017E+22	8,185313E+21	6,090128E+21	6,090102E+21	8,185196E+21	1,179985E+22
-112	1,590211E+22	1,939270E+22	2,139995E+22	2,140037E+22	1,939362E+22	1,590301E+22	1,180047E+22	8,185621E+21	6,090476E+21	6,090454E+21	8,185567E+21	1,180041E+22
-111	1,590302E+22	1,939366E+22	2,140038E+22	2,140014E+22	1,939293E+22	1,590228E+22	1,180002E+22	8,185479E+21	6,090598E+21	6,090771E+21	8,185963E+21	1,180059E+22
-110	1,590265E+22	1,939273E+22	2,139915E+22	2,139926E+22	1,939282E+22	1,590267E+22	1,180061E+22	8,186048E+21	6,090950E+21	6,090828E+21	8,185701E+21	1,180011E+22
-109	1,590225E+22	1,939289E+22	2,139997E+22	2,140004E+22	1,939313E+22	1,590265E+22	1,180046E+22	8,185976E+21	6,091053E+21	6,091067E+21	8,186060E+21	1,180069E+22
-108	1,590304E+22	1,939352E+22	2,140015E+22	2,139967E+22	1,939246E+22	1,590213E+22	1,180021E+22	8,185891E+21	6,091063E+21	6,091163E+21	8,186124E+21	1,180039E+22
-107	1,590214E+22	1,939216E+22	2,139892E+22	2,139945E+22	1,939305E+22	1,590283E+22	1,180080E+22	8,186330E+21	6,091279E+21	6,091117E+21	8,185873E+21	1,180013E+22
-106	1,590224E+22	1,939300E+22	2,140007E+22	2,140015E+22	1,939330E+22	1,590271E+22	1,180037E+22	8,185858E+21	6,091005E+21	6,091117E+21	8,186193E+21	1,180076E+22
-105	1,590277E+22	1,939292E+22	2,139952E+22	2,139942E+22	1,939272E+22	1,590253E+22	1,180044E+22	8,185871E+21	6,090843E+21	6,090817E+21	8,185755E+21	1,180019E+22
-104	1,590217E+22	1,939231E+22	2,139913E+22	2,139964E+22	1,939320E+22	1,590293E+22	1,180069E+22	8,185954E+21	6,090756E+21	6,090607E+21	8,185557E+21	1,180026E+22
-103	1,590290E+22	1,939378E+22	2,140050E+22	2,140019E+22	1,939298E+22	1,590229E+22	1,179999E+22	8,185382E+21	6,090402E+21	6,090500E+21	8,185688E+21	1,180040E+22
-102	1,590265E+22	1,939314E+22	2,139983E+22	2,139973E+22	1,939298E+22	1,590258E+22	1,180028E+22	8,185507E+21	6,090279E+21	6,090164E+21	8,185182E+21	1,179980E+22
-101	1,590211E+22	1,939298E+22	2,140049E+22	2,140081E+22	1,939371E+22	1,590283E+22	1,180015E+22	8,185238E+21	6,090063E+21	6,090056E+21	8,185276E+21	1,180033E+22
-100	1,590314E+22	1,939400E+22	2,140094E+22	2,140074E+22	1,939331E+22	1,590236E+22	1,179973E+22	8,184848E+21	6,089764E+21	6,089945E+21	8,185316E+21	1,180021E+22
-99	1,590259E+22	1,939296E+22	2,139965E+22	2,140009E+22	1,939359E+22	1,590299E+22	1,180036E+22	8,185302E+21	6,089922E+21	6,089783E+21	8,184913E+21	1,179979E+22
-98	1,590250E+22	1,939369E+22	2,140092E+22	2,140088E+22	1,939383E+22	1,590294E+22	1,180012E+22	8,185084E+21	6,089883E+21	6,089918E+21	8,185222E+21	1,180034E+22
-97	1,590308E+22	1,939387E+22	2,140074E+22	2,140034E+22	1,939306E+22	1,590246E+22	1,180006E+22	8,185217E+21	6,090041E+21	6,090045E+21	8,185155E+21	1,179987E+22
-96	1,590225E+22	1,939272E+22	2,139968E+22	2,140013E+22	1,939341E+22	1,590288E+22	1,180052E+22	8,185715E+21	6,090475E+21	6,090333E+21	8,185297E+21	1,179992E+22
-95	1,590249E+22	1,939358E+22	2,140063E+22	2,140054E+22	1,939333E+22	1,590244E+22	1,180001E+22	8,185461E+21	6,090584E+21	6,090738E+21	8,185916E+21	1,180052E+22
-94	1,590255E+22	1,939282E+22	2,139943E+22	2,139936E+22	1,939275E+22	1,590253E+22	1,180042E+22	8,185893E+21	6,090913E+21	6,090918E+21	8,185862E+21	1,180020E+22
-93	1,590199E+22	1,939214E+22	2,139917E+22	2,139962E+22	1,939303E+22	1,590276E+22	1,180066E+22	8,186185E+21	6,091225E+21	6,091182E+21	8,186096E+21	1,180065E+22
-92	1,590295E+22	1,939330E+22	2,139978E+22	2,139947E+22	1,939241E+22	1,590209E+22	1,180023E+22	8,186030E+21	6,091325E+21	6,091503E+21	8,186506E+21	1,180078E+22
-91	1,590248E+22	1,939229E+22	2,139844E+22	2,139845E+22	1,939219E+22	1,590243E+22	1,180085E+22	8,186671E+21	6,091773E+21	6,091633E+21	8,186265E+21	1,180026E+22
-90	1,590196E+22	1,939239E+22	2,139938E+22	2,139943E+22	1,939270E+22	1,590252E+22	1,180070E+22	8,186576E+21	6,091857E+21	6,091860E+21	8,186625E+21	1,180083E+22
-89	1,590265E+22	1,939275E+22	2,139934E+22	2,139914E+22	1,939222E+22	1,590208E+22	1,180044E+22	8,186445E+21	6,091827E+21	6,091930E+21	8,186674E+21	1,180061E+22
-88	1,590201E+22	1,939162E+22	2,139797E+22	2,139851E+22	1,939248E+22	1,590267E+22	1,180098E+22	8,186789E+21	6,091925E+21	6,091802E+21	8,186437E+21	1,180044E+22
-87	1,590218E+22	1,939257E+22	2,139932E+22	2,139928E+22	1,939263E+22	1,590241E+22	1,180053E+22	8,186354E+21	6,091642E+21	6,091713E+21	8,186614E+21	1,180092E+22
-86	1,590266E+22	1,939254E+22	2,139887E+22	2,139862E+22	1,939209E+22	1,590227E+22	1,180062E+22	8,186378E+21	6,091495E+21	6,091438E+21	8,186179E+21	1,180031E+22
-85	1,590198E+22	1,939196E+22	2,139879E+22	2,139921E+22	1,939267E+22	1,590257E+22	1,180074E+22	8,186383E+21	6,091372E+21	6,091205E+21	8,185956E+21	1,180033E+22

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	1,590265E+22	1,939335E+22	2,140010E+22	2,139990E+22	1,939275E+22	1,590212E+22	1,180006E+22	8,185747E+21	6,090960E+21	6,091116E+21	8,186199E+21	1,180060E+22
-83	1,590243E+22	1,939258E+22	2,139909E+22	2,139908E+22	1,939263E+22	1,590250E+22	1,180045E+22	8,185937E+21	6,090889E+21	6,090808E+21	8,185704E+21	1,180006E+22
-82	1,590197E+22	1,939250E+22	2,139980E+22	2,140009E+22	1,939332E+22	1,590283E+22	1,180044E+22	8,185747E+21	6,090692E+21	6,090663E+21	8,185715E+21	1,180050E+22
-81	1,590297E+22	1,939347E+22	2,140024E+22	2,140014E+22	1,939298E+22	1,590230E+22	1,180003E+22	8,185440E+21	6,090485E+21	6,090600E+21	8,185712E+21	1,180033E+22
-80	1,590253E+22	1,939268E+22	2,139895E+22	2,139919E+22	1,939292E+22	1,590272E+22	1,180054E+22	8,185859E+21	6,090678E+21	6,090526E+21	8,185426E+21	1,179993E+22
-79	1,590224E+22	1,939322E+22	2,140036E+22	2,140019E+22	1,939318E+22	1,590257E+22	1,180027E+22	8,185699E+21	6,090713E+21	6,090716E+21	8,185767E+21	1,180044E+22
-78	1,590269E+22	1,939316E+22	2,139996E+22	2,139969E+22	1,939261E+22	1,590222E+22	1,180022E+22	8,185807E+21	6,090888E+21	6,090926E+21	8,185849E+21	1,180015E+22
-77	1,590193E+22	1,939197E+22	2,139888E+22	2,139944E+22	1,939292E+22	1,590264E+22	1,180064E+22	8,186222E+21	6,091242E+21	6,091145E+21	8,185955E+21	1,180027E+22
-76	1,590237E+22	1,939294E+22	2,139974E+22	2,139974E+22	1,939285E+22	1,590231E+22	1,180023E+22	8,185967E+21	6,091281E+21	6,091499E+21	8,186571E+21	1,180090E+22
-75	1,590253E+22	1,939232E+22	2,139847E+22	2,139828E+22	1,939199E+22	1,590229E+22	1,180068E+22	8,186519E+21	6,091712E+21	6,091696E+21	8,186435E+21	1,180046E+22
-74	1,590192E+22	1,939183E+22	2,139856E+22	2,139874E+22	1,939235E+22	1,590255E+22	1,180093E+22	8,186840E+21	6,092064E+21	6,091963E+21	8,186591E+21	1,180073E+22
-73	1,590265E+22	1,939279E+22	2,139922E+22	2,139896E+22	1,939201E+22	1,590190E+22	1,180046E+22	8,186682E+21	6,092197E+21	6,092330E+21	8,187012E+21	1,180086E+22
-72	1,590223E+22	1,939178E+22	2,139772E+22	2,139774E+22	1,939172E+22	1,590221E+22	1,180098E+22	8,187200E+21	6,092560E+21	6,092459E+21	8,186897E+21	1,180048E+22
-71	1,590167E+22	1,939173E+22	2,139863E+22	2,139877E+22	1,939227E+22	1,590235E+22	1,180089E+22	8,187112E+21	6,092584E+21	6,092581E+21	8,187171E+21	1,180106E+22
-70	1,590242E+22	1,939205E+22	2,139843E+22	2,139834E+22	1,939177E+22	1,590200E+22	1,180072E+22	8,186991E+21	6,092511E+21	6,092612E+21	8,187204E+21	1,180086E+22
-69	1,590186E+22	1,939111E+22	2,139732E+22	2,139778E+22	1,939193E+22	1,590245E+22	1,180116E+22	8,187281E+21	6,092554E+21	6,092397E+21	8,186855E+21	1,180061E+22
-68	1,590210E+22	1,939223E+22	2,139879E+22	2,139864E+22	1,939213E+22	1,590223E+22	1,180069E+22	8,186795E+21	6,092235E+21	6,092323E+21	8,187070E+21	1,180106E+22
-67	1,590248E+22	1,939213E+22	2,139827E+22	2,139791E+22	1,939149E+22	1,590199E+22	1,180076E+22	8,186880E+21	6,092179E+21	6,092125E+21	8,186683E+21	1,180047E+22
-66	1,590177E+22	1,939154E+22	2,139830E+22	2,139870E+22	1,939232E+22	1,590241E+22	1,180085E+22	8,186835E+21	6,092036E+21	6,091880E+21	8,186459E+21	1,180051E+22
-65	1,590241E+22	1,939274E+22	2,139942E+22	2,139942E+22	1,939253E+22	1,590207E+22	1,180022E+22	8,186190E+21	6,091601E+21	6,091763E+21	8,186659E+21	1,180083E+22
-64	1,590242E+22	1,939217E+22	2,139830E+22	2,139822E+22	1,939210E+22	1,590233E+22	1,180060E+22	8,186351E+21	6,091478E+21	6,091425E+21	8,186194E+21	1,180032E+22
-63	1,590194E+22	1,939215E+22	2,139921E+22	2,139936E+22	1,939273E+22	1,590255E+22	1,180061E+22	8,186264E+21	6,091338E+21	6,091248E+21	8,186084E+21	1,180057E+22
-62	1,590276E+22	1,939302E+22	2,139962E+22	2,139943E+22	1,939244E+22	1,590210E+22	1,180025E+22	8,186008E+21	6,091220E+21	6,091301E+21	8,186170E+21	1,180038E+22
-61	1,590218E+22	1,939215E+22	2,139852E+22	2,139869E+22	1,939241E+22	1,590244E+22	1,180067E+22	8,186385E+21	6,091425E+21	6,091272E+21	8,185950E+21	1,180005E+22
-60	1,590191E+22	1,939255E+22	2,139967E+22	2,139966E+22	1,939287E+22	1,590245E+22	1,180042E+22	8,186174E+21	6,091431E+21	6,091515E+21	8,186423E+21	1,180070E+22
-59	1,590241E+22	1,939239E+22	2,139894E+22	2,139874E+22	1,939206E+22	1,590211E+22	1,180048E+22	8,186388E+21	6,091680E+21	6,091756E+21	8,186530E+21	1,180051E+22
-58	1,590184E+22	1,939139E+22	2,139798E+22	2,139849E+22	1,939233E+22	1,590251E+22	1,180091E+22	8,186838E+21	6,092039E+21	6,091922E+21	8,186533E+21	1,180055E+22
-57	1,590229E+22	1,939241E+22	2,139891E+22	2,139890E+22	1,939230E+22	1,590214E+22	1,180051E+22	8,186632E+21	6,092130E+21	6,092286E+21	8,187073E+21	1,180110E+22
-56	1,590255E+22	1,939205E+22	2,139780E+22	2,139732E+22	1,939121E+22	1,590195E+22	1,180085E+22	8,187116E+21	6,092546E+21	6,092530E+21	8,187029E+21	1,180065E+22
-55	1,590172E+22	1,939141E+22	2,139808E+22	2,139814E+22	1,939171E+22	1,590216E+22	1,180107E+22	8,187464E+21	6,092911E+21	6,092784E+21	8,187155E+21	1,180084E+22
-54	1,590227E+22	1,939210E+22	2,139850E+22	2,139838E+22	1,939167E+22	1,590176E+22	1,180065E+22	8,187264E+21	6,093025E+21	6,093185E+21	8,187665E+21	1,180108E+22
-53	1,590188E+22	1,939106E+22	2,139702E+22	2,139711E+22	1,939132E+22	1,590209E+22	1,180116E+22	8,187692E+21	6,093269E+21	6,093198E+21	8,187479E+21	1,180076E+22
-52	1,590152E+22	1,939108E+22	2,139777E+22	2,139801E+22	1,939185E+22	1,590230E+22	1,180114E+22	8,187594E+21	6,093219E+21	6,093253E+21	8,187707E+21	1,180129E+22
-51	1,590231E+22	1,939155E+22	2,139755E+22	2,139735E+22	1,939108E+22	1,590181E+22	1,180099E+22	8,187580E+21	6,093232E+21	6,093290E+21	8,187680E+21	1,180104E+22
-50	1,590176E+22	1,939078E+22	2,139674E+22	2,139700E+22	1,939129E+22	1,590221E+22	1,180134E+22	8,187834E+21	6,093274E+21	6,093065E+21	8,187273E+21	1,180067E+22
-49	1,590183E+22	1,939173E+22	2,139828E+22	2,139819E+22	1,939176E+22	1,590202E+22	1,180083E+22	8,187309E+21	6,092950E+21	6,093012E+21	8,187512E+21	1,180117E+22

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	1,590233E+22	1,939170E+22	2,139766E+22	2,139728E+22	1,939102E+22	1,590174E+22	1,180079E+22	8,187242E+21	6,092792E+21	6,092806E+21	8,187244E+21	1,180072E+22
-47	1,590160E+22	1,939103E+22	2,139770E+22	2,139812E+22	1,939188E+22	1,590221E+22	1,180096E+22	8,187237E+21	6,092602E+21	6,092463E+21	8,186910E+21	1,180071E+22
-46	1,590226E+22	1,939219E+22	2,139869E+22	2,139877E+22	1,939219E+22	1,590202E+22	1,180044E+22	8,186650E+21	6,092192E+21	6,092352E+21	8,187097E+21	1,180100E+22
-45	1,590229E+22	1,939179E+22	2,139782E+22	2,139761E+22	1,939161E+22	1,590216E+22	1,180077E+22	8,186806E+21	6,092077E+21	6,091993E+21	8,186572E+21	1,180043E+22
-44	1,590181E+22	1,939176E+22	2,139868E+22	2,139878E+22	1,939228E+22	1,590243E+22	1,180082E+22	8,186745E+21	6,091985E+21	6,091913E+21	8,186548E+21	1,180063E+22
-43	1,590244E+22	1,939245E+22	2,139895E+22	2,139873E+22	1,939187E+22	1,590188E+22	1,180047E+22	8,186605E+21	6,092012E+21	6,092093E+21	8,186757E+21	1,180056E+22
-42	1,590188E+22	1,939150E+22	2,139778E+22	2,139800E+22	1,939198E+22	1,590229E+22	1,180084E+22	8,186947E+21	6,092228E+21	6,092093E+21	8,186579E+21	1,180030E+22
-41	1,590167E+22	1,939180E+22	2,139872E+22	2,139888E+22	1,939245E+22	1,590238E+22	1,180067E+22	8,186751E+21	6,092226E+21	6,092318E+21	8,187024E+21	1,180103E+22
-40	1,590246E+22	1,939193E+22	2,139798E+22	2,139763E+22	1,939127E+22	1,590182E+22	1,180065E+22	8,186929E+21	6,092443E+21	6,092551E+21	8,187164E+21	1,180085E+22
-39	1,590186E+22	1,939107E+22	2,139734E+22	2,139763E+22	1,939154E+22	1,590211E+22	1,180108E+22	8,187454E+21	6,092836E+21	6,092671E+21	8,187031E+21	1,180069E+22
-38	1,590212E+22	1,939199E+22	2,139832E+22	2,139821E+22	1,939171E+22	1,590188E+22	1,180071E+22	8,187265E+21	6,092986E+21	6,093119E+21	8,187630E+21	1,180119E+22
-37	1,590218E+22	1,939152E+22	2,139741E+22	2,139689E+22	1,939075E+22	1,590168E+22	1,180098E+22	8,187671E+21	6,093351E+21	6,093345E+21	8,187609E+21	1,180080E+22
-36	1,590140E+22	1,939072E+22	2,139738E+22	2,139765E+22	1,939148E+22	1,590213E+22	1,180128E+22	8,187964E+21	6,093651E+21	6,093597E+21	8,187795E+21	1,180103E+22
-35	1,590192E+22	1,939129E+22	2,139750E+22	2,139750E+22	1,939118E+22	1,590175E+22	1,180100E+22	8,187885E+21	6,093811E+21	6,093976E+21	8,188288E+21	1,180137E+22
-34	1,590172E+22	1,939043E+22	2,139610E+22	2,139624E+22	1,939082E+22	1,590205E+22	1,180148E+22	8,188315E+21	6,094036E+21	6,093925E+21	8,187997E+21	1,180097E+22
-33	1,590140E+22	1,939053E+22	2,139690E+22	2,139716E+22	1,939130E+22	1,590217E+22	1,180142E+22	8,188210E+21	6,093989E+21	6,093956E+21	8,188147E+21	1,180144E+22
-32	1,590228E+22	1,939121E+22	2,139685E+22	2,139641E+22	1,939027E+22	1,590143E+22	1,180110E+22	8,188085E+21	6,093956E+21	6,094028E+21	8,188231E+21	1,180123E+22
-31	1,590161E+22	1,939041E+22	2,139631E+22	2,139649E+22	1,939067E+22	1,590175E+22	1,180136E+22	8,188292E+21	6,093944E+21	6,093745E+21	8,187779E+21	1,180083E+22
-30	1,590158E+22	1,939116E+22	2,139763E+22	2,139768E+22	1,939142E+22	1,590185E+22	1,180090E+22	8,187703E+21	6,093575E+21	6,093692E+21	8,188068E+21	1,180141E+22
-29	1,590212E+22	1,939120E+22	2,139715E+22	2,139678E+22	1,939064E+22	1,590161E+22	1,180088E+22	8,187563E+21	6,093292E+21	6,093353E+21	8,187699E+21	1,180097E+22
-28	1,590159E+22	1,939064E+22	2,139708E+22	2,139753E+22	1,939153E+22	1,590217E+22	1,180116E+22	8,187594E+21	6,093091E+21	6,092984E+21	8,187295E+21	1,180081E+22
-27	1,590212E+22	1,939181E+22	2,139801E+22	2,139797E+22	1,939161E+22	1,590191E+22	1,180073E+22	8,187200E+21	6,092846E+21	6,092944E+21	8,187466E+21	1,180105E+22
-26	1,590208E+22	1,939142E+22	2,139730E+22	2,139702E+22	1,939114E+22	1,590201E+22	1,180099E+22	8,187376E+21	6,092810E+21	6,092672E+21	8,186982E+21	1,180044E+22
-25	1,590145E+22	1,939112E+22	2,139799E+22	2,139828E+22	1,939195E+22	1,590231E+22	1,180105E+22	8,187334E+21	6,092775E+21	6,092673E+21	8,187059E+21	1,180076E+22
-24	1,590220E+22	1,939181E+22	2,139808E+22	2,139790E+22	1,939130E+22	1,590166E+22	1,180060E+22	8,187105E+21	6,092766E+21	6,092913E+21	8,187444E+21	1,180090E+22
-23	1,590173E+22	1,939091E+22	2,139699E+22	2,139722E+22	1,939132E+22	1,590199E+22	1,180101E+22	8,187489E+21	6,092957E+21	6,092843E+21	8,187177E+21	1,180060E+22
-22	1,590157E+22	1,939125E+22	2,139785E+22	2,139802E+22	1,939185E+22	1,590219E+22	1,180090E+22	8,187335E+21	6,093003E+21	6,093097E+21	8,187618E+21	1,180129E+22
-21	1,590236E+22	1,939159E+22	2,139746E+22	2,139690E+22	1,939061E+22	1,590153E+22	1,180080E+22	8,187461E+21	6,093195E+21	6,093299E+21	8,187697E+21	1,180104E+22
-20	1,590174E+22	1,939070E+22	2,139682E+22	2,139703E+22	1,939103E+22	1,590192E+22	1,180127E+22	8,187988E+21	6,093613E+21	6,093487E+21	8,187606E+21	1,180078E+22
-19	1,590177E+22	1,939137E+22	2,139762E+22	2,139756E+22	1,939122E+22	1,590171E+22	1,180097E+22	8,187929E+21	6,093876E+21	6,094006E+21	8,188287E+21	1,180140E+22
-18	1,590185E+22	1,939078E+22	2,139655E+22	2,139625E+22	1,939042E+22	1,590163E+22	1,180122E+22	8,188290E+21	6,094211E+21	6,094210E+21	8,188255E+21	1,180104E+22
-17	1,590112E+22	1,938989E+22	2,139630E+22	2,139683E+22	1,939110E+22	1,590216E+22	1,180165E+22	8,188609E+21	6,094469E+21	6,094393E+21	8,188383E+21	1,180132E+22
-16	1,590188E+22	1,939074E+22	2,139648E+22	2,139637E+22	1,939037E+22	1,590149E+22	1,180123E+22	8,188466E+21	6,094574E+21	6,094743E+21	8,188885E+21	1,180166E+22
-15	1,590167E+22	1,939005E+22	2,139541E+22	2,139533E+22	1,938993E+22	1,590160E+22	1,180164E+22	8,188900E+21	6,094779E+21	6,094624E+21	8,188465E+21	1,180110E+22
-14	1,590121E+22	1,939011E+22	2,139629E+22	2,139646E+22	1,939067E+22	1,590186E+22	1,180155E+22	8,188738E+21	6,094732E+21	6,094700E+21	8,188667E+21	1,180154E+22
-13	1,590198E+22	1,939081E+22	2,139648E+22	2,139599E+22	1,938981E+22	1,590111E+22	1,180110E+22	8,188458E+21	6,094571E+21	6,094685E+21	8,188741E+21	1,180142E+22

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	1,590143E+22	1,938994E+22	2,139575E+22	2,139609E+22	1,939045E+22	1,590168E+22	1,180144E+22	8,188592E+21	6,094466E+21	6,094353E+21	8,188274E+21	1,180100E+22
-11	1,590137E+22	1,939061E+22	2,139689E+22	2,139702E+22	1,939103E+22	1,590183E+22	1,180117E+22	8,188168E+21	6,094152E+21	6,094262E+21	8,188510E+21	1,180163E+22
-10	1,590202E+22	1,939075E+22	2,139647E+22	2,139620E+22	1,939032E+22	1,590158E+22	1,180114E+22	8,188066E+21	6,093895E+21	6,093897E+21	8,188042E+21	1,180105E+22
-9	1,590144E+22	1,939022E+22	2,139641E+22	2,139690E+22	1,939114E+22	1,590215E+22	1,180148E+22	8,188168E+21	6,093769E+21	6,093579E+21	8,187641E+21	1,180085E+22
-8	1,590193E+22	1,939142E+22	2,139739E+22	2,139719E+22	1,939092E+22	1,590162E+22	1,180091E+22	8,187734E+21	6,093571E+21	6,093673E+21	8,187993E+21	1,180118E+22
-7	1,590179E+22	1,939091E+22	2,139674E+22	2,139649E+22	1,939054E+22	1,590162E+22	1,180110E+22	8,187912E+21	6,093555E+21	6,093433E+21	8,187563E+21	1,180063E+22
-6	1,590116E+22	1,939043E+22	2,139711E+22	2,139757E+22	1,939151E+22	1,590215E+22	1,180119E+22	8,187828E+21	6,093524E+21	6,093485E+21	8,187735E+21	1,180108E+22
-5	1,590201E+22	1,939126E+22	2,139734E+22	2,139714E+22	1,939073E+22	1,590143E+22	1,180072E+22	8,187537E+21	6,093416E+21	6,093619E+21	8,188051E+21	1,180128E+22
-4	1,590179E+22	1,939055E+22	2,139627E+22	2,139646E+22	1,939076E+22	1,590179E+22	1,180117E+22	8,187931E+21	6,093609E+21	6,093539E+21	8,187702E+21	1,180079E+22
-3	1,590147E+22	1,939088E+22	2,139716E+22	2,139716E+22	1,939114E+22	1,590195E+22	1,180116E+22	8,187966E+21	6,093803E+21	6,093853E+21	8,188131E+21	1,180142E+22
-2	1,590214E+22	1,939116E+22	2,139691E+22	2,139639E+22	1,939018E+22	1,590135E+22	1,180102E+22	8,188094E+21	6,094046E+21	6,094112E+21	8,188221E+21	1,180110E+22
-1	1,590137E+22	1,939005E+22	2,139608E+22	2,139651E+22	1,939074E+22	1,590187E+22	1,180156E+22	8,188642E+21	6,094486E+21	6,094333E+21	8,188195E+21	1,180094E+22
1	1,590144E+22	1,939062E+22	2,139663E+22	2,139666E+22	1,939065E+22	1,590158E+22	1,180123E+22	8,188535E+21	6,094717E+21	6,094885E+21	8,188989E+21	1,180171E+22
2	1,590165E+22	1,939009E+22	2,139562E+22	2,139540E+22	1,938976E+22	1,590140E+22	1,180152E+22	8,188933E+21	6,095010E+21	6,095000E+21	8,188861E+21	1,180132E+22
3	1,590099E+22	1,938927E+22	2,139526E+22	2,139583E+22	1,939044E+22	1,590197E+22	1,180192E+22	8,189242E+21	6,095282E+21	6,095189E+21	8,188972E+21	1,180155E+22
4	1,590171E+22	1,939036E+22	2,139587E+22	2,139552E+22	1,938961E+22	1,590114E+22	1,180137E+22	8,188985E+21	6,095294E+21	6,095458E+21	8,189410E+21	1,180187E+22
5	1,590157E+22	1,938974E+22	2,139494E+22	2,139475E+22	1,938935E+22	1,590127E+22	1,180170E+22	8,189324E+21	6,095453E+21	6,095350E+21	8,188992E+21	1,180120E+22
6	1,590091E+22	1,938961E+22	2,139570E+22	2,139589E+22	1,939017E+22	1,590160E+22	1,180168E+22	8,189240E+21	6,095445E+21	6,095427E+21	8,189231E+21	1,180177E+22
7	1,590175E+22	1,939024E+22	2,139579E+22	2,139555E+22	1,938963E+22	1,590106E+22	1,180124E+22	8,188888E+21	6,095204E+21	6,095333E+21	8,189226E+21	1,180163E+22
8	1,590127E+22	1,938939E+22	2,139496E+22	2,139548E+22	1,939020E+22	1,590175E+22	1,180174E+22	8,189082E+21	6,095066E+21	6,094915E+21	8,188673E+21	1,180120E+22
9	1,590132E+22	1,939022E+22	2,139612E+22	2,139615E+22	1,939041E+22	1,590165E+22	1,180141E+22	8,188675E+21	6,094777E+21	6,094853E+21	8,188925E+21	1,180177E+22
10	1,590190E+22	1,939044E+22	2,139596E+22	2,139557E+22	1,938966E+22	1,590126E+22	1,180135E+22	8,188616E+21	6,094560E+21	6,094506E+21	8,188416E+21	1,180108E+22
11	1,590114E+22	1,938973E+22	2,139578E+22	2,139631E+22	1,939066E+22	1,590193E+22	1,180165E+22	8,188704E+21	6,094504E+21	6,094317E+21	8,188166E+21	1,180093E+22
12	1,590151E+22	1,939087E+22	2,139686E+22	2,139669E+22	1,939049E+22	1,590135E+22	1,180096E+22	8,188141E+21	6,094219E+21	6,094380E+21	8,188580E+21	1,180144E+22
13	1,590160E+22	1,939034E+22	2,139601E+22	2,139589E+22	1,939018E+22	1,590150E+22	1,180120E+22	8,188270E+21	6,094163E+21	6,094142E+21	8,188159E+21	1,180091E+22
14	1,590101E+22	1,938987E+22	2,139626E+22	2,139673E+22	1,939095E+22	1,590200E+22	1,180145E+22	8,188371E+21	6,094216E+21	6,094183E+21	8,188303E+21	1,180141E+22
15	1,590201E+22	1,939086E+22	2,139656E+22	2,139641E+22	1,939027E+22	1,590127E+22	1,180094E+22	8,188095E+21	6,094141E+21	6,094298E+21	8,188510E+21	1,180146E+22
16	1,590169E+22	1,939019E+22	2,139559E+22	2,139575E+22	1,939028E+22	1,590169E+22	1,180147E+22	8,188565E+21	6,094399E+21	6,094258E+21	8,188167E+21	1,180092E+22
17	1,590128E+22	1,939045E+22	2,139652E+22	2,139641E+22	1,939045E+22	1,590162E+22	1,180136E+22	8,188590E+21	6,094652E+21	6,094700E+21	8,188744E+21	1,180159E+22
18	1,590182E+22	1,939054E+22	2,139624E+22	2,139581E+22	1,938962E+22	1,590103E+22	1,180121E+22	8,188728E+21	6,094906E+21	6,094980E+21	8,188868E+21	1,180131E+22
19	1,590102E+22	1,938926E+22	2,139506E+22	2,139568E+22	1,939030E+22	1,590180E+22	1,180183E+22	8,189261E+21	6,095348E+21	6,095238E+21	8,188914E+21	1,180123E+22
20	1,590116E+22	1,938998E+22	2,139576E+22	2,139573E+22	1,939000E+22	1,590137E+22	1,180144E+22	8,189083E+21	6,095468E+21	6,095660E+21	8,189608E+21	1,180204E+22
21	1,590161E+22	1,938966E+22	2,139480E+22	2,139450E+22	1,938909E+22	1,590115E+22	1,180170E+22	8,189461E+21	6,095752E+21	6,095754E+21	8,189391E+21	1,180148E+22
22	1,590082E+22	1,938886E+22	2,139454E+22	2,139493E+22	1,938967E+22	1,590164E+22	1,180214E+22	8,189878E+21	6,096097E+21	6,095958E+21	8,189501E+21	1,180171E+22
23	1,590148E+22	1,938988E+22	2,139527E+22	2,139501E+22	1,938920E+22	1,590087E+22	1,180149E+22	8,189534E+21	6,096066E+21	6,096206E+21	8,189910E+21	1,180198E+22
24	1,590127E+22	1,938918E+22	2,139430E+22	2,139430E+22	1,938912E+22	1,590122E+22	1,180190E+22	8,189834E+21	6,096156E+21	6,096043E+21	8,189514E+21	1,180142E+22

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°
25	1,590070E+22	1,938902E+22	2,139493E+22	2,139516E+22	1,938970E+22	1,590146E+22	1,180187E+22	8,189704E+21	6,096095E+21	6,096109E+21	8,189788E+21	1,180205E+22
26	1,590163E+22	1,938974E+22	2,139511E+22	2,139493E+22	1,938914E+22	1,590090E+22	1,180150E+22	8,189398E+21	6,095820E+21	6,095928E+21	8,189656E+21	1,180180E+22
27	1,590115E+22	1,938895E+22	2,139419E+22	2,139473E+22	1,938976E+22	1,590166E+22	1,180200E+22	8,189611E+21	6,095733E+21	6,095554E+21	8,189110E+21	1,180129E+22
28	1,590107E+22	1,938988E+22	2,139565E+22	2,139548E+22	1,938983E+22	1,590140E+22	1,180155E+22	8,189131E+21	6,095396E+21	6,095460E+21	8,189347E+21	1,180189E+22
29	1,590171E+22	1,939007E+22	2,139551E+22	2,139509E+22	1,938921E+22	1,590099E+22	1,180141E+22	8,189022E+21	6,095197E+21	6,095189E+21	8,188911E+21	1,180119E+22
30	1,590082E+22	1,938914E+22	2,139506E+22	2,139564E+22	1,939018E+22	1,590169E+22	1,180178E+22	8,189195E+21	6,095200E+21	6,095042E+21	8,188763E+21	1,180123E+22
31	1,590132E+22	1,939021E+22	2,139601E+22	2,139608E+22	1,939020E+22	1,590126E+22	1,180111E+22	8,188585E+21	6,094863E+21	6,095049E+21	8,189116E+21	1,180175E+22
32	1,590155E+22	1,938987E+22	2,139521E+22	2,139512E+22	1,938974E+22	1,590143E+22	1,180146E+22	8,188771E+21	6,094797E+21	6,094749E+21	8,188628E+21	1,180119E+22
33	1,590101E+22	1,938954E+22	2,139552E+22	2,139576E+22	1,939015E+22	1,590166E+22	1,180163E+22	8,188920E+21	6,094933E+21	6,094869E+21	8,188782E+21	1,180159E+22
34	1,590190E+22	1,939056E+22	2,139609E+22	2,139576E+22	1,938958E+22	1,590092E+22	1,180114E+22	8,188699E+21	6,094918E+21	6,095029E+21	8,188963E+21	1,180150E+22
35	1,590138E+22	1,938967E+22	2,139496E+22	2,139516E+22	1,938983E+22	1,590147E+22	1,180168E+22	8,189189E+21	6,095265E+21	6,095123E+21	8,188766E+21	1,180100E+22
36	1,590080E+22	1,938980E+22	2,139587E+22	2,139581E+22	1,939002E+22	1,590143E+22	1,180152E+22	8,189134E+21	6,095444E+21	6,095526E+21	8,189385E+21	1,180184E+22
37	1,590155E+22	1,938986E+22	2,139540E+22	2,139511E+22	1,938923E+22	1,590093E+22	1,180142E+22	8,189255E+21	6,095680E+21	6,095812E+21	8,189508E+21	1,180156E+22
38	1,590077E+22	1,938855E+22	2,139405E+22	2,139468E+22	1,938966E+22	1,590165E+22	1,180217E+22	8,189945E+21	6,096189E+21	6,096057E+21	8,189548E+21	1,180155E+22
39	1,590104E+22	1,938937E+22	2,139481E+22	2,139488E+22	1,938948E+22	1,590120E+22	1,180171E+22	8,189728E+21	6,096298E+21	6,096440E+21	8,190135E+21	1,180223E+22
40	1,590147E+22	1,938922E+22	2,139408E+22	2,139369E+22	1,938851E+22	1,590096E+22	1,180197E+22	8,190105E+21	6,096576E+21	6,096528E+21	8,189932E+21	1,180168E+22
41	1,590062E+22	1,938837E+22	2,139389E+22	2,139415E+22	1,938894E+22	1,590122E+22	1,180225E+22	8,190458E+21	6,096925E+21	6,096800E+21	8,190141E+21	1,180196E+22
42	1,590126E+22	1,938933E+22	2,139464E+22	2,139446E+22	1,938871E+22	1,590059E+22	1,180162E+22	8,190053E+21	6,096815E+21	6,096983E+21	8,190510E+21	1,180223E+22
43	1,590106E+22	1,938855E+22	2,139346E+22	2,139360E+22	1,938878E+22	1,590117E+22	1,180212E+22	8,190321E+21	6,096851E+21	6,096780E+21	8,190101E+21	1,180168E+22
44	1,590055E+22	1,938859E+22	2,139429E+22	2,139441E+22	1,938917E+22	1,590130E+22	1,180205E+22	8,190133E+21	6,096665E+21	6,096684E+21	8,190228E+21	1,180228E+22
45	1,590162E+22	1,938945E+22	2,139454E+22	2,139425E+22	1,938865E+22	1,590072E+22	1,180164E+22	8,189825E+21	6,096411E+21	6,096504E+21	8,190006E+21	1,180183E+22
46	1,590091E+22	1,938858E+22	2,139366E+22	2,139402E+22	1,938919E+22	1,590144E+22	1,180222E+22	8,190157E+21	6,096416E+21	6,096194E+21	8,189533E+21	1,180138E+22
47	1,590078E+22	1,938930E+22	2,139506E+22	2,139506E+22	1,938956E+22	1,590121E+22	1,180166E+22	8,189602E+21	6,096061E+21	6,096108E+21	8,189776E+21	1,180196E+22
48	1,590138E+22	1,938945E+22	2,139481E+22	2,139454E+22	1,938897E+22	1,590096E+22	1,180161E+22	8,189488E+21	6,095833E+21	6,095822E+21	8,189423E+21	1,180146E+22
49	1,590065E+22	1,938855E+22	2,139426E+22	2,139481E+22	1,938960E+22	1,590146E+22	1,180194E+22	8,189653E+21	6,095841E+21	6,095712E+21	8,189322E+21	1,180157E+22
50	1,590131E+22	1,938976E+22	2,139531E+22	2,139531E+22	1,938957E+22	1,590101E+22	1,180133E+22	8,189104E+21	6,095513E+21	6,095681E+21	8,189574E+21	1,180196E+22
51	1,590150E+22	1,938951E+22	2,139452E+22	2,139433E+22	1,938921E+22	1,590126E+22	1,180168E+22	8,189323E+21	6,095528E+21	6,095463E+21	8,189113E+21	1,180130E+22
52	1,590081E+22	1,938927E+22	2,139512E+22	2,139509E+22	1,938952E+22	1,590135E+22	1,180175E+22	8,189421E+21	6,095646E+21	6,095580E+21	8,189269E+21	1,180171E+22
53	1,590166E+22	1,939013E+22	2,139561E+22	2,139530E+22	1,938919E+22	1,590066E+22	1,180122E+22	8,189203E+21	6,095698E+21	6,095841E+21	8,189524E+21	1,180160E+22
54	1,590096E+22	1,938894E+22	2,139417E+22	2,139446E+22	1,938942E+22	1,590135E+22	1,180191E+22	8,189809E+21	6,096119E+21	6,096000E+21	8,189459E+21	1,180131E+22
55	1,590052E+22	1,938891E+22	2,139482E+22	2,139507E+22	1,938972E+22	1,590140E+22	1,180180E+22	8,189738E+21	6,096258E+21	6,096343E+21	8,189998E+21	1,180212E+22
56	1,590140E+22	1,938922E+22	2,139441E+22	2,139416E+22	1,938870E+22	1,590089E+22	1,180179E+22	8,189928E+21	6,096491E+21	6,096576E+21	8,190096E+21	1,180188E+22
57	1,590070E+22	1,938806E+22	2,139317E+22	2,139354E+22	1,938873E+22	1,590126E+22	1,180239E+22	8,190612E+21	6,097055E+21	6,096890E+21	8,190148E+21	1,180180E+22
58	1,590093E+22	1,938895E+22	2,139420E+22	2,139406E+22	1,938867E+22	1,590080E+22	1,180191E+22	8,190368E+21	6,097153E+21	6,097273E+21	8,190698E+21	1,180237E+22
59	1,590121E+22	1,938869E+22	2,139342E+22	2,139304E+22	1,938802E+22	1,590071E+22	1,180211E+22	8,190673E+21	6,097417E+21	6,097402E+21	8,190577E+21	1,180185E+22
60	1,590031E+22	1,938785E+22	2,139329E+22	2,139353E+22	1,938850E+22	1,590100E+22	1,180232E+22	8,190889E+21	6,097609E+21	6,097541E+21	8,190741E+21	1,180225E+22

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°
61	1,590115E+22	1,938883E+22	2,139398E+22	2,139388E+22	1,938839E+22	1,590051E+22	1,180177E+22	8,190476E+21	6,097450E+21	6,097651E+21	8,191005E+21	1,180243E+22
62	1,590091E+22	1,938804E+22	2,139271E+22	2,139281E+22	1,938829E+22	1,590108E+22	1,180241E+22	8,190880E+21	6,097519E+21	6,097408E+21	8,190554E+21	1,180188E+22
63	1,590043E+22	1,938806E+22	2,139356E+22	2,139380E+22	1,938883E+22	1,590122E+22	1,180230E+22	8,190668E+21	6,097320E+21	6,097268E+21	8,190561E+21	1,180230E+22
64	1,590139E+22	1,938905E+22	2,139402E+22	2,139366E+22	1,938821E+22	1,590061E+22	1,180190E+22	8,190365E+21	6,097070E+21	6,097107E+21	8,190418E+21	1,180192E+22
65	1,590061E+22	1,938802E+22	2,139304E+22	2,139330E+22	1,938853E+22	1,590107E+22	1,180231E+22	8,190653E+21	6,097124E+21	6,096917E+21	8,190089E+21	1,180159E+22
66	1,590055E+22	1,938868E+22	2,139435E+22	2,139441E+22	1,938908E+22	1,590101E+22	1,180179E+22	8,190046E+21	6,096720E+21	6,096808E+21	8,190327E+21	1,180221E+22
67	1,590124E+22	1,938887E+22	2,139397E+22	2,139376E+22	1,938853E+22	1,590085E+22	1,180178E+22	8,189930E+21	6,096481E+21	6,096520E+21	8,189982E+21	1,180172E+22
68	1,590061E+22	1,938823E+22	2,139365E+22	2,139401E+22	1,938895E+22	1,590117E+22	1,180202E+22	8,190057E+21	6,096420E+21	6,096301E+21	8,189772E+21	1,180181E+22
69	1,590135E+22	1,938956E+22	2,139486E+22	2,139469E+22	1,938904E+22	1,590073E+22	1,180140E+22	8,189547E+21	6,096167E+21	6,096314E+21	8,189955E+21	1,180199E+22
70	1,590125E+22	1,938911E+22	2,139407E+22	2,139373E+22	1,938868E+22	1,590103E+22	1,180187E+22	8,189898E+21	6,096290E+21	6,096202E+21	8,189613E+21	1,180139E+22
71	1,590046E+22	1,938857E+22	2,139447E+22	2,139472E+22	1,938933E+22	1,590126E+22	1,180194E+22	8,189975E+21	6,096421E+21	6,096347E+21	8,189786E+21	1,180178E+22
72	1,590127E+22	1,938940E+22	2,139481E+22	2,139467E+22	1,938895E+22	1,590074E+22	1,180155E+22	8,189799E+21	6,096474E+21	6,096619E+21	8,190150E+21	1,180189E+22
73	1,590070E+22	1,938817E+22	2,139317E+22	2,139345E+22	1,938874E+22	1,590118E+22	1,180221E+22	8,190460E+21	6,096964E+21	6,096855E+21	8,190144E+21	1,180169E+22
74	1,590047E+22	1,938828E+22	2,139384E+22	2,139405E+22	1,938899E+22	1,590120E+22	1,180212E+22	8,190417E+21	6,097113E+21	6,097171E+21	8,190594E+21	1,180238E+22
75	1,590131E+22	1,938871E+22	2,139351E+22	2,139314E+22	1,938799E+22	1,590066E+22	1,180205E+22	8,190607E+21	6,097393E+21	6,097466E+21	8,190725E+21	1,180207E+22
76	1,590055E+22	1,938775E+22	2,139264E+22	2,139272E+22	1,938792E+22	1,590081E+22	1,180247E+22	8,191160E+21	6,097863E+21	6,097718E+21	8,190767E+21	1,180204E+22
77	1,590078E+22	1,938852E+22	2,139367E+22	2,139351E+22	1,938815E+22	1,590044E+22	1,180192E+22	8,190859E+21	6,097949E+21	6,098104E+21	8,191302E+21	1,180254E+22
78	1,590091E+22	1,938806E+22	2,139271E+22	2,139241E+22	1,938762E+22	1,590058E+22	1,180229E+22	8,191201E+21	6,098177E+21	6,098200E+21	8,191220E+21	1,180216E+22
79	1,590016E+22	1,938716E+22	2,139245E+22	2,139294E+22	1,938823E+22	1,590098E+22	1,180256E+22	8,191379E+21	6,098270E+21	6,098194E+21	8,191198E+21	1,180241E+22
80	1,590102E+22	1,938837E+22	2,139322E+22	2,139311E+22	1,938799E+22	1,590054E+22	1,180212E+22	8,191043E+21	6,098096E+21	6,098229E+21	8,191407E+21	1,180257E+22
81	1,590074E+22	1,938759E+22	2,139205E+22	2,139196E+22	1,938757E+22	1,590080E+22	1,180262E+22	8,191459E+21	6,098245E+21	6,098076E+21	8,190987E+21	1,180198E+22
82	1,590021E+22	1,938756E+22	2,139297E+22	2,139315E+22	1,938821E+22	1,590095E+22	1,180250E+22	8,191213E+21	6,098041E+21	6,097962E+21	8,191003E+21	1,180232E+22
83	1,590103E+22	1,938841E+22	2,139333E+22	2,139308E+22	1,938783E+22	1,590045E+22	1,180204E+22	8,190857E+21	6,097785E+21	6,097860E+21	8,190985E+21	1,180206E+22
84	1,590033E+22	1,938751E+22	2,139242E+22	2,139265E+22	1,938801E+22	1,590082E+22	1,180234E+22	8,190994E+21	6,097695E+21	6,097559E+21	8,190647E+21	1,180191E+22
85	1,590052E+22	1,938826E+22	2,139369E+22	2,139377E+22	1,938862E+22	1,590081E+22	1,180186E+22	8,190408E+21	6,097289E+21	6,097408E+21	8,190784E+21	1,180243E+22
86	1,590119E+22	1,938848E+22	2,139331E+22	2,139303E+22	1,938802E+22	1,590070E+22	1,180197E+22	8,190407E+21	6,097100E+21	6,097130E+21	8,190441E+21	1,180194E+22
87	1,590057E+22	1,938783E+22	2,139307E+22	2,139349E+22	1,938859E+22	1,590104E+22	1,180220E+22	8,190533E+21	6,097058E+21	6,096899E+21	8,190129E+21	1,180183E+22
88	1,590114E+22	1,938921E+22	2,139441E+22	2,139420E+22	1,938867E+22	1,590066E+22	1,180167E+22	8,190106E+21	6,096864E+21	6,096977E+21	8,190429E+21	1,180210E+22
89	1,590091E+22	1,938848E+22	2,139341E+22	2,139309E+22	1,938813E+22	1,590076E+22	1,180204E+22	8,190483E+21	6,097106E+21	6,097031E+21	8,190253E+21	1,180165E+22
90	1,590020E+22	1,938779E+22	2,139356E+22	2,139395E+22	1,938886E+22	1,590119E+22	1,180223E+22	8,190566E+21	6,097233E+21	6,097190E+21	8,190437E+21	1,180204E+22
91	1,590106E+22	1,938866E+22	2,139377E+22	2,139371E+22	1,938840E+22	1,590069E+22	1,180188E+22	8,190433E+21	6,097311E+21	6,097482E+21	8,190818E+21	1,180217E+22
92	1,590063E+22	1,938775E+22	2,139234E+22	2,139239E+22	1,938787E+22	1,590082E+22	1,180238E+22	8,191033E+21	6,097747E+21	6,097639E+21	8,190737E+21	1,180198E+22
93	1,590048E+22	1,938799E+22	2,139321E+22	2,139320E+22	1,938822E+22	1,590080E+22	1,180221E+22	8,190994E+21	6,097951E+21	6,097983E+21	8,191120E+21	1,180248E+22
94	1,590107E+22	1,938826E+22	2,139293E+22	2,139244E+22	1,938732E+22	1,590031E+22	1,180220E+22	8,191216E+21	6,098254E+21	6,098328E+21	8,191348E+21	1,180225E+22
95	1,590025E+22	1,938705E+22	2,139194E+22	2,139230E+22	1,938764E+22	1,590064E+22	1,180259E+22	8,191681E+21	6,098642E+21	6,098510E+21	8,191331E+21	1,180219E+22
96	1,590049E+22	1,938789E+22	2,139296E+22	2,139294E+22	1,938790E+22	1,590049E+22	1,180221E+22	8,191407E+21	6,098659E+21	6,098825E+21	8,191891E+21	1,180281E+22

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	1,590068E+22	1,938736E+22	2,139185E+22	2,139157E+22	1,938702E+22	1,590043E+22	1,180258E+22	8,191801E+21	6,098936E+21	6,098943E+21	8,191786E+21	1,180243E+22
98	1,590006E+22	1,938661E+22	2,139159E+22	2,139209E+22	1,938767E+22	1,590092E+22	1,180291E+22	8,191993E+21	6,099020E+21	6,098898E+21	8,191654E+21	1,180250E+22
99	1,590080E+22	1,938788E+22	2,139247E+22	2,139229E+22	1,938742E+22	1,590042E+22	1,180241E+22	8,191652E+21	6,098876E+21	6,098981E+21	8,191893E+21	1,180261E+22
100	1,590048E+22	1,938721E+22	2,139152E+22	2,139127E+22	1,938685E+22	1,590041E+22	1,180269E+22	8,191928E+21	6,098935E+21	6,098788E+21	8,191525E+21	1,180217E+22
101	1,590002E+22	1,938707E+22	2,139235E+22	2,139262E+22	1,938775E+22	1,590063E+22	1,180247E+22	8,191610E+21	6,098712E+21	6,098669E+21	8,191546E+21	1,180251E+22
102	1,590078E+22	1,938778E+22	2,139254E+22	2,139242E+22	1,938741E+22	1,590030E+22	1,180217E+22	8,191264E+21	6,098400E+21	6,098536E+21	8,191582E+21	1,180243E+22
103	1,590030E+22	1,938696E+22	2,139165E+22	2,139209E+22	1,938768E+22	1,590072E+22	1,180248E+22	8,191365E+21	6,098216E+21	6,098095E+21	8,191059E+21	1,180212E+22
104	1,590054E+22	1,938802E+22	2,139314E+22	2,139311E+22	1,938816E+22	1,590074E+22	1,180211E+22	8,190876E+21	6,097833E+21	6,097913E+21	8,191162E+21	1,180258E+22
105	1,590106E+22	1,938818E+22	2,139284E+22	2,139236E+22	1,938735E+22	1,590040E+22	1,180215E+22	8,190934E+21	6,097787E+21	6,097773E+21	8,190859E+21	1,180203E+22
106	1,590037E+22	1,938741E+22	2,139256E+22	2,139296E+22	1,938813E+22	1,590089E+22	1,180243E+22	8,191078E+21	6,097795E+21	6,097620E+21	8,190589E+21	1,180183E+22
107	1,590071E+22	1,938853E+22	2,139368E+22	2,139363E+22	1,938837E+22	1,590063E+22	1,180192E+22	8,190684E+21	6,097662E+21	6,097793E+21	8,191018E+21	1,180223E+22
108	1,590060E+22	1,938788E+22	2,139263E+22	2,139236E+22	1,938758E+22	1,590058E+22	1,180222E+22	8,190990E+21	6,097836E+21	6,097809E+21	8,190899E+21	1,180200E+22
109	1,590013E+22	1,938723E+22	2,139265E+22	2,139309E+22	1,938825E+22	1,590095E+22	1,180240E+22	8,191131E+21	6,098011E+21	6,097960E+21	8,191009E+21	1,180228E+22
110	1,590091E+22	1,938811E+22	2,139288E+22	2,139277E+22	1,938771E+22	1,590047E+22	1,180215E+22	8,191075E+21	6,098137E+21	6,098295E+21	8,191437E+21	1,180245E+22
111	1,590053E+22	1,938726E+22	2,139165E+22	2,139170E+22	1,938726E+22	1,590053E+22	1,180254E+22	8,191601E+21	6,098540E+21	6,098414E+21	8,191254E+21	1,180209E+22
112	1,590026E+22	1,938758E+22	2,139265E+22	2,139257E+22	1,938765E+22	1,590056E+22	1,180242E+22	8,191596E+21	6,098752E+21	6,098788E+21	8,191738E+21	1,180267E+22
113	1,590073E+22	1,938759E+22	2,139220E+22	2,139178E+22	1,938677E+22	1,590002E+22	1,180233E+22	8,191801E+21	6,099115E+21	6,099217E+21	8,192045E+21	1,180257E+22
114	1,590006E+22	1,938636E+22	2,139102E+22	2,139153E+22	1,938721E+22	1,590061E+22	1,180287E+22	8,192247E+21	6,099439E+21	6,099334E+21	8,191953E+21	1,180243E+22
115	1,590028E+22	1,938723E+22	2,139199E+22	2,139207E+22	1,938741E+22	1,590049E+22	1,180259E+22	8,192048E+21	6,099457E+21	6,099609E+21	8,192450E+21	1,180301E+22
116	1,590057E+22	1,938699E+22	2,139111E+22	2,139069E+22	1,938627E+22	1,590014E+22	1,180277E+22	8,192357E+21	6,099659E+21	6,099643E+21	8,192284E+21	1,180263E+22
117	1,589997E+22	1,938626E+22	2,139096E+22	2,139136E+22	1,938702E+22	1,590057E+22	1,180301E+22	8,192532E+21	6,099772E+21	6,099607E+21	8,192099E+21	1,180252E+22
118	1,590043E+22	1,938733E+22	2,139184E+22	2,139168E+22	1,938690E+22	1,590016E+22	1,180255E+22	8,192170E+21	6,099603E+21	6,099726E+21	8,192459E+21	1,180279E+22
119	1,590017E+22	1,938653E+22	2,139083E+22	2,139085E+22	1,938656E+22	1,590024E+22	1,180277E+22	8,192316E+21	6,099541E+21	6,099432E+21	8,192023E+21	1,180236E+22
120	1,589984E+22	1,938659E+22	2,139168E+22	2,139201E+22	1,938741E+22	1,590061E+22	1,180270E+22	8,192027E+21	6,099249E+21	6,099240E+21	8,192061E+21	1,180282E+22
121	1,590068E+22	1,938730E+22	2,139180E+22	2,139167E+22	1,938683E+22	1,590009E+22	1,180235E+22	8,191739E+21	6,099010E+21	6,099131E+21	8,192052E+21	1,180271E+22
122	1,590034E+22	1,938666E+22	2,139099E+22	2,139135E+22	1,938718E+22	1,590063E+22	1,180274E+22	8,191857E+21	6,098841E+21	6,098682E+21	8,191431E+21	1,180219E+22
123	1,590037E+22	1,938772E+22	2,139263E+22	2,139250E+22	1,938768E+22	1,590062E+22	1,180238E+22	8,191434E+21	6,098539E+21	6,098584E+21	8,191574E+21	1,180258E+22
124	1,590079E+22	1,938785E+22	2,139241E+22	2,139185E+22	1,938676E+22	1,590005E+22	1,180223E+22	8,191409E+21	6,098477E+21	6,098479E+21	8,191383E+21	1,180218E+22
125	1,590011E+22	1,938688E+22	2,139190E+22	2,139246E+22	1,938776E+22	1,590066E+22	1,180250E+22	8,191562E+21	6,098542E+21	6,098385E+21	8,191160E+21	1,180199E+22
126	1,590035E+22	1,938779E+22	2,139277E+22	2,139288E+22	1,938793E+22	1,590054E+22	1,180216E+22	8,191218E+21	6,098405E+21	6,098580E+21	8,191669E+21	1,180256E+22
127	1,590045E+22	1,938719E+22	2,139168E+22	2,139160E+22	1,938708E+22	1,590042E+22	1,180244E+22	8,191525E+21	6,098545E+21	6,098512E+21	8,191422E+21	1,180223E+22
128	1,590007E+22	1,938688E+22	2,139191E+22	2,139223E+22	1,938760E+22	1,590076E+22	1,180269E+22	8,191739E+21	6,098752E+21	6,098676E+21	8,191554E+21	1,180249E+22
129	1,590070E+22	1,938764E+22	2,139218E+22	2,139191E+22	1,938689E+22	1,590005E+22	1,180231E+22	8,191717E+21	6,099008E+21	6,099141E+21	8,192037E+21	1,180265E+22
130	1,590032E+22	1,938674E+22	2,139096E+22	2,139101E+22	1,938672E+22	1,590032E+22	1,180274E+22	8,192195E+21	6,099396E+21	6,099286E+21	8,191871E+21	1,180222E+22
131	1,589989E+22	1,938691E+22	2,139186E+22	2,139192E+22	1,938727E+22	1,590049E+22	1,180268E+22	8,192207E+21	6,099612E+21	6,099678E+21	8,192398E+21	1,180289E+22
132	1,590049E+22	1,938701E+22	2,139137E+22	2,139101E+22	1,938621E+22	1,589982E+22	1,180253E+22	8,192340E+21	6,099877E+21	6,100017E+21	8,192692E+21	1,180291E+22

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°
133	1,590000E+22	1,938586E+22	2,139016E+22	2,139072E+22	1,938668E+22	1,590042E+22	1,180309E+22	8,192844E+21	6,100226E+21	6,100084E+21	8,192480E+21	1,180260E+22
134	1,590006E+22	1,938669E+22	2,139115E+22	2,139120E+22	1,938683E+22	1,590035E+22	1,180289E+22	8,192687E+21	6,100252E+21	6,100367E+21	8,192987E+21	1,180319E+22
135	1,590037E+22	1,938646E+22	2,139046E+22	2,139009E+22	1,938574E+22	1,589990E+22	1,180297E+22	8,192911E+21	6,100386E+21	6,100341E+21	8,192747E+21	1,180271E+22
136	1,589971E+22	1,938582E+22	2,139040E+22	2,139077E+22	1,938652E+22	1,590035E+22	1,180320E+22	8,193057E+21	6,100457E+21	6,100313E+21	8,192675E+21	1,180272E+22
137	1,590008E+22	1,938664E+22	2,139107E+22	2,139101E+22	1,938638E+22	1,589990E+22	1,180265E+22	8,192650E+21	6,100314E+21	6,100470E+21	8,193079E+21	1,180314E+22
138	1,590009E+22	1,938599E+22	2,139000E+22	2,139007E+22	1,938614E+22	1,590019E+22	1,180297E+22	8,192736E+21	6,100154E+21	6,100080E+21	8,192535E+21	1,180261E+22
139	1,589977E+22	1,938619E+22	2,139095E+22	2,139123E+22	1,938691E+22	1,590052E+22	1,180296E+22	8,192533E+21	6,099878E+21	6,099845E+21	8,192476E+21	1,180298E+22
140	1,590069E+22	1,938715E+22	2,139133E+22	2,139099E+22	1,938618E+22	1,589976E+22	1,180246E+22	8,192179E+21	6,099605E+21	6,099696E+21	8,192430E+21	1,180284E+22
141	1,590028E+22	1,938647E+22	2,139061E+22	2,139086E+22	1,938667E+22	1,590028E+22	1,180279E+22	8,192327E+21	6,099507E+21	6,099296E+21	8,191791E+21	1,180214E+22
142	1,589994E+22	1,938714E+22	2,139208E+22	2,139207E+22	1,938735E+22	1,590047E+22	1,180256E+22	8,191940E+21	6,099235E+21	6,099288E+21	8,192090E+21	1,180270E+22
143	1,590040E+22	1,938710E+22	2,139173E+22	2,139148E+22	1,938656E+22	1,589997E+22	1,180238E+22	8,191843E+21	6,099110E+21	6,099143E+21	8,191891E+21	1,180236E+22
144	1,589985E+22	1,938628E+22	2,139107E+22	2,139171E+22	1,938735E+22	1,590064E+22	1,180280E+22	8,192079E+21	6,099183E+21	6,099063E+21	8,191751E+21	1,180229E+22
145	1,590014E+22	1,938711E+22	2,139179E+22	2,139193E+22	1,938727E+22	1,590033E+22	1,180242E+22	8,191827E+21	6,099179E+21	6,099336E+21	8,192257E+21	1,180290E+22
146	1,590045E+22	1,938677E+22	2,139081E+22	2,139061E+22	1,938643E+22	1,590025E+22	1,180270E+22	8,192126E+21	6,099349E+21	6,099295E+21	8,191959E+21	1,180238E+22
147	1,589988E+22	1,938647E+22	2,139125E+22	2,139141E+22	1,938691E+22	1,590049E+22	1,180294E+22	8,192402E+21	6,099630E+21	6,099531E+21	8,192131E+21	1,180264E+22
148	1,590049E+22	1,938722E+22	2,139160E+22	2,139125E+22	1,938621E+22	1,589960E+22	1,180236E+22	8,192260E+21	6,099834E+21	6,100004E+21	8,192710E+21	1,180295E+22
149	1,590014E+22	1,938619E+22	2,139022E+22	2,139039E+22	1,938627E+22	1,590004E+22	1,180282E+22	8,192733E+21	6,100220E+21	6,100134E+21	8,192520E+21	1,180247E+22
150	1,589961E+22	1,938619E+22	2,139093E+22	2,139112E+22	1,938683E+22	1,590043E+22	1,180298E+22	8,192800E+21	6,100402E+21	6,100495E+21	8,193053E+21	1,180322E+22
151	1,590035E+22	1,938639E+22	2,139053E+22	2,139029E+22	1,938572E+22	1,589969E+22	1,180281E+22	8,192924E+21	6,100612E+21	6,100719E+21	8,193174E+21	1,180308E+22
152	1,589988E+22	1,938552E+22	2,138950E+22	2,138990E+22	1,938608E+22	1,590027E+22	1,180341E+22	8,193477E+21	6,100978E+21	6,100802E+21	8,192992E+21	1,180272E+22
153	1,589972E+22	1,938609E+22	2,139045E+22	2,139043E+22	1,938614E+22	1,590002E+22	1,180309E+22	8,193330E+21	6,101098E+21	6,101172E+21	8,193539E+21	1,180334E+22
154	1,590009E+22	1,938585E+22	2,138969E+22	2,138939E+22	1,938530E+22	1,589975E+22	1,180316E+22	8,193458E+21	6,101170E+21	6,101134E+21	8,193318E+21	1,180285E+22
155	1,589938E+22	1,938518E+22	2,138963E+22	2,139008E+22	1,938612E+22	1,590025E+22	1,180343E+22	8,193591E+21	6,101190E+21	6,101065E+21	8,193248E+21	1,180298E+22
156	1,589998E+22	1,938616E+22	2,139032E+22	2,139023E+22	1,938578E+22	1,589962E+22	1,180277E+22	8,193077E+21	6,100924E+21	6,101112E+21	8,193615E+21	1,180349E+22
157	1,590015E+22	1,938569E+22	2,138938E+22	2,138939E+22	1,938564E+22	1,589993E+22	1,180307E+22	8,193188E+21	6,100767E+21	6,100659E+21	8,192932E+21	1,180275E+22
158	1,589964E+22	1,938586E+22	2,139041E+22	2,139058E+22	1,938644E+22	1,590035E+22	1,180315E+22	8,193008E+21	6,100502E+21	6,100446E+21	8,192880E+21	1,180307E+22
159	1,590046E+22	1,938673E+22	2,139093E+22	2,139062E+22	1,938581E+22	1,589954E+22	1,180258E+22	8,192613E+21	6,100202E+21	6,100271E+21	8,192786E+21	1,180285E+22
160	1,589997E+22	1,938604E+22	2,139016E+22	2,139045E+22	1,938638E+22	1,590015E+22	1,180296E+22	8,192786E+21	6,100127E+21	6,099952E+21	8,192322E+21	1,180230E+22
161	1,589951E+22	1,938632E+22	2,139122E+22	2,139140E+22	1,938696E+22	1,590032E+22	1,180273E+22	8,192448E+21	6,099952E+21	6,100028E+21	8,192686E+21	1,180301E+22
162	1,590025E+22	1,938644E+22	2,139074E+22	2,139056E+22	1,938614E+22	1,589999E+22	1,180267E+22	8,192367E+21	6,099807E+21	6,099857E+21	8,192447E+21	1,180263E+22
163	1,589976E+22	1,938580E+22	2,139022E+22	2,139073E+22	1,938669E+22	1,590048E+22	1,180312E+22	8,192705E+21	6,099948E+21	6,099789E+21	8,192255E+21	1,180252E+22
164	1,590014E+22	1,938683E+22	2,139113E+22	2,139100E+22	1,938641E+22	1,589988E+22	1,180253E+22	8,192377E+21	6,099942E+21	6,100083E+21	8,192786E+21	1,180312E+22
165	1,590038E+22	1,938648E+22	2,139032E+22	2,138996E+22	1,938577E+22	1,589979E+22	1,180274E+22	8,192678E+21	6,100162E+21	6,100090E+21	8,192491E+21	1,180247E+22
166	1,589953E+22	1,938588E+22	2,139062E+22	2,139084E+22	1,938648E+22	1,590026E+22	1,180307E+22	8,192955E+21	6,100444E+21	6,100380E+21	8,192779E+21	1,180287E+22
167	1,590017E+22	1,938650E+22	2,139089E+22	2,139077E+22	1,938593E+22	1,589951E+22	1,180255E+22	8,192773E+21	6,100573E+21	6,100766E+21	8,193289E+21	1,180319E+22
168	1,589995E+22	1,938564E+22	2,138947E+22	2,138966E+22	1,938587E+22	1,590002E+22	1,180317E+22	8,193336E+21	6,100960E+21	6,100895E+21	8,193140E+21	1,180274E+22

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	1,589935E+22	1,938546E+22	2,138997E+22	2,139021E+22	1,938624E+22	1,590028E+22	1,180332E+22	8,193514E+21	6,101269E+21	6,101306E+21	8,193625E+21	1,180346E+22
170	1,590023E+22	1,938589E+22	2,138967E+22	2,138931E+22	1,938516E+22	1,589963E+22	1,180315E+22	8,193607E+21	6,101479E+21	6,101542E+21	8,193712E+21	1,180317E+22
171	1,589957E+22	1,938499E+22	2,138881E+22	2,138905E+22	1,938542E+22	1,590004E+22	1,180370E+22	8,194173E+21	6,101870E+21	6,101660E+21	8,193567E+21	1,180287E+22
172	1,589947E+22	1,938551E+22	2,138973E+22	2,138970E+22	1,938549E+22	1,589961E+22	1,180313E+22	8,193845E+21	6,101889E+21	6,102003E+21	8,194201E+21	1,180367E+22
173	1,589997E+22	1,938530E+22	2,138893E+22	2,138869E+22	1,938481E+22	1,589942E+22	1,180317E+22	8,193901E+21	6,101878E+21	6,101878E+21	8,193911E+21	1,180314E+22
174	1,589923E+22	1,938459E+22	2,138880E+22	2,138930E+22	1,938563E+22	1,590009E+22	1,180359E+22	8,194039E+21	6,101817E+21	6,101724E+21	8,193793E+21	1,180330E+22
175	1,589996E+22	1,938576E+22	2,138975E+22	2,138965E+22	1,938533E+22	1,589943E+22	1,180291E+22	8,193487E+21	6,101465E+21	6,101624E+21	8,193955E+21	1,180360E+22
176	1,590010E+22	1,938553E+22	2,138903E+22	2,138882E+22	1,938517E+22	1,589975E+22	1,180325E+22	8,193629E+21	6,101323E+21	6,101204E+21	8,193304E+21	1,180277E+22
177	1,589930E+22	1,938533E+22	2,138990E+22	2,139007E+22	1,938599E+22	1,590013E+22	1,180331E+22	8,193517E+21	6,101180E+21	6,101092E+21	8,193297E+21	1,180313E+22
178	1,590015E+22	1,938615E+22	2,139025E+22	2,139006E+22	1,938560E+22	1,589956E+22	1,180277E+22	8,193083E+21	6,100870E+21	6,100948E+21	8,193255E+21	1,180292E+22
179	1,589960E+22	1,938537E+22	2,138940E+22	2,138974E+22	1,938602E+22	1,590016E+22	1,180325E+22	8,193329E+21	6,100830E+21	6,100653E+21	8,192842E+21	1,180254E+22
180	1,589940E+22	1,938571E+22	2,139034E+22	2,139052E+22	1,938633E+22	1,590008E+22	1,180290E+22	8,192943E+21	6,100624E+21	6,100712E+21	8,193236E+21	1,180335E+22
181	1,590029E+22	1,938605E+22	2,138998E+22	2,138970E+22	1,938548E+22	1,589965E+22	1,180281E+22	8,192913E+21	6,100532E+21	6,100550E+21	8,192938E+21	1,180282E+22
182	1,589965E+22	1,938541E+22	2,138959E+22	2,138991E+22	1,938602E+22	1,590019E+22	1,180328E+22	8,193264E+21	6,100709E+21	6,100547E+21	8,192805E+21	1,180271E+22
183	1,589995E+22	1,938639E+22	2,139071E+22	2,139049E+22	1,938585E+22	1,589953E+22	1,180262E+22	8,192884E+21	6,100676E+21	6,100821E+21	8,193304E+21	1,180324E+22
184	1,590014E+22	1,938604E+22	2,138986E+22	2,138948E+22	1,938540E+22	1,589960E+22	1,180287E+22	8,193180E+21	6,100908E+21	6,100903E+21	8,193149E+21	1,180270E+22
185	1,589917E+22	1,938508E+22	2,138974E+22	2,139012E+22	1,938609E+22	1,590016E+22	1,180329E+22	8,193541E+21	6,101274E+21	6,101232E+21	8,193440E+21	1,180319E+22
186	1,590003E+22	1,938583E+22	2,138986E+22	2,138982E+22	1,938555E+22	1,589959E+22	1,180292E+22	8,193419E+21	6,101400E+21	6,101580E+21	8,193871E+21	1,180340E+22
187	1,589977E+22	1,938510E+22	2,138863E+22	2,138870E+22	1,938524E+22	1,589993E+22	1,180358E+22	8,194099E+21	6,101865E+21	6,101721E+21	8,193677E+21	1,180293E+22
188	1,589924E+22	1,938495E+22	2,138918E+22	2,138925E+22	1,938540E+22	1,589989E+22	1,180351E+22	8,194176E+21	6,102154E+21	6,102158E+21	8,194207E+21	1,180363E+22
189	1,590002E+22	1,938538E+22	2,138900E+22	2,138858E+22	1,938449E+22	1,589921E+22	1,180326E+22	8,194226E+21	6,102348E+21	6,102401E+21	8,194316E+21	1,180330E+22
190	1,589920E+22	1,938430E+22	2,138804E+22	2,138835E+22	1,938491E+22	1,589979E+22	1,180381E+22	8,194687E+21	6,102651E+21	6,102497E+21	8,194245E+21	1,180317E+22
191	1,589921E+22	1,938482E+22	2,138899E+22	2,138905E+22	1,938504E+22	1,589943E+22	1,180325E+22	8,194261E+21	6,102516E+21	6,102672E+21	8,194738E+21	1,180395E+22
192	1,589993E+22	1,938490E+22	2,138830E+22	2,138803E+22	1,938438E+22	1,589932E+22	1,180337E+22	8,194327E+21	6,102448E+21	6,102490E+21	8,194420E+21	1,180339E+22
193	1,589913E+22	1,938410E+22	2,138808E+22	2,138857E+22	1,938511E+22	1,589992E+22	1,180379E+22	8,194552E+21	6,102474E+21	6,102334E+21	8,194201E+21	1,180346E+22
194	1,589991E+22	1,938546E+22	2,138915E+22	2,138893E+22	1,938494E+22	1,589941E+22	1,180316E+22	8,194008E+21	6,102126E+21	6,102236E+21	8,194311E+21	1,180358E+22
195	1,589978E+22	1,938511E+22	2,138863E+22	2,138832E+22	1,938472E+22	1,589961E+22	1,180351E+22	8,194200E+21	6,102037E+21	6,101871E+21	8,193724E+21	1,180284E+22
196	1,589902E+22	1,938470E+22	2,138922E+22	2,138949E+22	1,938552E+22	1,589986E+22	1,180338E+22	8,193964E+21	6,101856E+21	6,101799E+21	8,193844E+21	1,180335E+22
197	1,589995E+22	1,938554E+22	2,138947E+22	2,138938E+22	1,938516E+22	1,589937E+22	1,180289E+22	8,193533E+21	6,101523E+21	6,101631E+21	8,193794E+21	1,180316E+22
198	1,589944E+22	1,938478E+22	2,138855E+22	2,138887E+22	1,938545E+22	1,590001E+22	1,180346E+22	8,193812E+21	6,101478E+21	6,101330E+21	8,193392E+21	1,180284E+22
199	1,589937E+22	1,938532E+22	2,138973E+22	2,138977E+22	1,938570E+22	1,589981E+22	1,180304E+22	8,193414E+21	6,101252E+21	6,101315E+21	8,193649E+21	1,180350E+22
200	1,590026E+22	1,938586E+22	2,138959E+22	2,138908E+22	1,938489E+22	1,589936E+22	1,180293E+22	8,193387E+21	6,101207E+21	6,101246E+21	8,193441E+21	1,180292E+22
201	1,589933E+22	1,938483E+22	2,138902E+22	2,138938E+22	1,938552E+22	1,589989E+22	1,180340E+22	8,193812E+21	6,101501E+21	6,101340E+21	8,193370E+21	1,180288E+22
202	1,589969E+22	1,938579E+22	2,138995E+22	2,138988E+22	1,938562E+22	1,589955E+22	1,180284E+22	8,193431E+21	6,101461E+21	6,101628E+21	8,193895E+21	1,180340E+22
203	1,589980E+22	1,938535E+22	2,138908E+22	2,138875E+22	1,938500E+22	1,589962E+22	1,180324E+22	8,193835E+21	6,101738E+21	6,101719E+21	8,193748E+21	1,180298E+22
204	1,589905E+22	1,938440E+22	2,138876E+22	2,138919E+22	1,938547E+22	1,589998E+22	1,180357E+22	8,194180E+21	6,102106E+21	6,102057E+21	8,194055E+21	1,180347E+22

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	1,589998E+22	1,938536E+22	2,138901E+22	2,138888E+22	1,938486E+22	1,589932E+22	1,180316E+22	8,194101E+21	6,102272E+21	6,102407E+21	8,194431E+21	1,180355E+22
206	1,589953E+22	1,938454E+22	2,138785E+22	2,138776E+22	1,938448E+22	1,589966E+22	1,180383E+22	8,194768E+21	6,102754E+21	6,102604E+21	8,194316E+21	1,180313E+22
207	1,589895E+22	1,938435E+22	2,138854E+22	2,138860E+22	1,938476E+22	1,589952E+22	1,180361E+22	8,194729E+21	6,102953E+21	6,102971E+21	8,194807E+21	1,180382E+22
208	1,589978E+22	1,938483E+22	2,138834E+22	2,138796E+22	1,938401E+22	1,589896E+22	1,180334E+22	8,194686E+21	6,103081E+21	6,103222E+21	8,195009E+21	1,180360E+22
209	1,589895E+22	1,938354E+22	2,138712E+22	2,138756E+22	1,938440E+22	1,589962E+22	1,180397E+22	8,195181E+21	6,103371E+21	6,103255E+21	8,194864E+21	1,180353E+22
210	1,589923E+22	1,938438E+22	2,138810E+22	2,138816E+22	1,938460E+22	1,589943E+22	1,180353E+22	8,194777E+21	6,103181E+21	6,103320E+21	8,195191E+21	1,180411E+22
211	1,589983E+22	1,938459E+22	2,138776E+22	2,138731E+22	1,938382E+22	1,589920E+22	1,180368E+22	8,194923E+21	6,103153E+21	6,103107E+21	8,194776E+21	1,180348E+22
212	1,589904E+22	1,938376E+22	2,138757E+22	2,138793E+22	1,938450E+22	1,589960E+22	1,180391E+22	8,195055E+21	6,103165E+21	6,102991E+21	8,194606E+21	1,180349E+22
213	1,589965E+22	1,938503E+22	2,138866E+22	2,138848E+22	1,938451E+22	1,589914E+22	1,180327E+22	8,194505E+21	6,102814E+21	6,102909E+21	8,194756E+21	1,180359E+22
214	1,589935E+22	1,938442E+22	2,138794E+22	2,138779E+22	1,938439E+22	1,589952E+22	1,180368E+22	8,194658E+21	6,102697E+21	6,102576E+21	8,194295E+21	1,180307E+22
215	1,589874E+22	1,938401E+22	2,138848E+22	2,138888E+22	1,938511E+22	1,589975E+22	1,180355E+22	8,194373E+21	6,102426E+21	6,102401E+21	8,194335E+21	1,180359E+22
216	1,589987E+22	1,938510E+22	2,138880E+22	2,138869E+22	1,938468E+22	1,589924E+22	1,180309E+22	8,193963E+21	6,102109E+21	6,102264E+21	8,194320E+21	1,180340E+22
217	1,589934E+22	1,938430E+22	2,138780E+22	2,138807E+22	1,938484E+22	1,589977E+22	1,180363E+22	8,194327E+21	6,102173E+21	6,102008E+21	8,193881E+21	1,180306E+22
218	1,589935E+22	1,938503E+22	2,138907E+22	2,138900E+22	1,938519E+22	1,589968E+22	1,180325E+22	8,193955E+21	6,101985E+21	6,102028E+21	8,194119E+21	1,180356E+22
219	1,590000E+22	1,938545E+22	2,138915E+22	2,138859E+22	1,938443E+22	1,589916E+22	1,180314E+22	8,193979E+21	6,102003E+21	6,102020E+21	8,193987E+21	1,180312E+22
220	1,589914E+22	1,938421E+22	2,138825E+22	2,138874E+22	1,938503E+22	1,589962E+22	1,180348E+22	8,194308E+21	6,102277E+21	6,102163E+21	8,194017E+21	1,180317E+22
221	1,589953E+22	1,938516E+22	2,138908E+22	2,138910E+22	1,938513E+22	1,589942E+22	1,180308E+22	8,194005E+21	6,102235E+21	6,102422E+21	8,194505E+21	1,180366E+22
222	1,589962E+22	1,938472E+22	2,138817E+22	2,138785E+22	1,938437E+22	1,589950E+22	1,180356E+22	8,194468E+21	6,102545E+21	6,102529E+21	8,194367E+21	1,180325E+22
223	1,589891E+22	1,938389E+22	2,138800E+22	2,138831E+22	1,938473E+22	1,589970E+22	1,180380E+22	8,194797E+21	6,102903E+21	6,102815E+21	8,194562E+21	1,180359E+22
224	1,589977E+22	1,938495E+22	2,138844E+22	2,138816E+22	1,938420E+22	1,589904E+22	1,180335E+22	8,194682E+21	6,103096E+21	6,103257E+21	8,195037E+21	1,180365E+22
225	1,589915E+22	1,938382E+22	2,138705E+22	2,138706E+22	1,938390E+22	1,589935E+22	1,180397E+22	8,195369E+21	6,103623E+21	6,103487E+21	8,194972E+21	1,180336E+22
226	1,589871E+22	1,938369E+22	2,138759E+22	2,138780E+22	1,938438E+22	1,589947E+22	1,180383E+22	8,195288E+21	6,103751E+21	6,103790E+21	8,195426E+21	1,180404E+22
227	1,589953E+22	1,938422E+22	2,138756E+22	2,138722E+22	1,938353E+22	1,589889E+22	1,180365E+22	8,195290E+21	6,103845E+21	6,103962E+21	8,195570E+21	1,180393E+22
228	1,589895E+22	1,938302E+22	2,138626E+22	2,138673E+22	1,938379E+22	1,589937E+22	1,180414E+22	8,195711E+21	6,104086E+21	6,103960E+21	8,195385E+21	1,180377E+22
229	1,589922E+22	1,938409E+22	2,138750E+22	2,138742E+22	1,938400E+22	1,589920E+22	1,180375E+22	8,195344E+21	6,103892E+21	6,103987E+21	8,195623E+21	1,180417E+22
230	1,589958E+22	1,938418E+22	2,138726E+22	2,138672E+22	1,938327E+22	1,589900E+22	1,180389E+22	8,195462E+21	6,103868E+21	6,103817E+21	8,195270E+21	1,180356E+22
231	1,589869E+22	1,938324E+22	2,138709E+22	2,138751E+22	1,938407E+22	1,589935E+22	1,180401E+22	8,195497E+21	6,103805E+21	6,103645E+21	8,195081E+21	1,180359E+22
232	1,589933E+22	1,938446E+22	2,138805E+22	2,138801E+22	1,938423E+22	1,589903E+22	1,180337E+22	8,194868E+21	6,103415E+21	6,103596E+21	8,195329E+21	1,180381E+22
233	1,589907E+22	1,938366E+22	2,138699E+22	2,138704E+22	1,938394E+22	1,589942E+22	1,180387E+22	8,195108E+21	6,103323E+21	6,103234E+21	8,194848E+21	1,180341E+22
234	1,589878E+22	1,938359E+22	2,138754E+22	2,138796E+22	1,938463E+22	1,589971E+22	1,180382E+22	8,194875E+21	6,103050E+21	6,103004E+21	8,194773E+21	1,180377E+22
235	1,589980E+22	1,938482E+22	2,138824E+22	2,138794E+22	1,938403E+22	1,589902E+22	1,180335E+22	8,194538E+21	6,102803E+21	6,102885E+21	8,194728E+21	1,180357E+22
236	1,589928E+22	1,938397E+22	2,138725E+22	2,138742E+22	1,938417E+22	1,589937E+22	1,180369E+22	8,194800E+21	6,102880E+21	6,102720E+21	8,194378E+21	1,180318E+22
237	1,589916E+22	1,938465E+22	2,138858E+22	2,138849E+22	1,938468E+22	1,589937E+22	1,180334E+22	8,194448E+21	6,102700E+21	6,102765E+21	8,194648E+21	1,180367E+22
238	1,589963E+22	1,938479E+22	2,138843E+22	2,138801E+22	1,938404E+22	1,589906E+22	1,180333E+22	8,194479E+21	6,102730E+21	6,102795E+21	8,194607E+21	1,180337E+22
239	1,589888E+22	1,938357E+22	2,138748E+22	2,138806E+22	1,938457E+22	1,589952E+22	1,180372E+22	8,194824E+21	6,102965E+21	6,102863E+21	8,194553E+21	1,180339E+22
240	1,589938E+22	1,938467E+22	2,138832E+22	2,138835E+22	1,938462E+22	1,589929E+22	1,180335E+22	8,194572E+21	6,102990E+21	6,103189E+21	8,195065E+21	1,180383E+22

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°
241	1,589939E+22	1,938411E+22	2,138727E+22	2,138696E+22	1,938371E+22	1,589929E+22	1,180386E+22	8,195158E+21	6,103422E+21	6,103366E+21	8,194954E+21	1,180345E+22
242	1,589875E+22	1,938341E+22	2,138714E+22	2,138742E+22	1,938413E+22	1,589953E+22	1,180409E+22	8,195484E+21	6,103799E+21	6,103684E+21	8,195156E+21	1,180369E+22
243	1,589938E+22	1,938433E+22	2,138776E+22	2,138751E+22	1,938363E+22	1,589878E+22	1,180359E+22	8,195364E+21	6,104009E+21	6,104147E+21	8,195703E+21	1,180395E+22
244	1,589894E+22	1,938309E+22	2,138610E+22	2,138625E+22	1,938331E+22	1,589904E+22	1,180404E+22	8,195886E+21	6,104449E+21	6,104377E+21	8,195695E+21	1,180374E+22
245	1,589864E+22	1,938316E+22	2,138671E+22	2,138692E+22	1,938374E+22	1,589924E+22	1,180404E+22	8,195847E+21	6,104508E+21	6,104572E+21	8,196038E+21	1,180433E+22
246	1,589944E+22	1,938374E+22	2,138678E+22	2,138641E+22	1,938293E+22	1,589871E+22	1,180391E+22	8,195867E+21	6,104590E+21	6,104696E+21	8,196115E+21	1,180415E+22
247	1,589884E+22	1,938271E+22	2,138576E+22	2,138606E+22	1,938318E+22	1,589909E+22	1,180431E+22	8,196227E+21	6,104766E+21	6,104603E+21	8,195796E+21	1,180383E+22
248	1,589898E+22	1,938374E+22	2,138711E+22	2,138698E+22	1,938356E+22	1,589899E+22	1,180389E+22	8,195813E+21	6,104574E+21	6,104690E+21	8,196097E+21	1,180420E+22
249	1,589914E+22	1,938348E+22	2,138656E+22	2,138624E+22	1,938294E+22	1,589886E+22	1,180406E+22	8,195959E+21	6,104568E+21	6,104532E+21	8,195811E+21	1,180374E+22
250	1,589843E+22	1,938259E+22	2,138613E+22	2,138679E+22	1,938383E+22	1,589941E+22	1,180427E+22	8,195975E+21	6,104448E+21	6,104304E+21	8,195588E+21	1,180377E+22
251	1,589906E+22	1,938386E+22	2,138727E+22	2,138732E+22	1,938381E+22	1,589900E+22	1,180369E+22	8,195411E+21	6,104057E+21	6,104199E+21	8,195805E+21	1,180414E+22
252	1,589911E+22	1,938321E+22	2,138614E+22	2,138617E+22	1,938328E+22	1,589910E+22	1,180398E+22	8,195569E+21	6,103960E+21	6,103864E+21	8,195324E+21	1,180366E+22
253	1,589881E+22	1,938339E+22	2,138697E+22	2,138716E+22	1,938389E+22	1,589937E+22	1,180398E+22	8,195389E+21	6,103710E+21	6,103639E+21	8,195205E+21	1,180387E+22
254	1,589960E+22	1,938450E+22	2,138781E+22	2,138740E+22	1,938345E+22	1,589872E+22	1,180348E+22	8,195031E+21	6,103495E+21	6,103588E+21	8,195243E+21	1,180370E+22
255	1,589900E+22	1,938355E+22	2,138683E+22	2,138700E+22	1,938373E+22	1,589906E+22	1,180371E+22	8,195207E+21	6,103520E+21	6,103395E+21	8,194891E+21	1,180334E+22
256	1,589888E+22	1,938412E+22	2,138797E+22	2,138802E+22	1,938440E+22	1,589928E+22	1,180347E+22	8,194845E+21	6,103351E+21	6,103495E+21	8,195225E+21	1,180388E+22
257	1,589935E+22	1,938407E+22	2,138748E+22	2,138725E+22	1,938361E+22	1,589900E+22	1,180362E+22	8,195038E+21	6,103459E+21	6,103532E+21	8,195177E+21	1,180365E+22
258	1,589882E+22	1,938309E+22	2,138648E+22	2,138710E+22	1,938408E+22	1,589949E+22	1,180409E+22	8,195492E+21	6,103766E+21	6,103605E+21	8,195045E+21	1,180350E+22
259	1,589911E+22	1,938419E+22	2,138763E+22	2,138757E+22	1,938398E+22	1,589910E+22	1,180370E+22	8,195315E+21	6,103883E+21	6,103985E+21	8,195586E+21	1,180400E+22
260	1,589916E+22	1,938350E+22	2,138646E+22	2,138615E+22	1,938298E+22	1,589887E+22	1,180398E+22	8,195791E+21	6,104332E+21	6,104284E+21	8,195618E+21	1,180366E+22
261	1,589848E+22	1,938283E+22	2,138637E+22	2,138664E+22	1,938347E+22	1,589920E+22	1,180426E+22	8,196102E+21	6,104667E+21	6,104590E+21	8,195860E+21	1,180394E+22
262	1,589905E+22	1,938360E+22	2,138687E+22	2,138671E+22	1,938309E+22	1,589861E+22	1,180380E+22	8,195933E+21	6,104828E+21	6,105023E+21	8,196431E+21	1,180432E+22
263	1,589878E+22	1,938256E+22	2,138534E+22	2,138546E+22	1,938272E+22	1,589881E+22	1,180422E+22	8,196392E+21	6,105154E+21	6,105108E+21	8,196273E+21	1,180404E+22
264	1,589862E+22	1,938281E+22	2,138607E+22	2,138622E+22	1,938324E+22	1,589906E+22	1,180423E+22	8,196348E+21	6,105221E+21	6,105300E+21	8,196551E+21	1,180449E+22
265	1,589925E+22	1,938326E+22	2,138606E+22	2,138569E+22	1,938241E+22	1,589855E+22	1,180417E+22	8,196466E+21	6,105357E+21	6,105424E+21	8,196608E+21	1,180429E+22
266	1,589866E+22	1,938231E+22	2,138509E+22	2,138544E+22	1,938280E+22	1,589899E+22	1,180458E+22	8,196822E+21	6,105523E+21	6,105322E+21	8,196268E+21	1,180386E+22
267	1,589854E+22	1,938311E+22	2,138651E+22	2,138650E+22	1,938321E+22	1,589886E+22	1,180413E+22	8,196394E+21	6,105318E+21	6,105391E+21	8,196618E+21	1,180443E+22
268	1,589889E+22	1,938272E+22	2,138561E+22	2,138546E+22	1,938247E+22	1,589865E+22	1,180418E+22	8,196409E+21	6,105241E+21	6,105252E+21	8,196404E+21	1,180406E+22
269	1,589838E+22	1,938213E+22	2,138530E+22	2,138585E+22	1,938315E+22	1,589918E+22	1,180448E+22	8,196456E+21	6,105061E+21	6,104932E+21	8,196086E+21	1,180402E+22
270	1,589899E+22	1,938345E+22	2,138654E+22	2,138646E+22	1,938314E+22	1,589874E+22	1,180387E+22	8,195904E+21	6,104695E+21	6,104820E+21	8,196256E+21	1,180432E+22
271	1,589903E+22	1,938303E+22	2,138578E+22	2,138553E+22	1,938264E+22	1,589872E+22	1,180402E+22	8,195971E+21	6,104546E+21	6,104437E+21	8,195698E+21	1,180373E+22
272	1,589864E+22	1,938315E+22	2,138670E+22	2,138681E+22	1,938347E+22	1,589905E+22	1,180398E+22	8,195757E+21	6,104333E+21	6,104300E+21	8,195650E+21	1,180391E+22
273	1,589921E+22	1,938386E+22	2,138718E+22	2,138699E+22	1,938321E+22	1,589859E+22	1,180362E+22	8,195492E+21	6,104164E+21	6,104277E+21	8,195766E+21	1,180390E+22
274	1,589876E+22	1,938295E+22	2,138598E+22	2,138638E+22	1,938354E+22	1,589913E+22	1,180401E+22	8,195729E+21	6,104197E+21	6,104073E+21	8,195393E+21	1,180350E+22
275	1,589856E+22	1,938345E+22	2,138719E+22	2,138736E+22	1,938403E+22	1,589929E+22	1,180387E+22	8,195501E+21	6,104103E+21	6,104175E+21	8,195722E+21	1,180414E+22
276	1,589924E+22	1,938346E+22	2,138652E+22	2,138631E+22	1,938299E+22	1,589878E+22	1,180386E+22	8,195671E+21	6,104287E+21	6,104338E+21	8,195756E+21	1,180388E+22

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	1,589872E+22	1,938271E+22	2,138572E+22	2,138608E+22	1,938325E+22	1,589919E+22	1,180438E+22	8,196180E+21	6,104639E+21	6,104461E+21	8,195646E+21	1,180366E+22
278	1,589880E+22	1,938358E+22	2,138690E+22	2,138678E+22	1,938329E+22	1,589877E+22	1,180389E+22	8,195974E+21	6,104796E+21	6,104914E+21	8,196292E+21	1,180425E+22
279	1,589887E+22	1,938293E+22	2,138577E+22	2,138545E+22	1,938239E+22	1,589847E+22	1,180401E+22	8,196297E+21	6,105141E+21	6,105152E+21	8,196322E+21	1,180399E+22
280	1,589832E+22	1,938225E+22	2,138560E+22	2,138593E+22	1,938299E+22	1,589897E+22	1,180434E+22	8,196557E+21	6,105427E+21	6,105438E+21	8,196547E+21	1,180429E+22
281	1,589892E+22	1,938296E+22	2,138593E+22	2,138584E+22	1,938256E+22	1,589848E+22	1,180407E+22	8,196518E+21	6,105590E+21	6,105791E+21	8,197032E+21	1,180465E+22
282	1,589881E+22	1,938221E+22	2,138452E+22	2,138458E+22	1,938222E+22	1,589872E+22	1,180455E+22	8,197030E+21	6,105927E+21	6,105813E+21	8,196719E+21	1,180412E+22
283	1,589837E+22	1,938241E+22	2,138558E+22	2,138563E+22	1,938274E+22	1,589892E+22	1,180456E+22	8,197034E+21	6,106033E+21	6,106003E+21	8,196980E+21	1,180459E+22
284	1,589898E+22	1,938268E+22	2,138537E+22	2,138505E+22	1,938191E+22	1,589825E+22	1,180429E+22	8,197029E+21	6,106156E+21	6,106218E+21	8,197149E+21	1,180440E+22
285	1,589833E+22	1,938171E+22	2,138434E+22	2,138470E+22	1,938228E+22	1,589881E+22	1,180479E+22	8,197365E+21	6,106259E+21	6,106077E+21	8,196839E+21	1,180404E+22
286	1,589817E+22	1,938231E+22	2,138563E+22	2,138575E+22	1,938277E+22	1,589876E+22	1,180436E+22	8,196900E+21	6,106001E+21	6,106102E+21	8,197192E+21	1,180470E+22
287	1,589874E+22	1,938222E+22	2,138489E+22	2,138466E+22	1,938187E+22	1,589838E+22	1,180429E+22	8,196829E+21	6,105822E+21	6,105844E+21	8,196872E+21	1,180432E+22
288	1,589839E+22	1,938186E+22	2,138476E+22	2,138516E+22	1,938259E+22	1,589891E+22	1,180455E+22	8,196849E+21	6,105655E+21	6,105541E+21	8,196509E+21	1,180416E+22
289	1,589886E+22	1,938309E+22	2,138600E+22	2,138580E+22	1,938260E+22	1,589850E+22	1,180403E+22	8,196380E+21	6,105335E+21	6,105446E+21	8,196690E+21	1,180446E+22
290	1,589889E+22	1,938270E+22	2,138530E+22	2,138507E+22	1,938232E+22	1,589855E+22	1,180416E+22	8,196442E+21	6,105196E+21	6,105073E+21	8,196122E+21	1,180378E+22
291	1,589827E+22	1,938258E+22	2,138622E+22	2,138647E+22	1,938328E+22	1,589898E+22	1,180416E+22	8,196254E+21	6,105004E+21	6,104943E+21	8,196139E+21	1,180415E+22
292	1,589900E+22	1,938314E+22	2,138627E+22	2,138626E+22	1,938286E+22	1,589848E+22	1,180378E+22	8,195961E+21	6,104850E+21	6,104998E+21	8,196334E+21	1,180419E+22
293	1,589869E+22	1,938246E+22	2,138514E+22	2,138541E+22	1,938290E+22	1,589901E+22	1,180435E+22	8,196329E+21	6,104921E+21	6,104789E+21	8,195931E+21	1,180373E+22
294	1,589839E+22	1,938288E+22	2,138637E+22	2,138644E+22	1,938336E+22	1,589908E+22	1,180417E+22	8,196163E+21	6,104923E+21	6,104956E+21	8,196264E+21	1,180430E+22
295	1,589903E+22	1,938308E+22	2,138595E+22	2,138549E+22	1,938225E+22	1,589839E+22	1,180398E+22	8,196240E+21	6,105089E+21	6,105136E+21	8,196317E+21	1,180405E+22
296	1,589850E+22	1,938226E+22	2,138519E+22	2,138546E+22	1,938267E+22	1,589881E+22	1,180441E+22	8,196683E+21	6,105460E+21	6,105337E+21	8,196285E+21	1,180385E+22
297	1,589847E+22	1,938283E+22	2,138602E+22	2,138603E+22	1,938284E+22	1,589859E+22	1,180407E+22	8,196537E+21	6,105614E+21	6,105775E+21	8,196981E+21	1,180459E+22
298	1,589875E+22	1,938231E+22	2,138487E+22	2,138469E+22	1,938201E+22	1,589842E+22	1,180428E+22	8,196876E+21	6,105918E+21	6,105932E+21	8,196914E+21	1,180426E+22
299	1,589816E+22	1,938171E+22	2,138486E+22	2,138522E+22	1,938253E+22	1,589887E+22	1,180467E+22	8,197219E+21	6,106222E+21	6,106157E+21	8,197070E+21	1,180457E+22
300	1,589885E+22	1,938243E+22	2,138505E+22	2,138494E+22	1,938196E+22	1,589826E+22	1,180431E+22	8,197163E+21	6,106435E+21	6,106595E+21	8,197574E+21	1,180482E+22
301	1,589867E+22	1,938186E+22	2,138395E+22	2,138373E+22	1,938148E+22	1,589849E+22	1,180486E+22	8,197704E+21	6,106771E+21	6,106628E+21	8,197262E+21	1,180419E+22
302	1,589795E+22	1,938171E+22	2,138490E+22	2,138500E+22	1,938221E+22	1,589867E+22	1,180478E+22	8,197672E+21	6,106890E+21	6,106855E+21	8,197581E+21	1,180470E+22
303	1,589858E+22	1,938202E+22	2,138465E+22	2,138438E+22	1,938144E+22	1,589800E+22	1,180436E+22	8,197484E+21	6,106874E+21	6,106986E+21	8,197761E+21	1,180467E+22
304	1,589814E+22	1,938111E+22	2,138356E+22	2,138394E+22	1,938180E+22	1,589862E+22	1,180486E+22	8,197752E+21	6,106904E+21	6,106791E+21	8,197407E+21	1,180432E+22
305	1,589806E+22	1,938170E+22	2,138470E+22	2,138484E+22	1,938220E+22	1,589861E+22	1,180458E+22	8,197391E+21	6,106632E+21	6,106727E+21	8,197679E+21	1,180499E+22
306	1,589880E+22	1,938192E+22	2,138423E+22	2,138394E+22	1,938137E+22	1,589819E+22	1,180447E+22	8,197318E+21	6,106444E+21	6,106415E+21	8,197231E+21	1,180440E+22
307	1,589821E+22	1,938156E+22	2,138444E+22	2,138474E+22	1,938215E+22	1,589868E+22	1,180471E+22	8,197354E+21	6,106298E+21	6,106118E+21	8,196891E+21	1,180427E+22
308	1,589864E+22	1,938258E+22	2,138543E+22	2,138531E+22	1,938223E+22	1,589826E+22	1,180409E+22	8,196820E+21	6,106004E+21	6,106134E+21	8,197187E+21	1,180459E+22
309	1,589865E+22	1,938222E+22	2,138472E+22	2,138444E+22	1,938191E+22	1,589848E+22	1,180439E+22	8,196909E+21	6,105839E+21	6,105753E+21	8,196647E+21	1,180396E+22
310	1,589796E+22	1,938186E+22	2,138541E+22	2,138579E+22	1,938292E+22	1,589897E+22	1,180446E+22	8,196787E+21	6,105689E+21	6,105635E+21	8,196656E+21	1,180434E+22
311	1,589885E+22	1,938267E+22	2,138553E+22	2,138546E+22	1,938231E+22	1,589830E+22	1,180396E+22	8,196460E+21	6,105517E+21	6,105657E+21	8,196822E+21	1,180441E+22
312	1,589864E+22	1,938210E+22	2,138451E+22	2,138461E+22	1,938228E+22	1,589875E+22	1,180449E+22	8,196854E+21	6,105674E+21	6,105539E+21	8,196441E+21	1,180388E+22

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	1,589819E+22	1,938235E+22	2,138565E+22	2,138562E+22	1,938271E+22	1,589884E+22	1,180440E+22	8,196785E+21	6,105742E+21	6,105766E+21	8,196851E+21	1,180450E+22
314	1,589885E+22	1,938254E+22	2,138526E+22	2,138486E+22	1,938176E+22	1,589812E+22	1,180414E+22	8,196832E+21	6,105917E+21	6,105967E+21	8,196926E+21	1,180423E+22
315	1,589817E+22	1,938160E+22	2,138451E+22	2,138490E+22	1,938228E+22	1,589865E+22	1,180458E+22	8,197255E+21	6,106265E+21	6,106146E+21	8,196944E+21	1,180422E+22
316	1,589834E+22	1,938213E+22	2,138502E+22	2,138510E+22	1,938227E+22	1,589839E+22	1,180424E+22	8,197087E+21	6,106417E+21	6,106617E+21	8,197642E+21	1,180493E+22
317	1,589874E+22	1,938189E+22	2,138406E+22	2,138365E+22	1,938125E+22	1,589824E+22	1,180461E+22	8,197525E+21	6,106728E+21	6,106725E+21	8,197477E+21	1,180445E+22
318	1,589798E+22	1,938119E+22	2,138413E+22	2,138440E+22	1,938191E+22	1,589868E+22	1,180497E+22	8,197913E+21	6,107100E+21	6,106978E+21	8,197586E+21	1,180463E+22
319	1,589858E+22	1,938202E+22	2,138451E+22	2,138424E+22	1,938133E+22	1,589794E+22	1,180445E+22	8,197745E+21	6,107258E+21	6,107403E+21	8,198113E+21	1,180491E+22
320	1,589833E+22	1,938127E+22	2,138337E+22	2,138319E+22	1,938103E+22	1,589823E+22	1,180494E+22	8,198220E+21	6,107576E+21	6,107468E+21	8,197866E+21	1,180434E+22
321	1,589754E+22	1,938083E+22	2,138394E+22	2,138425E+22	1,938181E+22	1,589861E+22	1,180501E+22	8,198210E+21	6,107635E+21	6,107636E+21	8,198214E+21	1,180499E+22
322	1,589841E+22	1,938132E+22	2,138371E+22	2,138361E+22	1,938103E+22	1,589794E+22	1,180462E+22	8,198002E+21	6,107544E+21	6,107659E+21	8,198280E+21	1,180491E+22
323	1,589803E+22	1,938062E+22	2,138286E+22	2,138324E+22	1,938131E+22	1,589848E+22	1,180509E+22	8,198279E+21	6,107545E+21	6,107384E+21	8,197867E+21	1,180461E+22
324	1,589808E+22	1,938132E+22	2,138394E+22	2,138396E+22	1,938156E+22	1,589835E+22	1,180472E+22	8,197882E+21	6,107309E+21	6,107386E+21	8,198137E+21	1,180515E+22
325	1,589877E+22	1,938174E+22	2,138384E+22	2,138325E+22	1,938069E+22	1,589793E+22	1,180468E+22	8,197821E+21	6,107110E+21	6,107076E+21	8,197688E+21	1,180448E+22
326	1,589792E+22	1,938105E+22	2,138397E+22	2,138434E+22	1,938177E+22	1,589847E+22	1,180483E+22	8,197834E+21	6,106986E+21	6,106815E+21	8,197387E+21	1,180437E+22
327	1,589836E+22	1,938208E+22	2,138484E+22	2,138478E+22	1,938189E+22	1,589810E+22	1,180415E+22	8,197185E+21	6,106599E+21	6,106782E+21	8,197705E+21	1,180482E+22
328	1,589852E+22	1,938173E+22	2,138407E+22	2,138381E+22	1,938149E+22	1,589837E+22	1,180451E+22	8,197304E+21	6,106448E+21	6,106401E+21	8,197141E+21	1,180417E+22
329	1,589784E+22	1,938127E+22	2,138450E+22	2,138491E+22	1,938237E+22	1,589888E+22	1,180476E+22	8,197350E+21	6,106371E+21	6,106289E+21	8,197127E+21	1,180452E+22
330	1,589877E+22	1,938226E+22	2,138487E+22	2,138474E+22	1,938177E+22	1,589812E+22	1,180421E+22	8,197054E+21	6,106260E+21	6,106342E+21	8,197248E+21	1,180446E+22
331	1,589837E+22	1,938166E+22	2,138405E+22	2,138409E+22	1,938173E+22	1,589847E+22	1,180466E+22	8,197447E+21	6,106459E+21	6,106281E+21	8,196972E+21	1,180405E+22
332	1,589791E+22	1,938166E+22	2,138480E+22	2,138487E+22	1,938216E+22	1,589854E+22	1,180451E+22	8,197341E+21	6,106578E+21	6,106634E+21	8,197511E+21	1,180474E+22
333	1,589863E+22	1,938196E+22	2,138448E+22	2,138403E+22	1,938118E+22	1,589798E+22	1,180439E+22	8,197392E+21	6,106712E+21	6,106813E+21	8,197602E+21	1,180451E+22
334	1,589793E+22	1,938086E+22	2,138362E+22	2,138410E+22	1,938175E+22	1,589852E+22	1,180485E+22	8,197869E+21	6,107086E+21	6,106975E+21	8,197564E+21	1,180446E+22
335	1,589824E+22	1,938168E+22	2,138423E+22	2,138422E+22	1,938164E+22	1,589817E+22	1,180444E+22	8,197661E+21	6,107206E+21	6,107401E+21	8,198212E+21	1,180517E+22
336	1,589866E+22	1,938153E+22	2,138346E+22	2,138289E+22	1,938062E+22	1,589799E+22	1,180478E+22	8,198112E+21	6,107571E+21	6,107556E+21	8,198026E+21	1,180457E+22
337	1,589769E+22	1,938057E+22	2,138336E+22	2,138364E+22	1,938133E+22	1,589850E+22	1,180525E+22	8,198583E+21	6,107972E+21	6,107836E+21	8,198192E+21	1,180477E+22
338	1,589825E+22	1,938133E+22	2,138376E+22	2,138369E+22	1,938095E+22	1,589777E+22	1,180465E+22	8,198350E+21	6,108088E+21	6,108229E+21	8,198715E+21	1,180508E+22
339	1,589798E+22	1,938051E+22	2,138256E+22	2,138258E+22	1,938065E+22	1,589814E+22	1,180516E+22	8,198767E+21	6,108321E+21	6,108228E+21	8,198510E+21	1,180472E+22
340	1,589743E+22	1,938010E+22	2,138281E+22	2,138322E+22	1,938118E+22	1,589844E+22	1,180523E+22	8,198741E+21	6,108358E+21	6,108385E+21	8,198821E+21	1,180533E+22
341	1,589846E+22	1,938100E+22	2,138294E+22	2,138259E+22	1,938022E+22	1,589773E+22	1,180491E+22	8,198556E+21	6,108232E+21	6,108330E+21	8,198773E+21	1,180510E+22
342	1,589793E+22	1,938028E+22	2,138231E+22	2,138255E+22	1,938069E+22	1,589820E+22	1,180526E+22	8,198816E+21	6,108257E+21	6,108057E+21	8,198287E+21	1,180466E+22
343	1,589793E+22	1,938113E+22	2,138358E+22	2,138344E+22	1,938100E+22	1,589800E+22	1,180473E+22	8,198285E+21	6,107942E+21	6,108033E+21	8,198582E+21	1,180524E+22
344	1,589853E+22	1,938135E+22	2,138346E+22	2,138293E+22	1,938038E+22	1,589771E+22	1,180467E+22	8,198181E+21	6,107728E+21	6,107727E+21	8,198156E+21	1,180459E+22
345	1,589761E+22	1,938037E+22	2,138321E+22	2,138380E+22	1,938153E+22	1,589849E+22	1,180507E+22	8,198280E+21	6,107585E+21	6,107438E+21	8,197880E+21	1,180457E+22
346	1,589817E+22	1,938147E+22	2,138408E+22	2,138422E+22	1,938157E+22	1,589809E+22	1,180443E+22	8,197680E+21	6,107199E+21	6,107353E+21	8,198106E+21	1,180495E+22
347	1,589833E+22	1,938123E+22	2,138340E+22	2,138321E+22	1,938106E+22	1,589830E+22	1,180480E+22	8,197861E+21	6,107101E+21	6,107004E+21	8,197596E+21	1,180439E+22
348	1,589773E+22	1,938077E+22	2,138364E+22	2,138398E+22	1,938168E+22	1,589864E+22	1,180497E+22	8,197925E+21	6,107138E+21	6,107041E+21	8,197656E+21	1,180467E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
349	1,589858E+22	1,938187E+22	2,138426E+22	2,138391E+22	1,938100E+22	1,589783E+22	1,180445E+22	8,197647E+21	6,107062E+21	6,107157E+21	8,197848E+21	1,180462E+22
350	1,589804E+22	1,938100E+22	2,138334E+22	2,138350E+22	1,938124E+22	1,589820E+22	1,180477E+22	8,197998E+21	6,107288E+21	6,107147E+21	8,197625E+21	1,180427E+22
351	1,589772E+22	1,938114E+22	2,138398E+22	2,138409E+22	1,938160E+22	1,589827E+22	1,180456E+22	8,197780E+21	6,107312E+21	6,107443E+21	8,198182E+21	1,180510E+22
352	1,589858E+22	1,938148E+22	2,138371E+22	2,138326E+22	1,938060E+22	1,589775E+22	1,180451E+22	8,197883E+21	6,107454E+21	6,107582E+21	8,198194E+21	1,180480E+22
353	1,589785E+22	1,938035E+22	2,138275E+22	2,138321E+22	1,938113E+22	1,589838E+22	1,180517E+22	8,198507E+21	6,107878E+21	6,107740E+21	8,198108E+21	1,180465E+22
354	1,589808E+22	1,938122E+22	2,138359E+22	2,138357E+22	1,938109E+22	1,589799E+22	1,180473E+22	8,198326E+21	6,108042E+21	6,108174E+21	8,198688E+21	1,180519E+22
355	1,589830E+22	1,938098E+22	2,138292E+22	2,138242E+22	1,938018E+22	1,589782E+22	1,180504E+22	8,198766E+21	6,108415E+21	6,108376E+21	8,198625E+21	1,180474E+22
356	1,589733E+22	1,937977E+22	2,138234E+22	2,138281E+22	1,938083E+22	1,589833E+22	1,180547E+22	8,199201E+21	6,108844E+21	6,108735E+21	8,198881E+21	1,180501E+22
357	1,589797E+22	1,938065E+22	2,138283E+22	2,138274E+22	1,938033E+22	1,589769E+22	1,180498E+22	8,198954E+21	6,108889E+21	6,109057E+21	8,199375E+21	1,180538E+22
358	1,589777E+22	1,937981E+22	2,138161E+22	2,138173E+22	1,938006E+22	1,589795E+22	1,180541E+22	8,199367E+21	6,109099E+21	6,108995E+21	8,199077E+21	1,180497E+22
359	1,589742E+22	1,937979E+22	2,138205E+22	2,138230E+22	1,938044E+22	1,589810E+22	1,180535E+22	8,199235E+21	6,109051E+21	6,109074E+21	8,199331E+21	1,180557E+22
360	1,589845E+22	1,938082E+22	2,138252E+22	2,138196E+22	1,937959E+22	1,589738E+22	1,180496E+22	8,199015E+21	6,108919E+21	6,109004E+21	8,199229E+21	1,180521E+22
361	1,589772E+22	1,937987E+22	2,138180E+22	2,138204E+22	1,938021E+22	1,589798E+22	1,180542E+22	8,199304E+21	6,108927E+21	6,108732E+21	8,198775E+21	1,180477E+22
362	1,589763E+22	1,938058E+22	2,138308E+22	2,138317E+22	1,938080E+22	1,589789E+22	1,180487E+22	8,198719E+21	6,108566E+21	6,108661E+21	8,199033E+21	1,180534E+22
363	1,589821E+22	1,938074E+22	2,138284E+22	2,138256E+22	1,938020E+22	1,589771E+22	1,180487E+22	8,198595E+21	6,108290E+21	6,108314E+21	8,198651E+21	1,180485E+22
364	1,589745E+22	1,937972E+22	2,138216E+22	2,138288E+22	1,938101E+22	1,589842E+22	1,180534E+22	8,198786E+21	6,108228E+21	6,108077E+21	8,198367E+21	1,180478E+22
365	1,589807E+22	1,938108E+22	2,138332E+22	2,138328E+22	1,938088E+22	1,589796E+22	1,180476E+22	8,198255E+21	6,107890E+21	6,108003E+21	8,198550E+21	1,180506E+22
366	1,589810E+22	1,938076E+22	2,138276E+22	2,138251E+22	1,938043E+22	1,589800E+22	1,180499E+22	8,198449E+21	6,107875E+21	6,107745E+21	8,198073E+21	1,180446E+22
367	1,589752E+22	1,938042E+22	2,138305E+22	2,138329E+22	1,938101E+22	1,589824E+22	1,180501E+22	8,198396E+21	6,107871E+21	6,107815E+21	8,198248E+21	1,180488E+22
368	1,589836E+22	1,938140E+22	2,138366E+22	2,138335E+22	1,938053E+22	1,589753E+22	1,180445E+22	8,198077E+21	6,107787E+21	6,107936E+21	8,198468E+21	1,180488E+22
369	1,589781E+22	1,938034E+22	2,138246E+22	2,138276E+22	1,938080E+22	1,589811E+22	1,180499E+22	8,198499E+21	6,107991E+21	6,107897E+21	8,198242E+21	1,180458E+22
370	1,589761E+22	1,938058E+22	2,138322E+22	2,138346E+22	1,938116E+22	1,589816E+22	1,180482E+22	8,198342E+21	6,108027E+21	6,108132E+21	8,198675E+21	1,180530E+22
371	1,589846E+22	1,938105E+22	2,138305E+22	2,138264E+22	1,938015E+22	1,589765E+22	1,180481E+22	8,198507E+21	6,108217E+21	6,108307E+21	8,198723E+21	1,180500E+22
372	1,589768E+22	1,937984E+22	2,138188E+22	2,138229E+22	1,938047E+22	1,589819E+22	1,180549E+22	8,199214E+21	6,108780E+21	6,108607E+21	8,198702E+21	1,180477E+22
373	1,589776E+22	1,938069E+22	2,138292E+22	2,138277E+22	1,938041E+22	1,589780E+22	1,180507E+22	8,199046E+21	6,108970E+21	6,109086E+21	8,199338E+21	1,180533E+22
374	1,589785E+22	1,938016E+22	2,138204E+22	2,138177E+22	1,937972E+22	1,589762E+22	1,180526E+22	8,199431E+21	6,109341E+21	6,109317E+21	8,199325E+21	1,180499E+22
375	1,589712E+22	1,937915E+22	2,138132E+22	2,138183E+22	1,938018E+22	1,589808E+22	1,180561E+22	8,199715E+21	6,109627E+21	6,109584E+21	8,199591E+21	1,180541E+22
376	1,589792E+22	1,938016E+22	2,138196E+22	2,138180E+22	1,937963E+22	1,589739E+22	1,180511E+22	8,199474E+21	6,109630E+21	6,109801E+21	8,199950E+21	1,180568E+22
377	1,589774E+22	1,937941E+22	2,138085E+22	2,138086E+22	1,937940E+22	1,589771E+22	1,180563E+22	8,199919E+21	6,109816E+21	6,109686E+21	8,199572E+21	1,180517E+22
378	1,589732E+22	1,937948E+22	2,138164E+22	2,138182E+22	1,937990E+22	1,589779E+22	1,180548E+22	8,199742E+21	6,109735E+21	6,109712E+21	8,199720E+21	1,180559E+22
379	1,589815E+22	1,938039E+22	2,138215E+22	2,138172E+22	1,937934E+22	1,589721E+22	1,180509E+22	8,199473E+21	6,109548E+21	6,109642E+21	8,199710E+21	1,180534E+22
380	1,589739E+22	1,937922E+22	2,138101E+22	2,138145E+22	1,937991E+22	1,589791E+22	1,180560E+22	8,199762E+21	6,109581E+21	6,109413E+21	8,199302E+21	1,180494E+22
381	1,589734E+22	1,937997E+22	2,138230E+22	2,138240E+22	1,938037E+22	1,589793E+22	1,180520E+22	8,199222E+21	6,109192E+21	6,109288E+21	8,199507E+21	1,180552E+22
382	1,589795E+22	1,938008E+22	2,138200E+22	2,138186E+22	1,937979E+22	1,589764E+22	1,180517E+22	8,199150E+21	6,108963E+21	6,108953E+21	8,199083E+21	1,180500E+22
383	1,589741E+22	1,937942E+22	2,138137E+22	2,138193E+22	1,938032E+22	1,589813E+22	1,180547E+22	8,199262E+21	6,108885E+21	6,108732E+21	8,198846E+21	1,180498E+22
384	1,589798E+22	1,938079E+22	2,138280E+22	2,138257E+22	1,938021E+22	1,589758E+22	1,180483E+22	8,198744E+21	6,108596E+21	6,108693E+21	8,199039E+21	1,180521E+22

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	1,589787E+22	1,938028E+22	2,138215E+22	2,138192E+22	1,937990E+22	1,589769E+22	1,180510E+22	8,198943E+21	6,108589E+21	6,108488E+21	8,198659E+21	1,180469E+22
386	1,589727E+22	1,937984E+22	2,138247E+22	2,138286E+22	1,938063E+22	1,589799E+22	1,180508E+22	8,198839E+21	6,108549E+21	6,108524E+21	8,198805E+21	1,180512E+22
387	1,589816E+22	1,938084E+22	2,138298E+22	2,138281E+22	1,938021E+22	1,589746E+22	1,180465E+22	8,198533E+21	6,108420E+21	6,108620E+21	8,199062E+21	1,180522E+22
388	1,589774E+22	1,937981E+22	2,138149E+22	2,138179E+22	1,938020E+22	1,589798E+22	1,180529E+22	8,199094E+21	6,108746E+21	6,108639E+21	8,198790E+21	1,180481E+22
389	1,589751E+22	1,938022E+22	2,138252E+22	2,138252E+22	1,938048E+22	1,589804E+22	1,180520E+22	8,199043E+21	6,108872E+21	6,108910E+21	8,199165E+21	1,180537E+22
390	1,589814E+22	1,938050E+22	2,138240E+22	2,138201E+22	1,937962E+22	1,589742E+22	1,180509E+22	8,199238E+21	6,109161E+21	6,109193E+21	8,199265E+21	1,180505E+22
391	1,589735E+22	1,937930E+22	2,138110E+22	2,138150E+22	1,937986E+22	1,589787E+22	1,180564E+22	8,199833E+21	6,109681E+21	6,109536E+21	8,199403E+21	1,180501E+22
392	1,589741E+22	1,937998E+22	2,138209E+22	2,138205E+22	1,937991E+22	1,589754E+22	1,180520E+22	8,199630E+21	6,109832E+21	6,109975E+21	8,200041E+21	1,180564E+22
393	1,589758E+22	1,937937E+22	2,138100E+22	2,138083E+22	1,937915E+22	1,589748E+22	1,180553E+22	8,200029E+21	6,110141E+21	6,110149E+21	8,200012E+21	1,180536E+22
394	1,589701E+22	1,937855E+22	2,138050E+22	2,138105E+22	1,937957E+22	1,589783E+22	1,180582E+22	8,200286E+21	6,110369E+21	6,110303E+21	8,200122E+21	1,180566E+22
395	1,589786E+22	1,937980E+22	2,138135E+22	2,138112E+22	1,937911E+22	1,589719E+22	1,180531E+22	8,200000E+21	6,110320E+21	6,110489E+21	8,200469E+21	1,180589E+22
396	1,589761E+22	1,937901E+22	2,138015E+22	2,138003E+22	1,937875E+22	1,589745E+22	1,180582E+22	8,200481E+21	6,110573E+21	6,110430E+21	8,200087E+21	1,180529E+22
397	1,589707E+22	1,937906E+22	2,138114E+22	2,138124E+22	1,937944E+22	1,589764E+22	1,180569E+22	8,200287E+21	6,110470E+21	6,110434E+21	8,200226E+21	1,180570E+22
398	1,589777E+22	1,937968E+22	2,138144E+22	2,138127E+22	1,937913E+22	1,589713E+22	1,180527E+22	8,199976E+21	6,110259E+21	6,110354E+21	8,200210E+21	1,180551E+22
399	1,589723E+22	1,937870E+22	2,138014E+22	2,138060E+22	1,937942E+22	1,589776E+22	1,180576E+22	8,200186E+21	6,110187E+21	6,110062E+21	8,199835E+21	1,180523E+22
400	1,589726E+22	1,937952E+22	2,138157E+22	2,138160E+22	1,937978E+22	1,589769E+22	1,180537E+22	8,199702E+21	6,109812E+21	6,109873E+21	8,199925E+21	1,180568E+22
401	1,589783E+22	1,937968E+22	2,138130E+22	2,138104E+22	1,937917E+22	1,589741E+22	1,180537E+22	8,199671E+21	6,109621E+21	6,109578E+21	8,199514E+21	1,180513E+22
402	1,589723E+22	1,937905E+22	2,138098E+22	2,138143E+22	1,937976E+22	1,589779E+22	1,180556E+22	8,199734E+21	6,109542E+21	6,109365E+21	8,199262E+21	1,180505E+22
403	1,589771E+22	1,938033E+22	2,138235E+22	2,138221E+22	1,937990E+22	1,589737E+22	1,180491E+22	8,199165E+21	6,109221E+21	6,109367E+21	8,199589E+21	1,180542E+22
404	1,589762E+22	1,937965E+22	2,138134E+22	2,138120E+22	1,937950E+22	1,589756E+22	1,180527E+22	8,199416E+21	6,109278E+21	6,109217E+21	8,199247E+21	1,180497E+22
405	1,589711E+22	1,937932E+22	2,138173E+22	2,138207E+22	1,938016E+22	1,589795E+22	1,180538E+22	8,199392E+21	6,109254E+21	6,109222E+21	8,199327E+21	1,180534E+22
406	1,589798E+22	1,938025E+22	2,138219E+22	2,138213E+22	1,937981E+22	1,589737E+22	1,180496E+22	8,199178E+21	6,109216E+21	6,109362E+21	8,199540E+21	1,180538E+22
407	1,589768E+22	1,937949E+22	2,138075E+22	2,138085E+22	1,937952E+22	1,589772E+22	1,180551E+22	8,199707E+21	6,109570E+21	6,109452E+21	8,199366E+21	1,180500E+22
408	1,589728E+22	1,937976E+22	2,138191E+22	2,138178E+22	1,937982E+22	1,589770E+22	1,180540E+22	8,199709E+21	6,109767E+21	6,109769E+21	8,199754E+21	1,180549E+22
409	1,589775E+22	1,937980E+22	2,138161E+22	2,138131E+22	1,937913E+22	1,589719E+22	1,180530E+22	8,199893E+21	6,110067E+21	6,110122E+21	8,199984E+21	1,180532E+22
410	1,589702E+22	1,937853E+22	2,138028E+22	2,138081E+22	1,937936E+22	1,589763E+22	1,180577E+22	8,200385E+21	6,110501E+21	6,110390E+21	8,200080E+21	1,180534E+22
411	1,589723E+22	1,937926E+22	2,138114E+22	2,138122E+22	1,937943E+22	1,589741E+22	1,180543E+22	8,200158E+21	6,110558E+21	6,110758E+21	8,200716E+21	1,180603E+22
412	1,589754E+22	1,937880E+22	2,137997E+22	2,137973E+22	1,937840E+22	1,589724E+22	1,180579E+22	8,200639E+21	6,110927E+21	6,110922E+21	8,200592E+21	1,180564E+22
413	1,589698E+22	1,937824E+22	2,137986E+22	2,138011E+22	1,937883E+22	1,589758E+22	1,180607E+22	8,200913E+21	6,111168E+21	6,111047E+21	8,200598E+21	1,180575E+22
414	1,589760E+22	1,937933E+22	2,138082E+22	2,138059E+22	1,937866E+22	1,589696E+22	1,180551E+22	8,200611E+21	6,111137E+21	6,111260E+21	8,200931E+21	1,180594E+22
415	1,589738E+22	1,937859E+22	2,137955E+22	2,137940E+22	1,937829E+22	1,589719E+22	1,180590E+22	8,200949E+21	6,111292E+21	6,111188E+21	8,200656E+21	1,180547E+22
416	1,589678E+22	1,937845E+22	2,138048E+22	2,138067E+22	1,937908E+22	1,589747E+22	1,180583E+22	8,200760E+21	6,111138E+21	6,111100E+21	8,200721E+21	1,180588E+22
417	1,589752E+22	1,937900E+22	2,138059E+22	2,138055E+22	1,937875E+22	1,589709E+22	1,180553E+22	8,200478E+21	6,110890E+21	6,110984E+21	8,200699E+21	1,180574E+22
418	1,589707E+22	1,937818E+22	2,137949E+22	2,137993E+22	1,937891E+22	1,589757E+22	1,180595E+22	8,200668E+21	6,110793E+21	6,110629E+21	8,200227E+21	1,180538E+22
419	1,589715E+22	1,937912E+22	2,138101E+22	2,138096E+22	1,937932E+22	1,589753E+22	1,180555E+22	8,200163E+21	6,110410E+21	6,110478E+21	8,200378E+21	1,180582E+22
420	1,589764E+22	1,937924E+22	2,138067E+22	2,138027E+22	1,937853E+22	1,589713E+22	1,180553E+22	8,200195E+21	6,110331E+21	6,110290E+21	8,200036E+21	1,180529E+22

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°
421	1,589700E+22	1,937860E+22	2,138046E+22	2,138083E+22	1,937930E+22	1,589758E+22	1,180569E+22	8,200233E+21	6,110261E+21	6,110097E+21	8,199808E+21	1,180524E+22
422	1,589744E+22	1,937967E+22	2,138164E+22	2,138168E+22	1,937963E+22	1,589727E+22	1,180507E+22	8,199655E+21	6,109940E+21	6,110104E+21	8,200127E+21	1,180568E+22
423	1,589760E+22	1,937921E+22	2,138050E+22	2,138030E+22	1,937894E+22	1,589738E+22	1,180542E+22	8,199870E+21	6,109943E+21	6,109928E+21	8,199825E+21	1,180529E+22
424	1,589710E+22	1,937894E+22	2,138106E+22	2,138128E+22	1,937956E+22	1,589769E+22	1,180558E+22	8,199964E+21	6,109985E+21	6,109901E+21	8,199785E+21	1,180549E+22
425	1,589782E+22	1,937981E+22	2,138151E+22	2,138134E+22	1,937923E+22	1,589716E+22	1,180522E+22	8,199812E+21	6,110030E+21	6,110136E+21	8,200054E+21	1,180548E+22
426	1,589735E+22	1,937894E+22	2,138026E+22	2,138029E+22	1,937896E+22	1,589743E+22	1,180568E+22	8,200316E+21	6,110404E+21	6,110268E+21	8,199924E+21	1,180511E+22
427	1,589691E+22	1,937904E+22	2,138120E+22	2,138124E+22	1,937948E+22	1,589756E+22	1,180558E+22	8,200256E+21	6,110561E+21	6,110627E+21	8,200444E+21	1,180573E+22
428	1,589740E+22	1,937895E+22	2,138052E+22	2,138031E+22	1,937856E+22	1,589707E+22	1,180557E+22	8,200513E+21	6,110918E+21	6,111009E+21	8,200698E+21	1,180567E+22
429	1,589688E+22	1,937788E+22	2,137932E+22	2,137977E+22	1,937872E+22	1,589752E+22	1,180608E+22	8,201030E+21	6,111329E+21	6,111205E+21	8,200692E+21	1,180563E+22
430	1,589713E+22	1,937868E+22	2,138024E+22	2,138033E+22	1,937884E+22	1,589722E+22	1,180570E+22	8,200828E+21	6,111415E+21	6,111555E+21	8,201229E+21	1,180624E+22
431	1,589756E+22	1,937853E+22	2,137927E+22	2,137876E+22	1,937761E+22	1,589688E+22	1,180593E+22	8,201212E+21	6,111734E+21	6,111728E+21	8,201167E+21	1,180584E+22
432	1,589683E+22	1,937789E+22	2,137942E+22	2,137953E+22	1,937820E+22	1,589718E+22	1,180618E+22	8,201492E+21	6,111965E+21	6,111817E+21	8,201124E+21	1,180585E+22
433	1,589726E+22	1,937871E+22	2,138018E+22	2,138007E+22	1,937832E+22	1,589680E+22	1,180567E+22	8,201145E+21	6,111901E+21	6,112045E+21	8,201527E+21	1,180613E+22
434	1,589703E+22	1,937790E+22	2,137893E+22	2,137890E+22	1,937796E+22	1,589709E+22	1,180605E+22	8,201389E+21	6,111940E+21	6,111865E+21	8,201184E+21	1,180571E+22
435	1,589661E+22	1,937782E+22	2,137967E+22	2,137999E+22	1,937873E+22	1,589746E+22	1,180608E+22	8,201195E+21	6,111709E+21	6,111713E+21	8,201218E+21	1,180609E+22
436	1,589739E+22	1,937847E+22	2,137970E+22	2,137959E+22	1,937811E+22	1,589694E+22	1,180580E+22	8,201033E+21	6,111565E+21	6,111619E+21	8,201144E+21	1,180590E+22
437	1,589698E+22	1,937786E+22	2,137893E+22	2,137912E+22	1,937827E+22	1,589735E+22	1,180615E+22	8,201215E+21	6,111496E+21	6,111278E+21	8,200635E+21	1,180544E+22
438	1,589689E+22	1,937862E+22	2,138046E+22	2,138046E+22	1,937890E+22	1,589730E+22	1,180570E+22	8,200694E+21	6,111142E+21	6,111182E+21	8,200826E+21	1,180593E+22
439	1,589749E+22	1,937880E+22	2,138005E+22	2,137963E+22	1,937805E+22	1,589686E+22	1,180556E+22	8,200587E+21	6,110985E+21	6,111015E+21	8,200638E+21	1,180558E+22
440	1,589685E+22	1,937809E+22	2,137983E+22	2,138023E+22	1,937884E+22	1,589735E+22	1,180579E+22	8,200661E+21	6,110887E+21	6,110748E+21	8,200326E+21	1,180548E+22
441	1,589730E+22	1,937912E+22	2,138086E+22	2,138097E+22	1,937923E+22	1,589721E+22	1,180531E+22	8,200160E+21	6,110594E+21	6,110764E+21	8,200633E+21	1,180591E+22
442	1,589749E+22	1,937880E+22	2,137997E+22	2,137966E+22	1,937841E+22	1,589718E+22	1,180559E+22	8,200374E+21	6,110612E+21	6,110568E+21	8,200255E+21	1,180542E+22
443	1,589696E+22	1,937851E+22	2,138046E+22	2,138062E+22	1,937908E+22	1,589756E+22	1,180582E+22	8,200505E+21	6,110705E+21	6,110629E+21	8,200293E+21	1,180556E+22
444	1,589749E+22	1,937920E+22	2,138077E+22	2,138057E+22	1,937862E+22	1,589695E+22	1,180547E+22	8,200472E+21	6,110899E+21	6,110993E+21	8,200672E+21	1,180565E+22
445	1,589702E+22	1,937825E+22	2,137948E+22	2,137954E+22	1,937845E+22	1,589726E+22	1,180589E+22	8,200956E+21	6,111293E+21	6,111163E+21	8,200595E+21	1,180535E+22
446	1,589660E+22	1,937819E+22	2,138017E+22	2,138041E+22	1,937903E+22	1,589748E+22	1,180585E+22	8,200894E+21	6,111436E+21	6,111510E+21	8,201099E+21	1,180607E+22
447	1,589740E+22	1,937840E+22	2,137949E+22	2,137916E+22	1,937775E+22	1,589678E+22	1,180576E+22	8,201085E+21	6,111729E+21	6,111860E+21	8,201385E+21	1,180605E+22
448	1,589690E+22	1,937751E+22	2,137859E+22	2,137884E+22	1,937789E+22	1,589710E+22	1,180624E+22	8,201656E+21	6,112150E+21	6,111981E+21	8,201223E+21	1,180581E+22
449	1,589700E+22	1,937828E+22	2,137963E+22	2,137958E+22	1,937820E+22	1,589693E+22	1,180589E+22	8,201453E+21	6,112261E+21	6,112376E+21	8,201780E+21	1,180635E+22
450	1,589725E+22	1,937805E+22	2,137890E+22	2,137835E+22	1,937713E+22	1,589658E+22	1,180603E+22	8,201738E+21	6,112509E+21	6,112503E+21	8,201704E+21	1,180595E+22
451	1,589649E+22	1,937724E+22	2,137880E+22	2,137912E+22	1,937800E+22	1,589714E+22	1,180635E+22	8,201953E+21	6,112656E+21	6,112574E+21	8,201718E+21	1,180601E+22
452	1,589690E+22	1,937793E+22	2,137924E+22	2,137927E+22	1,937791E+22	1,589682E+22	1,180598E+22	8,201708E+21	6,112623E+21	6,112777E+21	8,202101E+21	1,180638E+22
453	1,589684E+22	1,937727E+22	2,137806E+22	2,137806E+22	1,937748E+22	1,589708E+22	1,180638E+22	8,201974E+21	6,112648E+21	6,112537E+21	8,201666E+21	1,180590E+22
454	1,589646E+22	1,937725E+22	2,137881E+22	2,137919E+22	1,937825E+22	1,589738E+22	1,180637E+22	8,201789E+21	6,112440E+21	6,112382E+21	8,201636E+21	1,180623E+22
455	1,589737E+22	1,937816E+22	2,137900E+22	2,137866E+22	1,937734E+22	1,589661E+22	1,180593E+22	8,201524E+21	6,112263E+21	6,112334E+21	8,201679E+21	1,180610E+22
456	1,589686E+22	1,937753E+22	2,137850E+22	2,137859E+22	1,937763E+22	1,589691E+22	1,180618E+22	8,201687E+21	6,112175E+21	6,111962E+21	8,201145E+21	1,180561E+22

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	1,589668E+22	1,937811E+22	2,137984E+22	2,137994E+22	1,937851E+22	1,589708E+22	1,180575E+22	8,201108E+21	6,111796E+21	6,111886E+21	8,201397E+21	1,180618E+22
458	1,589729E+22	1,937828E+22	2,137950E+22	2,137913E+22	1,937765E+22	1,589669E+22	1,180563E+22	8,200930E+21	6,111533E+21	6,111614E+21	8,201132E+21	1,180585E+22
459	1,589682E+22	1,937766E+22	2,137918E+22	2,137963E+22	1,937848E+22	1,589730E+22	1,180598E+22	8,201041E+21	6,111418E+21	6,111323E+21	8,200773E+21	1,180563E+22
460	1,589717E+22	1,937869E+22	2,138011E+22	2,138010E+22	1,937861E+22	1,589708E+22	1,180561E+22	8,200744E+21	6,111303E+21	6,111416E+21	8,201052E+21	1,180599E+22
461	1,589728E+22	1,937841E+22	2,137941E+22	2,137898E+22	1,937787E+22	1,589704E+22	1,180586E+22	8,201009E+21	6,111420E+21	6,111317E+21	8,200709E+21	1,180543E+22
462	1,589658E+22	1,937783E+22	2,137973E+22	2,138006E+22	1,937869E+22	1,589743E+22	1,180608E+22	8,201167E+21	6,111586E+21	6,111473E+21	8,200840E+21	1,180567E+22
463	1,589720E+22	1,937851E+22	2,137985E+22	2,137971E+22	1,937803E+22	1,589672E+22	1,180563E+22	8,201039E+21	6,111744E+21	6,111897E+21	8,201407E+21	1,180599E+22
464	1,589682E+22	1,937758E+22	2,137861E+22	2,137871E+22	1,937778E+22	1,589696E+22	1,180609E+22	8,201555E+21	6,112105E+21	6,111994E+21	8,201256E+21	1,180568E+22
465	1,589648E+22	1,937756E+22	2,137919E+22	2,137946E+22	1,937836E+22	1,589727E+22	1,180610E+22	8,201523E+21	6,112266E+21	6,112345E+21	8,201744E+21	1,180636E+22
466	1,589730E+22	1,937799E+22	2,137887E+22	2,137838E+22	1,937706E+22	1,589648E+22	1,180591E+22	8,201645E+21	6,112513E+21	6,112637E+21	8,201946E+21	1,180626E+22
467	1,589680E+22	1,937716E+22	2,137805E+22	2,137820E+22	1,937735E+22	1,589688E+22	1,180641E+22	8,202178E+21	6,112916E+21	6,112788E+21	8,201803E+21	1,180592E+22
468	1,589667E+22	1,937771E+22	2,137895E+22	2,137891E+22	1,937766E+22	1,589674E+22	1,180613E+22	8,202092E+21	6,113120E+21	6,113232E+21	8,202405E+21	1,180653E+22
469	1,589693E+22	1,937738E+22	2,137814E+22	2,137777E+22	1,937682E+22	1,589653E+22	1,180625E+22	8,202324E+21	6,113326E+21	6,113326E+21	8,202312E+21	1,180616E+22
470	1,589620E+22	1,937643E+22	2,137778E+22	2,137839E+22	1,937769E+22	1,589719E+22	1,180669E+22	8,202551E+21	6,113426E+21	6,113326E+21	8,202261E+21	1,180628E+22
471	1,589684E+22	1,937740E+22	2,137826E+22	2,137822E+22	1,937720E+22	1,589662E+22	1,180623E+22	8,202252E+21	6,113329E+21	6,113491E+21	8,202664E+21	1,180667E+22
472	1,589682E+22	1,937693E+22	2,137739E+22	2,137720E+22	1,937665E+22	1,589667E+22	1,180654E+22	8,202537E+21	6,113346E+21	6,113187E+21	8,202106E+21	1,180603E+22
473	1,589630E+22	1,937686E+22	2,137819E+22	2,137848E+22	1,937760E+22	1,589707E+22	1,180651E+22	8,202306E+21	6,113152E+21	6,113086E+21	8,202128E+21	1,180634E+22
474	1,589708E+22	1,937777E+22	2,137866E+22	2,137826E+22	1,937685E+22	1,589625E+22	1,180591E+22	8,201888E+21	6,112865E+21	6,112977E+21	8,202170E+21	1,180627E+22
475	1,589665E+22	1,937705E+22	2,137795E+22	2,137817E+22	1,937738E+22	1,589679E+22	1,180623E+22	8,201972E+21	6,112697E+21	6,112579E+21	8,201653E+21	1,180579E+22
476	1,589645E+22	1,937753E+22	2,137907E+22	2,137925E+22	1,937810E+22	1,589704E+22	1,180600E+22	8,201567E+21	6,112390E+21	6,112485E+21	8,201869E+21	1,180641E+22
477	1,589719E+22	1,937783E+22	2,137880E+22	2,137850E+22	1,937728E+22	1,589665E+22	1,180590E+22	8,201453E+21	6,112172E+21	6,112202E+21	8,201516E+21	1,180596E+22
478	1,589666E+22	1,937719E+22	2,137844E+22	2,137897E+22	1,937808E+22	1,589727E+22	1,180632E+22	8,201660E+21	6,112157E+21	6,111979E+21	8,201156E+21	1,180569E+22
479	1,589698E+22	1,937828E+22	2,137944E+22	2,137928E+22	1,937790E+22	1,589681E+22	1,180583E+22	8,201335E+21	6,112098E+21	6,112210E+21	8,201619E+21	1,180613E+22
480	1,589698E+22	1,937787E+22	2,137880E+22	2,137839E+22	1,937722E+22	1,589664E+22	1,180601E+22	8,201626E+21	6,112260E+21	6,112162E+21	8,201341E+21	1,180563E+22
481	1,589624E+22	1,937709E+22	2,137878E+22	2,137930E+22	1,937822E+22	1,589725E+22	1,180625E+22	8,201740E+21	6,112434E+21	6,112381E+21	8,201582E+21	1,180600E+22
482	1,589695E+22	1,937784E+22	2,137900E+22	2,137888E+22	1,937743E+22	1,589649E+22	1,180577E+22	8,201532E+21	6,112487E+21	6,112702E+21	8,202086E+21	1,180638E+22
483	1,589683E+22	1,937712E+22	2,137776E+22	2,137785E+22	1,937717E+22	1,589675E+22	1,180627E+22	8,202044E+21	6,112823E+21	6,112764E+21	8,201856E+21	1,180593E+22
484	1,589639E+22	1,937715E+22	2,137841E+22	2,137850E+22	1,937759E+22	1,589699E+22	1,180636E+22	8,202183E+21	6,113111E+21	6,113149E+21	8,202302E+21	1,180654E+22
485	1,589711E+22	1,937757E+22	2,137828E+22	2,137777E+22	1,937654E+22	1,589626E+22	1,180614E+22	8,202298E+21	6,113385E+21	6,113469E+21	8,202486E+21	1,180634E+22
486	1,589645E+22	1,937653E+22	2,137735E+22	2,137770E+22	1,937705E+22	1,589682E+22	1,180670E+22	8,202834E+21	6,113790E+21	6,113634E+21	8,202381E+21	1,180607E+22
487	1,589638E+22	1,937701E+22	2,137803E+22	2,137807E+22	1,937714E+22	1,589663E+22	1,180638E+22	8,202675E+21	6,113935E+21	6,114086E+21	8,203083E+21	1,180683E+22
488	1,589672E+22	1,937672E+22	2,137728E+22	2,137700E+22	1,937623E+22	1,589634E+22	1,180655E+22	8,202942E+21	6,114087E+21	6,114077E+21	8,202886E+21	1,180642E+22
489	1,589607E+22	1,937585E+22	2,137679E+22	2,137746E+22	1,937709E+22	1,589702E+22	1,180696E+22	8,203149E+21	6,114184E+21	6,114064E+21	8,202804E+21	1,180647E+22
490	1,589665E+22	1,937699E+22	2,137764E+22	2,137743E+22	1,937650E+22	1,589629E+22	1,180635E+22	8,202736E+21	6,113999E+21	6,114148E+21	8,203135E+21	1,180684E+22
491	1,589671E+22	1,937662E+22	2,137693E+22	2,137664E+22	1,937610E+22	1,589636E+22	1,180660E+22	8,202925E+21	6,113963E+21	6,113855E+21	8,202597E+21	1,180612E+22
492	1,589602E+22	1,937638E+22	2,137763E+22	2,137789E+22	1,937706E+22	1,589678E+22	1,180662E+22	8,202784E+21	6,113828E+21	6,113776E+21	8,202665E+21	1,180654E+22

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	1,589685E+22	1,937723E+22	2,137800E+22	2,137781E+22	1,937663E+22	1,589618E+22	1,180604E+22	8,202304E+21	6,113487E+21	6,113618E+21	8,202659E+21	1,180648E+22
494	1,589648E+22	1,937650E+22	2,137717E+22	2,137758E+22	1,937713E+22	1,589684E+22	1,180650E+22	8,202440E+21	6,113296E+21	6,113157E+21	8,202069E+21	1,180600E+22
495	1,589643E+22	1,937714E+22	2,137828E+22	2,137837E+22	1,937748E+22	1,589687E+22	1,180624E+22	8,202070E+21	6,113026E+21	6,113100E+21	8,202311E+21	1,180658E+22
496	1,589709E+22	1,937752E+22	2,137827E+22	2,137785E+22	1,937662E+22	1,589632E+22	1,180611E+22	8,202032E+21	6,112877E+21	6,112846E+21	8,201918E+21	1,180600E+22
497	1,589638E+22	1,937672E+22	2,137779E+22	2,137832E+22	1,937755E+22	1,589703E+22	1,180652E+22	8,202251E+21	6,112956E+21	6,112770E+21	8,201705E+21	1,180576E+22
498	1,589652E+22	1,937767E+22	2,137888E+22	2,137876E+22	1,937744E+22	1,589653E+22	1,180591E+22	8,201819E+21	6,112834E+21	6,112994E+21	8,202242E+21	1,180637E+22
499	1,589672E+22	1,937722E+22	2,137800E+22	2,137775E+22	1,937684E+22	1,589651E+22	1,180614E+22	8,202050E+21	6,112957E+21	6,112963E+21	8,202012E+21	1,180592E+22
500	1,589603E+22	1,937642E+22	2,137780E+22	2,137833E+22	1,937757E+22	1,589709E+22	1,180655E+22	8,202345E+21	6,113213E+21	6,113172E+21	8,202227E+21	1,180637E+22
501	1,589691E+22	1,937736E+22	2,137812E+22	2,137803E+22	1,937689E+22	1,589633E+22	1,180603E+22	8,202153E+21	6,113291E+21	6,113470E+21	8,202628E+21	1,180661E+22
502	1,589675E+22	1,937671E+22	2,137700E+22	2,137705E+22	1,937663E+22	1,589662E+22	1,180658E+22	8,202715E+21	6,113673E+21	6,113549E+21	8,202370E+21	1,180611E+22
503	1,589627E+22	1,937676E+22	2,137775E+22	2,137769E+22	1,937685E+22	1,589666E+22	1,180658E+22	8,202833E+21	6,113995E+21	6,114031E+21	8,202944E+21	1,180675E+22
504	1,589685E+22	1,937703E+22	2,137768E+22	2,137722E+22	1,937596E+22	1,589590E+22	1,180632E+22	8,202950E+21	6,114263E+21	6,114344E+21	8,203128E+21	1,180654E+22
505	1,589610E+22	1,937577E+22	2,137638E+22	2,137694E+22	1,937664E+22	1,589673E+22	1,180695E+22	8,203447E+21	6,114647E+21	6,114527E+21	8,203082E+21	1,180634E+22
506	1,589605E+22	1,937634E+22	2,137721E+22	2,137724E+22	1,937656E+22	1,589645E+22	1,180659E+22	8,203193E+21	6,114652E+21	6,114828E+21	8,203671E+21	1,180712E+22
507	1,589664E+22	1,937625E+22	2,137645E+22	2,137611E+22	1,937561E+22	1,589612E+22	1,180673E+22	8,203430E+21	6,114772E+21	6,114781E+21	8,203387E+21	1,180657E+22
508	1,589589E+22	1,937542E+22	2,137604E+22	2,137652E+22	1,937633E+22	1,589673E+22	1,180718E+22	8,203752E+21	6,114945E+21	6,114777E+21	8,203289E+21	1,180662E+22
509	1,589644E+22	1,937655E+22	2,137706E+22	2,137688E+22	1,937606E+22	1,589603E+22	1,180647E+22	8,203256E+21	6,114727E+21	6,114848E+21	8,203595E+21	1,180693E+22
510	1,589640E+22	1,937607E+22	2,137632E+22	2,137621E+22	1,937587E+22	1,589626E+22	1,180677E+22	8,203404E+21	6,114636E+21	6,114517E+21	8,203083E+21	1,180633E+22
511	1,589582E+22	1,937583E+22	2,137690E+22	2,137719E+22	1,937660E+22	1,589661E+22	1,180677E+22	8,203211E+21	6,114450E+21	6,114441E+21	8,203217E+21	1,180683E+22
512	1,589674E+22	1,937674E+22	2,137735E+22	2,137720E+22	1,937614E+22	1,589599E+22	1,180627E+22	8,202797E+21	6,114088E+21	6,114205E+21	8,203095E+21	1,180667E+22
513	1,589637E+22	1,937607E+22	2,137640E+22	2,137684E+22	1,937669E+22	1,589675E+22	1,180676E+22	8,202971E+21	6,113966E+21	6,113803E+21	8,202519E+21	1,180611E+22
514	1,589618E+22	1,937679E+22	2,137780E+22	2,137769E+22	1,937691E+22	1,589662E+22	1,180639E+22	8,202548E+21	6,113672E+21	6,113734E+21	8,202743E+21	1,180669E+22
515	1,589688E+22	1,937713E+22	2,137778E+22	2,137732E+22	1,937616E+22	1,589607E+22	1,180622E+22	8,202485E+21	6,113564E+21	6,113578E+21	8,202444E+21	1,180610E+22
516	1,589603E+22	1,937609E+22	2,137704E+22	2,137761E+22	1,937704E+22	1,589679E+22	1,180670E+22	8,202815E+21	6,113738E+21	6,113572E+21	8,202350E+21	1,180606E+22
517	1,589629E+22	1,937693E+22	2,137795E+22	2,137807E+22	1,937712E+22	1,589644E+22	1,180610E+22	8,202343E+21	6,113584E+21	6,113769E+21	8,202858E+21	1,180670E+22
518	1,589662E+22	1,937663E+22	2,137708E+22	2,137691E+22	1,937638E+22	1,589644E+22	1,180644E+22	8,202631E+21	6,113697E+21	6,113684E+21	8,202576E+21	1,180627E+22
519	1,589607E+22	1,937604E+22	2,137697E+22	2,137725E+22	1,937670E+22	1,589674E+22	1,180676E+22	8,202959E+21	6,114014E+21	6,113952E+21	8,202799E+21	1,180662E+22
520	1,589685E+22	1,937706E+22	2,137758E+22	2,137729E+22	1,937612E+22	1,589593E+22	1,180625E+22	8,202817E+21	6,114141E+21	6,114272E+21	8,203144E+21	1,180671E+22
521	1,589647E+22	1,937623E+22	2,137638E+22	2,137641E+22	1,937611E+22	1,589637E+22	1,180677E+22	8,203362E+21	6,114578E+21	6,114453E+21	8,202991E+21	1,180619E+22
522	1,589579E+22	1,937609E+22	2,137712E+22	2,137711E+22	1,937642E+22	1,589643E+22	1,180672E+22	8,203382E+21	6,114808E+21	6,114874E+21	8,203581E+21	1,180697E+22
523	1,589654E+22	1,937632E+22	2,137684E+22	2,137656E+22	1,937563E+22	1,589584E+22	1,180653E+22	8,203458E+21	6,115023E+21	6,115167E+21	8,203760E+21	1,180677E+22
524	1,589582E+22	1,937503E+22	2,137537E+22	2,137594E+22	1,937603E+22	1,589661E+22	1,180730E+22	8,204112E+21	6,115456E+21	6,115314E+21	8,203691E+21	1,180664E+22
525	1,589591E+22	1,937570E+22	2,137625E+22	2,137638E+22	1,937607E+22	1,589630E+22	1,180686E+22	8,203824E+21	6,115443E+21	6,115563E+21	8,204166E+21	1,180729E+22
526	1,589649E+22	1,937580E+22	2,137572E+22	2,137531E+22	1,937506E+22	1,589596E+22	1,180700E+22	8,204041E+21	6,115546E+21	6,115499E+21	8,203879E+21	1,180675E+22
527	1,589573E+22	1,937498E+22	2,137542E+22	2,137572E+22	1,937558E+22	1,589631E+22	1,180729E+22	8,204292E+21	6,115713E+21	6,115559E+21	8,203883E+21	1,180685E+22
528	1,589625E+22	1,937606E+22	2,137651E+22	2,137637E+22	1,937556E+22	1,589571E+22	1,180656E+22	8,203740E+21	6,115427E+21	6,115572E+21	8,204154E+21	1,180716E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
529	1,589622E+22	1,937549E+22	2,137554E+22	2,137556E+22	1,937554E+22	1,589618E+22	1,180692E+22	8,203836E+21	6,115284E+21	6,115214E+21	8,203642E+21	1,180657E+22
530	1,589567E+22	1,937540E+22	2,137629E+22	2,137650E+22	1,937612E+22	1,589645E+22	1,180691E+22	8,203598E+21	6,114985E+21	6,114990E+21	8,203643E+21	1,180706E+22
531	1,589674E+22	1,937645E+22	2,137679E+22	2,137656E+22	1,937570E+22	1,589582E+22	1,180641E+22	8,203203E+21	6,114655E+21	6,114767E+21	8,203447E+21	1,180671E+22
532	1,589615E+22	1,937569E+22	2,137586E+22	2,137610E+22	1,937610E+22	1,589653E+22	1,180699E+22	8,203538E+21	6,114668E+21	6,114457E+21	8,202949E+21	1,180619E+22
533	1,589588E+22	1,937621E+22	2,137719E+22	2,137723E+22	1,937661E+22	1,589646E+22	1,180656E+22	8,203081E+21	6,114400E+21	6,114436E+21	8,203204E+21	1,180675E+22
534	1,589652E+22	1,937647E+22	2,137705E+22	2,137674E+22	1,937590E+22	1,589605E+22	1,180645E+22	8,203024E+21	6,114291E+21	6,114299E+21	8,203007E+21	1,180638E+22
535	1,589584E+22	1,937545E+22	2,137616E+22	2,137670E+22	1,937641E+22	1,589657E+22	1,180689E+22	8,203352E+21	6,114482E+21	6,114349E+21	8,202995E+21	1,180644E+22
536	1,589626E+22	1,937644E+22	2,137716E+22	2,137721E+22	1,937641E+22	1,589614E+22	1,180634E+22	8,202937E+21	6,114334E+21	6,114502E+21	8,203402E+21	1,180696E+22
537	1,589656E+22	1,937618E+22	2,137628E+22	2,137601E+22	1,937576E+22	1,589622E+22	1,180666E+22	8,203245E+21	6,114518E+21	6,114488E+21	8,203137E+21	1,180642E+22
538	1,589586E+22	1,937571E+22	2,137651E+22	2,137653E+22	1,937602E+22	1,589638E+22	1,180688E+22	8,203501E+21	6,114793E+21	6,114732E+21	8,203343E+21	1,180677E+22
539	1,589661E+22	1,937660E+22	2,137707E+22	2,137675E+22	1,937566E+22	1,589564E+22	1,180634E+22	8,203351E+21	6,114964E+21	6,115133E+21	8,203742E+21	1,180681E+22
540	1,589604E+22	1,937549E+22	2,137559E+22	2,137569E+22	1,937567E+22	1,589623E+22	1,180702E+22	8,204014E+21	6,115470E+21	6,115363E+21	8,203699E+21	1,180648E+22
541	1,589548E+22	1,937520E+22	2,137606E+22	2,137637E+22	1,937614E+22	1,589642E+22	1,180700E+22	8,204001E+21	6,115644E+21	6,115713E+21	8,204204E+21	1,180723E+22
542	1,589635E+22	1,937563E+22	2,137581E+22	2,137561E+22	1,937514E+22	1,589583E+22	1,180691E+22	8,204132E+21	6,115833E+21	6,115926E+21	8,204336E+21	1,180709E+22
543	1,589576E+22	1,937453E+22	2,137446E+22	2,137479E+22	1,937512E+22	1,589625E+22	1,180754E+22	8,204767E+21	6,116296E+21	6,116119E+21	8,204273E+21	1,180689E+22
544	1,589582E+22	1,937528E+22	2,137562E+22	2,137555E+22	1,937524E+22	1,589590E+22	1,180706E+22	8,204448E+21	6,116258E+21	6,116346E+21	8,204689E+21	1,180742E+22
545	1,589624E+22	1,937528E+22	2,137509E+22	2,137468E+22	1,937455E+22	1,589569E+22	1,180711E+22	8,204576E+21	6,116337E+21	6,116318E+21	8,204481E+21	1,180690E+22
546	1,589542E+22	1,937449E+22	2,137490E+22	2,137517E+22	1,937514E+22	1,589605E+22	1,180731E+22	8,204669E+21	6,116341E+21	6,116247E+21	8,204442E+21	1,180712E+22
547	1,589613E+22	1,937558E+22	2,137588E+22	2,137581E+22	1,937526E+22	1,589562E+22	1,180667E+22	8,204100E+21	6,115998E+21	6,116195E+21	8,204623E+21	1,180735E+22
548	1,589607E+22	1,937500E+22	2,137485E+22	2,137482E+22	1,937509E+22	1,589611E+22	1,180719E+22	8,204352E+21	6,115905E+21	6,115803E+21	8,204074E+21	1,180677E+22
549	1,589557E+22	1,937491E+22	2,137557E+22	2,137590E+22	1,937581E+22	1,589639E+22	1,180716E+22	8,204119E+21	6,115622E+21	6,115555E+21	8,203964E+21	1,180708E+22
550	1,589652E+22	1,937606E+22	2,137628E+22	2,137598E+22	1,937531E+22	1,589577E+22	1,180670E+22	8,203764E+21	6,115329E+21	6,115376E+21	8,203852E+21	1,180681E+22
551	1,589589E+22	1,937517E+22	2,137527E+22	2,137537E+22	1,937542E+22	1,589618E+22	1,180713E+22	8,204084E+21	6,115421E+21	6,115218E+21	8,203529E+21	1,180641E+22
552	1,589562E+22	1,937555E+22	2,137648E+22	2,137659E+22	1,937610E+22	1,589623E+22	1,180672E+22	8,203598E+21	6,115138E+21	6,115206E+21	8,203805E+21	1,180701E+22
553	1,589633E+22	1,937581E+22	2,137614E+22	2,137592E+22	1,937543E+22	1,589592E+22	1,180663E+22	8,203516E+21	6,115021E+21	6,115086E+21	8,203642E+21	1,180667E+22
554	1,589575E+22	1,937502E+22	2,137544E+22	2,137579E+22	1,937570E+22	1,589625E+22	1,180698E+22	8,203803E+21	6,115138E+21	6,115028E+21	8,203524E+21	1,180672E+22
555	1,589630E+22	1,937616E+22	2,137658E+22	2,137646E+22	1,937580E+22	1,589585E+22	1,180643E+22	8,203423E+21	6,115053E+21	6,115214E+21	8,203859E+21	1,180705E+22
556	1,589635E+22	1,937578E+22	2,137575E+22	2,137531E+22	1,937514E+22	1,589594E+22	1,180686E+22	8,203866E+21	6,115346E+21	6,115290E+21	8,203681E+21	1,180655E+22
557	1,589553E+22	1,937503E+22	2,137582E+22	2,137609E+22	1,937577E+22	1,589625E+22	1,180708E+22	8,204106E+21	6,115632E+21	6,115556E+21	8,203893E+21	1,180685E+22
558	1,589621E+22	1,937585E+22	2,137625E+22	2,137614E+22	1,937543E+22	1,589572E+22	1,180668E+22	8,203985E+21	6,115793E+21	6,115954E+21	8,204385E+21	1,180709E+22
559	1,589577E+22	1,937469E+22	2,137457E+22	2,137467E+22	1,937500E+22	1,589608E+22	1,180734E+22	8,204687E+21	6,116342E+21	6,116245E+21	8,204401E+21	1,180686E+22
560	1,589538E+22	1,937453E+22	2,137506E+22	2,137536E+22	1,937541E+22	1,589623E+22	1,180735E+22	8,204701E+21	6,116508E+21	6,116546E+21	8,204801E+21	1,180747E+22
561	1,589623E+22	1,937509E+22	2,137488E+22	2,137457E+22	1,937443E+22	1,589561E+22	1,180718E+22	8,204802E+21	6,116720E+21	6,116797E+21	8,204949E+21	1,180726E+22
562	1,589558E+22	1,937419E+22	2,137391E+22	2,137395E+22	1,937430E+22	1,589580E+22	1,180760E+22	8,205293E+21	6,117070E+21	6,116908E+21	8,204857E+21	1,180712E+22
563	1,589568E+22	1,937489E+22	2,137513E+22	2,137501E+22	1,937472E+22	1,589552E+22	1,180705E+22	8,204897E+21	6,116998E+21	6,117128E+21	8,205257E+21	1,180758E+22
564	1,589596E+22	1,937468E+22	2,137443E+22	2,137409E+22	1,937415E+22	1,589552E+22	1,180725E+22	8,205059E+21	6,117045E+21	6,117065E+21	8,205088E+21	1,180720E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
565	1,589528E+22	1,937385E+22	2,137411E+22	2,137465E+22	1,937494E+22	1,589604E+22	1,180751E+22	8,205111E+21	6,116951E+21	6,116860E+21	8,204885E+21	1,180729E+22
566	1,589603E+22	1,937515E+22	2,137517E+22	2,137511E+22	1,937492E+22	1,589568E+22	1,180701E+22	8,204628E+21	6,116600E+21	6,116732E+21	8,205000E+21	1,180751E+22
567	1,589595E+22	1,937461E+22	2,137423E+22	2,137400E+22	1,937439E+22	1,589586E+22	1,180742E+22	8,204919E+21	6,116605E+21	6,116447E+21	8,204491E+21	1,180688E+22
568	1,589539E+22	1,937447E+22	2,137504E+22	2,137528E+22	1,937519E+22	1,589612E+22	1,180736E+22	8,204675E+21	6,116348E+21	6,116244E+21	8,204388E+21	1,180707E+22
569	1,589613E+22	1,937541E+22	2,137558E+22	2,137540E+22	1,937490E+22	1,589559E+22	1,180685E+22	8,204283E+21	6,116083E+21	6,116157E+21	8,204423E+21	1,180692E+22
570	1,589554E+22	1,937459E+22	2,137461E+22	2,137472E+22	1,937491E+22	1,589593E+22	1,180717E+22	8,204464E+21	6,116048E+21	6,115919E+21	8,204127E+21	1,180673E+22
571	1,589555E+22	1,937504E+22	2,137572E+22	2,137586E+22	1,937559E+22	1,589602E+22	1,180680E+22	8,203999E+21	6,115767E+21	6,115882E+21	8,204332E+21	1,180726E+22
572	1,589624E+22	1,937533E+22	2,137537E+22	2,137508E+22	1,937484E+22	1,589574E+22	1,180685E+22	8,204053E+21	6,115718E+21	6,115780E+21	8,204176E+21	1,180694E+22
573	1,589572E+22	1,937459E+22	2,137475E+22	2,137517E+22	1,937527E+22	1,589609E+22	1,180717E+22	8,204332E+21	6,115856E+21	6,115711E+21	8,203954E+21	1,180680E+22
574	1,589611E+22	1,937578E+22	2,137606E+22	2,137586E+22	1,937536E+22	1,589576E+22	1,180672E+22	8,204038E+21	6,115829E+21	6,115949E+21	8,204378E+21	1,180719E+22
575	1,589604E+22	1,937517E+22	2,137509E+22	2,137463E+22	1,937453E+22	1,589565E+22	1,180705E+22	8,204509E+21	6,116235E+21	6,116185E+21	8,204358E+21	1,180680E+22
576	1,589526E+22	1,937426E+22	2,137492E+22	2,137533E+22	1,937528E+22	1,589615E+22	1,180737E+22	8,204748E+21	6,116512E+21	6,116456E+21	8,204570E+21	1,180710E+22
577	1,589594E+22	1,937505E+22	2,137518E+22	2,137517E+22	1,937490E+22	1,589568E+22	1,180702E+22	8,204654E+21	6,116677E+21	6,116861E+21	8,205082E+21	1,180737E+22
578	1,589564E+22	1,937419E+22	2,137371E+22	2,137361E+22	1,937413E+22	1,589574E+22	1,180754E+22	8,205281E+21	6,117144E+21	6,117048E+21	8,205015E+21	1,180716E+22
579	1,589537E+22	1,937417E+22	2,137435E+22	2,137445E+22	1,937463E+22	1,589585E+22	1,180746E+22	8,205279E+21	6,117339E+21	6,117357E+21	8,205332E+21	1,180758E+22
580	1,589600E+22	1,937463E+22	2,137427E+22	2,137383E+22	1,937375E+22	1,589527E+22	1,180733E+22	8,205408E+21	6,117564E+21	6,117640E+21	8,205558E+21	1,180745E+22
581	1,589532E+22	1,937354E+22	2,137323E+22	2,137354E+22	1,937402E+22	1,589561E+22	1,180770E+22	8,205790E+21	6,117820E+21	6,117670E+21	8,205401E+21	1,180726E+22
582	1,589541E+22	1,937432E+22	2,137445E+22	2,137450E+22	1,937449E+22	1,589558E+22	1,180732E+22	8,205408E+21	6,117668E+21	6,117802E+21	8,205812E+21	1,180787E+22
583	1,589578E+22	1,937408E+22	2,137365E+22	2,137333E+22	1,937358E+22	1,589537E+22	1,180751E+22	8,205602E+21	6,117738E+21	6,117749E+21	8,205616E+21	1,180747E+22
584	1,589520E+22	1,937334E+22	2,137334E+22	2,137388E+22	1,937440E+22	1,589596E+22	1,180784E+22	8,205681E+21	6,117638E+21	6,117499E+21	8,205295E+21	1,180736E+22
585	1,589582E+22	1,937470E+22	2,137447E+22	2,137436E+22	1,937441E+22	1,589559E+22	1,180728E+22	8,205190E+21	6,117324E+21	6,117427E+21	8,205441E+21	1,180752E+22
586	1,589566E+22	1,937425E+22	2,137373E+22	2,137332E+22	1,937369E+22	1,589548E+22	1,180749E+22	8,205366E+21	6,117265E+21	6,117126E+21	8,204993E+21	1,180703E+22
587	1,589518E+22	1,937398E+22	2,137442E+22	2,137475E+22	1,937474E+22	1,589582E+22	1,180736E+22	8,205080E+21	6,117022E+21	6,116958E+21	8,204927E+21	1,180724E+22
588	1,589584E+22	1,937475E+22	2,137477E+22	2,137472E+22	1,937447E+22	1,589544E+22	1,180698E+22	8,204717E+21	6,116739E+21	6,116875E+21	8,205047E+21	1,180728E+22
589	1,589548E+22	1,937398E+22	2,137375E+22	2,137409E+22	1,937455E+22	1,589581E+22	1,180732E+22	8,204873E+21	6,116634E+21	6,116525E+21	8,204599E+21	1,180698E+22
590	1,589556E+22	1,937474E+22	2,137506E+22	2,137511E+22	1,937508E+22	1,589594E+22	1,180708E+22	8,204516E+21	6,116382E+21	6,116458E+21	8,204770E+21	1,180747E+22
591	1,589617E+22	1,937501E+22	2,137480E+22	2,137430E+22	1,937408E+22	1,589541E+22	1,180704E+22	8,204630E+21	6,116477E+21	6,116499E+21	8,204660E+21	1,180707E+22
592	1,589553E+22	1,937417E+22	2,137422E+22	2,137457E+22	1,937471E+22	1,589588E+22	1,180741E+22	8,204934E+21	6,116671E+21	6,116506E+21	8,204464E+21	1,180682E+22
593	1,589568E+22	1,937510E+22	2,137531E+22	2,137526E+22	1,937500E+22	1,589569E+22	1,180698E+22	8,204665E+21	6,116705E+21	6,116843E+21	8,205015E+21	1,180731E+22
594	1,589566E+22	1,937451E+22	2,137427E+22	2,137387E+22	1,937397E+22	1,589547E+22	1,180725E+22	8,205065E+21	6,117038E+21	6,117035E+21	8,205047E+21	1,180714E+22
595	1,589513E+22	1,937362E+22	2,137394E+22	2,137445E+22	1,937469E+22	1,589596E+22	1,180758E+22	8,205350E+21	6,117344E+21	6,117289E+21	8,205188E+21	1,180734E+22
596	1,589574E+22	1,937442E+22	2,137420E+22	2,137419E+22	1,937420E+22	1,589547E+22	1,180732E+22	8,205340E+21	6,117550E+21	6,117717E+21	8,205729E+21	1,180767E+22
597	1,589553E+22	1,937365E+22	2,137292E+22	2,137287E+22	1,937353E+22	1,589547E+22	1,180773E+22	8,205888E+21	6,117971E+21	6,117853E+21	8,205562E+21	1,180730E+22
598	1,589518E+22	1,937378E+22	2,137376E+22	2,137377E+22	1,937402E+22	1,589562E+22	1,180769E+22	8,205899E+21	6,118150E+21	6,118158E+21	8,205946E+21	1,180780E+22
599	1,589569E+22	1,937402E+22	2,137357E+22	2,137317E+22	1,937316E+22	1,589495E+22	1,180746E+22	8,205989E+21	6,118412E+21	6,118514E+21	8,206246E+21	1,180776E+22
600	1,589515E+22	1,937292E+22	2,137241E+22	2,137284E+22	1,937360E+22	1,589553E+22	1,180793E+22	8,206305E+21	6,118572E+21	6,118456E+21	8,205997E+21	1,180749E+22

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												
601	1,589521E+22	1,937368E+22	2,137353E+22	2,137366E+22	1,937404E+22	1,589558E+22	1,180764E+22	8,205976E+21	6,118399E+21	6,118531E+21	8,206338E+21	1,180804E+22
602	1,589567E+22	1,937372E+22	2,137296E+22	2,137252E+22	1,937290E+22	1,589510E+22	1,180768E+22	8,206093E+21	6,118383E+21	6,118374E+21	8,206061E+21	1,180764E+22
603	1,589513E+22	1,937304E+22	2,137275E+22	2,137320E+22	1,937378E+22	1,589564E+22	1,180793E+22	8,206171E+21	6,118323E+21	6,118143E+21	8,205683E+21	1,180735E+22
604	1,589545E+22	1,937416E+22	2,137388E+22	2,137378E+22	1,937390E+22	1,589534E+22	1,180744E+22	8,205701E+21	6,118023E+21	6,118131E+21	8,205960E+21	1,180765E+22
605	1,589534E+22	1,937357E+22	2,137305E+22	2,137294E+22	1,937343E+22	1,589532E+22	1,180758E+22	8,205765E+21	6,117877E+21	6,117772E+21	8,205486E+21	1,180720E+22
606	1,589495E+22	1,937345E+22	2,137370E+22	2,137412E+22	1,937440E+22	1,589581E+22	1,180760E+22	8,205518E+21	6,117590E+21	6,117556E+21	8,205461E+21	1,180756E+22
607	1,589573E+22	1,937423E+22	2,137397E+22	2,137391E+22	1,937385E+22	1,589522E+22	1,180718E+22	8,205223E+21	6,117393E+21	6,117524E+21	8,205570E+21	1,180760E+22
608	1,589552E+22	1,937365E+22	2,137304E+22	2,137330E+22	1,937398E+22	1,589566E+22	1,180756E+22	8,205394E+21	6,117312E+21	6,117171E+21	8,205026E+21	1,180708E+22
609	1,589540E+22	1,937440E+22	2,137448E+22	2,137442E+22	1,937454E+22	1,589579E+22	1,180734E+22	8,205108E+21	6,117149E+21	6,117196E+21	8,205238E+21	1,180750E+22
610	1,589590E+22	1,937468E+22	2,137436E+22	2,137375E+22	1,937344E+22	1,589503E+22	1,180714E+22	8,205148E+21	6,117228E+21	6,117269E+21	8,205232E+21	1,180725E+22
611	1,589527E+22	1,937362E+22	2,137355E+22	2,137404E+22	1,937430E+22	1,589563E+22	1,180750E+22	8,205472E+21	6,117490E+21	6,117345E+21	8,205084E+21	1,180698E+22
612	1,589528E+22	1,937430E+22	2,137436E+22	2,137449E+22	1,937457E+22	1,589563E+22	1,180726E+22	8,205264E+21	6,117531E+21	6,117712E+21	8,205726E+21	1,180766E+22
613	1,589550E+22	1,937375E+22	2,137323E+22	2,137307E+22	1,937349E+22	1,589535E+22	1,180752E+22	8,205664E+21	6,117823E+21	6,117818E+21	8,205634E+21	1,180741E+22
614	1,589507E+22	1,937320E+22	2,137309E+22	2,137350E+22	1,937402E+22	1,589580E+22	1,180792E+22	8,206022E+21	6,118149E+21	6,118057E+21	8,205777E+21	1,180761E+22
615	1,589558E+22	1,937394E+22	2,137345E+22	2,137325E+22	1,937332E+22	1,589504E+22	1,180750E+22	8,206018E+21	6,118460E+21	6,118594E+21	8,206352E+21	1,180789E+22
616	1,589533E+22	1,937314E+22	2,137222E+22	2,137214E+22	1,937291E+22	1,589520E+22	1,180792E+22	8,206493E+21	6,118842E+21	6,118731E+21	8,206176E+21	1,180743E+22
617	1,589482E+22	1,937311E+22	2,137299E+22	2,137313E+22	1,937362E+22	1,589550E+22	1,180791E+22	8,206483E+21	6,118991E+21	6,119033E+21	8,206595E+21	1,180799E+22
618	1,589544E+22	1,937346E+22	2,137279E+22	2,137243E+22	1,937260E+22	1,589473E+22	1,180761E+22	8,206470E+21	6,119118E+21	6,119267E+21	8,206860E+21	1,180809E+22
619	1,589508E+22	1,937244E+22	2,137161E+22	2,137209E+22	1,937311E+22	1,589536E+22	1,180812E+22	8,206835E+21	6,119282E+21	6,119139E+21	8,206474E+21	1,180765E+22
620	1,589501E+22	1,937317E+22	2,137275E+22	2,137285E+22	1,937350E+22	1,589545E+22	1,180793E+22	8,206559E+21	6,119118E+21	6,119212E+21	8,206811E+21	1,180819E+22
621	1,589548E+22	1,937322E+22	2,137233E+22	2,137196E+22	1,937244E+22	1,589490E+22	1,180787E+22	8,206604E+21	6,119050E+21	6,119005E+21	8,206461E+21	1,180769E+22
622	1,589487E+22	1,937264E+22	2,137222E+22	2,137264E+22	1,937333E+22	1,589545E+22	1,180813E+22	8,206683E+21	6,118972E+21	6,118795E+21	8,206204E+21	1,180753E+22
623	1,589509E+22	1,937349E+22	2,137313E+22	2,137314E+22	1,937338E+22	1,589506E+22	1,180753E+22	8,206184E+21	6,118727E+21	6,118864E+21	8,206564E+21	1,180797E+22
624	1,589521E+22	1,937301E+22	2,137223E+22	2,137218E+22	1,937300E+22	1,589525E+22	1,180777E+22	8,206193E+21	6,118507E+21	6,118442E+21	8,206021E+21	1,180746E+22
625	1,589486E+22	1,937300E+22	2,137293E+22	2,137329E+22	1,937386E+22	1,589570E+22	1,180785E+22	8,206029E+21	6,118246E+21	6,118207E+21	8,205928E+21	1,180774E+22
626	1,589572E+22	1,937404E+22	2,137343E+22	2,137314E+22	1,937314E+22	1,589486E+22	1,180728E+22	8,205681E+21	6,118024E+21	6,118139E+21	8,206000E+21	1,180777E+22
627	1,589548E+22	1,937345E+22	2,137262E+22	2,137274E+22	1,937343E+22	1,589531E+22	1,180762E+22	8,205890E+21	6,118030E+21	6,117848E+21	8,205438E+21	1,180708E+22
628	1,589500E+22	1,937383E+22	2,137390E+22	2,137394E+22	1,937415E+22	1,589560E+22	1,180754E+22	8,205669E+21	6,117922E+21	6,117974E+21	8,205805E+21	1,180764E+22
629	1,589551E+22	1,937391E+22	2,137363E+22	2,137336E+22	1,937325E+22	1,589496E+22	1,180733E+22	8,205660E+21	6,117961E+21	6,118027E+21	8,205805E+21	1,180745E+22
630	1,589499E+22	1,937298E+22	2,137268E+22	2,137326E+22	1,937389E+22	1,589565E+22	1,180786E+22	8,206073E+21	6,118228E+21	6,118109E+21	8,205737E+21	1,180731E+22
631	1,589503E+22	1,937354E+22	2,137331E+22	2,137349E+22	1,937388E+22	1,589542E+22	1,180757E+22	8,205956E+21	6,118396E+21	6,118555E+21	8,206379E+21	1,180801E+22
632	1,589545E+22	1,937326E+22	2,137230E+22	2,137202E+22	1,937278E+22	1,589516E+22	1,180781E+22	8,206321E+21	6,118697E+21	6,118669E+21	8,206222E+21	1,180758E+22
633	1,589486E+22	1,937273E+22	2,137233E+22	2,137254E+22	1,937325E+22	1,589551E+22	1,180818E+22	8,206715E+21	6,119071E+21	6,118961E+21	8,206390E+21	1,180775E+22
634	1,589535E+22	1,937351E+22	2,137282E+22	2,137251E+22	1,937257E+22	1,589457E+22	1,180756E+22	8,206576E+21	6,119303E+21	6,119471E+21	8,207034E+21	1,180819E+22
635	1,589516E+22	1,937261E+22	2,137152E+22	2,137152E+22	1,937245E+22	1,589488E+22	1,180796E+22	8,207008E+21	6,119657E+21	6,119571E+21	8,206815E+21	1,180768E+22
636	1,589454E+22	1,937241E+22	2,137211E+22	2,137238E+22	1,937319E+22	1,589542E+22	1,180817E+22	8,207042E+21	6,119748E+21	6,119820E+21	8,207230E+21	1,180832E+22

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												
637	1,589532E+22	1,937284E+22	2,137198E+22	2,137178E+22	1,937220E+22	1,589463E+22	1,180787E+22	8,207006E+21	6,119795E+21	6,119913E+21	8,207306E+21	1,180824E+22
638	1,589497E+22	1,937212E+22	2,137098E+22	2,137131E+22	1,937257E+22	1,589525E+22	1,180843E+22	8,207425E+21	6,119964E+21	6,119779E+21	8,206924E+21	1,180775E+22
639	1,589468E+22	1,937263E+22	2,137210E+22	2,137212E+22	1,937285E+22	1,589515E+22	1,180813E+22	8,207168E+21	6,119903E+21	6,119950E+21	8,207299E+21	1,180830E+22
640	1,589519E+22	1,937265E+22	2,137164E+22	2,137131E+22	1,937202E+22	1,589474E+22	1,180804E+22	8,207122E+21	6,119788E+21	6,119746E+21	8,206981E+21	1,180779E+22
641	1,589451E+22	1,937198E+22	2,137146E+22	2,137196E+22	1,937294E+22	1,589535E+22	1,180834E+22	8,207192E+21	6,119681E+21	6,119527E+21	8,206760E+21	1,180776E+22
642	1,589495E+22	1,937299E+22	2,137239E+22	2,137237E+22	1,937280E+22	1,589479E+22	1,180763E+22	8,206589E+21	6,119320E+21	6,119499E+21	8,207108E+21	1,180833E+22
643	1,589527E+22	1,937267E+22	2,137158E+22	2,137148E+22	1,937248E+22	1,589497E+22	1,180786E+22	8,206633E+21	6,119120E+21	6,119033E+21	8,206446E+21	1,180763E+22
644	1,589476E+22	1,937266E+22	2,137235E+22	2,137261E+22	1,937336E+22	1,589551E+22	1,180804E+22	8,206523E+21	6,118895E+21	6,118840E+21	8,206376E+21	1,180790E+22
645	1,589555E+22	1,937364E+22	2,137299E+22	2,137272E+22	1,937274E+22	1,589464E+22	1,180743E+22	8,206150E+21	6,118666E+21	6,118760E+21	8,206397E+21	1,180781E+22
646	1,589521E+22	1,937306E+22	2,137218E+22	2,137230E+22	1,937311E+22	1,589519E+22	1,180784E+22	8,206418E+21	6,118719E+21	6,118561E+21	8,206006E+21	1,180725E+22
647	1,589459E+22	1,937303E+22	2,137306E+22	2,137327E+22	1,937373E+22	1,589544E+22	1,180773E+22	8,206244E+21	6,118726E+21	6,118793E+21	8,206447E+21	1,180794E+22
648	1,589531E+22	1,937318E+22	2,137258E+22	2,137240E+22	1,937280E+22	1,589496E+22	1,180764E+22	8,206247E+21	6,118749E+21	6,118832E+21	8,206422E+21	1,180772E+22
649	1,589483E+22	1,937238E+22	2,137171E+22	2,137219E+22	1,937320E+22	1,589550E+22	1,180821E+22	8,206759E+21	6,119073E+21	6,118923E+21	8,206312E+21	1,180756E+22
650	1,589499E+22	1,937317E+22	2,137253E+22	2,137244E+22	1,937295E+22	1,589496E+22	1,180771E+22	8,206558E+21	6,119224E+21	6,119367E+21	8,206964E+21	1,180826E+22
651	1,589537E+22	1,937291E+22	2,137172E+22	2,137127E+22	1,937205E+22	1,589468E+22	1,180787E+22	8,206915E+21	6,119566E+21	6,119517E+21	8,206794E+21	1,180770E+22
652	1,589452E+22	1,937214E+22	2,137167E+22	2,137192E+22	1,937275E+22	1,589522E+22	1,180831E+22	8,207296E+21	6,119926E+21	6,119849E+21	8,207067E+21	1,180799E+22
653	1,589503E+22	1,937277E+22	2,137209E+22	2,137202E+22	1,937228E+22	1,589445E+22	1,180773E+22	8,207091E+21	6,120057E+21	6,120251E+21	8,207623E+21	1,180842E+22
654	1,589497E+22	1,937207E+22	2,137078E+22	2,137081E+22	1,937207E+22	1,589488E+22	1,180830E+22	8,207591E+21	6,120373E+21	6,120308E+21	8,207417E+21	1,180795E+22
655	1,589431E+22	1,937171E+22	2,137119E+22	2,137151E+22	1,937262E+22	1,589527E+22	1,180849E+22	8,207721E+21	6,120571E+21	6,120585E+21	8,207762E+21	1,180854E+22
656	1,589519E+22	1,937236E+22	2,137115E+22	2,137086E+22	1,937168E+22	1,589458E+22	1,180820E+22	8,207649E+21	6,120604E+21	6,120672E+21	8,207788E+21	1,180830E+22
657	1,589466E+22	1,937162E+22	2,137033E+22	2,137050E+22	1,937194E+22	1,589505E+22	1,180872E+22	8,208078E+21	6,120795E+21	6,120575E+21	8,207448E+21	1,180785E+22
658	1,589440E+22	1,937206E+22	2,137143E+22	2,137142E+22	1,937222E+22	1,589475E+22	1,180817E+22	8,207651E+21	6,120641E+21	6,120726E+21	8,207916E+21	1,180858E+22
659	1,589503E+22	1,937210E+22	2,137093E+22	2,137067E+22	1,937158E+22	1,589445E+22	1,180805E+22	8,207538E+21	6,120467E+21	6,120466E+21	8,207561E+21	1,180807E+22
660	1,589436E+22	1,937139E+22	2,137063E+22	2,137119E+22	1,937247E+22	1,589521E+22	1,180850E+22	8,207622E+21	6,120293E+21	6,120183E+21	8,207320E+21	1,180811E+22
661	1,589497E+22	1,937258E+22	2,137177E+22	2,137177E+22	1,937236E+22	1,589461E+22	1,180778E+22	8,207004E+21	6,119865E+21	6,120022E+21	8,207474E+21	1,180850E+22
662	1,589528E+22	1,937254E+22	2,137123E+22	2,137089E+22	1,937197E+22	1,589478E+22	1,180805E+22	8,207090E+21	6,119687E+21	6,119587E+21	8,206833E+21	1,180770E+22
663	1,589447E+22	1,937218E+22	2,137185E+22	2,137207E+22	1,937286E+22	1,589526E+22	1,180821E+22	8,207064E+21	6,119613E+21	6,119519E+21	8,206813E+21	1,180796E+22
664	1,589524E+22	1,937308E+22	2,137235E+22	2,137218E+22	1,937251E+22	1,589463E+22	1,180763E+22	8,206658E+21	6,119390E+21	6,119489E+21	8,206894E+21	1,180787E+22
665	1,589479E+22	1,937232E+22	2,137137E+22	2,137155E+22	1,937273E+22	1,589518E+22	1,180815E+22	8,207012E+21	6,119499E+21	6,119344E+21	8,206575E+21	1,180747E+22
666	1,589440E+22	1,937235E+22	2,137211E+22	2,137232E+22	1,937309E+22	1,589522E+22	1,180794E+22	8,206804E+21	6,119478E+21	6,119559E+21	8,207056E+21	1,180829E+22
667	1,589530E+22	1,937270E+22	2,137174E+22	2,137148E+22	1,937212E+22	1,589463E+22	1,180780E+22	8,206856E+21	6,119560E+21	6,119608E+21	8,206974E+21	1,180793E+22
668	1,589470E+22	1,937191E+22	2,137095E+22	2,137126E+22	1,937247E+22	1,589519E+22	1,180841E+22	8,207385E+21	6,119915E+21	6,119757E+21	8,206921E+21	1,180779E+22
669	1,589481E+22	1,937268E+22	2,137199E+22	2,137184E+22	1,937233E+22	1,589459E+22	1,180783E+22	8,207120E+21	6,120022E+21	6,120166E+21	8,207527E+21	1,180842E+22
670	1,589514E+22	1,937246E+22	2,137121E+22	2,137073E+22	1,937160E+22	1,589444E+22	1,180802E+22	8,207462E+21	6,120355E+21	6,120363E+21	8,207480E+21	1,180794E+22
671	1,589416E+22	1,937134E+22	2,137080E+22	2,137121E+22	1,937232E+22	1,589508E+22	1,180851E+22	8,207892E+21	6,120780E+21	6,120727E+21	8,207751E+21	1,180833E+22
672	1,589490E+22	1,937212E+22	2,137109E+22	2,137108E+22	1,937190E+22	1,589452E+22	1,180808E+22	8,207714E+21	6,120872E+21	6,121062E+21	8,208207E+21	1,180863E+22

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	1,589479E+22	1,937151E+22	2,136993E+22	2,136986E+22	1,937147E+22	1,589481E+22	1,180870E+22	8,208319E+21	6,121238E+21	6,121101E+21	8,207929E+21	1,180812E+22
674	1,589419E+22	1,937124E+22	2,137042E+22	2,137060E+22	1,937183E+22	1,589490E+22	1,180868E+22	8,208343E+21	6,121397E+21	6,121374E+21	8,208294E+21	1,180869E+22
675	1,589499E+22	1,937188E+22	2,137054E+22	2,137018E+22	1,937105E+22	1,589419E+22	1,180829E+22	8,208227E+21	6,121417E+21	6,121466E+21	8,208332E+21	1,180840E+22
676	1,589429E+22	1,937094E+22	2,136962E+22	2,136986E+22	1,937146E+22	1,589482E+22	1,180883E+22	8,208573E+21	6,121533E+21	6,121364E+21	8,208091E+21	1,180813E+22
677	1,589416E+22	1,937138E+22	2,137070E+22	2,137082E+22	1,937181E+22	1,589460E+22	1,180828E+22	8,208041E+21	6,121232E+21	6,121359E+21	8,208432E+21	1,180886E+22
678	1,589499E+22	1,937170E+22	2,137031E+22	2,137002E+22	1,937116E+22	1,589436E+22	1,180825E+22	8,207948E+21	6,121005E+21	6,121048E+21	8,208061E+21	1,180834E+22
679	1,589429E+22	1,937094E+22	2,136995E+22	2,137046E+22	1,937193E+22	1,589500E+22	1,180866E+22	8,208110E+21	6,120929E+21	6,120779E+21	8,207727E+21	1,180828E+22
680	1,589494E+22	1,937229E+22	2,137117E+22	2,137102E+22	1,937193E+22	1,589456E+22	1,180801E+22	8,207506E+21	6,120520E+21	6,120630E+21	8,207827E+21	1,180848E+22
681	1,589499E+22	1,937215E+22	2,137082E+22	2,137035E+22	1,937151E+22	1,589464E+22	1,180830E+22	8,207664E+21	6,120416E+21	6,120270E+21	8,207256E+21	1,180775E+22
682	1,589418E+22	1,937158E+22	2,137120E+22	2,137149E+22	1,937237E+22	1,589496E+22	1,180828E+22	8,207543E+21	6,120330E+21	6,120261E+21	8,207374E+21	1,180816E+22
683	1,589500E+22	1,937243E+22	2,137157E+22	2,137150E+22	1,937208E+22	1,589444E+22	1,180776E+22	8,207159E+21	6,120117E+21	6,120239E+21	8,207476E+21	1,180811E+22
684	1,589458E+22	1,937165E+22	2,137045E+22	2,137064E+22	1,937213E+22	1,589504E+22	1,180839E+22	8,207563E+21	6,120235E+21	6,120111E+21	8,207199E+21	1,180781E+22
685	1,589433E+22	1,937182E+22	2,137133E+22	2,137148E+22	1,937242E+22	1,589495E+22	1,180813E+22	8,207350E+21	6,120199E+21	6,120256E+21	8,207542E+21	1,180847E+22
686	1,589524E+22	1,937243E+22	2,137122E+22	2,137073E+22	1,937146E+22	1,589434E+22	1,180797E+22	8,207412E+21	6,120324E+21	6,120387E+21	8,207544E+21	1,180808E+22
687	1,589440E+22	1,937131E+22	2,137030E+22	2,137061E+22	1,937185E+22	1,589483E+22	1,180853E+22	8,207994E+21	6,120793E+21	6,120631E+21	8,207543E+21	1,180798E+22
688	1,589455E+22	1,937205E+22	2,137119E+22	2,137115E+22	1,937201E+22	1,589455E+22	1,180804E+22	8,207709E+21	6,120876E+21	6,121041E+21	8,208166E+21	1,180860E+22
689	1,589479E+22	1,937174E+22	2,137040E+22	2,136998E+22	1,937118E+22	1,589444E+22	1,180837E+22	8,208128E+21	6,121220E+21	6,121225E+21	8,208114E+21	1,180823E+22
690	1,589403E+22	1,937066E+22	2,136982E+22	2,137028E+22	1,937169E+22	1,589489E+22	1,180878E+22	8,208525E+21	6,121611E+21	6,121557E+21	8,208378E+21	1,180862E+22
691	1,589484E+22	1,937164E+22	2,137026E+22	2,137018E+22	1,937126E+22	1,589429E+22	1,180833E+22	8,208385E+21	6,121728E+21	6,121870E+21	8,208755E+21	1,180879E+22
692	1,589457E+22	1,937098E+22	2,136916E+22	2,136895E+22	1,937076E+22	1,589459E+22	1,180896E+22	8,208974E+21	6,122094E+21	6,121948E+21	8,208540E+21	1,180831E+22
693	1,589393E+22	1,937065E+22	2,136980E+22	2,136999E+22	1,937124E+22	1,589458E+22	1,180881E+22	8,208888E+21	6,122161E+21	6,122138E+21	8,208847E+21	1,180885E+22
694	1,589476E+22	1,937137E+22	2,136994E+22	2,136962E+22	1,937060E+22	1,589394E+22	1,180838E+22	8,208674E+21	6,122106E+21	6,122230E+21	8,208977E+21	1,180867E+22
695	1,589403E+22	1,937020E+22	2,136873E+22	2,136911E+22	1,937097E+22	1,589463E+22	1,180896E+22	8,209034E+21	6,122216E+21	6,122083E+21	8,208680E+21	1,180847E+22
696	1,589417E+22	1,937094E+22	2,136985E+22	2,136996E+22	1,937138E+22	1,589460E+22	1,180853E+22	8,208507E+21	6,121846E+21	6,121967E+21	8,208869E+21	1,180902E+22
697	1,589491E+22	1,937140E+22	2,136975E+22	2,136929E+22	1,937058E+22	1,589422E+22	1,180852E+22	8,208495E+21	6,121662E+21	6,121632E+21	8,208401E+21	1,180842E+22
698	1,589422E+22	1,937066E+22	2,136945E+22	2,136982E+22	1,937130E+22	1,589467E+22	1,180876E+22	8,208581E+21	6,121586E+21	6,121406E+21	8,208115E+21	1,180832E+22
699	1,589471E+22	1,937191E+22	2,137074E+22	2,137059E+22	1,937150E+22	1,589428E+22	1,180810E+22	8,207994E+21	6,121208E+21	6,121300E+21	8,208258E+21	1,180848E+22
700	1,589455E+22	1,937146E+22	2,137014E+22	2,136985E+22	1,937118E+22	1,589454E+22	1,180847E+22	8,208146E+21	6,121111E+21	6,121007E+21	8,207842E+21	1,180797E+22
701	1,589387E+22	1,937083E+22	2,137041E+22	2,137088E+22	1,937198E+22	1,589488E+22	1,180848E+22	8,207997E+21	6,120958E+21	6,120918E+21	8,207897E+21	1,180840E+22
702	1,589487E+22	1,937190E+22	2,137081E+22	2,137076E+22	1,937158E+22	1,589433E+22	1,180801E+22	8,207657E+21	6,120771E+21	6,120936E+21	8,208051E+21	1,180837E+22
703	1,589444E+22	1,937109E+22	2,136960E+22	2,136976E+22	1,937146E+22	1,589479E+22	1,180860E+22	8,208154E+21	6,121020E+21	6,120874E+21	8,207754E+21	1,180805E+22
704	1,589429E+22	1,937148E+22	2,137058E+22	2,137057E+22	1,937181E+22	1,589481E+22	1,180837E+22	8,207949E+21	6,121012E+21	6,121053E+21	8,208077E+21	1,180857E+22
705	1,589497E+22	1,937197E+22	2,137067E+22	2,137010E+22	1,937088E+22	1,589410E+22	1,180820E+22	8,208061E+21	6,121201E+21	6,121246E+21	8,208148E+21	1,180829E+22
706	1,589420E+22	1,937069E+22	2,136951E+22	2,136993E+22	1,937131E+22	1,589452E+22	1,180860E+22	8,208529E+21	6,121634E+21	6,121523E+21	8,208247E+21	1,180831E+22
707	1,589440E+22	1,937142E+22	2,137031E+22	2,137037E+22	1,937152E+22	1,589440E+22	1,180826E+22	8,208305E+21	6,121703E+21	6,121891E+21	8,208823E+21	1,180888E+22
708	1,589462E+22	1,937110E+22	2,136948E+22	2,136909E+22	1,937057E+22	1,589434E+22	1,180871E+22	8,208784E+21	6,122054E+21	6,122065E+21	8,208765E+21	1,180853E+22

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	1,589392E+22	1,937015E+22	2,136906E+22	2,136942E+22	1,937099E+22	1,589464E+22	1,180903E+22	8,209153E+21	6,122408E+21	6,122308E+21	8,208876E+21	1,180874E+22
710	1,589463E+22	1,937125E+22	2,136969E+22	2,136947E+22	1,937062E+22	1,589403E+22	1,180855E+22	8,208976E+21	6,122533E+21	6,122685E+21	8,209328E+21	1,180888E+22
711	1,589417E+22	1,937028E+22	2,136841E+22	2,136829E+22	1,937017E+22	1,589427E+22	1,180910E+22	8,209561E+21	6,122936E+21	6,122794E+21	8,209155E+21	1,180850E+22
712	1,589366E+22	1,936999E+22	2,136886E+22	2,136918E+22	1,937085E+22	1,589453E+22	1,180900E+22	8,209413E+21	6,122920E+21	6,122919E+21	8,209429E+21	1,180903E+22
713	1,589448E+22	1,937074E+22	2,136913E+22	2,136888E+22	1,937014E+22	1,589388E+22	1,180867E+22	8,209233E+21	6,122823E+21	6,122931E+21	8,209507E+21	1,180897E+22
714	1,589402E+22	1,936972E+22	2,136791E+22	2,136830E+22	1,937035E+22	1,589435E+22	1,180909E+22	8,209506E+21	6,122870E+21	6,122735E+21	8,209172E+21	1,180873E+22
715	1,589419E+22	1,937068E+22	2,136926E+22	2,136926E+22	1,937080E+22	1,589434E+22	1,180870E+22	8,209026E+21	6,122507E+21	6,122586E+21	8,209271E+21	1,180909E+22
716	1,589470E+22	1,937104E+22	2,136928E+22	2,136873E+22	1,937004E+22	1,589401E+22	1,180872E+22	8,208999E+21	6,122336E+21	6,122304E+21	8,208871E+21	1,180851E+22
717	1,589390E+22	1,937017E+22	2,136902E+22	2,136943E+22	1,937088E+22	1,589442E+22	1,180886E+22	8,209016E+21	6,122213E+21	6,122044E+21	8,208566E+21	1,180839E+22
718	1,589438E+22	1,937136E+22	2,137016E+22	2,137016E+22	1,937124E+22	1,589419E+22	1,180823E+22	8,208387E+21	6,121830E+21	6,122002E+21	8,208834E+21	1,180867E+22
719	1,589424E+22	1,937068E+22	2,136918E+22	2,136910E+22	1,937074E+22	1,589445E+22	1,180868E+22	8,208635E+21	6,121795E+21	6,121724E+21	8,208434E+21	1,180831E+22
720	1,589386E+22	1,937033E+22	2,136937E+22	2,136989E+22	1,937147E+22	1,589486E+22	1,180878E+22	8,208554E+21	6,121658E+21	6,121599E+21	8,208397E+21	1,180860E+22
721	1,589477E+22	1,937154E+22	2,137013E+22	2,136992E+22	1,937089E+22	1,589412E+22	1,180830E+22	8,208296E+21	6,121551E+21	6,121649E+21	8,208527E+21	1,180857E+22
722	1,589438E+22	1,937071E+22	2,136896E+22	2,136900E+22	1,937069E+22	1,589434E+22	1,180867E+22	8,208690E+21	6,121813E+21	6,121673E+21	8,208322E+21	1,180823E+22
723	1,589411E+22	1,937108E+22	2,137004E+22	2,137000E+22	1,937123E+22	1,589445E+22	1,180847E+22	8,208510E+21	6,121822E+21	6,121882E+21	8,208682E+21	1,180872E+22
724	1,589462E+22	1,937130E+22	2,136991E+22	2,136947E+22	1,937045E+22	1,589397E+22	1,180840E+22	8,208615E+21	6,122010E+21	6,122110E+21	8,208840E+21	1,180858E+22
725	1,589394E+22	1,937003E+22	2,136872E+22	2,136923E+22	1,937085E+22	1,589443E+22	1,180886E+22	8,209087E+21	6,122382E+21	6,122287E+21	8,208831E+21	1,180855E+22
726	1,589426E+22	1,937092E+22	2,136954E+22	2,136962E+22	1,937101E+22	1,589429E+22	1,180856E+22	8,208903E+21	6,122488E+21	6,122685E+21	8,209406E+21	1,180906E+22
727	1,589437E+22	1,937045E+22	2,136854E+22	2,136819E+22	1,936991E+22	1,589413E+22	1,180901E+22	8,209488E+21	6,122948E+21	6,122911E+21	8,209347E+21	1,180872E+22
728	1,589374E+22	1,936965E+22	2,136817E+22	2,136850E+22	1,937040E+22	1,589451E+22	1,180934E+22	8,209837E+21	6,123291E+21	6,123159E+21	8,209446E+21	1,180881E+22
729	1,589422E+22	1,937061E+22	2,136900E+22	2,136880E+22	1,937003E+22	1,589378E+22	1,180879E+22	8,209649E+21	6,123420E+21	6,123544E+21	8,209953E+21	1,180912E+22
730	1,589394E+22	1,936957E+22	2,136750E+22	2,136750E+22	1,936958E+22	1,589394E+22	1,180915E+22	8,210053E+21	6,123724E+21	6,123642E+21	8,209850E+21	1,180887E+22
731	1,589358E+22	1,936947E+22	2,136802E+22	2,136834E+22	1,937024E+22	1,589429E+22	1,180918E+22	8,209922E+21	6,123624E+21	6,123655E+21	8,210015E+21	1,180933E+22
732	1,589440E+22	1,937028E+22	2,136836E+22	2,136807E+22	1,936955E+22	1,589371E+22	1,180889E+22	8,209750E+21	6,123499E+21	6,123607E+21	8,210024E+21	1,180921E+22
733	1,589396E+22	1,936945E+22	2,136743E+22	2,136768E+22	1,936977E+22	1,589408E+22	1,180922E+22	8,209961E+21	6,123477E+21	6,123307E+21	8,209533E+21	1,180878E+22
734	1,589401E+22	1,937041E+22	2,136893E+22	2,136885E+22	1,937037E+22	1,589412E+22	1,180883E+22	8,209451E+21	6,123128E+21	6,123225E+21	8,209694E+21	1,180909E+22
735	1,589427E+22	1,937038E+22	2,136866E+22	2,136831E+22	1,936973E+22	1,589385E+22	1,180887E+22	8,209481E+21	6,123014E+21	6,122990E+21	8,209376E+21	1,180865E+22
736	1,589362E+22	1,936953E+22	2,136811E+22	2,136875E+22	1,937066E+22	1,589450E+22	1,180912E+22	8,209495E+21	6,122863E+21	6,122711E+21	8,209073E+21	1,180854E+22
737	1,589405E+22	1,937069E+22	2,136934E+22	2,136945E+22	1,937082E+22	1,589418E+22	1,180857E+22	8,208958E+21	6,122511E+21	6,122650E+21	8,209332E+21	1,180898E+22
738	1,589423E+22	1,937017E+22	2,136827E+22	2,136819E+22	1,937007E+22	1,589415E+22	1,180883E+22	8,209147E+21	6,122492E+21	6,122421E+21	8,208972E+21	1,180860E+22
739	1,589390E+22	1,937008E+22	2,136870E+22	2,136900E+22	1,937070E+22	1,589451E+22	1,180897E+22	8,209129E+21	6,122399E+21	6,122317E+21	8,208900E+21	1,180875E+22
740	1,589459E+22	1,937118E+22	2,136959E+22	2,136924E+22	1,937023E+22	1,589380E+22	1,180847E+22	8,208860E+21	6,122333E+21	6,122444E+21	8,209124E+21	1,180877E+22
741	1,589413E+22	1,937028E+22	2,136850E+22	2,136851E+22	1,937017E+22	1,589397E+22	1,180871E+22	8,209160E+21	6,122537E+21	6,122431E+21	8,208895E+21	1,180841E+22
742	1,589384E+22	1,937053E+22	2,136941E+22	2,136949E+22	1,937089E+22	1,589431E+22	1,180861E+22	8,208966E+21	6,122554E+21	6,122695E+21	8,209327E+21	1,180896E+22
743	1,589433E+22	1,937054E+22	2,136894E+22	2,136871E+22	1,937000E+22	1,589389E+22	1,180869E+22	8,209211E+21	6,122807E+21	6,122919E+21	8,209467E+21	1,180888E+22
744	1,589385E+22	1,936949E+22	2,136766E+22	2,136820E+22	1,937032E+22	1,589441E+22	1,180925E+22	8,209783E+21	6,123227E+21	6,123079E+21	8,209359E+21	1,180866E+22

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	1,589396E+22	1,937037E+22	2,136879E+22	2,136877E+22	1,937035E+22	1,589412E+22	1,180895E+22	8,209681E+21	6,123415E+21	6,123511E+21	8,209929E+21	1,180921E+22
746	1,589414E+22	1,936985E+22	2,136772E+22	2,136734E+22	1,936917E+22	1,589371E+22	1,180915E+22	8,210139E+21	6,123873E+21	6,123832E+21	8,210003E+21	1,180891E+22
747	1,589346E+22	1,936905E+22	2,136737E+22	2,136772E+22	1,936975E+22	1,589416E+22	1,180950E+22	8,210462E+21	6,124164E+21	6,124059E+21	8,210134E+21	1,180905E+22
748	1,589388E+22	1,936985E+22	2,136810E+22	2,136801E+22	1,936951E+22	1,589361E+22	1,180899E+22	8,210199E+21	6,124216E+21	6,124399E+21	8,210671E+21	1,180949E+22
749	1,589377E+22	1,936900E+22	2,136674E+22	2,136673E+22	1,936900E+22	1,589371E+22	1,180931E+22	8,210515E+21	6,124377E+21	6,124325E+21	8,210398E+21	1,180916E+22
750	1,589357E+22	1,936914E+22	2,136742E+22	2,136767E+22	1,936974E+22	1,589410E+22	1,180934E+22	8,210374E+21	6,124267E+21	6,124318E+21	8,210494E+21	1,180949E+22
751	1,589425E+22	1,936985E+22	2,136770E+22	2,136739E+22	1,936905E+22	1,589353E+22	1,180911E+22	8,210287E+21	6,124195E+21	6,124269E+21	8,210465E+21	1,180933E+22
752	1,589381E+22	1,936911E+22	2,136682E+22	2,136706E+22	1,936941E+22	1,589399E+22	1,180947E+22	8,210505E+21	6,124171E+21	6,123962E+21	8,209948E+21	1,180878E+22
753	1,589358E+22	1,936982E+22	2,136840E+22	2,136843E+22	1,937007E+22	1,589401E+22	1,180907E+22	8,210014E+21	6,123842E+21	6,123890E+21	8,210168E+21	1,180927E+22
754	1,589401E+22	1,936965E+22	2,136777E+22	2,136761E+22	1,936931E+22	1,589366E+22	1,180898E+22	8,209929E+21	6,123687E+21	6,123707E+21	8,209965E+21	1,180896E+22
755	1,589355E+22	1,936904E+22	2,136727E+22	2,136785E+22	1,937004E+22	1,589431E+22	1,180936E+22	8,210008E+21	6,123509E+21	6,123376E+21	8,209609E+21	1,180881E+22
756	1,589396E+22	1,937024E+22	2,136855E+22	2,136854E+22	1,937013E+22	1,589394E+22	1,180880E+22	8,209496E+21	6,123198E+21	6,123326E+21	8,209845E+21	1,180921E+22
757	1,589414E+22	1,936993E+22	2,136783E+22	2,136748E+22	1,936938E+22	1,589376E+22	1,180890E+22	8,209604E+21	6,123143E+21	6,123061E+21	8,209402E+21	1,180871E+22
758	1,589375E+22	1,936982E+22	2,136840E+22	2,136856E+22	1,937020E+22	1,589415E+22	1,180899E+22	8,209548E+21	6,123090E+21	6,123050E+21	8,209405E+21	1,180882E+22
759	1,589420E+22	1,937051E+22	2,136890E+22	2,136874E+22	1,936988E+22	1,589360E+22	1,180860E+22	8,209369E+21	6,123084E+21	6,123218E+21	8,209709E+21	1,180899E+22
760	1,589388E+22	1,936964E+22	2,136760E+22	2,136782E+22	1,936995E+22	1,589404E+22	1,180901E+22	8,209721E+21	6,123286E+21	6,123186E+21	8,209454E+21	1,180859E+22
761	1,589352E+22	1,936981E+22	2,136856E+22	2,136876E+22	1,937048E+22	1,589431E+22	1,180903E+22	8,209667E+21	6,123370E+21	6,123441E+21	8,209865E+21	1,180923E+22
762	1,589421E+22	1,936989E+22	2,136794E+22	2,136773E+22	1,936936E+22	1,589366E+22	1,180896E+22	8,209891E+21	6,123687E+21	6,123772E+21	8,210080E+21	1,180913E+22
763	1,589374E+22	1,936908E+22	2,136687E+22	2,136718E+22	1,936950E+22	1,589412E+22	1,180957E+22	8,210509E+21	6,124141E+21	6,123968E+21	8,209980E+21	1,180883E+22
764	1,589363E+22	1,936973E+22	2,136801E+22	2,136793E+22	1,936964E+22	1,589380E+22	1,180917E+22	8,210367E+21	6,124350E+21	6,124458E+21	8,210641E+21	1,180945E+22
765	1,589382E+22	1,936924E+22	2,136703E+22	2,136664E+22	1,936857E+22	1,589332E+22	1,180919E+22	8,210661E+21	6,124688E+21	6,124699E+21	8,210696E+21	1,180923E+22
766	1,589329E+22	1,936847E+22	2,136661E+22	2,136701E+22	1,936926E+22	1,589392E+22	1,180957E+22	8,210902E+21	6,124908E+21	6,124893E+21	8,210816E+21	1,180939E+22
767	1,589373E+22	1,936920E+22	2,136715E+22	2,136714E+22	1,936897E+22	1,589346E+22	1,180923E+22	8,210747E+21	6,124941E+21	6,125134E+21	8,211256E+21	1,180984E+22
768	1,589383E+22	1,936867E+22	2,136595E+22	2,136587E+22	1,936852E+22	1,589362E+22	1,180960E+22	8,211090E+21	6,125080E+21	6,124970E+21	8,210810E+21	1,180925E+22
769	1,589336E+22	1,936879E+22	2,136698E+22	2,136710E+22	1,936925E+22	1,589395E+22	1,180964E+22	8,211002E+21	6,125008E+21	6,124952E+21	8,210865E+21	1,180956E+22
770	1,589401E+22	1,936935E+22	2,136711E+22	2,136683E+22	1,936859E+22	1,589324E+22	1,180922E+22	8,210805E+21	6,124933E+21	6,124999E+21	8,210956E+21	1,180942E+22
771	1,589350E+22	1,936857E+22	2,136618E+22	2,136642E+22	1,936896E+22	1,589382E+22	1,180967E+22	8,211029E+21	6,124874E+21	6,124682E+21	8,210485E+21	1,180892E+22
772	1,589319E+22	1,936905E+22	2,136756E+22	2,136773E+22	1,936968E+22	1,589395E+22	1,180931E+22	8,210522E+21	6,124523E+21	6,124598E+21	8,210739E+21	1,180954E+22
773	1,589383E+22	1,936913E+22	2,136706E+22	2,136684E+22	1,936875E+22	1,589341E+22	1,180911E+22	8,210362E+21	6,124279E+21	6,124311E+21	8,210440E+21	1,180923E+22
774	1,589353E+22	1,936872E+22	2,136667E+22	2,136710E+22	1,936946E+22	1,589403E+22	1,180945E+22	8,210430E+21	6,124136E+21	6,124022E+21	8,210069E+21	1,180898E+22
775	1,589383E+22	1,936982E+22	2,136793E+22	2,136781E+22	1,936956E+22	1,589369E+22	1,180896E+22	8,210004E+21	6,123886E+21	6,124004E+21	8,210326E+21	1,180938E+22
776	1,589401E+22	1,936957E+22	2,136727E+22	2,136689E+22	1,936896E+22	1,589355E+22	1,180905E+22	8,210111E+21	6,123851E+21	6,123759E+21	8,209878E+21	1,180878E+22
777	1,589337E+22	1,936924E+22	2,136787E+22	2,136815E+22	1,936992E+22	1,589402E+22	1,180918E+22	8,210103E+21	6,123840E+21	6,123774E+21	8,209947E+21	1,180907E+22
778	1,589399E+22	1,936978E+22	2,136797E+22	2,136798E+22	1,936950E+22	1,589347E+22	1,180876E+22	8,209885E+21	6,123848E+21	6,124024E+21	8,210345E+21	1,180931E+22
779	1,589379E+22	1,936910E+22	2,136670E+22	2,136683E+22	1,936929E+22	1,589391E+22	1,180937E+22	8,210378E+21	6,124088E+21	6,123981E+21	8,210053E+21	1,180885E+22
780	1,589333E+22	1,936920E+22	2,136767E+22	2,136779E+22	1,936980E+22	1,589412E+22	1,180937E+22	8,210387E+21	6,124257E+21	6,124285E+21	8,210454E+21	1,180941E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
781	1,589398E+22	1,936946E+22	2,136731E+22	2,136687E+22	1,936860E+22	1,589327E+22	1,180911E+22	8,210513E+21	6,124541E+21	6,124612E+21	8,210660E+21	1,180928E+22
782	1,589349E+22	1,936859E+22	2,136630E+22	2,136650E+22	1,936888E+22	1,589375E+22	1,180964E+22	8,211058E+21	6,125002E+21	6,124878E+21	8,210640E+21	1,180900E+22
783	1,589326E+22	1,936894E+22	2,136710E+22	2,136715E+22	1,936915E+22	1,589359E+22	1,180934E+22	8,210948E+21	6,125194E+21	6,125342E+21	8,211344E+21	1,180978E+22
784	1,589366E+22	1,936858E+22	2,136606E+22	2,136581E+22	1,936817E+22	1,589327E+22	1,180945E+22	8,211231E+21	6,125462E+21	6,125483E+21	8,211294E+21	1,180950E+22
785	1,589312E+22	1,936791E+22	2,136586E+22	2,136630E+22	1,936879E+22	1,589381E+22	1,180988E+22	8,211542E+21	6,125677E+21	6,125592E+21	8,211329E+21	1,180969E+22
786	1,589372E+22	1,936872E+22	2,136631E+22	2,136626E+22	1,936839E+22	1,589323E+22	1,180944E+22	8,211345E+21	6,125731E+21	6,125888E+21	8,211771E+21	1,181002E+22
787	1,589375E+22	1,936840E+22	2,136545E+22	2,136510E+22	1,936784E+22	1,589340E+22	1,180989E+22	8,211718E+21	6,125856E+21	6,125716E+21	8,211304E+21	1,180932E+22
788	1,589300E+22	1,936820E+22	2,136640E+22	2,136654E+22	1,936874E+22	1,589372E+22	1,180985E+22	8,211595E+21	6,125794E+21	6,125726E+21	8,211406E+21	1,180964E+22
789	1,589362E+22	1,936874E+22	2,136650E+22	2,136628E+22	1,936819E+22	1,589301E+22	1,180928E+22	8,211228E+21	6,125597E+21	6,125703E+21	8,211506E+21	1,180964E+22
790	1,589328E+22	1,936799E+22	2,136548E+22	2,136576E+22	1,936855E+22	1,589367E+22	1,180974E+22	8,211384E+21	6,125481E+21	6,125368E+21	8,211030E+21	1,180918E+22
791	1,589304E+22	1,936838E+22	2,136659E+22	2,136681E+22	1,936913E+22	1,589382E+22	1,180953E+22	8,211001E+21	6,125143E+21	6,125219E+21	8,211227E+21	1,180982E+22
792	1,589387E+22	1,936879E+22	2,136631E+22	2,136603E+22	1,936823E+22	1,589325E+22	1,180931E+22	8,210862E+21	6,124913E+21	6,124895E+21	8,210816E+21	1,180932E+22
793	1,589337E+22	1,936840E+22	2,136629E+22	2,136660E+22	1,936894E+22	1,589376E+22	1,180961E+22	8,210962E+21	6,124818E+21	6,124631E+21	8,210469E+21	1,180911E+22
794	1,589364E+22	1,936931E+22	2,136733E+22	2,136725E+22	1,936909E+22	1,589338E+22	1,180902E+22	8,210482E+21	6,124608E+21	6,124743E+21	8,210861E+21	1,180953E+22
795	1,589379E+22	1,936908E+22	2,136668E+22	2,136626E+22	1,936851E+22	1,589343E+22	1,180927E+22	8,210620E+21	6,124560E+21	6,124507E+21	8,210454E+21	1,180897E+22
796	1,589305E+22	1,936849E+22	2,136702E+22	2,136742E+22	1,936951E+22	1,589400E+22	1,180948E+22	8,210677E+21	6,124594E+21	6,124540E+21	8,210526E+21	1,180929E+22
797	1,589380E+22	1,936925E+22	2,136721E+22	2,136715E+22	1,936895E+22	1,589329E+22	1,180898E+22	8,210441E+21	6,124585E+21	6,124752E+21	8,210878E+21	1,180954E+22
798	1,589371E+22	1,936869E+22	2,136602E+22	2,136598E+22	1,936865E+22	1,589366E+22	1,180955E+22	8,210960E+21	6,124912E+21	6,124803E+21	8,210611E+21	1,180900E+22
799	1,589309E+22	1,936858E+22	2,136683E+22	2,136690E+22	1,936912E+22	1,589388E+22	1,180963E+22	8,211069E+21	6,125148E+21	6,125157E+21	8,211078E+21	1,180962E+22
800	1,589376E+22	1,936887E+22	2,136654E+22	2,136616E+22	1,936807E+22	1,589301E+22	1,180931E+22	8,211160E+21	6,125429E+21	6,125493E+21	8,211299E+21	1,180947E+22
801	1,589313E+22	1,936787E+22	2,136556E+22	2,136588E+22	1,936843E+22	1,589354E+22	1,180983E+22	8,211677E+21	6,125861E+21	6,125731E+21	8,211326E+21	1,180939E+22
802	1,589313E+22	1,936821E+22	2,136606E+22	2,136621E+22	1,936857E+22	1,589339E+22	1,180952E+22	8,211514E+21	6,126022E+21	6,126214E+21	8,212043E+21	1,181016E+22
803	1,589368E+22	1,936817E+22	2,136525E+22	2,136479E+22	1,936741E+22	1,589308E+22	1,180978E+22	8,211868E+21	6,126261E+21	6,126274E+21	8,211871E+21	1,180973E+22
804	1,589299E+22	1,936744E+22	2,136516E+22	2,136549E+22	1,936817E+22	1,589362E+22	1,181016E+22	8,212204E+21	6,126517E+21	6,126378E+21	8,211833E+21	1,180976E+22
805	1,589348E+22	1,936838E+22	2,136586E+22	2,136563E+22	1,936780E+22	1,589291E+22	1,180954E+22	8,211874E+21	6,126490E+21	6,126626E+21	8,212248E+21	1,181008E+22
806	1,589342E+22	1,936787E+22	2,136494E+22	2,136463E+22	1,936742E+22	1,589315E+22	1,180994E+22	8,212180E+21	6,126595E+21	6,126490E+21	8,211843E+21	1,180941E+22
807	1,589257E+22	1,936734E+22	2,136549E+22	2,136587E+22	1,936842E+22	1,589367E+22	1,181006E+22	8,212089E+21	6,126483E+21	6,126449E+21	8,211983E+21	1,180989E+22
808	1,589341E+22	1,936803E+22	2,136556E+22	2,136553E+22	1,936783E+22	1,589299E+22	1,180953E+22	8,211713E+21	6,126223E+21	6,126332E+21	8,211988E+21	1,180985E+22
809	1,589313E+22	1,936746E+22	2,136476E+22	2,136505E+22	1,936805E+22	1,589354E+22	1,180999E+22	8,211912E+21	6,126109E+21	6,125940E+21	8,211474E+21	1,180947E+22
810	1,589307E+22	1,936799E+22	2,136580E+22	2,136591E+22	1,936848E+22	1,589355E+22	1,180966E+22	8,211491E+21	6,125820E+21	6,125882E+21	8,211694E+21	1,181000E+22
811	1,589386E+22	1,936860E+22	2,136588E+22	2,136529E+22	1,936751E+22	1,589297E+22	1,180951E+22	8,211377E+21	6,125597E+21	6,125579E+21	8,211293E+21	1,180942E+22
812	1,589311E+22	1,936791E+22	2,136580E+22	2,136614E+22	1,936851E+22	1,589351E+22	1,180973E+22	8,211466E+21	6,125544E+21	6,125368E+21	8,211001E+21	1,180923E+22
813	1,589335E+22	1,936881E+22	2,136676E+22	2,136672E+22	1,936871E+22	1,589318E+22	1,180906E+22	8,210879E+21	6,125257E+21	6,125443E+21	8,211412E+21	1,180977E+22
814	1,589363E+22	1,936855E+22	2,136601E+22	2,136562E+22	1,936810E+22	1,589332E+22	1,180940E+22	8,211055E+21	6,125233E+21	6,125231E+21	8,211007E+21	1,180921E+22
815	1,589290E+22	1,936784E+22	2,136607E+22	2,136651E+22	1,936895E+22	1,589392E+22	1,180981E+22	8,211291E+21	6,125345E+21	6,125268E+21	8,211054E+21	1,180949E+22
816	1,589369E+22	1,936878E+22	2,136642E+22	2,136634E+22	1,936838E+22	1,589314E+22	1,180928E+22	8,211099E+21	6,125404E+21	6,125508E+21	8,211353E+21	1,180960E+22

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	1,589342E+22	1,936819E+22	2,136547E+22	2,136538E+22	1,936806E+22	1,589341E+22	1,180978E+22	8,211637E+21	6,125785E+21	6,125620E+21	8,211189E+21	1,180920E+22
818	1,589282E+22	1,936786E+22	2,136591E+22	2,136608E+22	1,936852E+22	1,589357E+22	1,180977E+22	8,211689E+21	6,126062E+21	6,126098E+21	8,211791E+21	1,180988E+22
819	1,589354E+22	1,936825E+22	2,136570E+22	2,136529E+22	1,936745E+22	1,589286E+22	1,180958E+22	8,211777E+21	6,126290E+21	6,126402E+21	8,212025E+21	1,180979E+22
820	1,589291E+22	1,936715E+22	2,136464E+22	2,136504E+22	1,936786E+22	1,589338E+22	1,181009E+22	8,212305E+21	6,126708E+21	6,126591E+21	8,211984E+21	1,180967E+22
821	1,589303E+22	1,936776E+22	2,136528E+22	2,136533E+22	1,936791E+22	1,589313E+22	1,180970E+22	8,212079E+21	6,126801E+21	6,126987E+21	8,212609E+21	1,181041E+22
822	1,589362E+22	1,936784E+22	2,136469E+22	2,136408E+22	1,936681E+22	1,589283E+22	1,180991E+22	8,212407E+21	6,127053E+21	6,127062E+21	8,212390E+21	1,180983E+22
823	1,589271E+22	1,936687E+22	2,136443E+22	2,136475E+22	1,936761E+22	1,589343E+22	1,181042E+22	8,212815E+21	6,127319E+21	6,127166E+21	8,212375E+21	1,180987E+22
824	1,589316E+22	1,936774E+22	2,136515E+22	2,136510E+22	1,936746E+22	1,589278E+22	1,180975E+22	8,212435E+21	6,127249E+21	6,127374E+21	8,212773E+21	1,181019E+22
825	1,589304E+22	1,936714E+22	2,136420E+22	2,136410E+22	1,936710E+22	1,589307E+22	1,181015E+22	8,212693E+21	6,127291E+21	6,127185E+21	8,212422E+21	1,180975E+22
826	1,589244E+22	1,936661E+22	2,136438E+22	2,136490E+22	1,936784E+22	1,589353E+22	1,181027E+22	8,212585E+21	6,127163E+21	6,127156E+21	8,212558E+21	1,181021E+22
827	1,589344E+22	1,936768E+22	2,136479E+22	2,136454E+22	1,936705E+22	1,589279E+22	1,180982E+22	8,212250E+21	6,126879E+21	6,126975E+21	8,212467E+21	1,181005E+22
828	1,589305E+22	1,936712E+22	2,136418E+22	2,136433E+22	1,936738E+22	1,589324E+22	1,181015E+22	8,212433E+21	6,126804E+21	6,126600E+21	8,211897E+21	1,180952E+22
829	1,589292E+22	1,936781E+22	2,136547E+22	2,136537E+22	1,936787E+22	1,589316E+22	1,180966E+22	8,211893E+21	6,126455E+21	6,126530E+21	8,212138E+21	1,181009E+22
830	1,589362E+22	1,936824E+22	2,136552E+22	2,136497E+22	1,936716E+22	1,589271E+22	1,180949E+22	8,211736E+21	6,126235E+21	6,126263E+21	8,211783E+21	1,180952E+22
831	1,589277E+22	1,936721E+22	2,136502E+22	2,136558E+22	1,936824E+22	1,589351E+22	1,180995E+22	8,211928E+21	6,126188E+21	6,126043E+21	8,211530E+21	1,180944E+22
832	1,589315E+22	1,936816E+22	2,136593E+22	2,136611E+22	1,936841E+22	1,589320E+22	1,180937E+22	8,211415E+21	6,125920E+21	6,126080E+21	8,211863E+21	1,180992E+22
833	1,589342E+22	1,936800E+22	2,136527E+22	2,136498E+22	1,936765E+22	1,589325E+22	1,180974E+22	8,211687E+21	6,125975E+21	6,125912E+21	8,211516E+21	1,180946E+22
834	1,589278E+22	1,936729E+22	2,136512E+22	2,136553E+22	1,936826E+22	1,589371E+22	1,181008E+22	8,211950E+21	6,126208E+21	6,126110E+21	8,211653E+21	1,180968E+22
835	1,589351E+22	1,936835E+22	2,136575E+22	2,136544E+22	1,936755E+22	1,589286E+22	1,180957E+22	8,211778E+21	6,126301E+21	6,126411E+21	8,212014E+21	1,180978E+22
836	1,589306E+22	1,936748E+22	2,136469E+22	2,136470E+22	1,936748E+22	1,589310E+22	1,180993E+22	8,212269E+21	6,126707E+21	6,126573E+21	8,211908E+21	1,180944E+22
837	1,589259E+22	1,936730E+22	2,136508E+22	2,136525E+22	1,936790E+22	1,589327E+22	1,180982E+22	8,212172E+21	6,126862E+21	6,126975E+21	8,212511E+21	1,181026E+22
838	1,589346E+22	1,936772E+22	2,136486E+22	2,136445E+22	1,936684E+22	1,589261E+22	1,180969E+22	8,212277E+21	6,127069E+21	6,127223E+21	8,212662E+21	1,181010E+22
839	1,589283E+22	1,936660E+22	2,136371E+22	2,136411E+22	1,936723E+22	1,589323E+22	1,181039E+22	8,212930E+21	6,127500E+21	6,127361E+21	8,212539E+21	1,180989E+22
840	1,589292E+22	1,936733E+22	2,136462E+22	2,136464E+22	1,936735E+22	1,589295E+22	1,180998E+22	8,212722E+21	6,127609E+21	6,127728E+21	8,213058E+21	1,181043E+22
841	1,589328E+22	1,936732E+22	2,136419E+22	2,136365E+22	1,936637E+22	1,589265E+22	1,181017E+22	8,213042E+21	6,127858E+21	6,127824E+21	8,212930E+21	1,180997E+22
842	1,589236E+22	1,936612E+22	2,136350E+22	2,136402E+22	1,936715E+22	1,589327E+22	1,181062E+22	8,213396E+21	6,128138E+21	6,128005E+21	8,213004E+21	1,181006E+22
843	1,589284E+22	1,936708E+22	2,136428E+22	2,136424E+22	1,936690E+22	1,589273E+22	1,181007E+22	8,213001E+21	6,127995E+21	6,128145E+21	8,213378E+21	1,181043E+22
844	1,589280E+22	1,936644E+22	2,136328E+22	2,136330E+22	1,936655E+22	1,589292E+22	1,181041E+22	8,213259E+21	6,128017E+21	6,127904E+21	8,212958E+21	1,180997E+22
845	1,589240E+22	1,936629E+22	2,136363E+22	2,136401E+22	1,936713E+22	1,589320E+22	1,181037E+22	8,213042E+21	6,127807E+21	6,127797E+21	8,213035E+21	1,181044E+22
846	1,589343E+22	1,936750E+22	2,136434E+22	2,136391E+22	1,936643E+22	1,589245E+22	1,180986E+22	8,212674E+21	6,127529E+21	6,127622E+21	8,212911E+21	1,181016E+22
847	1,589286E+22	1,936674E+22	2,136368E+22	2,136380E+22	1,936689E+22	1,589299E+22	1,181028E+22	8,212892E+21	6,127446E+21	6,127255E+21	8,212380E+21	1,180965E+22
848	1,589266E+22	1,936729E+22	2,136496E+22	2,136508E+22	1,936763E+22	1,589302E+22	1,180978E+22	8,212324E+21	6,127081E+21	6,127162E+21	8,212595E+21	1,181020E+22
849	1,589331E+22	1,936764E+22	2,136493E+22	2,136462E+22	1,936699E+22	1,589271E+22	1,180970E+22	8,212177E+21	6,126837E+21	6,126885E+21	8,212310E+21	1,180982E+22
850	1,589263E+22	1,936656E+22	2,136397E+22	2,136467E+22	1,936774E+22	1,589346E+22	1,181024E+22	8,212472E+21	6,126887E+21	6,126745E+21	8,212070E+21	1,180968E+22
851	1,589306E+22	1,936776E+22	2,136514E+22	2,136515E+22	1,936771E+22	1,589310E+22	1,180976E+22	8,212061E+21	6,126690E+21	6,126806E+21	8,212361E+21	1,181006E+22
852	1,589320E+22	1,936750E+22	2,136457E+22	2,136422E+22	1,936698E+22	1,589295E+22	1,180997E+22	8,212347E+21	6,126838E+21	6,126735E+21	8,212050E+21	1,180954E+22

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	1,589253E+22	1,936688E+22	2,136445E+22	2,136474E+22	1,936752E+22	1,589328E+22	1,181015E+22	8,212494E+21	6,127030E+21	6,126964E+21	8,212292E+21	1,180989E+22
854	1,589324E+22	1,936779E+22	2,136507E+22	2,136481E+22	1,936703E+22	1,589253E+22	1,180959E+22	8,212262E+21	6,127108E+21	6,127278E+21	8,212698E+21	1,181005E+22
855	1,589279E+22	1,936675E+22	2,136373E+22	2,136386E+22	1,936696E+22	1,589296E+22	1,181015E+22	8,212802E+21	6,127474E+21	6,127394E+21	8,212583E+21	1,180978E+22
856	1,589247E+22	1,936669E+22	2,136422E+22	2,136451E+22	1,936740E+22	1,589313E+22	1,181009E+22	8,212763E+21	6,127622E+21	6,127715E+21	8,213047E+21	1,181048E+22
857	1,589334E+22	1,936727E+22	2,136418E+22	2,136380E+22	1,936636E+22	1,589248E+22	1,180999E+22	8,212917E+21	6,127855E+21	6,127963E+21	8,213203E+21	1,181033E+22
858	1,589269E+22	1,936611E+22	2,136285E+22	2,136319E+22	1,936657E+22	1,589304E+22	1,181069E+22	8,213622E+21	6,128392E+21	6,128216E+21	8,213118E+21	1,181001E+22
859	1,589263E+22	1,936684E+22	2,136400E+22	2,136388E+22	1,936669E+22	1,589276E+22	1,181032E+22	8,213428E+21	6,128504E+21	6,128600E+21	8,213662E+21	1,181054E+22
860	1,589283E+22	1,936653E+22	2,136338E+22	2,136304E+22	1,936594E+22	1,589245E+22	1,181039E+22	8,213683E+21	6,128742E+21	6,128716E+21	8,213581E+21	1,181016E+22
861	1,589209E+22	1,936550E+22	2,136255E+22	2,136311E+22	1,936657E+22	1,589304E+22	1,181074E+22	8,213875E+21	6,128872E+21	6,128801E+21	8,213667E+21	1,181041E+22
862	1,589276E+22	1,936657E+22	2,136343E+22	2,136336E+22	1,936627E+22	1,589246E+22	1,181018E+22	8,213469E+21	6,128680E+21	6,128847E+21	8,213927E+21	1,181071E+22
863	1,589273E+22	1,936601E+22	2,136249E+22	2,136241E+22	1,936590E+22	1,589268E+22	1,181060E+22	8,213767E+21	6,128680E+21	6,128550E+21	8,213430E+21	1,181018E+22
864	1,589233E+22	1,936600E+22	2,136320E+22	2,136350E+22	1,936660E+22	1,589290E+22	1,181049E+22	8,213520E+21	6,128452E+21	6,128399E+21	8,213408E+21	1,181048E+22
865	1,589317E+22	1,936712E+22	2,136400E+22	2,136366E+22	1,936615E+22	1,589225E+22	1,180998E+22	8,213123E+21	6,128144E+21	6,128238E+21	8,213379E+21	1,181031E+22
866	1,589257E+22	1,936614E+22	2,136294E+22	2,136325E+22	1,936660E+22	1,589291E+22	1,181045E+22	8,213350E+21	6,128106E+21	6,127944E+21	8,212917E+21	1,180985E+22
867	1,589241E+22	1,936673E+22	2,136423E+22	2,136435E+22	1,936721E+22	1,589305E+22	1,181013E+22	8,212842E+21	6,127730E+21	6,127817E+21	8,213091E+21	1,181037E+22
868	1,589304E+22	1,936697E+22	2,136407E+22	2,136391E+22	1,936657E+22	1,589264E+22	1,181002E+22	8,212769E+21	6,127557E+21	6,127573E+21	8,212781E+21	1,180997E+22
869	1,589255E+22	1,936624E+22	2,136317E+22	2,136372E+22	1,936705E+22	1,589318E+22	1,181041E+22	8,212995E+21	6,127603E+21	6,127456E+21	8,212584E+21	1,180987E+22
870	1,589292E+22	1,936739E+22	2,136453E+22	2,136436E+22	1,936701E+22	1,589273E+22	1,180986E+22	8,212601E+21	6,127469E+21	6,127573E+21	8,212899E+21	1,181020E+22
871	1,589292E+22	1,936695E+22	2,136385E+22	2,136351E+22	1,936638E+22	1,589264E+22	1,181012E+22	8,212912E+21	6,127637E+21	6,127558E+21	8,212691E+21	1,180979E+22
872	1,589227E+22	1,936624E+22	2,136376E+22	2,136420E+22	1,936706E+22	1,589299E+22	1,181025E+22	8,213009E+21	6,127799E+21	6,127759E+21	8,212908E+21	1,181015E+22
873	1,589301E+22	1,936717E+22	2,136430E+22	2,136419E+22	1,936665E+22	1,589243E+22	1,180980E+22	8,212783E+21	6,127828E+21	6,128043E+21	8,213359E+21	1,181044E+22
874	1,589272E+22	1,936617E+22	2,136271E+22	2,136285E+22	1,936633E+22	1,589281E+22	1,181044E+22	8,213425E+21	6,128281E+21	6,128198E+21	8,213191E+21	1,181006E+22
875	1,589240E+22	1,936633E+22	2,136349E+22	2,136354E+22	1,936667E+22	1,589299E+22	1,181048E+22	8,213478E+21	6,128492E+21	6,128524E+21	8,213568E+21	1,181057E+22
876	1,589304E+22	1,936674E+22	2,136352E+22	2,136314E+22	1,936582E+22	1,589225E+22	1,181027E+22	8,213652E+21	6,128801E+21	6,128850E+21	8,213742E+21	1,181035E+22
877	1,589236E+22	1,936561E+22	2,136213E+22	2,136244E+22	1,936597E+22	1,589272E+22	1,181083E+22	8,214225E+21	6,129270E+21	6,129116E+21	8,213779E+21	1,181019E+22
878	1,589225E+22	1,936611E+22	2,136320E+22	2,136322E+22	1,936624E+22	1,589253E+22	1,181044E+22	8,213984E+21	6,129337E+21	6,129455E+21	8,214322E+21	1,181079E+22
879	1,589251E+22	1,936572E+22	2,136234E+22	2,136216E+22	1,936544E+22	1,589234E+22	1,181065E+22	8,214244E+21	6,129493E+21	6,129499E+21	8,214232E+21	1,181052E+22
880	1,589198E+22	1,936488E+22	2,136170E+22	2,136233E+22	1,936600E+22	1,589283E+22	1,181096E+22	8,214415E+21	6,129559E+21	6,129466E+21	8,214164E+21	1,181065E+22
881	1,589270E+22	1,936620E+22	2,136283E+22	2,136269E+22	1,936577E+22	1,589228E+22	1,181038E+22	8,213972E+21	6,129321E+21	6,129479E+21	8,214420E+21	1,181095E+22
882	1,589267E+22	1,936567E+22	2,136184E+22	2,136160E+22	1,936526E+22	1,589242E+22	1,181077E+22	8,214285E+21	6,129383E+21	6,129245E+21	8,213919E+21	1,181032E+22
883	1,589215E+22	1,936567E+22	2,136278E+22	2,136293E+22	1,936610E+22	1,589271E+22	1,181070E+22	8,214040E+21	6,129150E+21	6,129086E+21	8,213889E+21	1,181058E+22
884	1,589283E+22	1,936649E+22	2,136338E+22	2,136327E+22	1,936594E+22	1,589213E+22	1,181012E+22	8,213601E+21	6,128836E+21	6,128932E+21	8,213863E+21	1,181046E+22
885	1,589239E+22	1,936565E+22	2,136212E+22	2,136244E+22	1,936613E+22	1,589275E+22	1,181058E+22	8,213760E+21	6,128713E+21	6,128596E+21	8,213446E+21	1,181012E+22
886	1,589230E+22	1,936624E+22	2,136349E+22	2,136356E+22	1,936666E+22	1,589284E+22	1,181030E+22	8,213334E+21	6,128373E+21	6,128431E+21	8,213531E+21	1,181054E+22
887	1,589289E+22	1,936651E+22	2,136332E+22	2,136305E+22	1,936594E+22	1,589242E+22	1,181025E+22	8,213328E+21	6,128259E+21	6,128241E+21	8,213247E+21	1,181011E+22
888	1,589235E+22	1,936581E+22	2,136267E+22	2,136311E+22	1,936644E+22	1,589284E+22	1,181055E+22	8,213537E+21	6,128336E+21	6,128158E+21	8,213044E+21	1,180995E+22

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	1,589261E+22	1,936687E+22	2,136400E+22	2,136391E+22	1,936663E+22	1,589249E+22	1,180998E+22	8,213104E+21	6,128188E+21	6,128330E+21	8,213506E+21	1,181044E+22
890	1,589264E+22	1,936624E+22	2,136295E+22	2,136271E+22	1,936591E+22	1,589247E+22	1,181029E+22	8,213450E+21	6,128423E+21	6,128387E+21	8,213354E+21	1,181009E+22
891	1,589210E+22	1,936566E+22	2,136295E+22	2,136333E+22	1,936651E+22	1,589291E+22	1,181057E+22	8,213619E+21	6,128592E+21	6,128551E+21	8,213509E+21	1,181041E+22
892	1,589282E+22	1,936653E+22	2,136343E+22	2,136342E+22	1,936617E+22	1,589229E+22	1,181012E+22	8,213471E+21	6,128693E+21	6,128861E+21	8,213902E+21	1,181063E+22
893	1,589265E+22	1,936582E+22	2,136193E+22	2,136188E+22	1,936562E+22	1,589254E+22	1,181066E+22	8,214063E+21	6,129143E+21	6,129050E+21	8,213797E+21	1,181026E+22
894	1,589219E+22	1,936587E+22	2,136288E+22	2,136280E+22	1,936602E+22	1,589266E+22	1,181067E+22	8,214147E+21	6,129399E+21	6,129399E+21	8,214165E+21	1,181069E+22
895	1,589265E+22	1,936603E+22	2,136273E+22	2,136243E+22	1,936532E+22	1,589203E+22	1,181050E+22	8,214310E+21	6,129704E+21	6,129770E+21	8,214444E+21	1,181060E+22
896	1,589201E+22	1,936482E+22	2,136132E+22	2,136178E+22	1,936554E+22	1,589253E+22	1,181099E+22	8,214784E+21	6,130084E+21	6,129958E+21	8,214441E+21	1,181050E+22
897	1,589204E+22	1,936537E+22	2,136225E+22	2,136242E+22	1,936580E+22	1,589245E+22	1,181069E+22	8,214509E+21	6,130045E+21	6,130214E+21	8,214985E+21	1,181119E+22
898	1,589248E+22	1,936514E+22	2,136131E+22	2,136107E+22	1,936473E+22	1,589214E+22	1,181091E+22	8,214837E+21	6,130247E+21	6,130240E+21	8,214801E+21	1,181082E+22
899	1,589200E+22	1,936462E+22	2,136110E+22	2,136140E+22	1,936523E+22	1,589256E+22	1,181120E+22	8,215011E+21	6,130309E+21	6,130159E+21	8,214610E+21	1,181076E+22
900	1,589249E+22	1,936579E+22	2,136234E+22	2,136216E+22	1,936528E+22	1,589202E+22	1,181055E+22	8,214542E+21	6,130085E+21	6,130195E+21	8,214843E+21	1,181098E+22
901	1,589245E+22	1,936532E+22	2,136135E+22	2,136105E+22	1,936481E+22	1,589213E+22	1,181080E+22	8,214693E+21	6,130039E+21	6,129942E+21	8,214438E+21	1,181047E+22
902	1,589186E+22	1,936511E+22	2,136219E+22	2,136242E+22	1,936577E+22	1,589254E+22	1,181078E+22	8,214455E+21	6,129773E+21	6,129717E+21	8,214353E+21	1,181073E+22
903	1,589255E+22	1,936581E+22	2,136255E+22	2,136257E+22	1,936561E+22	1,589212E+22	1,181038E+22	8,214081E+21	6,129444E+21	6,129543E+21	8,214335E+21	1,181067E+22
904	1,589223E+22	1,936510E+22	2,136146E+22	2,136179E+22	1,936566E+22	1,589259E+22	1,181079E+22	8,214257E+21	6,129333E+21	6,129173E+21	8,213841E+21	1,181026E+22
905	1,589216E+22	1,936579E+22	2,136286E+22	2,136291E+22	1,936621E+22	1,589271E+22	1,181053E+22	8,213845E+21	6,129017E+21	6,129069E+21	8,214006E+21	1,181070E+22
906	1,589269E+22	1,936602E+22	2,136263E+22	2,136222E+22	1,936528E+22	1,589215E+22	1,181045E+22	8,213908E+21	6,129030E+21	6,129010E+21	8,213811E+21	1,181030E+22
907	1,589212E+22	1,936532E+22	2,136210E+22	2,136242E+22	1,936587E+22	1,589259E+22	1,181072E+22	8,214106E+21	6,129133E+21	6,128964E+21	8,213645E+21	1,181015E+22
908	1,589231E+22	1,936616E+22	2,136322E+22	2,136329E+22	1,936628E+22	1,589235E+22	1,181015E+22	8,213656E+21	6,128995E+21	6,129160E+21	8,214117E+21	1,181072E+22
909	1,589259E+22	1,936576E+22	2,136206E+22	2,136175E+22	1,936530E+22	1,589225E+22	1,181043E+22	8,213939E+21	6,129159E+21	6,129183E+21	8,214001E+21	1,181045E+22
910	1,589208E+22	1,936523E+22	2,136221E+22	2,136247E+22	1,936587E+22	1,589263E+22	1,181075E+22	8,214219E+21	6,129385E+21	6,129303E+21	8,214034E+21	1,181061E+22
911	1,589268E+22	1,936606E+22	2,136270E+22	2,136259E+22	1,936557E+22	1,589208E+22	1,181038E+22	8,214138E+21	6,129552E+21	6,129681E+21	8,214457E+21	1,181077E+22
912	1,589236E+22	1,936526E+22	2,136141E+22	2,136129E+22	1,936505E+22	1,589226E+22	1,181087E+22	8,214710E+21	6,130014E+21	6,129894E+21	8,214366E+21	1,181037E+22
913	1,589181E+22	1,936514E+22	2,136217E+22	2,136227E+22	1,936569E+22	1,589254E+22	1,181089E+22	8,214743E+21	6,130225E+21	6,130271E+21	8,214861E+21	1,181093E+22
914	1,589229E+22	1,936518E+22	2,136166E+22	2,136146E+22	1,936477E+22	1,589193E+22	1,181078E+22	8,214944E+21	6,130564E+21	6,130661E+21	8,215156E+21	1,181094E+22
915	1,589184E+22	1,936416E+22	2,136036E+22	2,136073E+22	1,936487E+22	1,589243E+22	1,181132E+22	8,215432E+21	6,130902E+21	6,130763E+21	8,215047E+21	1,181079E+22
916	1,589192E+22	1,936478E+22	2,136136E+22	2,136154E+22	1,936521E+22	1,589225E+22	1,181094E+22	8,215151E+21	6,130864E+21	6,130977E+21	8,215476E+21	1,181138E+22
917	1,589250E+22	1,936488E+22	2,136061E+22	2,136011E+22	1,936394E+22	1,589177E+22	1,181101E+22	8,215353E+21	6,130993E+21	6,130988E+21	8,215332E+21	1,181101E+22
918	1,589188E+22	1,936431E+22	2,136069E+22	2,136084E+22	1,936462E+22	1,589215E+22	1,181126E+22	8,215524E+21	6,131037E+21	6,130863E+21	8,215088E+21	1,181085E+22
919	1,589218E+22	1,936523E+22	2,136177E+22	2,136168E+22	1,936494E+22	1,589182E+22	1,181066E+22	8,215021E+21	6,130780E+21	6,130911E+21	8,215383E+21	1,181115E+22
920	1,589213E+22	1,936466E+22	2,136079E+22	2,136063E+22	1,936452E+22	1,589203E+22	1,181092E+22	8,215097E+21	6,130642E+21	6,130572E+21	8,214923E+21	1,181067E+22
921	1,589167E+22	1,936450E+22	2,136144E+22	2,136182E+22	1,936549E+22	1,589256E+22	1,181103E+22	8,214874E+21	6,130320E+21	6,130304E+21	8,214835E+21	1,181093E+22
922	1,589241E+22	1,936526E+22	2,136166E+22	2,136162E+22	1,936500E+22	1,589201E+22	1,181066E+22	8,214638E+21	6,130120E+21	6,130182E+21	8,214779E+21	1,181083E+22
923	1,589213E+22	1,936476E+22	2,136087E+22	2,136094E+22	1,936499E+22	1,589240E+22	1,181103E+22	8,214843E+21	6,130072E+21	6,129857E+21	8,214273E+21	1,181033E+22
924	1,589188E+22	1,936525E+22	2,136225E+22	2,136233E+22	1,936573E+22	1,589246E+22	1,181069E+22	8,214426E+21	6,129813E+21	6,129833E+21	8,214490E+21	1,181080E+22

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	1,589249E+22	1,936553E+22	2,136193E+22	2,136151E+22	1,936474E+22	1,589185E+22	1,181048E+22	8,214357E+21	6,129762E+21	6,129813E+21	8,214464E+21	1,181059E+22
926	1,589195E+22	1,936475E+22	2,136140E+22	2,136176E+22	1,936537E+22	1,589233E+22	1,181080E+22	8,214579E+21	6,129843E+21	6,129706E+21	8,214243E+21	1,181044E+22
927	1,589216E+22	1,936553E+22	2,136235E+22	2,136249E+22	1,936579E+22	1,589224E+22	1,181040E+22	8,214210E+21	6,129725E+21	6,129905E+21	8,214704E+21	1,181101E+22
928	1,589249E+22	1,936529E+22	2,136145E+22	2,136107E+22	1,936474E+22	1,589205E+22	1,181064E+22	8,214505E+21	6,129906E+21	6,129902E+21	8,214500E+21	1,181063E+22
929	1,589196E+22	1,936481E+22	2,136157E+22	2,136177E+22	1,936538E+22	1,589251E+22	1,181102E+22	8,214818E+21	6,130169E+21	6,130091E+21	8,214592E+21	1,181072E+22
930	1,589238E+22	1,936547E+22	2,136194E+22	2,136177E+22	1,936495E+22	1,589189E+22	1,181068E+22	8,214854E+21	6,130479E+21	6,130585E+21	8,215100E+21	1,181095E+22
931	1,589204E+22	1,936461E+22	2,136066E+22	2,136054E+22	1,936451E+22	1,589208E+22	1,181111E+22	8,215396E+21	6,130948E+21	6,130820E+21	8,215045E+21	1,181060E+22
932	1,589146E+22	1,936424E+22	2,136110E+22	2,136144E+22	1,936524E+22	1,589244E+22	1,181117E+22	8,215404E+21	6,131130E+21	6,131178E+21	8,215521E+21	1,181123E+22
933	1,589222E+22	1,936458E+22	2,136060E+22	2,136033E+22	1,936399E+22	1,589167E+22	1,181097E+22	8,215506E+21	6,131363E+21	6,131504E+21	8,215841E+21	1,181132E+22
934	1,589185E+22	1,936377E+22	2,135960E+22	2,135978E+22	1,936404E+22	1,589200E+22	1,181146E+22	8,216021E+21	6,131687E+21	6,131509E+21	8,215568E+21	1,181098E+22
935	1,589181E+22	1,936440E+22	2,136073E+22	2,136074E+22	1,936454E+22	1,589195E+22	1,181112E+22	8,215732E+21	6,131650E+21	6,131739E+21	8,215988E+21	1,181150E+22
936	1,589224E+22	1,936446E+22	2,136028E+22	2,135973E+22	1,936346E+22	1,589145E+22	1,181108E+22	8,215824E+21	6,131697E+21	6,131691E+21	8,215809E+21	1,181109E+22
937	1,589157E+22	1,936373E+22	2,136014E+22	2,136051E+22	1,936445E+22	1,589209E+22	1,181139E+22	8,215930E+21	6,131658E+21	6,131544E+21	8,215625E+21	1,181099E+22
938	1,589184E+22	1,936450E+22	2,136090E+22	2,136097E+22	1,936460E+22	1,589186E+22	1,181095E+22	8,215529E+21	6,131441E+21	6,131582E+21	8,215905E+21	1,181137E+22
939	1,589194E+22	1,936407E+22	2,135998E+22	2,135984E+22	1,936406E+22	1,589203E+22	1,181125E+22	8,215653E+21	6,131307E+21	6,131202E+21	8,215371E+21	1,181083E+22
940	1,589150E+22	1,936390E+22	2,136058E+22	2,136105E+22	1,936503E+22	1,589250E+22	1,181133E+22	8,215467E+21	6,131041E+21	6,130960E+21	8,215236E+21	1,181105E+22
941	1,589236E+22	1,936494E+22	2,136096E+22	2,136071E+22	1,936425E+22	1,589169E+22	1,181080E+22	8,215132E+21	6,130823E+21	6,130904E+21	8,215315E+21	1,181102E+22
942	1,589199E+22	1,936441E+22	2,136040E+22	2,136035E+22	1,936431E+22	1,589194E+22	1,181107E+22	8,215342E+21	6,130790E+21	6,130581E+21	8,214811E+21	1,181050E+22
943	1,589166E+22	1,936470E+22	2,136158E+22	2,136174E+22	1,936528E+22	1,589222E+22	1,181077E+22	8,214889E+21	6,130529E+21	6,130600E+21	8,215114E+21	1,181108E+22
944	1,589230E+22	1,936496E+22	2,136130E+22	2,136096E+22	1,936431E+22	1,589166E+22	1,181057E+22	8,214752E+21	6,130393E+21	6,130499E+21	8,215033E+21	1,181091E+22
945	1,589192E+22	1,936429E+22	2,136069E+22	2,136111E+22	1,936498E+22	1,589227E+22	1,181102E+22	8,215023E+21	6,130456E+21	6,130371E+21	8,214781E+21	1,181068E+22
946	1,589207E+22	1,936509E+22	2,136156E+22	2,136156E+22	1,936512E+22	1,589210E+22	1,181072E+22	8,214851E+21	6,130512E+21	6,130638E+21	8,215194E+21	1,181114E+22
947	1,589231E+22	1,936490E+22	2,136086E+22	2,136032E+22	1,936412E+22	1,589189E+22	1,181094E+22	8,215204E+21	6,130791E+21	6,130722E+21	8,215002E+21	1,181065E+22
948	1,589157E+22	1,936412E+22	2,136083E+22	2,136118E+22	1,936495E+22	1,589237E+22	1,181130E+22	8,215529E+21	6,131115E+21	6,130995E+21	8,215160E+21	1,181080E+22
949	1,589203E+22	1,936474E+22	2,136098E+22	2,136089E+22	1,936435E+22	1,589165E+22	1,181085E+22	8,215455E+21	6,131375E+21	6,131534E+21	8,215847E+21	1,181125E+22
950	1,589177E+22	1,936386E+22	2,135971E+22	2,135967E+22	1,936385E+22	1,589180E+22	1,181132E+22	8,216022E+21	6,131799E+21	6,131687E+21	8,215730E+21	1,181092E+22
951	1,589130E+22	1,936354E+22	2,136005E+22	2,136044E+22	1,936456E+22	1,589223E+22	1,181143E+22	8,216041E+21	6,131968E+21	6,132021E+21	8,216176E+21	1,181155E+22
952	1,589211E+22	1,936411E+22	2,135991E+22	2,135953E+22	1,936329E+22	1,589135E+22	1,181113E+22	8,216065E+21	6,132135E+21	6,132265E+21	8,216395E+21	1,181154E+22
953	1,589177E+22	1,936343E+22	2,135906E+22	2,135915E+22	1,936350E+22	1,589178E+22	1,181161E+22	8,216513E+21	6,132406E+21	6,132267E+21	8,216128E+21	1,181111E+22
954	1,589153E+22	1,936390E+22	2,136010E+22	2,136008E+22	1,936398E+22	1,589174E+22	1,181133E+22	8,216319E+21	6,132444E+21	6,132530E+21	8,216563E+21	1,181166E+22
955	1,589195E+22	1,936388E+22	2,135964E+22	2,135922E+22	1,936316E+22	1,589139E+22	1,181127E+22	8,216360E+21	6,132449E+21	6,132446E+21	8,216358E+21	1,181126E+22
956	1,589127E+22	1,936298E+22	2,135923E+22	2,135987E+22	1,936419E+22	1,589215E+22	1,181169E+22	8,216469E+21	6,132367E+21	6,132239E+21	8,216112E+21	1,181119E+22
957	1,589176E+22	1,936399E+22	2,135995E+22	2,135999E+22	1,936396E+22	1,589170E+22	1,181118E+22	8,216027E+21	6,132095E+21	6,132246E+21	8,216425E+21	1,181163E+22
958	1,589190E+22	1,936373E+22	2,135933E+22	2,135904E+22	1,936331E+22	1,589166E+22	1,181142E+22	8,216198E+21	6,131981E+21	6,131826E+21	8,215796E+21	1,181096E+22
959	1,589135E+22	1,936351E+22	2,135993E+22	2,136031E+22	1,936438E+22	1,589220E+22	1,181149E+22	8,215994E+21	6,131753E+21	6,131664E+21	8,215732E+21	1,181116E+22
960	1,589207E+22	1,936451E+22	2,136058E+22	2,136030E+22	1,936374E+22	1,589135E+22	1,181082E+22	8,215538E+21	6,131465E+21	6,131583E+21	8,215835E+21	1,181120E+22

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	1,589178E+22	1,936393E+22	2,135983E+22	2,135991E+22	1,936403E+22	1,589181E+22	1,181113E+22	8,215670E+21	6,131369E+21	6,131258E+21	8,215379E+21	1,181072E+22
962	1,589143E+22	1,936411E+22	2,136076E+22	2,136099E+22	1,936482E+22	1,589216E+22	1,181102E+22	8,215392E+21	6,131195E+21	6,131279E+21	8,215652E+21	1,181135E+22
963	1,589222E+22	1,936451E+22	2,136057E+22	2,136026E+22	1,936387E+22	1,589159E+22	1,181084E+22	8,215318E+21	6,131103E+21	6,131165E+21	8,215483E+21	1,181105E+22
964	1,589175E+22	1,936377E+22	2,135989E+22	2,136039E+22	1,936453E+22	1,589220E+22	1,181136E+22	8,215685E+21	6,131269E+21	6,131102E+21	8,215210E+21	1,181075E+22
965	1,589189E+22	1,936466E+22	2,136083E+22	2,136069E+22	1,936440E+22	1,589185E+22	1,181096E+22	8,215486E+21	6,131366E+21	6,131489E+21	8,215796E+21	1,181129E+22
966	1,589201E+22	1,936433E+22	2,136022E+22	2,135969E+22	1,936344E+22	1,589148E+22	1,181112E+22	8,215875E+21	6,131694E+21	6,131620E+21	8,215663E+21	1,181084E+22
967	1,589119E+22	1,936332E+22	2,135983E+22	2,136037E+22	1,936444E+22	1,589218E+22	1,181151E+22	8,216157E+21	6,132023E+21	6,131953E+21	8,215930E+21	1,181112E+22
968	1,589172E+22	1,936398E+22	2,136009E+22	2,136006E+22	1,936375E+22	1,589143E+22	1,181101E+22	8,215984E+21	6,132165E+21	6,132385E+21	8,216553E+21	1,181164E+22
969	1,589174E+22	1,936333E+22	2,135880E+22	2,135877E+22	1,936323E+22	1,589160E+22	1,181151E+22	8,216531E+21	6,132537E+21	6,132478E+21	8,216362E+21	1,181121E+22
970	1,589123E+22	1,936312E+22	2,135921E+22	2,135943E+22	1,936375E+22	1,589195E+22	1,181169E+22	8,216700E+21	6,132809E+21	6,132819E+21	8,216735E+21	1,181175E+22
971	1,589198E+22	1,936375E+22	2,135934E+22	2,135886E+22	1,936272E+22	1,589111E+22	1,181133E+22	8,216693E+21	6,132976E+21	6,133063E+21	8,216906E+21	1,181162E+22
972	1,589144E+22	1,936285E+22	2,135842E+22	2,135868E+22	1,936320E+22	1,589167E+22	1,181185E+22	8,217122E+21	6,133228E+21	6,133059E+21	8,216650E+21	1,181122E+22
973	1,589125E+22	1,936327E+22	2,135929E+22	2,135935E+22	1,936352E+22	1,589162E+22	1,181152E+22	8,216832E+21	6,133185E+21	6,133314E+21	8,217186E+21	1,181192E+22
974	1,589172E+22	1,936325E+22	2,135884E+22	2,135853E+22	1,936264E+22	1,589122E+22	1,181153E+22	8,216913E+21	6,133139E+21	6,133130E+21	8,216880E+21	1,181149E+22
975	1,589112E+22	1,936241E+22	2,135829E+22	2,135900E+22	1,936366E+22	1,589203E+22	1,181196E+22	8,217031E+21	6,133067E+21	6,132922E+21	8,216617E+21	1,181138E+22
976	1,589157E+22	1,936357E+22	2,135935E+22	2,135926E+22	1,936333E+22	1,589143E+22	1,181132E+22	8,216500E+21	6,132736E+21	6,132871E+21	8,216868E+21	1,181179E+22
977	1,589179E+22	1,936343E+22	2,135885E+22	2,135848E+22	1,936279E+22	1,589139E+22	1,181151E+22	8,216602E+21	6,132596E+21	6,132488E+21	8,216293E+21	1,181108E+22
978	1,589110E+22	1,936306E+22	2,135936E+22	2,135969E+22	1,936380E+22	1,589189E+22	1,181161E+22	8,216494E+21	6,132451E+21	6,132372E+21	8,216281E+21	1,181137E+22
979	1,589183E+22	1,936397E+22	2,135991E+22	2,135978E+22	1,936344E+22	1,589123E+22	1,181094E+22	8,215988E+21	6,132135E+21	6,132273E+21	8,216366E+21	1,181142E+22
980	1,589158E+22	1,936333E+22	2,135901E+22	2,135929E+22	1,936375E+22	1,589182E+22	1,181139E+22	8,216153E+21	6,132019E+21	6,131903E+21	8,215847E+21	1,181095E+22
981	1,589141E+22	1,936369E+22	2,135992E+22	2,136005E+22	1,936415E+22	1,589195E+22	1,181125E+22	8,215914E+21	6,131880E+21	6,131961E+21	8,216155E+21	1,181156E+22
982	1,589213E+22	1,936417E+22	2,135998E+22	2,135955E+22	1,936317E+22	1,589125E+22	1,181107E+22	8,215944E+21	6,131875E+21	6,131879E+21	8,215940E+21	1,181113E+22
983	1,589147E+22	1,936328E+22	2,135918E+22	2,135967E+22	1,936395E+22	1,589196E+22	1,181159E+22	8,216335E+21	6,132140E+21	6,131959E+21	8,215800E+21	1,181083E+22
984	1,589141E+22	1,936398E+22	2,136021E+22	2,136013E+22	1,936390E+22	1,589156E+22	1,181109E+22	8,216046E+21	6,132189E+21	6,132346E+21	8,216451E+21	1,181151E+22
985	1,589169E+22	1,936361E+22	2,135936E+22	2,135901E+22	1,936306E+22	1,589136E+22	1,181129E+22	8,216370E+21	6,132469E+21	6,132492E+21	8,216388E+21	1,181115E+22
986	1,589094E+22	1,936258E+22	2,135875E+22	2,135932E+22	1,936375E+22	1,589203E+22	1,181183E+22	8,216812E+21	6,132864E+21	6,132806E+21	8,216624E+21	1,181150E+22
987	1,589166E+22	1,936344E+22	2,135912E+22	2,135911E+22	1,936315E+22	1,589127E+22	1,181129E+22	8,216645E+21	6,133012E+21	6,133196E+21	8,217133E+21	1,181189E+22
988	1,589165E+22	1,936289E+22	2,135800E+22	2,135792E+22	1,936265E+22	1,589144E+22	1,181180E+22	8,217198E+21	6,133395E+21	6,133278E+21	8,216879E+21	1,181139E+22
989	1,589113E+22	1,936275E+22	2,135856E+22	2,135858E+22	1,936298E+22	1,589159E+22	1,181188E+22	8,217321E+21	6,133667E+21	6,133679E+21	8,217358E+21	1,181195E+22
990	1,589174E+22	1,936327E+22	2,135880E+22	2,135837E+22	1,936217E+22	1,589074E+22	1,181149E+22	8,217308E+21	6,133808E+21	6,133889E+21	8,217510E+21	1,181180E+22
991	1,589111E+22	1,936214E+22	2,135755E+22	2,135800E+22	1,936284E+22	1,589159E+22	1,181207E+22	8,217685E+21	6,134025E+21	6,133891E+21	8,217303E+21	1,181147E+22
992	1,589094E+22	1,936261E+22	2,135854E+22	2,135863E+22	1,936304E+22	1,589149E+22	1,181174E+22	8,217313E+21	6,133842E+21	6,133996E+21	8,217729E+21	1,181219E+22
993	1,589165E+22	1,936280E+22	2,135808E+22	2,135774E+22	1,936211E+22	1,589105E+22	1,181173E+22	8,217366E+21	6,133760E+21	6,133773E+21	8,217351E+21	1,181164E+22
994	1,589095E+22	1,936200E+22	2,135756E+22	2,135808E+22	1,936293E+22	1,589176E+22	1,181220E+22	8,217613E+21	6,133785E+21	6,133590E+21	8,217067E+21	1,181151E+22
995	1,589138E+22	1,936316E+22	2,135879E+22	2,135869E+22	1,936288E+22	1,589117E+22	1,181144E+22	8,217005E+21	6,133440E+21	6,133543E+21	8,217304E+21	1,181185E+22
996	1,589147E+22	1,936286E+22	2,135824E+22	2,135803E+22	1,936252E+22	1,589125E+22	1,181165E+22	8,217070E+21	6,133269E+21	6,133152E+21	8,216766E+21	1,181126E+22

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	1,589090E+22	1,936250E+22	2,135861E+22	2,135897E+22	1,936332E+22	1,589170E+22	1,181173E+22	8,216916E+21	6,133086E+21	6,133058E+21	8,216853E+21	1,181167E+22
998	1,589172E+22	1,936347E+22	2,135924E+22	2,135914E+22	1,936292E+22	1,589101E+22	1,181115E+22	8,216490E+21	6,132762E+21	6,132895E+21	8,216840E+21	1,181164E+22
999	1,589148E+22	1,936286E+22	2,135821E+22	2,135850E+22	1,936327E+22	1,589170E+22	1,181165E+22	8,216712E+21	6,132727E+21	6,132591E+21	8,216338E+21	1,181110E+22
1000	1,589117E+22	1,936330E+22	2,135940E+22	2,135936E+22	1,936357E+22	1,589172E+22	1,181143E+22	8,216434E+21	6,132581E+21	6,132648E+21	8,216622E+21	1,181167E+22
1001	1,589191E+22	1,936376E+22	2,135944E+22	2,135896E+22	1,936269E+22	1,589102E+22	1,181122E+22	8,216452E+21	6,132625E+21	6,132673E+21	8,216509E+21	1,181123E+22
1002	1,589110E+22	1,936262E+22	2,135840E+22	2,135890E+22	1,936339E+22	1,589173E+22	1,181181E+22	8,216977E+21	6,133008E+21	6,132836E+21	8,216484E+21	1,181111E+22
1003	1,589112E+22	1,936320E+22	2,135922E+22	2,135938E+22	1,936354E+22	1,589146E+22	1,181131E+22	8,216639E+21	6,133030E+21	6,133205E+21	8,217121E+21	1,181183E+22
1004	1,589151E+22	1,936291E+22	2,135833E+22	2,135810E+22	1,936256E+22	1,589128E+22	1,181161E+22	8,217006E+21	6,133288E+21	6,133296E+21	8,217005E+21	1,181151E+22
1005	1,589097E+22	1,936213E+22	2,135783E+22	2,135817E+22	1,936284E+22	1,589166E+22	1,181206E+22	8,217456E+21	6,133710E+21	6,133640E+21	8,217253E+21	1,181181E+22
1006	1,589161E+22	1,936311E+22	2,135853E+22	2,135829E+22	1,936231E+22	1,589083E+22	1,181151E+22	8,217327E+21	6,133885E+21	6,134023E+21	8,217681E+21	1,181202E+22
1007	1,589141E+22	1,936243E+22	2,135739E+22	2,135725E+22	1,936209E+22	1,589117E+22	1,181199E+22	8,217841E+21	6,134295E+21	6,134178E+21	8,217504E+21	1,181149E+22
1008	1,589069E+22	1,936214E+22	2,135801E+22	2,135806E+22	1,936256E+22	1,589135E+22	1,181200E+22	8,217850E+21	6,134457E+21	6,134498E+21	8,217971E+21	1,181215E+22
1009	1,589145E+22	1,936260E+22	2,135803E+22	2,135779E+22	1,936192E+22	1,589071E+22	1,181168E+22	8,217784E+21	6,134527E+21	6,134670E+21	8,218113E+21	1,181201E+22
1010	1,589083E+22	1,936144E+22	2,135660E+22	2,135709E+22	1,936230E+22	1,589149E+22	1,181241E+22	8,218307E+21	6,134779E+21	6,134621E+21	8,217861E+21	1,181173E+22
1011	1,589077E+22	1,936197E+22	2,135760E+22	2,135780E+22	1,936258E+22	1,589138E+22	1,181201E+22	8,217913E+21	6,134581E+21	6,134674E+21	8,218175E+21	1,181232E+22
1012	1,589146E+22	1,936232E+22	2,135735E+22	2,135697E+22	1,936161E+22	1,589092E+22	1,181199E+22	8,217942E+21	6,134483E+21	6,134438E+21	8,217794E+21	1,181179E+22
1013	1,589081E+22	1,936159E+22	2,135694E+22	2,135725E+22	1,936216E+22	1,589135E+22	1,181230E+22	8,218119E+21	6,134507E+21	6,134330E+21	8,217632E+21	1,181173E+22
1014	1,589119E+22	1,936269E+22	2,135826E+22	2,135816E+22	1,936235E+22	1,589081E+22	1,181152E+22	8,217483E+21	6,134123E+21	6,134251E+21	8,217852E+21	1,181208E+22
1015	1,589128E+22	1,936229E+22	2,135749E+22	2,135738E+22	1,936218E+22	1,589114E+22	1,181177E+22	8,217487E+21	6,133915E+21	6,133855E+21	8,217339E+21	1,181152E+22
1016	1,589074E+22	1,936204E+22	2,135800E+22	2,135829E+22	1,936284E+22	1,589151E+22	1,181186E+22	8,217303E+21	6,133638E+21	6,133633E+21	8,217308E+21	1,181193E+22
1017	1,589173E+22	1,936317E+22	2,135866E+22	2,135848E+22	1,936249E+22	1,589085E+22	1,181131E+22	8,216917E+21	6,133356E+21	6,133492E+21	8,217233E+21	1,181172E+22
1018	1,589128E+22	1,936248E+22	2,135764E+22	2,135772E+22	1,936264E+22	1,589148E+22	1,181191E+22	8,217326E+21	6,133484E+21	6,133294E+21	8,216798E+21	1,181119E+22
1019	1,589085E+22	1,936271E+22	2,135876E+22	2,135883E+22	1,936322E+22	1,589155E+22	1,181164E+22	8,217041E+21	6,133389E+21	6,133418E+21	8,217120E+21	1,181172E+22
1020	1,589149E+22	1,936304E+22	2,135867E+22	2,135836E+22	1,936241E+22	1,589097E+22	1,181148E+22	8,217058E+21	6,133443E+21	6,133480E+21	8,217115E+21	1,181149E+22
1021	1,589085E+22	1,936189E+22	2,135743E+22	2,135790E+22	1,936272E+22	1,589151E+22	1,181204E+22	8,217573E+21	6,133836E+21	6,133704E+21	8,217198E+21	1,181151E+22
1022	1,589105E+22	1,936260E+22	2,135833E+22	2,135844E+22	1,936281E+22	1,589117E+22	1,181158E+22	8,217296E+21	6,133858E+21	6,134021E+21	8,217741E+21	1,181215E+22
1023	1,589145E+22	1,936240E+22	2,135742E+22	2,135712E+22	1,936189E+22	1,589104E+22	1,181185E+22	8,217666E+21	6,134170E+21	6,134162E+21	8,217631E+21	1,181173E+22
1024	1,589079E+22	1,936178E+22	2,135732E+22	2,135740E+22	1,936213E+22	1,589129E+22	1,181219E+22	8,218034E+21	6,134528E+21	6,134459E+21	8,217838E+21	1,181200E+22
1025	1,589144E+22	1,936271E+22	2,135804E+22	2,135774E+22	1,936182E+22	1,589053E+22	1,181162E+22	8,217867E+21	6,134708E+21	6,134886E+21	8,218291E+21	1,181214E+22
1026	1,589102E+22	1,936174E+22	2,135666E+22	2,135657E+22	1,936164E+22	1,589100E+22	1,181223E+22	8,218480E+21	6,135169E+21	6,135062E+21	8,218183E+21	1,181176E+22
1027	1,589038E+22	1,936131E+22	2,135703E+22	2,135739E+22	1,936233E+22	1,589136E+22	1,181226E+22	8,218429E+21	6,135251E+21	6,135294E+21	8,218550E+21	1,181237E+22
1028	1,589122E+22	1,936189E+22	2,135702E+22	2,135689E+22	1,936149E+22	1,589073E+22	1,181204E+22	8,218403E+21	6,135276E+21	6,135372E+21	8,218630E+21	1,181228E+22
1029	1,589077E+22	1,936093E+22	2,135570E+22	2,135596E+22	1,936144E+22	1,589118E+22	1,181264E+22	8,218918E+21	6,135550E+21	6,135358E+21	8,218394E+21	1,181197E+22
1030	1,589068E+22	1,936158E+22	2,135699E+22	2,135699E+22	1,936178E+22	1,589098E+22	1,181219E+22	8,218501E+21	6,135336E+21	6,135391E+21	8,218647E+21	1,181243E+22
1031	1,589122E+22	1,936182E+22	2,135674E+22	2,135634E+22	1,936109E+22	1,589063E+22	1,181209E+22	8,218448E+21	6,135228E+21	6,135205E+21	8,218356E+21	1,181192E+22
1032	1,589049E+22	1,936111E+22	2,135648E+22	2,135675E+22	1,936172E+22	1,589106E+22	1,181229E+22	8,218471E+21	6,135105E+21	6,134988E+21	8,218172E+21	1,181199E+22

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	1,589107E+22	1,936222E+22	2,135766E+22	2,135762E+22	1,936205E+22	1,589071E+22	1,181161E+22	8,217813E+21	6,134670E+21	6,134864E+21	8,218325E+21	1,181228E+22
1034	1,589114E+22	1,936181E+22	2,135680E+22	2,135664E+22	1,936171E+22	1,589105E+22	1,181203E+22	8,217996E+21	6,134533E+21	6,134449E+21	8,217777E+21	1,181173E+22
1035	1,589066E+22	1,936158E+22	2,135729E+22	2,135767E+22	1,936252E+22	1,589145E+22	1,181210E+22	8,217836E+21	6,134300E+21	6,134223E+21	8,217645E+21	1,181195E+22
1036	1,589150E+22	1,936275E+22	2,135808E+22	2,135787E+22	1,936210E+22	1,589080E+22	1,181161E+22	8,217512E+21	6,134082E+21	6,134144E+21	8,217651E+21	1,181182E+22
1037	1,589102E+22	1,936195E+22	2,135701E+22	2,135696E+22	1,936195E+22	1,589114E+22	1,181209E+22	8,217934E+21	6,134306E+21	6,134120E+21	8,217421E+21	1,181141E+22
1038	1,589057E+22	1,936201E+22	2,135800E+22	2,135816E+22	1,936267E+22	1,589129E+22	1,181184E+22	8,217644E+21	6,134222E+21	6,134275E+21	8,217783E+21	1,181200E+22
1039	1,589125E+22	1,936229E+22	2,135768E+22	2,135748E+22	1,936192E+22	1,589086E+22	1,181170E+22	8,217634E+21	6,134277E+21	6,134372E+21	8,217841E+21	1,181183E+22
1040	1,589073E+22	1,936139E+22	2,135663E+22	2,135692E+22	1,936196E+22	1,589118E+22	1,181217E+22	8,218095E+21	6,134585E+21	6,134482E+21	8,217815E+21	1,181185E+22
1041	1,589109E+22	1,936228E+22	2,135765E+22	2,135758E+22	1,936213E+22	1,589086E+22	1,181170E+22	8,217838E+21	6,134649E+21	6,134816E+21	8,218276E+21	1,181230E+22
1042	1,589128E+22	1,936200E+22	2,135684E+22	2,135634E+22	1,936119E+22	1,589072E+22	1,181205E+22	8,218318E+21	6,135046E+21	6,135010E+21	8,218207E+21	1,181187E+22
1043	1,589048E+22	1,936112E+22	2,135661E+22	2,135689E+22	1,936181E+22	1,589111E+22	1,181237E+22	8,218651E+21	6,135396E+21	6,135306E+21	8,218397E+21	1,181208E+22
1044	1,589102E+22	1,936194E+22	2,135723E+22	2,135714E+22	1,936161E+22	1,589060E+22	1,181193E+22	8,218497E+21	6,135539E+21	6,135701E+21	8,218911E+21	1,181240E+22
1045	1,589073E+22	1,936095E+22	2,135566E+22	2,135559E+22	1,936100E+22	1,589087E+22	1,181254E+22	8,219125E+21	6,136007E+21	6,135915E+21	8,218860E+21	1,181210E+22
1046	1,589025E+22	1,936062E+22	2,135605E+22	2,135643E+22	1,936163E+22	1,589117E+22	1,181261E+22	8,219111E+21	6,136070E+21	6,136077E+21	8,219108E+21	1,181258E+22
1047	1,589108E+22	1,936134E+22	2,135611E+22	2,135590E+22	1,936083E+22	1,589054E+22	1,181230E+22	8,219038E+21	6,136106E+21	6,136182E+21	8,219195E+21	1,181243E+22
1048	1,589058E+22	1,936059E+22	2,135518E+22	2,135515E+22	1,936064E+22	1,589076E+22	1,181271E+22	8,219405E+21	6,136265E+21	6,136085E+21	8,218926E+21	1,181216E+22
1049	1,589056E+22	1,936123E+22	2,135652E+22	2,135647E+22	1,936126E+22	1,589062E+22	1,181218E+22	8,218911E+21	6,136017E+21	6,136114E+21	8,219172E+21	1,181258E+22
1050	1,589096E+22	1,936127E+22	2,135612E+22	2,135579E+22	1,936068E+22	1,589043E+22	1,181219E+22	8,218894E+21	6,135893E+21	6,135908E+21	8,218927E+21	1,181221E+22
1051	1,589035E+22	1,936049E+22	2,135571E+22	2,135625E+22	1,936154E+22	1,589104E+22	1,181245E+22	8,218878E+21	6,135687E+21	6,135581E+21	8,218608E+21	1,181217E+22
1052	1,589096E+22	1,936178E+22	2,135696E+22	2,135696E+22	1,936173E+22	1,589077E+22	1,181192E+22	8,218314E+21	6,135254E+21	6,135390E+21	8,218701E+21	1,181245E+22
1053	1,589106E+22	1,936144E+22	2,135617E+22	2,135580E+22	1,936100E+22	1,589082E+22	1,181226E+22	8,218558E+21	6,135234E+21	6,135101E+21	8,218208E+21	1,181185E+22
1054	1,589049E+22	1,936116E+22	2,135675E+22	2,135704E+22	1,936190E+22	1,589120E+22	1,181233E+22	8,218432E+21	6,135062E+21	6,134944E+21	8,218090E+21	1,181195E+22
1055	1,589112E+22	1,936210E+22	2,135738E+22	2,135726E+22	1,936168E+22	1,589064E+22	1,181180E+22	8,218089E+21	6,134903E+21	6,134984E+21	8,218259E+21	1,181193E+22
1056	1,589064E+22	1,936132E+22	2,135633E+22	2,135629E+22	1,936143E+22	1,589090E+22	1,181217E+22	8,218394E+21	6,135030E+21	6,134909E+21	8,218079E+21	1,181175E+22
1057	1,589047E+22	1,936143E+22	2,135716E+22	2,135737E+22	1,936214E+22	1,589110E+22	1,181196E+22	8,218108E+21	6,134937E+21	6,135045E+21	8,218385E+21	1,181228E+22
1058	1,589114E+22	1,936172E+22	2,135678E+22	2,135653E+22	1,936124E+22	1,589065E+22	1,181195E+22	8,218239E+21	6,135062E+21	6,135153E+21	8,218446E+21	1,181214E+22
1059	1,589069E+22	1,936091E+22	2,135584E+22	2,135619E+22	1,936147E+22	1,589098E+22	1,181236E+22	8,218669E+21	6,135373E+21	6,135237E+21	8,218307E+21	1,181197E+22
1060	1,589091E+22	1,936187E+22	2,135705E+22	2,135689E+22	1,936161E+22	1,589073E+22	1,181198E+22	8,218480E+21	6,135475E+21	6,135599E+21	8,218825E+21	1,181246E+22
1061	1,589100E+22	1,936141E+22	2,135617E+22	2,135561E+22	1,936053E+22	1,589041E+22	1,181225E+22	8,218983E+21	6,135962E+21	6,135931E+21	8,218896E+21	1,181212E+22
1062	1,589022E+22	1,936039E+22	2,135576E+22	2,135618E+22	1,936132E+22	1,589097E+22	1,181264E+22	8,219301E+21	6,136287E+21	6,136210E+21	8,219066E+21	1,181231E+22
1063	1,589072E+22	1,936114E+22	2,135616E+22	2,135622E+22	1,936112E+22	1,589058E+22	1,181227E+22	8,219155E+21	6,136414E+21	6,136597E+21	8,219593E+21	1,181266E+22
1064	1,589056E+22	1,936042E+22	2,135481E+22	2,135459E+22	1,936020E+22	1,589057E+22	1,181275E+22	8,219704E+21	6,136777E+21	6,136684E+21	8,219451E+21	1,181240E+22
1065	1,589024E+22	1,936025E+22	2,135531E+22	2,135554E+22	1,936088E+22	1,589083E+22	1,181273E+22	8,219659E+21	6,136850E+21	6,136840E+21	8,219605E+21	1,181268E+22
1066	1,589084E+22	1,936089E+22	2,135550E+22	2,135515E+22	1,936013E+22	1,589020E+22	1,181246E+22	8,219617E+21	6,136901E+21	6,136969E+21	8,219754E+21	1,181259E+22
1067	1,589032E+22	1,936000E+22	2,135454E+22	2,135475E+22	1,936035E+22	1,589053E+22	1,181277E+22	8,219860E+21	6,136967E+21	6,136798E+21	8,219428E+21	1,181228E+22
1068	1,589028E+22	1,936066E+22	2,135587E+22	2,135597E+22	1,936104E+22	1,589065E+22	1,181240E+22	8,219371E+21	6,136644E+21	6,136745E+21	8,219689E+21	1,181285E+22

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	1,589080E+22	1,936069E+22	2,135537E+22	2,135506E+22	1,936015E+22	1,589030E+22	1,181242E+22	8,219389E+21	6,136541E+21	6,136560E+21	8,219444E+21	1,181249E+22
1070	1,589031E+22	1,936003E+22	2,135498E+22	2,135554E+22	1,936101E+22	1,589094E+22	1,181276E+22	8,219425E+21	6,136346E+21	6,136198E+21	8,219013E+21	1,181227E+22
1071	1,589079E+22	1,936134E+22	2,135627E+22	2,135624E+22	1,936125E+22	1,589071E+22	1,181220E+22	8,218884E+21	6,135981E+21	6,136087E+21	8,219152E+21	1,181248E+22
1072	1,589079E+22	1,936111E+22	2,135572E+22	2,135515E+22	1,936031E+22	1,589047E+22	1,181237E+22	8,219035E+21	6,135921E+21	6,135804E+21	8,218726E+21	1,181200E+22
1073	1,589027E+22	1,936067E+22	2,135612E+22	2,135648E+22	1,936143E+22	1,589091E+22	1,181238E+22	8,218891E+21	6,135793E+21	6,135715E+21	8,218660E+21	1,181211E+22
1074	1,589079E+22	1,936140E+22	2,135655E+22	2,135656E+22	1,936122E+22	1,589047E+22	1,181195E+22	8,218583E+21	6,135640E+21	6,135779E+21	8,218926E+21	1,181229E+22
1075	1,589052E+22	1,936062E+22	2,135535E+22	2,135557E+22	1,936102E+22	1,589076E+22	1,181233E+22	8,218861E+21	6,135708E+21	6,135612E+21	8,218624E+21	1,181202E+22
1076	1,589044E+22	1,936102E+22	2,135636E+22	2,135650E+22	1,936156E+22	1,589100E+22	1,181226E+22	8,218688E+21	6,135638E+21	6,135705E+21	8,218891E+21	1,181255E+22
1077	1,589108E+22	1,936136E+22	2,135611E+22	2,135562E+22	1,936039E+22	1,589028E+22	1,181215E+22	8,218868E+21	6,135893E+21	6,135949E+21	8,218996E+21	1,181232E+22
1078	1,589053E+22	1,936049E+22	2,135527E+22	2,135553E+22	1,936081E+22	1,589071E+22	1,181260E+22	8,219320E+21	6,136250E+21	6,136091E+21	8,218861E+21	1,181202E+22
1079	1,589050E+22	1,936119E+22	2,135630E+22	2,135628E+22	1,936121E+22	1,589063E+22	1,181224E+22	8,219138E+21	6,136397E+21	6,136538E+21	8,219492E+21	1,181258E+22
1080	1,589059E+22	1,936073E+22	2,135537E+22	2,135488E+22	1,935999E+22	1,589023E+22	1,181244E+22	8,219552E+21	6,136789E+21	6,136804E+21	8,219592E+21	1,181244E+22
1081	1,589005E+22	1,935973E+22	2,135478E+22	2,135532E+22	1,936078E+22	1,589083E+22	1,181288E+22	8,219901E+21	6,137116E+21	6,137046E+21	8,219679E+21	1,181253E+22
1082	1,589050E+22	1,936047E+22	2,135517E+22	2,135524E+22	1,936043E+22	1,589039E+22	1,181258E+22	8,219835E+21	6,137269E+21	6,137425E+21	8,220210E+21	1,181294E+22
1083	1,589043E+22	1,935985E+22	2,135397E+22	2,135383E+22	1,935963E+22	1,589033E+22	1,181294E+22	8,220297E+21	6,137574E+21	6,137450E+21	8,219966E+21	1,181253E+22
1084	1,589004E+22	1,935984E+22	2,135471E+22	2,135485E+22	1,936029E+22	1,589062E+22	1,181297E+22	8,220248E+21	6,137609E+21	6,137580E+21	8,220172E+21	1,181289E+22
1085	1,589058E+22	1,936033E+22	2,135483E+22	2,135449E+22	1,935952E+22	1,588986E+22	1,181257E+22	8,220157E+21	6,137689E+21	6,137783E+21	8,220405E+21	1,181290E+22
1086	1,589017E+22	1,935945E+22	2,135381E+22	2,135413E+22	1,935994E+22	1,589043E+22	1,181295E+22	8,220327E+21	6,137661E+21	6,137533E+21	8,219996E+21	1,181252E+22
1087	1,589012E+22	1,936010E+22	2,135502E+22	2,135520E+22	1,936063E+22	1,589065E+22	1,181268E+22	8,219881E+21	6,137318E+21	6,137432E+21	8,220198E+21	1,181303E+22
1088	1,589071E+22	1,936039E+22	2,135475E+22	2,135432E+22	1,935952E+22	1,589004E+22	1,181258E+22	8,219844E+21	6,137143E+21	6,137146E+21	8,219867E+21	1,181267E+22
1089	1,589027E+22	1,935978E+22	2,135445E+22	2,135490E+22	1,936044E+22	1,589065E+22	1,181285E+22	8,219891E+21	6,137005E+21	6,136818E+21	8,219377E+21	1,181224E+22
1090	1,589042E+22	1,936082E+22	2,135569E+22	2,135565E+22	1,936072E+22	1,589046E+22	1,181238E+22	8,219411E+21	6,136693E+21	6,136793E+21	8,219650E+21	1,181258E+22
1091	1,589043E+22	1,936041E+22	2,135500E+22	2,135476E+22	1,936006E+22	1,589031E+22	1,181247E+22	8,219474E+21	6,136582E+21	6,136491E+21	8,219238E+21	1,181215E+22
1092	1,588999E+22	1,936006E+22	2,135532E+22	2,135579E+22	1,936106E+22	1,589090E+22	1,181263E+22	8,219375E+21	6,136430E+21	6,136378E+21	8,219237E+21	1,181243E+22
1093	1,589064E+22	1,936080E+22	2,135564E+22	2,135564E+22	1,936053E+22	1,589025E+22	1,181219E+22	8,219146E+21	6,136370E+21	6,136515E+21	8,219523E+21	1,181264E+22
1094	1,589055E+22	1,936023E+22	2,135457E+22	2,135470E+22	1,936036E+22	1,589056E+22	1,181258E+22	8,219438E+21	6,136467E+21	6,136344E+21	8,219123E+21	1,181218E+22
1095	1,589030E+22	1,936064E+22	2,135567E+22	2,135570E+22	1,936094E+22	1,589081E+22	1,181252E+22	8,219325E+21	6,136486E+21	6,136527E+21	8,219430E+21	1,181262E+22
1096	1,589083E+22	1,936102E+22	2,135564E+22	2,135501E+22	1,935970E+22	1,588988E+22	1,181226E+22	8,219433E+21	6,136711E+21	6,136784E+21	8,219613E+21	1,181252E+22
1097	1,589028E+22	1,935994E+22	2,135460E+22	2,135498E+22	1,936037E+22	1,589045E+22	1,181271E+22	8,219894E+21	6,137120E+21	6,136983E+21	8,219511E+21	1,181218E+22
1098	1,589007E+22	1,936036E+22	2,135534E+22	2,135551E+22	1,936078E+22	1,589057E+22	1,181254E+22	8,219773E+21	6,137271E+21	6,137450E+21	8,220222E+21	1,181291E+22
1099	1,589038E+22	1,935992E+22	2,135430E+22	2,135408E+22	1,935955E+22	1,589013E+22	1,181274E+22	8,220165E+21	6,137598E+21	6,137616E+21	8,220199E+21	1,181271E+22
1100	1,588994E+22	1,935923E+22	2,135385E+22	2,135432E+22	1,936012E+22	1,589071E+22	1,181323E+22	8,220581E+21	6,137925E+21	6,137813E+21	8,220266E+21	1,181280E+22
1101	1,589033E+22	1,935997E+22	2,135437E+22	2,135426E+22	1,935956E+22	1,588999E+22	1,181279E+22	8,220512E+21	6,138164E+21	6,138287E+21	8,220826E+21	1,181317E+22
1102	1,589026E+22	1,935937E+22	2,135330E+22	2,135310E+22	1,935898E+22	1,589003E+22	1,181312E+22	8,220889E+21	6,138418E+21	6,138297E+21	8,220557E+21	1,181267E+22
1103	1,588971E+22	1,935922E+22	2,135399E+22	2,135424E+22	1,935988E+22	1,589047E+22	1,181316E+22	8,220808E+21	6,138416E+21	6,138418E+21	8,220801E+21	1,181309E+22
1104	1,589034E+22	1,935983E+22	2,135416E+22	2,135382E+22	1,935900E+22	1,588963E+22	1,181268E+22	8,220584E+21	6,138336E+21	6,138482E+21	8,220987E+21	1,181322E+22

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°
1105	1,589012E+22	1,935901E+22	2,135307E+22	2,135344E+22	1,935949E+22	1,589027E+22	1,181311E+22	8,220790E+21	6,138299E+21	6,138156E+21	8,220434E+21	1,181266E+22
1106	1,588994E+22	1,935963E+22	2,135430E+22	2,135446E+22	1,936014E+22	1,589053E+22	1,181295E+22	8,220411E+21	6,137973E+21	6,138052E+21	8,220622E+21	1,181316E+22
1107	1,589053E+22	1,935991E+22	2,135413E+22	2,135379E+22	1,935911E+22	1,588986E+22	1,181275E+22	8,220322E+21	6,137772E+21	6,137738E+21	8,220227E+21	1,181268E+22
1108	1,589000E+22	1,935939E+22	2,135392E+22	2,135433E+22	1,936000E+22	1,589050E+22	1,181309E+22	8,220412E+21	6,137651E+21	6,137453E+21	8,219870E+21	1,181239E+22
1109	1,589005E+22	1,936015E+22	2,135495E+22	2,135501E+22	1,936021E+22	1,589017E+22	1,181250E+22	8,219927E+21	6,137428E+21	6,137551E+21	8,220263E+21	1,181287E+22
1110	1,589026E+22	1,935979E+22	2,135415E+22	2,135400E+22	1,935961E+22	1,589020E+22	1,181268E+22	8,219947E+21	6,137271E+21	6,137224E+21	8,219824E+21	1,181243E+22
1111	1,588987E+22	1,935953E+22	2,135446E+22	2,135491E+22	1,936048E+22	1,589077E+22	1,181291E+22	8,219930E+21	6,137152E+21	6,137107E+21	8,219784E+21	1,181266E+22
1112	1,589061E+22	1,936055E+22	2,135501E+22	2,135477E+22	1,935975E+22	1,588987E+22	1,181231E+22	8,219647E+21	6,137065E+21	6,137204E+21	8,220029E+21	1,181287E+22
1113	1,589052E+22	1,936001E+22	2,135408E+22	2,135404E+22	1,935974E+22	1,589019E+22	1,181266E+22	8,219971E+21	6,137245E+21	6,137093E+21	8,219593E+21	1,181221E+22
1114	1,588993E+22	1,936009E+22	2,135508E+22	2,135515E+22	1,936047E+22	1,589057E+22	1,181272E+22	8,219927E+21	6,137322E+21	6,137368E+21	8,220034E+21	1,181276E+22
1115	1,589043E+22	1,936022E+22	2,135485E+22	2,135460E+22	1,935950E+22	1,588978E+22	1,181245E+22	8,219990E+21	6,137511E+21	6,137604E+21	8,220220E+21	1,181271E+22
1116	1,588996E+22	1,935924E+22	2,135369E+22	2,135420E+22	1,935999E+22	1,589049E+22	1,181309E+22	8,220535E+21	6,137909E+21	6,137791E+21	8,220192E+21	1,181252E+22
1117	1,588981E+22	1,935955E+22	2,135425E+22	2,135448E+22	1,936007E+22	1,589038E+22	1,181289E+22	8,220502E+21	6,138171E+21	6,138326E+21	8,220902E+21	1,181327E+22
1118	1,589032E+22	1,935939E+22	2,135334E+22	2,135302E+22	1,935883E+22	1,588996E+22	1,181307E+22	8,220861E+21	6,138496E+21	6,138484E+21	8,220808E+21	1,181291E+22
1119	1,588977E+22	1,935877E+22	2,135305E+22	2,135332E+22	1,935934E+22	1,589043E+22	1,181351E+22	8,221280E+21	6,138847E+21	6,138717E+21	8,220884E+21	1,181295E+22
1120	1,589012E+22	1,935958E+22	2,135378E+22	2,135350E+22	1,935879E+22	1,588952E+22	1,181285E+22	8,221060E+21	6,138982E+21	6,139136E+21	8,221486E+21	1,181346E+22
1121	1,589012E+22	1,935890E+22	2,135268E+22	2,135253E+22	1,935852E+22	1,588968E+22	1,181311E+22	8,221350E+21	6,139182E+21	6,139088E+21	8,221154E+21	1,181289E+22
1122	1,588945E+22	1,935856E+22	2,135317E+22	2,135353E+22	1,935946E+22	1,589035E+22	1,181336E+22	8,221298E+21	6,139110E+21	6,139147E+21	8,221389E+21	1,181339E+22
1123	1,589023E+22	1,935923E+22	2,135336E+22	2,135324E+22	1,935867E+22	1,588955E+22	1,181290E+22	8,221053E+21	6,138936E+21	6,139060E+21	8,221386E+21	1,181336E+22
1124	1,589002E+22	1,935871E+22	2,135249E+22	2,135271E+22	1,935899E+22	1,589018E+22	1,181341E+22	8,221331E+21	6,138911E+21	6,138719E+21	8,220827E+21	1,181275E+22
1125	1,588964E+22	1,935913E+22	2,135369E+22	2,135375E+22	1,935950E+22	1,589025E+22	1,181316E+22	8,221000E+21	6,138717E+21	6,138741E+21	8,221064E+21	1,181322E+22
1126	1,589022E+22	1,935938E+22	2,135352E+22	2,135318E+22	1,935869E+22	1,588970E+22	1,181294E+22	8,220841E+21	6,138500E+21	6,138465E+21	8,220722E+21	1,181274E+22
1127	1,588961E+22	1,935871E+22	2,135315E+22	2,135365E+22	1,935962E+22	1,589040E+22	1,181329E+22	8,220936E+21	6,138387E+21	6,138214E+21	8,220443E+21	1,181260E+22
1128	1,588985E+22	1,935960E+22	2,135416E+22	2,135421E+22	1,935963E+22	1,588992E+22	1,181261E+22	8,220359E+21	6,138064E+21	6,138234E+21	8,220850E+21	1,181325E+22
1129	1,589029E+22	1,935939E+22	2,135343E+22	2,135323E+22	1,935905E+22	1,588991E+22	1,181277E+22	8,220416E+21	6,137936E+21	6,137877E+21	8,220306E+21	1,181264E+22
1130	1,588976E+22	1,935912E+22	2,135380E+22	2,135414E+22	1,935991E+22	1,589054E+22	1,181310E+22	8,220471E+21	6,137868E+21	6,137810E+21	8,220295E+21	1,181286E+22
1131	1,589046E+22	1,936011E+22	2,135448E+22	2,135427E+22	1,935931E+22	1,588963E+22	1,181246E+22	8,220158E+21	6,137773E+21	6,137898E+21	8,220489E+21	1,181295E+22
1132	1,589026E+22	1,935959E+22	2,135359E+22	2,135351E+22	1,935935E+22	1,589005E+22	1,181290E+22	8,220556E+21	6,138003E+21	6,137867E+21	8,220203E+21	1,181241E+22
1133	1,588952E+22	1,935929E+22	2,135423E+22	2,135445E+22	1,936003E+22	1,589040E+22	1,181295E+22	8,220571E+21	6,138206E+21	6,138263E+21	8,220729E+21	1,181308E+22
1134	1,589022E+22	1,935947E+22	2,135380E+22	2,135365E+22	1,935905E+22	1,588979E+22	1,181280E+22	8,220635E+21	6,138377E+21	6,138485E+21	8,220891E+21	1,181300E+22
1135	1,588978E+22	1,935859E+22	2,135266E+22	2,135309E+22	1,935931E+22	1,589038E+22	1,181349E+22	8,221277E+21	6,138819E+21	6,138670E+21	8,220822E+21	1,181279E+22
1136	1,588974E+22	1,935914E+22	2,135342E+22	2,135340E+22	1,935914E+22	1,588992E+22	1,181305E+22	8,221141E+21	6,139033E+21	6,139166E+21	8,221511E+21	1,181353E+22
1137	1,589023E+22	1,935902E+22	2,135271E+22	2,135221E+22	1,935806E+22	1,588947E+22	1,181313E+22	8,221465E+21	6,139377E+21	6,139339E+21	8,221380E+21	1,181302E+22
1138	1,588942E+22	1,935817E+22	2,135240E+22	2,135268E+22	1,935879E+22	1,589010E+22	1,181362E+22	8,221849E+21	6,139686E+21	6,139587E+21	8,221544E+21	1,181318E+22
1139	1,588981E+22	1,935885E+22	2,135305E+22	2,135302E+22	1,935850E+22	1,588936E+22	1,181297E+22	8,221530E+21	6,139696E+21	6,139880E+21	8,222047E+21	1,181367E+22
1140	1,588992E+22	1,935837E+22	2,135197E+22	2,135186E+22	1,935818E+22	1,588970E+22	1,181342E+22	8,221875E+21	6,139829E+21	6,139756E+21	8,221708E+21	1,181315E+22

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	1,588925E+22	1,935792E+22	2,135232E+22	2,135273E+22	1,935893E+22	1,589021E+22	1,181365E+22	8,221913E+21	6,139852E+21	6,139834E+21	8,221867E+21	1,181359E+22
1142	1,589013E+22	1,935879E+22	2,135260E+22	2,135240E+22	1,935821E+22	1,588950E+22	1,181321E+22	8,221642E+21	6,139673E+21	6,139741E+21	8,221804E+21	1,181340E+22
1143	1,588973E+22	1,935824E+22	2,135189E+22	2,135196E+22	1,935843E+22	1,589002E+22	1,181370E+22	8,221947E+21	6,139685E+21	6,139456E+21	8,221302E+21	1,181281E+22
1144	1,588935E+22	1,935860E+22	2,135308E+22	2,135309E+22	1,935889E+22	1,588986E+22	1,181321E+22	8,221471E+21	6,139421E+21	6,139476E+21	8,221643E+21	1,181347E+22
1145	1,589003E+22	1,935882E+22	2,135283E+22	2,135258E+22	1,935827E+22	1,588942E+22	1,181294E+22	8,221257E+21	6,139181E+21	6,139183E+21	8,221295E+21	1,181301E+22
1146	1,588943E+22	1,935810E+22	2,135232E+22	2,135286E+22	1,935913E+22	1,589024E+22	1,181344E+22	8,221370E+21	6,139018E+21	6,138901E+21	8,221033E+21	1,181296E+22
1147	1,588985E+22	1,935911E+22	2,135344E+22	2,135353E+22	1,935915E+22	1,588972E+22	1,181276E+22	8,220791E+21	6,138644E+21	6,138804E+21	8,221265E+21	1,181346E+22
1148	1,589032E+22	1,935922E+22	2,135299E+22	2,135256E+22	1,935851E+22	1,588972E+22	1,181298E+22	8,220910E+21	6,138551E+21	6,138478E+21	8,220744E+21	1,181278E+22
1149	1,588953E+22	1,935866E+22	2,135326E+22	2,135351E+22	1,935933E+22	1,589024E+22	1,181327E+22	8,221062E+21	6,138652E+21	6,138556E+21	8,220787E+21	1,181296E+22
1150	1,589018E+22	1,935957E+22	2,135386E+22	2,135369E+22	1,935901E+22	1,588958E+22	1,181270E+22	8,220740E+21	6,138583E+21	6,138707E+21	8,221046E+21	1,181304E+22
1151	1,588984E+22	1,935886E+22	2,135278E+22	2,135277E+22	1,935895E+22	1,589003E+22	1,181323E+22	8,221215E+21	6,138872E+21	6,138739E+21	8,220836E+21	1,181263E+22
1152	1,588928E+22	1,935856E+22	2,135324E+22	2,135348E+22	1,935937E+22	1,589020E+22	1,181320E+22	8,221192E+21	6,139035E+21	6,139107E+21	8,221393E+21	1,181343E+22
1153	1,589015E+22	1,935893E+22	2,135290E+22	2,135269E+22	1,935836E+22	1,588948E+22	1,181299E+22	8,221287E+21	6,139247E+21	6,139319E+21	8,221481E+21	1,181322E+22
1154	1,588960E+22	1,935804E+22	2,135180E+22	2,135207E+22	1,935852E+22	1,589005E+22	1,181370E+22	8,221937E+21	6,139707E+21	6,139546E+21	8,221460E+21	1,181303E+22
1155	1,588955E+22	1,935858E+22	2,135277E+22	2,135271E+22	1,935850E+22	1,588957E+22	1,181319E+22	8,221724E+21	6,139854E+21	6,139983E+21	8,222084E+21	1,181370E+22
1156	1,589001E+22	1,935855E+22	2,135217E+22	2,135163E+22	1,935756E+22	1,588921E+22	1,181328E+22	8,222021E+21	6,140162E+21	6,140171E+21	8,222056E+21	1,181328E+22
1157	1,588909E+22	1,935740E+22	2,135156E+22	2,135200E+22	1,935834E+22	1,588991E+22	1,181379E+22	8,222427E+21	6,140522E+21	6,140446E+21	8,22218E+21	1,181351E+22
1158	1,588968E+22	1,935823E+22	2,135212E+22	2,135215E+22	1,935813E+22	1,588943E+22	1,181329E+22	8,222102E+21	6,140460E+21	6,140650E+21	8,222609E+21	1,181388E+22
1159	1,588975E+22	1,935784E+22	2,135116E+22	2,135096E+22	1,935762E+22	1,588965E+22	1,181380E+22	8,222539E+21	6,140621E+21	6,140491E+21	8,222180E+21	1,181329E+22
1160	1,588914E+22	1,935752E+22	2,135162E+22	2,135187E+22	1,935820E+22	1,588988E+22	1,181382E+22	8,222482E+21	6,140602E+21	6,140543E+21	8,222334E+21	1,181371E+22
1161	1,588994E+22	1,935837E+22	2,135206E+22	2,135178E+22	1,935762E+22	1,588914E+22	1,181328E+22	8,222171E+21	6,140425E+21	6,140464E+21	8,222277E+21	1,181344E+22
1162	1,588934E+22	1,935758E+22	2,135122E+22	2,135136E+22	1,935796E+22	1,588978E+22	1,181380E+22	8,222425E+21	6,140391E+21	6,140207E+21	8,221903E+21	1,181306E+22
1163	1,588908E+22	1,935788E+22	2,135233E+22	2,135254E+22	1,935854E+22	1,588973E+22	1,181331E+22	8,221851E+21	6,140002E+21	6,140102E+21	8,222156E+21	1,181374E+22
1164	1,588996E+22	1,935837E+22	2,135216E+22	2,135189E+22	1,935784E+22	1,588934E+22	1,181316E+22	8,221677E+21	6,139724E+21	6,139775E+21	8,221821E+21	1,181331E+22
1165	1,588937E+22	1,935763E+22	2,135159E+22	2,135209E+22	1,935855E+22	1,589001E+22	1,181362E+22	8,221888E+21	6,139688E+21	6,139537E+21	8,221490E+21	1,181319E+22
1166	1,588987E+22	1,935885E+22	2,135283E+22	2,135274E+22	1,935866E+22	1,588965E+22	1,181300E+22	8,221327E+21	6,139348E+21	6,139466E+21	8,221669E+21	1,181349E+22
1167	1,589007E+22	1,935884E+22	2,135255E+22	2,135196E+22	1,935800E+22	1,588957E+22	1,181325E+22	8,221530E+21	6,139344E+21	6,139229E+21	8,221216E+21	1,181284E+22
1168	1,588926E+22	1,935812E+22	2,135265E+22	2,135293E+22	1,935880E+22	1,588992E+22	1,181336E+22	8,221591E+21	6,139435E+21	6,139357E+21	8,221382E+21	1,181317E+22
1169	1,588991E+22	1,935889E+22	2,135305E+22	2,135302E+22	1,935859E+22	1,588939E+22	1,181283E+22	8,221290E+21	6,139391E+21	6,139532E+21	8,221670E+21	1,181328E+22
1170	1,588957E+22	1,935809E+22	2,135180E+22	2,135184E+22	1,935836E+22	1,588991E+22	1,181352E+22	8,221823E+21	6,139683E+21	6,139583E+21	8,221520E+21	1,181298E+22
1171	1,588917E+22	1,935791E+22	2,135232E+22	2,135257E+22	1,935869E+22	1,588995E+22	1,181343E+22	8,221789E+21	6,139818E+21	6,139867E+21	8,221932E+21	1,181364E+22
1172	1,589007E+22	1,935856E+22	2,135226E+22	2,135183E+22	1,935764E+22	1,588920E+22	1,181321E+22	8,221903E+21	6,140062E+21	6,140139E+21	8,222086E+21	1,181339E+22
1173	1,588932E+22	1,935744E+22	2,135110E+22	2,135133E+22	1,935782E+22	1,588966E+22	1,181383E+22	8,222582E+21	6,140624E+21	6,140452E+21	8,222102E+21	1,181323E+22
1174	1,588931E+22	1,935797E+22	2,135197E+22	2,135198E+22	1,935810E+22	1,588947E+22	1,181339E+22	8,222323E+21	6,140727E+21	6,140873E+21	8,222727E+21	1,181388E+22
1175	1,588967E+22	1,935784E+22	2,135137E+22	2,135091E+22	1,935716E+22	1,588919E+22	1,181360E+22	8,222662E+21	6,141012E+21	6,141024E+21	8,222681E+21	1,181355E+22
1176	1,588996E+22	1,935678E+22	2,135065E+22	2,135112E+22	1,935773E+22	1,588972E+22	1,181402E+22	8,223008E+21	6,141297E+21	6,141224E+21	8,222813E+21	1,181380E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1177	1,588962E+22	1,935777E+22	2,135134E+22	2,135132E+22	1,935756E+22	1,588922E+22	1,181351E+22	8,222716E+21	6,141247E+21	6,141385E+21	8,223100E+21	1,181401E+22
1178	1,588954E+22	1,935734E+22	2,135045E+22	2,135013E+22	1,935697E+22	1,588945E+22	1,181404E+22	8,223132E+21	6,141398E+21	6,141257E+21	8,222727E+21	1,181345E+22
1179	1,588888E+22	1,935694E+22	2,135102E+22	2,135129E+22	1,935764E+22	1,588960E+22	1,181395E+22	8,222981E+21	6,141296E+21	6,141235E+21	8,222821E+21	1,181382E+22
1180	1,588969E+22	1,935788E+22	2,135150E+22	2,135127E+22	1,935722E+22	1,588893E+22	1,181339E+22	8,222606E+21	6,141070E+21	6,141173E+21	8,222878E+21	1,181369E+22
1181	1,588908E+22	1,935687E+22	2,135037E+22	2,135066E+22	1,935749E+22	1,588959E+22	1,181392E+22	8,222878E+21	6,141065E+21	6,140916E+21	8,222489E+21	1,181341E+22
1182	1,588909E+22	1,935743E+22	2,135148E+22	2,135168E+22	1,935810E+22	1,588974E+22	1,181356E+22	8,222321E+21	6,140623E+21	6,140727E+21	8,222622E+21	1,181394E+22
1183	1,588992E+22	1,935807E+22	2,135158E+22	2,135114E+22	1,935724E+22	1,588919E+22	1,181343E+22	8,222229E+21	6,140397E+21	6,140387E+21	8,222199E+21	1,181342E+22
1184	1,588933E+22	1,935737E+22	2,135107E+22	2,135140E+22	1,935787E+22	1,588964E+22	1,181371E+22	8,222370E+21	6,140373E+21	6,140196E+21	8,221910E+21	1,181326E+22
1185	1,588967E+22	1,935849E+22	2,135241E+22	2,135229E+22	1,935820E+22	1,588934E+22	1,181307E+22	8,221834E+21	6,140082E+21	6,140180E+21	8,222124E+21	1,181349E+22
1186	1,588962E+22	1,935814E+22	2,135186E+22	2,135143E+22	1,935762E+22	1,588943E+22	1,181341E+22	8,222049E+21	6,140105E+21	6,140032E+21	8,221839E+21	1,181305E+22
1187	1,588890E+22	1,935729E+22	2,135177E+22	2,135230E+22	1,935843E+22	1,588986E+22	1,181359E+22	8,222100E+21	6,140144E+21	6,140092E+21	8,221952E+21	1,181340E+22
1188	1,588972E+22	1,935828E+22	2,135220E+22	2,135222E+22	1,935807E+22	1,588931E+22	1,181313E+22	8,221860E+21	6,140124E+21	6,140300E+21	8,222299E+21	1,181356E+22
1189	1,588939E+22	1,935743E+22	2,135083E+22	2,135088E+22	1,935763E+22	1,588965E+22	1,181377E+22	8,222496E+21	6,140556E+21	6,140426E+21	8,222136E+21	1,181326E+22
1190	1,588912E+22	1,935749E+22	2,135147E+22	2,135156E+22	1,935801E+22	1,588981E+22	1,181370E+22	8,222450E+21	6,140703E+21	6,140733E+21	8,222523E+21	1,181377E+22
1191	1,588980E+22	1,935807E+22	2,135162E+22	2,135108E+22	1,935698E+22	1,588893E+22	1,181346E+22	8,222595E+21	6,140992E+21	6,141053E+21	8,222725E+21	1,181361E+22
1192	1,588913E+22	1,935685E+22	2,135032E+22	2,135061E+22	1,935722E+22	1,588930E+22	1,181389E+22	8,223134E+21	6,141491E+21	6,141368E+21	8,222823E+21	1,181357E+22
1193	1,588916E+22	1,935737E+22	2,135113E+22	2,135124E+22	1,935761E+22	1,588928E+22	1,181356E+22	8,222895E+21	6,141554E+21	6,141725E+21	8,223385E+21	1,181416E+22
1194	1,588949E+22	1,935720E+22	2,135045E+22	2,135005E+22	1,935658E+22	1,588909E+22	1,181390E+22	8,223276E+21	6,141808E+21	6,141834E+21	8,223314E+21	1,181385E+22
1195	1,588885E+22	1,935625E+22	2,134989E+22	2,135033E+22	1,935711E+22	1,588951E+22	1,181427E+22	8,223590E+21	6,142030E+21	6,141913E+21	8,223265E+21	1,181391E+22
1196	1,588944E+22	1,935741E+22	2,135081E+22	2,135064E+22	1,935696E+22	1,588901E+22	1,181374E+22	8,223277E+21	6,141981E+21	6,142118E+21	8,223611E+21	1,181407E+22
1197	1,588916E+22	1,935670E+22	2,134977E+22	2,134953E+22	1,935641E+22	1,588916E+22	1,181419E+22	8,223704E+21	6,142193E+21	6,142046E+21	8,223294E+21	1,181362E+22
1198	1,588862E+22	1,935633E+22	2,135016E+22	2,135055E+22	1,935728E+22	1,588956E+22	1,181415E+22	8,223483E+21	6,142019E+21	6,141978E+21	8,223372E+21	1,181398E+22
1199	1,588939E+22	1,935724E+22	2,135071E+22	2,135057E+22	1,935679E+22	1,588889E+22	1,181367E+22	8,223141E+21	6,141761E+21	6,141860E+21	8,223398E+21	1,181397E+22
1200	1,588907E+22	1,935642E+22	2,134958E+22	2,134987E+22	1,935687E+22	1,588930E+22	1,181402E+22	8,223314E+21	6,141687E+21	6,141545E+21	8,222977E+21	1,181367E+22
1201	1,588913E+22	1,935717E+22	2,135088E+22	2,135096E+22	1,935750E+22	1,588943E+22	1,181369E+22	8,222812E+21	6,141273E+21	6,141337E+21	8,223021E+21	1,181403E+22
1202	1,588973E+22	1,935771E+22	2,135108E+22	2,135055E+22	1,935669E+22	1,588897E+22	1,181360E+22	8,222722E+21	6,141067E+21	6,141062E+21	8,222676E+21	1,181353E+22
1203	1,588904E+22	1,935689E+22	2,135063E+22	2,135100E+22	1,935742E+22	1,588939E+22	1,181381E+22	8,222818E+21	6,141017E+21	6,140848E+21	8,222368E+21	1,181332E+22
1204	1,588932E+22	1,935794E+22	2,135184E+22	2,135185E+22	1,935791E+22	1,588925E+22	1,181324E+22	8,222281E+21	6,140754E+21	6,140920E+21	8,222722E+21	1,181368E+22
1205	1,588928E+22	1,935734E+22	2,135089E+22	2,135069E+22	1,935719E+22	1,588934E+22	1,181364E+22	8,222597E+21	6,140868E+21	6,140828E+21	8,222482E+21	1,181339E+22
1206	1,588885E+22	1,935671E+22	2,135066E+22	2,135123E+22	1,935789E+22	1,588986E+22	1,181393E+22	8,222720E+21	6,140927E+21	6,140861E+21	8,222518E+21	1,181362E+22
1207	1,588959E+22	1,935781E+22	2,135139E+22	2,135127E+22	1,935734E+22	1,588910E+22	1,181347E+22	8,222569E+21	6,140989E+21	6,141099E+21	8,222833E+21	1,181377E+22
1208	1,588933E+22	1,935703E+22	2,135010E+22	2,134999E+22	1,935677E+22	1,588916E+22	1,181385E+22	8,223089E+21	6,141422E+21	6,141292E+21	8,222751E+21	1,181346E+22
1209	1,588894E+22	1,935707E+22	2,135088E+22	2,135090E+22	1,935734E+22	1,588938E+22	1,181380E+22	8,223057E+21	6,141580E+21	6,141621E+21	8,223165E+21	1,181393E+22
1210	1,588944E+22	1,935739E+22	2,135085E+22	2,135043E+22	1,935650E+22	1,588875E+22	1,181364E+22	8,223165E+21	6,141839E+21	6,141961E+21	8,223456E+21	1,181392E+22
1211	1,588885E+22	1,935615E+22	2,134950E+22	2,134991E+22	1,935676E+22	1,588919E+22	1,181413E+22	8,223676E+21	6,142243E+21	6,142146E+21	8,223423E+21	1,181383E+22
1212	1,588903E+22	1,935686E+22	2,135038E+22	2,135050E+22	1,935712E+22	1,588921E+22	1,181388E+22	8,223487E+21	6,142316E+21	6,142499E+21	8,223966E+21	1,181436E+22

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	1,588927E+22	1,935659E+22	2,134955E+22	2,134919E+22	1,935596E+22	1,588891E+22	1,181421E+22	8,223963E+21	6,142672E+21	6,142644E+21	8,223867E+21	1,181403E+22
1214	1,588870E+22	1,935580E+22	2,134905E+22	2,134944E+22	1,935657E+22	1,588943E+22	1,181459E+22	8,224255E+21	6,142875E+21	6,142716E+21	8,223789E+21	1,181396E+22
1215	1,588904E+22	1,935682E+22	2,135018E+22	2,135002E+22	1,935641E+22	1,588877E+22	1,181399E+22	8,223924E+21	6,142821E+21	6,142923E+21	8,224174E+21	1,181426E+22
1216	1,588890E+22	1,935602E+22	2,134892E+22	2,134880E+22	1,935584E+22	1,588880E+22	1,181422E+22	8,224166E+21	6,142938E+21	6,142845E+21	8,223947E+21	1,181395E+22
1217	1,588851E+22	1,935581E+22	2,134935E+22	2,134977E+22	1,935673E+22	1,588932E+22	1,181428E+22	8,223942E+21	6,142678E+21	6,142677E+21	8,223938E+21	1,181427E+22
1218	1,588930E+22	1,935677E+22	2,134991E+22	2,134974E+22	1,935620E+22	1,588870E+22	1,181386E+22	8,223608E+21	6,142390E+21	6,142508E+21	8,223915E+21	1,181424E+22
1219	1,588902E+22	1,935613E+22	2,134907E+22	2,134922E+22	1,935629E+22	1,588902E+22	1,181413E+22	8,223734E+21	6,142258E+21	6,142090E+21	8,223329E+21	1,181375E+22
1220	1,588900E+22	1,935696E+22	2,135056E+22	2,135053E+22	1,935705E+22	1,588921E+22	1,181381E+22	8,223230E+21	6,141880E+21	6,141959E+21	8,223438E+21	1,181403E+22
1221	1,588933E+22	1,935710E+22	2,135049E+22	2,135014E+22	1,935634E+22	1,588877E+22	1,181375E+22	8,223225E+21	6,141774E+21	6,141768E+21	8,223184E+21	1,181366E+22
1222	1,588874E+22	1,935626E+22	2,134975E+22	2,135033E+22	1,935720E+22	1,588947E+22	1,181409E+22	8,223339E+21	6,141722E+21	6,141568E+21	8,222902E+21	1,181346E+22
1223	1,588895E+22	1,935721E+22	2,135097E+22	2,135111E+22	1,935748E+22	1,588926E+22	1,181362E+22	8,222906E+21	6,141507E+21	6,141644E+21	8,223262E+21	1,181396E+22
1224	1,588920E+22	1,935676E+22	2,134991E+22	2,134973E+22	1,935649E+22	1,588905E+22	1,181384E+22	8,223178E+21	6,141648E+21	6,141606E+21	8,223082E+21	1,181371E+22
1225	1,588885E+22	1,935638E+22	2,134989E+22	2,135026E+22	1,935709E+22	1,588950E+22	1,181414E+22	8,223354E+21	6,141752E+21	6,141662E+21	8,223083E+21	1,181380E+22
1226	1,588939E+22	1,935737E+22	2,135071E+22	2,135046E+22	1,935660E+22	1,588876E+22	1,181366E+22	8,223186E+21	6,141848E+21	6,141976E+21	8,223496E+21	1,181401E+22
1227	1,588907E+22	1,935654E+22	2,134958E+22	2,134944E+22	1,935619E+22	1,588877E+22	1,181391E+22	8,223605E+21	6,142211E+21	6,142115E+21	8,223374E+21	1,181368E+22
1228	1,588869E+22	1,935652E+22	2,135023E+22	2,135036E+22	1,935696E+22	1,588921E+22	1,181394E+22	8,223553E+21	6,142362E+21	6,142485E+21	8,223861E+21	1,181420E+22
1229	1,588916E+22	1,935662E+22	2,134989E+22	2,134968E+22	1,935607E+22	1,588867E+22	1,181393E+22	8,223786E+21	6,142672E+21	6,142811E+21	8,224125E+21	1,181426E+22
1230	1,588879E+22	1,935563E+22	2,134848E+22	2,134891E+22	1,935625E+22	1,588921E+22	1,181453E+22	8,224368E+21	6,143084E+21	6,142941E+21	8,223961E+21	1,181396E+22
1231	1,588875E+22	1,935632E+22	2,134961E+22	2,134965E+22	1,935649E+22	1,588907E+22	1,181428E+22	8,224256E+21	6,143220E+21	6,143299E+21	8,224455E+21	1,181448E+22
1232	1,588906E+22	1,935604E+22	2,134878E+22	2,134838E+22	1,935525E+22	1,588850E+22	1,181434E+22	8,224581E+21	6,143546E+21	6,143506E+21	8,224465E+21	1,181419E+22
1233	1,588841E+22	1,935523E+22	2,134830E+22	2,134870E+22	1,935594E+22	1,588906E+22	1,181471E+22	8,224839E+21	6,143697E+21	6,143555E+21	8,224414E+21	1,181413E+22
1234	1,588866E+22	1,935605E+22	2,134928E+22	2,134926E+22	1,935593E+22	1,588861E+22	1,181416E+22	8,224427E+21	6,143559E+21	6,143722E+21	8,224850E+21	1,181461E+22
1235	1,588871E+22	1,935542E+22	2,134818E+22	2,134808E+22	1,935531E+22	1,588859E+22	1,181435E+22	8,224570E+21	6,143522E+21	6,143467E+21	8,224460E+21	1,181424E+22
1236	1,588850E+22	1,935549E+22	2,134877E+22	2,134911E+22	1,935622E+22	1,588912E+22	1,181443E+22	8,224357E+21	6,143259E+21	6,143282E+21	8,224395E+21	1,181445E+22
1237	1,588918E+22	1,935638E+22	2,134929E+22	2,134908E+22	1,935570E+22	1,588851E+22	1,181405E+22	8,224109E+21	6,143043E+21	6,143129E+21	8,224332E+21	1,181437E+22
1238	1,588892E+22	1,935585E+22	2,134850E+22	2,134858E+22	1,935591E+22	1,588895E+22	1,181437E+22	8,224252E+21	6,142924E+21	6,142722E+21	8,223722E+21	1,181374E+22
1239	1,588859E+22	1,935642E+22	2,135007E+22	2,135012E+22	1,935673E+22	1,588909E+22	1,181406E+22	8,223806E+21	6,142603E+21	6,142629E+21	8,223892E+21	1,181417E+22
1240	1,588906E+22	1,935641E+22	2,134965E+22	2,134948E+22	1,935594E+22	1,588856E+22	1,181386E+22	8,223696E+21	6,142485E+21	6,142519E+21	8,223786E+21	1,181396E+22
1241	1,588861E+22	1,935570E+22	2,134887E+22	2,134943E+22	1,935661E+22	1,588929E+22	1,181434E+22	8,223895E+21	6,142435E+21	6,142301E+21	8,223486E+21	1,181374E+22
1242	1,588880E+22	1,935664E+22	2,135008E+22	2,135015E+22	1,935680E+22	1,588904E+22	1,181389E+22	8,223500E+21	6,142264E+21	6,142401E+21	8,223852E+21	1,181424E+22
1243	1,588909E+22	1,935640E+22	2,134933E+22	2,134891E+22	1,935574E+22	1,588865E+22	1,181395E+22	8,223701E+21	6,142380E+21	6,142328E+21	8,223585E+21	1,181387E+22
1244	1,588870E+22	1,935609E+22	2,134949E+22	2,134970E+22	1,935648E+22	1,588912E+22	1,181421E+22	8,223856E+21	6,142530E+21	6,142484E+21	8,223669E+21	1,181392E+22
1245	1,588903E+22	1,935671E+22	2,135000E+22	2,134987E+22	1,935616E+22	1,588851E+22	1,181380E+22	8,223764E+21	6,142693E+21	6,142844E+21	8,224154E+21	1,181426E+22
1246	1,588883E+22	1,935589E+22	2,134865E+22	2,134869E+22	1,935592E+22	1,588881E+22	1,181421E+22	8,224208E+21	6,143033E+21	6,142948E+21	8,223995E+21	1,181389E+22
1247	1,588837E+22	1,935580E+22	2,134937E+22	2,134962E+22	1,935654E+22	1,588919E+22	1,181436E+22	8,224270E+21	6,143218E+21	6,143279E+21	8,224428E+21	1,181448E+22
1248	1,588904E+22	1,935596E+22	2,134886E+22	2,134870E+22	1,935543E+22	1,588843E+22	1,181419E+22	8,224471E+21	6,143561E+21	6,143671E+21	8,224741E+21	1,181451E+22

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°
1249	1,588867E+22	1,935519E+22	2,134768E+22	2,134790E+22	1,935548E+22	1,588894E+22	1,181484E+22	8,225087E+21	6,143982E+21	6,143808E+21	8,224561E+21	1,181410E+22
1250	1,588840E+22	1,935567E+22	2,134883E+22	2,134880E+22	1,935577E+22	1,588877E+22	1,181452E+22	8,224923E+21	6,144117E+21	6,144204E+21	8,225128E+21	1,181469E+22
1251	1,588871E+22	1,935541E+22	2,134812E+22	2,134769E+22	1,935465E+22	1,588813E+22	1,181440E+22	8,225088E+21	6,144318E+21	6,144320E+21	8,225105E+21	1,181446E+22
1252	1,588822E+22	1,935467E+22	2,134758E+22	2,134803E+22	1,935548E+22	1,588882E+22	1,181478E+22	8,225248E+21	6,144391E+21	6,144339E+21	8,225061E+21	1,181445E+22
1253	1,588851E+22	1,935540E+22	2,134835E+22	2,134842E+22	1,935542E+22	1,588846E+22	1,181437E+22	8,224925E+21	6,144232E+21	6,144411E+21	8,225409E+21	1,181496E+22
1254	1,588879E+22	1,935511E+22	2,134741E+22	2,134723E+22	1,935485E+22	1,588851E+22	1,181461E+22	8,225090E+21	6,144159E+21	6,144054E+21	8,224840E+21	1,181434E+22
1255	1,588835E+22	1,935519E+22	2,134835E+22	2,134854E+22	1,935572E+22	1,588894E+22	1,181470E+22	8,224939E+21	6,143944E+21	6,143862E+21	8,224721E+21	1,181450E+22
1256	1,588899E+22	1,935595E+22	2,134877E+22	2,134855E+22	1,935523E+22	1,588820E+22	1,181414E+22	8,224599E+21	6,143744E+21	6,143816E+21	8,224784E+21	1,181443E+22
1257	1,588861E+22	1,935537E+22	2,134795E+22	2,134803E+22	1,935550E+22	1,588875E+22	1,181455E+22	8,224765E+21	6,143621E+21	6,143435E+21	8,224243E+21	1,181385E+22
1258	1,588816E+22	1,935561E+22	2,134923E+22	2,134944E+22	1,935638E+22	1,588905E+22	1,181431E+22	8,224324E+21	6,143306E+21	6,143366E+21	8,224483E+21	1,181442E+22
1259	1,588881E+22	1,935580E+22	2,134890E+22	2,134870E+22	1,935541E+22	1,588837E+22	1,181403E+22	8,224168E+21	6,143122E+21	6,143172E+21	8,224305E+21	1,181424E+22
1260	1,588859E+22	1,935532E+22	2,134820E+22	2,134862E+22	1,935600E+22	1,588903E+22	1,181449E+22	8,224383E+21	6,143129E+21	6,143014E+21	8,224011E+21	1,181395E+22
1261	1,588867E+22	1,935617E+22	2,134935E+22	2,134932E+22	1,935617E+22	1,588878E+22	1,181409E+22	8,224086E+21	6,143042E+21	6,143163E+21	8,224406E+21	1,181447E+22
1262	1,588900E+22	1,935603E+22	2,134870E+22	2,134821E+22	1,935523E+22	1,588843E+22	1,181413E+22	8,224272E+21	6,143167E+21	6,143107E+21	8,224127E+21	1,181397E+22
1263	1,588834E+22	1,935549E+22	2,134892E+22	2,134919E+22	1,935609E+22	1,588892E+22	1,181442E+22	8,224472E+21	6,143366E+21	6,143290E+21	8,224263E+21	1,181419E+22
1264	1,588882E+22	1,935598E+22	2,134907E+22	2,134910E+22	1,935574E+22	1,588833E+22	1,181395E+22	8,224309E+21	6,143519E+21	6,143719E+21	8,224842E+21	1,181460E+22
1265	1,588873E+22	1,935532E+22	2,134774E+22	2,134769E+22	1,935526E+22	1,588866E+22	1,181455E+22	8,224876E+21	6,143870E+21	6,143789E+21	8,224630E+21	1,181415E+22
1266	1,588818E+22	1,935515E+22	2,134841E+22	2,134861E+22	1,935586E+22	1,588902E+22	1,181471E+22	8,225003E+21	6,144119E+21	6,144138E+21	8,225033E+21	1,181468E+22
1267	1,588881E+22	1,935550E+22	2,134822E+22	2,134783E+22	1,935467E+22	1,588806E+22	1,181437E+22	8,225099E+21	6,144410E+21	6,144492E+21	8,225296E+21	1,181464E+22
1268	1,588841E+22	1,935470E+22	2,134711E+22	2,134722E+22	1,935485E+22	1,588858E+22	1,181494E+22	8,225643E+21	6,144828E+21	6,144693E+21	8,225193E+21	1,181425E+22
1269	1,588801E+22	1,935487E+22	2,134794E+22	2,134806E+22	1,935529E+22	1,588856E+22	1,181468E+22	8,225495E+21	6,144942E+21	6,145060E+21	8,225803E+21	1,181499E+22
1270	1,588852E+22	1,935475E+22	2,134715E+22	2,134687E+22	1,935428E+22	1,588809E+22	1,181464E+22	8,225619E+21	6,145051E+21	6,145068E+21	8,225680E+21	1,181471E+22
1271	1,588804E+22	1,935410E+22	2,134685E+22	2,134732E+22	1,935500E+22	1,588871E+22	1,181507E+22	8,225844E+21	6,145106E+21	6,144990E+21	8,225538E+21	1,181474E+22
1272	1,588853E+22	1,935497E+22	2,134757E+22	2,134759E+22	1,935484E+22	1,588820E+22	1,181453E+22	8,225460E+21	6,144952E+21	6,145100E+21	8,225883E+21	1,181514E+22
1273	1,588874E+22	1,935488E+22	2,134694E+22	2,134650E+22	1,935420E+22	1,588827E+22	1,181485E+22	8,225656E+21	6,144870E+21	6,144736E+21	8,225283E+21	1,181439E+22
1274	1,588802E+22	1,935467E+22	2,134784E+22	2,134801E+22	1,935525E+22	1,588873E+22	1,181489E+22	8,225487E+21	6,144675E+21	6,144585E+21	8,225225E+21	1,181457E+22
1275	1,588860E+22	1,935537E+22	2,134824E+22	2,134807E+22	1,935487E+22	1,588798E+22	1,181419E+22	8,225013E+21	6,144389E+21	6,144495E+21	8,225308E+21	1,181463E+22
1276	1,588838E+22	1,935478E+22	2,134729E+22	2,134743E+22	1,935514E+22	1,588864E+22	1,181465E+22	8,225146E+21	6,144251E+21	6,144147E+21	8,224819E+21	1,181412E+22
1277	1,588799E+22	1,935491E+22	2,134824E+22	2,134853E+22	1,935585E+22	1,588895E+22	1,181456E+22	8,224843E+21	6,143977E+21	6,144045E+21	8,225025E+21	1,181474E+22
1278	1,588884E+22	1,935540E+22	2,134806E+22	2,134779E+22	1,935487E+22	1,588824E+22	1,181428E+22	8,224726E+21	6,143823E+21	6,143827E+21	8,224744E+21	1,181438E+22
1279	1,588844E+22	1,935497E+22	2,134773E+22	2,134800E+22	1,935540E+22	1,588873E+22	1,181467E+22	8,224975E+21	6,143889E+21	6,143697E+21	8,224459E+21	1,181411E+22
1280	1,588851E+22	1,935565E+22	2,134868E+22	2,134864E+22	1,935557E+22	1,588839E+22	1,181414E+22	8,224615E+21	6,143843E+21	6,143980E+21	8,224994E+21	1,181465E+22
1281	1,588877E+22	1,935550E+22	2,134806E+22	2,134754E+22	1,935472E+22	1,588824E+22	1,181433E+22	8,224832E+21	6,143955E+21	6,143935E+21	8,224759E+21	1,181419E+22
1282	1,588800E+22	1,935471E+22	2,134803E+22	2,134842E+22	1,935565E+22	1,588887E+22	1,181470E+22	8,225078E+21	6,144180E+21	6,144127E+21	8,224908E+21	1,181444E+22
1283	1,588859E+22	1,935539E+22	2,134826E+22	2,134824E+22	1,935517E+22	1,588816E+22	1,181419E+22	8,224903E+21	6,144303E+21	6,144494E+21	8,225413E+21	1,181485E+22
1284	1,588864E+22	1,935488E+22	2,134702E+22	2,134684E+22	1,935463E+22	1,588845E+22	1,181477E+22	8,225494E+21	6,144726E+21	6,144642E+21	8,225211E+21	1,181432E+22

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	1,588792E+22	1,935450E+22	2,134753E+22	2,134769E+22	1,935518E+22	1,588881E+22	1,181500E+22	8,225709E+21	6,145033E+21	6,145024E+21	8,225654E+21	1,181487E+22
1286	1,588857E+22	1,935491E+22	2,134742E+22	2,134707E+22	1,935414E+22	1,588784E+22	1,181460E+22	8,225764E+21	6,145301E+21	6,145365E+21	8,225914E+21	1,181480E+22
1287	1,588804E+22	1,935399E+22	2,134639E+22	2,134660E+22	1,935438E+22	1,588835E+22	1,181513E+22	8,226266E+21	6,145681E+21	6,145527E+21	8,225848E+21	1,181460E+22
1288	1,588786E+22	1,935413E+22	2,134692E+22	2,134714E+22	1,935472E+22	1,588834E+22	1,181483E+22	8,226029E+21	6,145735E+21	6,145900E+21	8,226484E+21	1,181537E+22
1289	1,588854E+22	1,935433E+22	2,134636E+22	2,134592E+22	1,935356E+22	1,588789E+22	1,181492E+22	8,226196E+21	6,145783E+21	6,145806E+21	8,226237E+21	1,181496E+22
1290	1,588794E+22	1,935366E+22	2,134615E+22	2,134652E+22	1,935439E+22	1,588850E+22	1,181531E+22	8,226434E+21	6,145862E+21	6,145705E+21	8,226012E+21	1,181484E+22
1291	1,588835E+22	1,935470E+22	2,134718E+22	2,134699E+22	1,935428E+22	1,588790E+22	1,181461E+22	8,225934E+21	6,145632E+21	6,145759E+21	8,226303E+21	1,181519E+22
1292	1,588848E+22	1,935447E+22	2,134656E+22	2,134611E+22	1,935381E+22	1,588803E+22	1,181490E+22	8,226078E+21	6,145551E+21	6,145451E+21	8,225772E+21	1,181446E+22
1293	1,588761E+22	1,935387E+22	2,134701E+22	2,134745E+22	1,935499E+22	1,588870E+22	1,181509E+22	8,225970E+21	6,145348E+21	6,145283E+21	8,225770E+21	1,181479E+22
1294	1,588837E+22	1,935468E+22	2,134734E+22	2,134737E+22	1,935457E+22	1,588800E+22	1,181446E+22	8,225494E+21	6,145012E+21	6,145121E+21	8,225782E+21	1,181481E+22
1295	1,588818E+22	1,935420E+22	2,134653E+22	2,134670E+22	1,935462E+22	1,588852E+22	1,181493E+22	8,225703E+21	6,144909E+21	6,144744E+21	8,225276E+21	1,181440E+22
1296	1,588800E+22	1,935446E+22	2,134738E+22	2,134758E+22	1,935517E+22	1,588867E+22	1,181471E+22	8,225365E+21	6,144694E+21	6,144749E+21	8,225528E+21	1,181495E+22
1297	1,588882E+22	1,935517E+22	2,134753E+22	2,134696E+22	1,935408E+22	1,588793E+22	1,181448E+22	8,225277E+21	6,144561E+21	6,144570E+21	8,225266E+21	1,181450E+22
1298	1,588818E+22	1,935446E+22	2,134716E+22	2,134743E+22	1,935486E+22	1,588843E+22	1,181479E+22	8,225526E+21	6,144682E+21	6,144504E+21	8,225048E+21	1,181426E+22
1299	1,588822E+22	1,935514E+22	2,134811E+22	2,134807E+22	1,935513E+22	1,588814E+22	1,181418E+22	8,225061E+21	6,144568E+21	6,144752E+21	8,225596E+21	1,181491E+22
1300	1,588860E+22	1,935494E+22	2,134736E+22	2,134689E+22	1,935429E+22	1,588811E+22	1,181448E+22	8,225308E+21	6,144700E+21	6,144741E+21	8,225374E+21	1,181444E+22
1301	1,588782E+22	1,935401E+22	2,134703E+22	2,134750E+22	1,935509E+22	1,588880E+22	1,181506E+22	8,225735E+21	6,144993E+21	6,144919E+21	8,225489E+21	1,181468E+22
1302	1,588848E+22	1,935487E+22	2,134740E+22	2,134735E+22	1,935459E+22	1,588804E+22	1,181453E+22	8,225607E+21	6,145171E+21	6,145293E+21	8,225916E+21	1,181492E+22
1303	1,588832E+22	1,935434E+22	2,134641E+22	2,134617E+22	1,935400E+22	1,588820E+22	1,181505E+22	8,226223E+21	6,145648E+21	6,145491E+21	8,225793E+21	1,181450E+22
1304	1,588763E+22	1,935377E+22	2,134660E+22	2,134684E+22	1,935455E+22	1,588848E+22	1,181514E+22	8,226352E+21	6,145973E+21	6,145987E+21	8,226371E+21	1,181511E+22
1305	1,588830E+22	1,935424E+22	2,134654E+22	2,134620E+22	1,935351E+22	1,588766E+22	1,181485E+22	8,226384E+21	6,146172E+21	6,146284E+21	8,226644E+21	1,181511E+22
1306	1,588779E+22	1,935323E+22	2,134542E+22	2,134575E+22	1,935382E+22	1,588820E+22	1,181537E+22	8,226868E+21	6,146505E+21	6,146376E+21	8,226518E+21	1,181491E+22
1307	1,588777E+22	1,935369E+22	2,134616E+22	2,134627E+22	1,935406E+22	1,588807E+22	1,181499E+22	8,226556E+21	6,146461E+21	6,146626E+21	8,227030E+21	1,181564E+22
1308	1,588853E+22	1,935406E+22	2,134585E+22	2,134527E+22	1,935300E+22	1,588766E+22	1,181505E+22	8,226690E+21	6,146509E+21	6,146535E+21	8,226725E+21	1,181508E+22
1309	1,588774E+22	1,935320E+22	2,134553E+22	2,134586E+22	1,935386E+22	1,588833E+22	1,181554E+22	8,226986E+21	6,146590E+21	6,146417E+21	8,226497E+21	1,181493E+22
1310	1,588807E+22	1,935416E+22	2,134655E+22	2,134651E+22	1,935397E+22	1,588780E+22	1,181481E+22	8,226455E+21	6,146330E+21	6,146439E+21	8,226761E+21	1,181524E+22
1311	1,588809E+22	1,935380E+22	2,134591E+22	2,134569E+22	1,935354E+22	1,588796E+22	1,181508E+22	8,226566E+21	6,146213E+21	6,146101E+21	8,226296E+21	1,181474E+22
1312	1,588745E+22	1,935313E+22	2,134592E+22	2,134653E+22	1,935445E+22	1,588856E+22	1,181528E+22	8,226442E+21	6,146014E+21	6,145980E+21	8,226333E+21	1,181509E+22
1313	1,588836E+22	1,935426E+22	2,134651E+22	2,134640E+22	1,935382E+22	1,588782E+22	1,181476E+22	8,226039E+21	6,145674E+21	6,145775E+21	8,226274E+21	1,181502E+22
1314	1,588810E+22	1,935382E+22	2,134588E+22	2,134591E+22	1,935392E+22	1,588821E+22	1,181510E+22	8,226247E+21	6,145628E+21	6,145433E+21	8,225735E+21	1,181450E+22
1315	1,588785E+22	1,935424E+22	2,134699E+22	2,134695E+22	1,935447E+22	1,588825E+22	1,181473E+22	8,225807E+21	6,145375E+21	6,145438E+21	8,226003E+21	1,181505E+22
1316	1,588860E+22	1,935481E+22	2,134715E+22	2,134659E+22	1,935367E+22	1,588763E+22	1,181447E+22	8,225674E+21	6,145260E+21	6,145325E+21	8,225811E+21	1,181463E+22
1317	1,588783E+22	1,935374E+22	2,134635E+22	2,134684E+22	1,935455E+22	1,588839E+22	1,181500E+22	8,226021E+21	6,145396E+21	6,145257E+21	8,225637E+21	1,181450E+22
1318	1,588800E+22	1,935446E+22	2,134721E+22	2,134741E+22	1,935482E+22	1,588818E+22	1,181451E+22	8,225641E+21	6,145298E+21	6,145463E+21	8,226104E+21	1,181508E+22
1319	1,588837E+22	1,935434E+22	2,134657E+22	2,134621E+22	1,935382E+22	1,588803E+22	1,181484E+22	8,225997E+21	6,145513E+21	6,145481E+21	8,225919E+21	1,181471E+22
1320	1,588770E+22	1,935340E+22	2,134601E+22	2,134647E+22	1,935438E+22	1,588859E+22	1,181535E+22	8,226443E+21	6,145915E+21	6,145813E+21	8,226116E+21	1,181487E+22

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	1,588827E+22	1,935439E+22	2,134667E+22	2,134642E+22	1,935375E+22	1,588777E+22	1,181485E+22	8,226330E+21	6,146110E+21	6,146233E+21	8,226596E+21	1,181509E+22
1322	1,588795E+22	1,935360E+22	2,134559E+22	2,134543E+22	1,935336E+22	1,588787E+22	1,181523E+22	8,226895E+21	6,146603E+21	6,146471E+21	8,226536E+21	1,181475E+22
1323	1,588738E+22	1,935318E+22	2,134576E+22	2,134601E+22	1,935392E+22	1,588817E+22	1,181521E+22	8,226860E+21	6,146795E+21	6,146881E+21	8,227106E+21	1,181550E+22
1324	1,588824E+22	1,935373E+22	2,134572E+22	2,134537E+22	1,935292E+22	1,588743E+22	1,181495E+22	8,226869E+21	6,146941E+21	6,147112E+21	8,227299E+21	1,181544E+22
1325	1,588774E+22	1,935271E+22	2,134451E+22	2,134483E+22	1,935320E+22	1,588804E+22	1,181564E+22	8,227454E+21	6,147259E+21	6,147113E+21	8,227064E+21	1,181516E+22
1326	1,588774E+22	1,935334E+22	2,134553E+22	2,134561E+22	1,935354E+22	1,588789E+22	1,181523E+22	8,227140E+21	6,147199E+21	6,147296E+21	8,227425E+21	1,181565E+22
1327	1,588823E+22	1,935361E+22	2,134542E+22	2,134487E+22	1,935256E+22	1,588746E+22	1,181526E+22	8,227270E+21	6,147243E+21	6,147210E+21	8,227180E+21	1,181517E+22
1328	1,588739E+22	1,935251E+22	2,134471E+22	2,134522E+22	1,935344E+22	1,588816E+22	1,181570E+22	8,227513E+21	6,147339E+21	6,147180E+21	8,227053E+21	1,181506E+22
1329	1,588772E+22	1,935351E+22	2,134575E+22	2,134575E+22	1,935347E+22	1,588775E+22	1,181511E+22	8,226975E+21	6,147022E+21	6,147157E+21	8,227315E+21	1,181543E+22
1330	1,588779E+22	1,935307E+22	2,134500E+22	2,134490E+22	1,935303E+22	1,588784E+22	1,181535E+22	8,227111E+21	6,146909E+21	6,146797E+21	8,226822E+21	1,181495E+22
1331	1,588738E+22	1,935278E+22	2,134517E+22	2,134564E+22	1,935376E+22	1,588826E+22	1,181540E+22	8,226899E+21	6,146650E+21	6,146613E+21	8,226810E+21	1,181532E+22
1332	1,588835E+22	1,935404E+22	2,134601E+22	2,134572E+22	1,935319E+22	1,588749E+22	1,181481E+22	8,226472E+21	6,146341E+21	6,146449E+21	8,226741E+21	1,181516E+22
1333	1,588792E+22	1,935343E+22	2,134533E+22	2,134532E+22	1,935338E+22	1,588794E+22	1,181523E+22	8,226724E+21	6,146305E+21	6,146126E+21	8,226248E+21	1,181465E+22
1334	1,588762E+22	1,935375E+22	2,134646E+22	2,134659E+22	1,935416E+22	1,588806E+22	1,181485E+22	8,226275E+21	6,146054E+21	6,146124E+21	8,226498E+21	1,181517E+22
1335	1,588827E+22	1,935419E+22	2,134653E+22	2,134622E+22	1,935345E+22	1,588759E+22	1,181467E+22	8,226165E+21	6,145939E+21	6,146018E+21	8,226388E+21	1,181494E+22
1336	1,588767E+22	1,935306E+22	2,134529E+22	2,134592E+22	1,935405E+22	1,588833E+22	1,181530E+22	8,226599E+21	6,146161E+21	6,146041E+21	8,226244E+21	1,181477E+22
1337	1,588790E+22	1,935398E+22	2,134635E+22	2,134639E+22	1,935409E+22	1,588809E+22	1,181494E+22	8,226339E+21	6,146135E+21	6,146263E+21	8,226662E+21	1,181525E+22
1338	1,588815E+22	1,935380E+22	2,134577E+22	2,134537E+22	1,935312E+22	1,588776E+22	1,181513E+22	8,226726E+21	6,146451E+21	6,146374E+21	8,226511E+21	1,181482E+22
1339	1,588745E+22	1,935297E+22	2,134529E+22	2,134561E+22	1,935360E+22	1,588816E+22	1,181546E+22	8,227053E+21	6,146808E+21	6,146724E+21	8,226788E+21	1,181509E+22
1340	1,588800E+22	1,935381E+22	2,134596E+22	2,134577E+22	1,935320E+22	1,588744E+22	1,181491E+22	8,226875E+21	6,146985E+21	6,147164E+21	8,227320E+21	1,181537E+22
1341	1,588766E+22	1,935284E+22	2,134461E+22	2,134459E+22	1,935283E+22	1,588771E+22	1,181544E+22	8,227448E+21	6,147409E+21	6,147332E+21	8,227245E+21	1,181511E+22
1342	1,588725E+22	1,935254E+22	2,134485E+22	2,134522E+22	1,935340E+22	1,588802E+22	1,181548E+22	8,227449E+21	6,147558E+21	6,147629E+21	8,227655E+21	1,181573E+22
1343	1,588812E+22	1,935328E+22	2,134503E+22	2,134472E+22	1,935244E+22	1,588729E+22	1,181523E+22	8,227483E+21	6,147696E+21	6,147816E+21	8,227813E+21	1,181568E+22
1344	1,588763E+22	1,935226E+22	2,134368E+22	2,134393E+22	1,935256E+22	1,588784E+22	1,181589E+22	8,228081E+21	6,148083E+21	6,147905E+21	8,227592E+21	1,181527E+22
1345	1,588748E+22	1,935292E+22	2,134497E+22	2,134489E+22	1,935289E+22	1,588772E+22	1,181557E+22	8,227790E+21	6,148016E+21	6,148085E+21	8,227957E+21	1,181572E+22
1346	1,588779E+22	1,935289E+22	2,134470E+22	2,134435E+22	1,935218E+22	1,588726E+22	1,181546E+22	8,227860E+21	6,148053E+21	6,148021E+21	8,227761E+21	1,181531E+22
1347	1,588709E+22	1,935192E+22	2,134385E+22	2,134442E+22	1,935294E+22	1,588795E+22	1,181581E+22	8,227950E+21	6,148015E+21	6,147913E+21	8,227659E+21	1,181537E+22
1348	1,588760E+22	1,935298E+22	2,134494E+22	2,134495E+22	1,935293E+22	1,588754E+22	1,181523E+22	8,227406E+21	6,147661E+21	6,147826E+21	8,227846E+21	1,181570E+22
1349	1,588771E+22	1,935261E+22	2,134418E+22	2,134402E+22	1,935240E+22	1,588762E+22	1,181554E+22	8,227597E+21	6,147543E+21	6,147422E+21	8,227292E+21	1,181517E+22
1350	1,588733E+22	1,935249E+22	2,134468E+22	2,134505E+22	1,935320E+22	1,588796E+22	1,181553E+22	8,227378E+21	6,147290E+21	6,147212E+21	8,227184E+21	1,181537E+22
1351	1,588811E+22	1,935370E+22	2,134567E+22	2,134541E+22	1,935283E+22	1,588725E+22	1,181492E+22	8,226934E+21	6,146977E+21	6,147077E+21	8,227215E+21	1,181532E+22
1352	1,588764E+22	1,935284E+22	2,134458E+22	2,134473E+22	1,935304E+22	1,588779E+22	1,181536E+22	8,227191E+21	6,147001E+21	6,146856E+21	8,226814E+21	1,181486E+22
1353	1,588736E+22	1,935317E+22	2,134572E+22	2,134587E+22	1,935373E+22	1,588807E+22	1,181519E+22	8,226816E+21	6,146751E+21	6,146838E+21	8,227046E+21	1,181538E+22
1354	1,588800E+22	1,935349E+22	2,134564E+22	2,134548E+22	1,935301E+22	1,588752E+22	1,181502E+22	8,226801E+21	6,146719E+21	6,146774E+21	8,226926E+21	1,181513E+22
1355	1,588757E+22	1,935268E+22	2,134447E+22	2,134495E+22	1,935335E+22	1,588808E+22	1,181552E+22	8,227197E+21	6,146954E+21	6,146822E+21	8,226815E+21	1,181499E+22
1356	1,588776E+22	1,935359E+22	2,134569E+22	2,134556E+22	1,935338E+22	1,588775E+22	1,181509E+22	8,226946E+21	6,146995E+21	6,147112E+21	8,227251E+21	1,181540E+22

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	1,588785E+22	1,935320E+22	2,134499E+22	2,134457E+22	1,935247E+22	1,588745E+22	1,181532E+22	8,227362E+21	6,147330E+21	6,147270E+21	8,227195E+21	1,181507E+22
1358	1,588719E+22	1,935231E+22	2,134454E+22	2,134499E+22	1,935310E+22	1,588785E+22	1,181558E+22	8,227622E+21	6,147644E+21	6,147578E+21	8,227439E+21	1,181534E+22
1359	1,588773E+22	1,935312E+22	2,134512E+22	2,134509E+22	1,935277E+22	1,588729E+22	1,181511E+22	8,227426E+21	6,147758E+21	6,147975E+21	8,228012E+21	1,181578E+22
1360	1,588757E+22	1,935220E+22	2,134354E+22	2,134354E+22	1,935218E+22	1,588755E+22	1,181571E+22	8,228062E+21	6,148222E+21	6,148155E+21	8,227881E+21	1,181542E+22
1361	1,588721E+22	1,935218E+22	2,134412E+22	2,134424E+22	1,935263E+22	1,588784E+22	1,181585E+22	8,228138E+21	6,148401E+21	6,148419E+21	8,228176E+21	1,181585E+22
1362	1,588786E+22	1,935278E+22	2,134439E+22	2,134405E+22	1,935188E+22	1,588705E+22	1,181551E+22	8,228181E+21	6,148594E+21	6,148654E+21	8,228318E+21	1,181569E+22
1363	1,588732E+22	1,935183E+22	2,134308E+22	2,134325E+22	1,935200E+22	1,588752E+22	1,181601E+22	8,228638E+21	6,148898E+21	6,148735E+21	8,228183E+21	1,181540E+22
1364	1,588710E+22	1,935224E+22	2,134426E+22	2,134432E+22	1,935251E+22	1,588751E+22	1,181566E+22	8,228295E+21	6,148789E+21	6,148881E+21	8,228555E+21	1,181590E+22
1365	1,588743E+22	1,935208E+22	2,134371E+22	2,134355E+22	1,935176E+22	1,588719E+22	1,181571E+22	8,228374E+21	6,148746E+21	6,148746E+21	8,228365E+21	1,181563E+22
1366	1,588696E+22	1,935129E+22	2,134299E+22	2,134365E+22	1,935242E+22	1,588777E+22	1,181603E+22	8,228456E+21	6,148650E+21	6,148529E+21	8,228122E+21	1,181560E+22
1367	1,588752E+22	1,935257E+22	2,134430E+22	2,134428E+22	1,935245E+22	1,588737E+22	1,181543E+22	8,227899E+21	6,148274E+21	6,148419E+21	8,228317E+21	1,181596E+22
1368	1,588766E+22	1,935226E+22	2,134352E+22	2,134320E+22	1,935176E+22	1,588735E+22	1,181570E+22	8,228090E+21	6,148222E+21	6,148101E+21	8,227781E+21	1,181534E+22
1369	1,588718E+22	1,935219E+22	2,134426E+22	2,134444E+22	1,935263E+22	1,588773E+22	1,181573E+22	8,227896E+21	6,147986E+21	6,147906E+21	8,227676E+21	1,181549E+22
1370	1,588779E+22	1,935310E+22	2,134508E+22	2,134499E+22	1,935258E+22	1,588710E+22	1,181506E+22	8,227438E+21	6,147700E+21	6,147808E+21	8,227736E+21	1,181549E+22
1371	1,588747E+22	1,935238E+22	2,134382E+22	2,134396E+22	1,935258E+22	1,588764E+22	1,181550E+22	8,227628E+21	6,147659E+21	6,147563E+21	8,227387E+21	1,181515E+22
1372	1,588726E+22	1,935268E+22	2,134496E+22	2,134509E+22	1,935322E+22	1,588790E+22	1,181540E+22	8,227354E+21	6,147462E+21	6,147528E+21	8,227545E+21	1,181557E+22
1373	1,588785E+22	1,935299E+22	2,134484E+22	2,134458E+22	1,935239E+22	1,588731E+22	1,181528E+22	8,227417E+21	6,147490E+21	6,147510E+21	8,227442E+21	1,181530E+22
1374	1,588736E+22	1,935220E+22	2,134387E+22	2,134424E+22	1,935269E+22	1,588775E+22	1,181571E+22	8,227812E+21	6,147767E+21	6,147593E+21	8,227316E+21	1,181507E+22
1375	1,588740E+22	1,935299E+22	2,134508E+22	2,134503E+22	1,935295E+22	1,588750E+22	1,181525E+22	8,227523E+21	6,147797E+21	6,147936E+21	8,227898E+21	1,181564E+22
1376	1,588752E+22	1,935243E+22	2,134401E+22	2,134370E+22	1,935194E+22	1,588724E+22	1,181549E+22	8,227944E+21	6,148186E+21	6,148174E+21	8,227912E+21	1,181539E+22
1377	1,588698E+22	1,935167E+22	2,134365E+22	2,134404E+22	1,935248E+22	1,588775E+22	1,181591E+22	8,228264E+21	6,148486E+21	6,148430E+21	8,228094E+21	1,181564E+22
1378	1,588754E+22	1,935245E+22	2,134421E+22	2,134426E+22	1,935224E+22	1,588713E+22	1,181542E+22	8,228125E+21	6,148643E+21	6,148818E+21	8,228590E+21	1,181600E+22
1379	1,588752E+22	1,935187E+22	2,134277E+22	2,134257E+22	1,935147E+22	1,588726E+22	1,181591E+22	8,228683E+21	6,149067E+21	6,148988E+21	8,228472E+21	1,181563E+22
1380	1,588705E+22	1,935177E+22	2,134354E+22	2,134354E+22	1,935202E+22	1,588754E+22	1,181602E+22	8,228768E+21	6,149264E+21	6,149251E+21	8,228735E+21	1,181595E+22
1381	1,588749E+22	1,935213E+22	2,134367E+22	2,134339E+22	1,935140E+22	1,588683E+22	1,181572E+22	8,228798E+21	6,149433E+21	6,149502E+21	8,228954E+21	1,181589E+22
1382	1,588696E+22	1,935108E+22	2,134233E+22	2,134267E+22	1,935162E+22	1,588734E+22	1,181616E+22	8,229162E+21	6,149653E+21	6,149509E+21	8,228776E+21	1,181564E+22
1383	1,588683E+22	1,935150E+22	2,134339E+22	2,134361E+22	1,935215E+22	1,588746E+22	1,181588E+22	8,228776E+21	6,149438E+21	6,149577E+21	8,229165E+21	1,181627E+22
1384	1,588736E+22	1,935147E+22	2,134267E+22	2,134249E+22	1,935111E+22	1,588702E+22	1,181595E+22	8,228918E+21	6,149440E+21	6,149436E+21	8,228905E+21	1,181593E+22
1385	1,588700E+22	1,935103E+22	2,134238E+22	2,134272E+22	1,935165E+22	1,588752E+22	1,181628E+22	8,229023E+21	6,149351E+21	6,149178E+21	8,228552E+21	1,181573E+22
1386	1,588737E+22	1,935220E+22	2,134382E+22	2,134370E+22	1,935191E+22	1,588708E+22	1,181558E+22	8,228452E+21	6,149010E+21	6,149110E+21	8,228731E+21	1,181600E+22
1387	1,588748E+22	1,935198E+22	2,134310E+22	2,134266E+22	1,935127E+22	1,588703E+22	1,181572E+22	8,228497E+21	6,148873E+21	6,148791E+21	8,228296E+21	1,181549E+22
1388	1,588693E+22	1,935170E+22	2,134375E+22	2,134399E+22	1,935232E+22	1,588753E+22	1,181578E+22	8,228304E+21	6,148626E+21	6,148563E+21	8,228163E+21	1,181564E+22
1389	1,588750E+22	1,935242E+22	2,134425E+22	2,134430E+22	1,935226E+22	1,588709E+22	1,181532E+22	8,227929E+21	6,148341E+21	6,148460E+21	8,228241E+21	1,181571E+22
1390	1,588731E+22	1,935179E+22	2,134311E+22	2,134329E+22	1,935213E+22	1,588750E+22	1,181574E+22	8,228165E+21	6,148328E+21	6,148191E+21	8,227816E+21	1,181529E+22
1391	1,588708E+22	1,935215E+22	2,134425E+22	2,134438E+22	1,935274E+22	1,588776E+22	1,181565E+22	8,227929E+21	6,148180E+21	6,148224E+21	8,228056E+21	1,181574E+22
1392	1,588761E+22	1,935242E+22	2,134403E+22	2,134366E+22	1,935170E+22	1,588706E+22	1,181552E+22	8,228063E+21	6,148341E+21	6,148353E+21	8,228053E+21	1,181549E+22

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	1,588711E+22	1,935167E+22	2,134322E+22	2,134344E+22	1,935202E+22	1,588747E+22	1,181593E+22	8,228457E+21	6,148648E+21	6,148478E+21	8,227973E+21	1,181529E+22
1394	1,588707E+22	1,935221E+22	2,134422E+22	2,134432E+22	1,935251E+22	1,588731E+22	1,181544E+22	8,228142E+21	6,148693E+21	6,148853E+21	8,228579E+21	1,181594E+22
1395	1,588743E+22	1,935189E+22	2,134308E+22	2,134271E+22	1,935129E+22	1,588700E+22	1,181564E+22	8,228468E+21	6,148984E+21	6,149040E+21	8,228623E+21	1,181579E+22
1396	1,588696E+22	1,935121E+22	2,134285E+22	2,134314E+22	1,935181E+22	1,588745E+22	1,181609E+22	8,228871E+21	6,149312E+21	6,149232E+21	8,228673E+21	1,181588E+22
1397	1,588742E+22	1,935198E+22	2,134343E+22	2,134338E+22	1,935161E+22	1,588692E+22	1,181569E+22	8,228794E+21	6,149505E+21	6,149643E+21	8,229155E+21	1,181616E+22
1398	1,588728E+22	1,935135E+22	2,134225E+22	2,134199E+22	1,935089E+22	1,588697E+22	1,181611E+22	8,229314E+21	6,149915E+21	6,149800E+21	8,229004E+21	1,181571E+22
1399	1,588666E+22	1,935107E+22	2,134288E+22	2,134305E+22	1,935170E+22	1,588740E+22	1,181623E+22	8,229351E+21	6,150057E+21	6,150071E+21	8,229372E+21	1,181614E+22
1400	1,588711E+22	1,935128E+22	2,134265E+22	2,134252E+22	1,935094E+22	1,588676E+22	1,181598E+22	8,229392E+21	6,150243E+21	6,150341E+21	8,229620E+21	1,181619E+22
1401	1,588676E+22	1,935041E+22	2,134141E+22	2,134168E+22	1,935099E+22	1,588728E+22	1,181651E+22	8,229771E+21	6,150415E+21	6,150263E+21	8,229353E+21	1,181591E+22
1402	1,588670E+22	1,935089E+22	2,134250E+22	2,134275E+22	1,935160E+22	1,588730E+22	1,181616E+22	8,229393E+21	6,150207E+21	6,150294E+21	8,229636E+21	1,181647E+22
1403	1,588741E+22	1,935125E+22	2,134201E+22	2,134156E+22	1,935035E+22	1,588667E+22	1,181604E+22	8,229398E+21	6,150136E+21	6,150136E+21	8,229408E+21	1,181613E+22
1404	1,588693E+22	1,935079E+22	2,134201E+22	2,134217E+22	1,935105E+22	1,588712E+22	1,181631E+22	8,229497E+21	6,150043E+21	6,149848E+21	8,229009E+21	1,181583E+22
1405	1,588711E+22	1,935173E+22	2,134332E+22	2,134326E+22	1,935155E+22	1,588684E+22	1,181566E+22	8,228900E+21	6,149672E+21	6,149792E+21	8,229245E+21	1,181616E+22
1406	1,588718E+22	1,935135E+22	2,134257E+22	2,134229E+22	1,935099E+22	1,588689E+22	1,181580E+22	8,228884E+21	6,149468E+21	6,149412E+21	8,228769E+21	1,181567E+22
1407	1,588671E+22	1,935106E+22	2,134301E+22	2,134342E+22	1,935207E+22	1,588757E+22	1,181602E+22	8,228729E+21	6,149183E+21	6,149159E+21	8,228658E+21	1,181586E+22
1408	1,588734E+22	1,935183E+22	2,134332E+22	2,134334E+22	1,935168E+22	1,588701E+22	1,181562E+22	8,228503E+21	6,149044E+21	6,149130E+21	8,228715E+21	1,181589E+22
1409	1,588719E+22	1,935141E+22	2,134246E+22	2,134238E+22	1,935141E+22	1,588732E+22	1,181603E+22	8,228810E+21	6,149127E+21	6,148930E+21	8,228287E+21	1,181538E+22
1410	1,588680E+22	1,935157E+22	2,134356E+22	2,134371E+22	1,935219E+22	1,588751E+22	1,181586E+22	8,228581E+21	6,149055E+21	6,149060E+21	8,228584E+21	1,181584E+22
1411	1,588738E+22	1,935190E+22	2,134327E+22	2,134288E+22	1,935108E+22	1,588672E+22	1,181558E+22	8,228579E+21	6,149162E+21	6,149236E+21	8,228755E+21	1,181579E+22
1412	1,588691E+22	1,935104E+22	2,134246E+22	2,134273E+22	1,935149E+22	1,588717E+22	1,181601E+22	8,228981E+21	6,149445E+21	6,149310E+21	8,228638E+21	1,181560E+22
1413	1,588691E+22	1,935154E+22	2,134327E+22	2,134343E+22	1,935194E+22	1,588716E+22	1,181569E+22	8,228732E+21	6,149481E+21	6,149665E+21	8,229228E+21	1,181627E+22
1414	1,588734E+22	1,935136E+22	2,134239E+22	2,134198E+22	1,935069E+22	1,588677E+22	1,181586E+22	8,229065E+21	6,149771E+21	6,149799E+21	8,229156E+21	1,181599E+22
1415	1,588684E+22	1,935078E+22	2,134221E+22	2,134243E+22	1,935132E+22	1,588733E+22	1,181635E+22	8,229478E+21	6,150108E+21	6,150027E+21	8,229242E+21	1,181602E+22
1416	1,588714E+22	1,935140E+22	2,134266E+22	2,134253E+22	1,935099E+22	1,588674E+22	1,181599E+22	8,229500E+21	6,150420E+21	6,150535E+21	8,229779E+21	1,181632E+22
1417	1,588696E+22	1,935073E+22	2,134155E+22	2,134126E+22	1,935035E+22	1,588682E+22	1,181639E+22	8,230004E+21	6,150833E+21	6,150702E+21	8,229656E+21	1,181591E+22
1418	1,588630E+22	1,935019E+22	2,134186E+22	2,134230E+22	1,935129E+22	1,588732E+22	1,181650E+22	8,230002E+21	6,150943E+21	6,150953E+21	8,230005E+21	1,181641E+22
1419	1,588701E+22	1,935070E+22	2,134164E+22	2,134146E+22	1,935023E+22	1,588654E+22	1,181618E+22	8,229931E+21	6,151005E+21	6,151147E+21	8,230282E+21	1,181656E+22
1420	1,588678E+22	1,935003E+22	2,134069E+22	2,134078E+22	1,935020E+22	1,588687E+22	1,181662E+22	8,230317E+21	6,151147E+21	6,150961E+21	8,229852E+21	1,181611E+22
1421	1,588661E+22	1,935053E+22	2,134185E+22	2,134194E+22	1,935090E+22	1,588699E+22	1,181631E+22	8,229927E+21	6,150931E+21	6,150996E+21	8,230112E+21	1,181658E+22
1422	1,588719E+22	1,935087E+22	2,134170E+22	2,134120E+22	1,934986E+22	1,588634E+22	1,181608E+22	8,229820E+21	6,150781E+21	6,150781E+21	8,229837E+21	1,181618E+22
1423	1,588663E+22	1,935027E+22	2,134153E+22	2,134187E+22	1,935086E+22	1,588701E+22	1,181639E+22	8,229861E+21	6,150619E+21	6,150485E+21	8,229514E+21	1,181596E+22
1424	1,588677E+22	1,935101E+22	2,134247E+22	2,134259E+22	1,935124E+22	1,588688E+22	1,181591E+22	8,229377E+21	6,150313E+21	6,150448E+21	8,229754E+21	1,181637E+22
1425	1,588700E+22	1,935078E+22	2,134179E+22	2,134152E+22	1,935054E+22	1,588692E+22	1,181614E+22	8,229438E+21	6,150134E+21	6,150048E+21	8,229223E+21	1,181584E+22
1426	1,588653E+22	1,935044E+22	2,134212E+22	2,134265E+22	1,935161E+22	1,588751E+22	1,181635E+22	8,229356E+21	6,149939E+21	6,149847E+21	8,229076E+21	1,181596E+22
1427	1,588726E+22	1,935148E+22	2,134259E+22	2,134241E+22	1,935093E+22	1,588672E+22	1,181579E+22	8,229044E+21	6,149800E+21	6,149897E+21	8,229276E+21	1,181608E+22
1428	1,588704E+22	1,935102E+22	2,134192E+22	2,134171E+22	1,935068E+22	1,588687E+22	1,181611E+22	8,229366E+21	6,149919E+21	6,149724E+21	8,228871E+21	1,181556E+22

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°
1429	1,588654E+22	1,935097E+22	2,134281E+22	2,134302E+22	1,935166E+22	1,588723E+22	1,181597E+22	8,229115E+21	6,149855E+21	6,149907E+21	8,229262E+21	1,181613E+22
1430	1,588717E+22	1,935126E+22	2,134257E+22	2,134228E+22	1,935061E+22	1,588649E+22	1,181566E+22	8,229031E+21	6,149883E+21	6,150014E+21	8,229391E+21	1,181612E+22
1431	1,588684E+22	1,935050E+22	2,134165E+22	2,134201E+22	1,935104E+22	1,588708E+22	1,181622E+22	8,229467E+21	6,150130E+21	6,150052E+21	8,229251E+21	1,181590E+22
1432	1,588683E+22	1,935105E+22	2,134239E+22	2,134245E+22	1,935125E+22	1,588702E+22	1,181601E+22	8,229405E+21	6,150317E+21	6,150457E+21	8,229780E+21	1,181647E+22
1433	1,588720E+22	1,935098E+22	2,134177E+22	2,134117E+22	1,935002E+22	1,588661E+22	1,181619E+22	8,229795E+21	6,150688E+21	6,150649E+21	8,229687E+21	1,181604E+22
1434	1,588648E+22	1,935013E+22	2,134149E+22	2,134183E+22	1,935087E+22	1,588718E+22	1,181666E+22	8,230219E+21	6,151078E+21	6,150947E+21	8,229810E+21	1,181608E+22
1435	1,588679E+22	1,935073E+22	2,134179E+22	2,134171E+22	1,935041E+22	1,588651E+22	1,181616E+22	8,230106E+21	6,151318E+21	6,151477E+21	8,230506E+21	1,181659E+22
1436	1,588667E+22	1,934998E+22	2,134063E+22	2,134045E+22	1,934976E+22	1,588657E+22	1,181658E+22	8,230613E+21	6,151671E+21	6,151555E+21	8,230326E+21	1,181622E+22
1437	1,588611E+22	1,934947E+22	2,134080E+22	2,134131E+22	1,935065E+22	1,588714E+22	1,181676E+22	8,230603E+21	6,151732E+21	6,151749E+21	8,230630E+21	1,181672E+22
1438	1,588689E+22	1,935018E+22	2,134090E+22	2,134067E+22	1,934955E+22	1,588622E+22	1,181631E+22	8,230447E+21	6,151717E+21	6,151845E+21	8,230788E+21	1,181677E+22
1439	1,588671E+22	1,934970E+22	2,134014E+22	2,134015E+22	1,934968E+22	1,588665E+22	1,181675E+22	8,230759E+21	6,151790E+21	6,151641E+21	8,230364E+21	1,181624E+22
1440	1,588639E+22	1,935010E+22	2,134128E+22	2,134129E+22	1,935033E+22	1,588676E+22	1,181648E+22	8,230452E+21	6,151648E+21	6,151710E+21	8,230632E+21	1,181673E+22
1441	1,588693E+22	1,935037E+22	2,134115E+22	2,134073E+22	1,934953E+22	1,588624E+22	1,181625E+22	8,230312E+21	6,151475E+21	6,151477E+21	8,230337E+21	1,181633E+22
1442	1,588633E+22	1,934957E+22	2,134071E+22	2,134132E+22	1,935065E+22	1,588706E+22	1,181665E+22	8,230360E+21	6,151293E+21	6,151152E+21	8,229971E+21	1,181613E+22
1443	1,588668E+22	1,935052E+22	2,134157E+22	2,134167E+22	1,935065E+22	1,588676E+22	1,181614E+22	8,229851E+21	6,150949E+21	6,151100E+21	8,230263E+21	1,181662E+22
1444	1,588695E+22	1,935042E+22	2,134112E+22	2,134074E+22	1,934983E+22	1,588658E+22	1,181632E+22	8,229995E+21	6,150825E+21	6,150688E+21	8,229661E+21	1,181598E+22
1445	1,588638E+22	1,935003E+22	2,134142E+22	2,134185E+22	1,935093E+22	1,588722E+22	1,181653E+22	8,229919E+21	6,150690E+21	6,150583E+21	8,229591E+21	1,181608E+22
1446	1,588695E+22	1,935098E+22	2,134213E+22	2,134194E+22	1,935036E+22	1,588635E+22	1,181584E+22	8,229511E+21	6,150511E+21	6,150636E+21	8,229828E+21	1,181624E+22
1447	1,588678E+22	1,935047E+22	2,134130E+22	2,134124E+22	1,935035E+22	1,588670E+22	1,181618E+22	8,229756E+21	6,150578E+21	6,150480E+21	8,229508E+21	1,181580E+22
1448	1,588628E+22	1,935031E+22	2,134190E+22	2,134218E+22	1,935113E+22	1,588714E+22	1,181623E+22	8,229664E+21	6,150603E+21	6,150682E+21	8,229883E+21	1,181645E+22
1449	1,588708E+22	1,935076E+22	2,134176E+22	2,134147E+22	1,935009E+22	1,588643E+22	1,181598E+22	8,229658E+21	6,150674E+21	6,150773E+21	8,229928E+21	1,181633E+22
1450	1,588670E+22	1,934997E+22	2,134081E+22	2,134122E+22	1,935055E+22	1,588700E+22	1,181657E+22	8,230178E+21	6,151014E+21	6,150859E+21	8,229741E+21	1,181601E+22
1451	1,588669E+22	1,935063E+22	2,134164E+22	2,134155E+22	1,935052E+22	1,588677E+22	1,181628E+22	8,230080E+21	6,151225E+21	6,151357E+21	8,230415E+21	1,181664E+22
1452	1,588693E+22	1,935045E+22	2,134116E+22	2,134055E+22	1,934935E+22	1,588620E+22	1,181637E+22	8,230491E+21	6,151622E+21	6,151570E+21	8,230352E+21	1,181621E+22
1453	1,588608E+22	1,934931E+22	2,134049E+22	2,134102E+22	1,935034E+22	1,588698E+22	1,181687E+22	8,230864E+21	6,152000E+21	6,151909E+21	8,230571E+21	1,181637E+22
1454	1,588643E+22	1,934991E+22	2,134087E+22	2,134093E+22	1,934986E+22	1,588632E+22	1,181633E+22	8,230632E+21	6,152101E+21	6,152319E+21	8,231195E+21	1,181695E+22
1455	1,588658E+22	1,934939E+22	2,133969E+22	2,133955E+22	1,934916E+22	1,588639E+22	1,181678E+22	8,231102E+21	6,152373E+21	6,152316E+21	8,230952E+21	1,181651E+22
1456	1,588605E+22	1,934903E+22	2,133992E+22	2,134026E+22	1,934984E+22	1,588687E+22	1,181702E+22	8,231231E+21	6,152523E+21	6,152498E+21	8,231161E+21	1,181693E+22
1457	1,588681E+22	1,934989E+22	2,134035E+22	2,133996E+22	1,934894E+22	1,588598E+22	1,181650E+22	8,231032E+21	6,152496E+21	6,152577E+21	8,231253E+21	1,181684E+22
1458	1,588642E+22	1,934920E+22	2,133957E+22	2,133972E+22	1,934935E+22	1,588650E+22	1,181694E+22	8,231312E+21	6,152548E+21	6,152367E+21	8,230822E+21	1,181633E+22
1459	1,588614E+22	1,934957E+22	2,134057E+22	2,134066E+22	1,934990E+22	1,588661E+22	1,181663E+22	8,230904E+21	6,152323E+21	6,152431E+21	8,231202E+21	1,181696E+22
1460	1,588671E+22	1,934979E+22	2,134045E+22	2,134013E+22	1,934909E+22	1,588607E+22	1,181646E+22	8,230809E+21	6,152112E+21	6,152113E+21	8,230824E+21	1,181652E+22
1461	1,588615E+22	1,934900E+22	2,133980E+22	2,134050E+22	1,935015E+22	1,588697E+22	1,181693E+22	8,230901E+21	6,151960E+21	6,151805E+21	8,230452E+21	1,181630E+22
1462	1,588647E+22	1,935007E+22	2,134097E+22	2,134098E+22	1,935008E+22	1,588651E+22	1,181630E+22	8,230328E+21	6,151588E+21	6,151722E+21	8,230693E+21	1,181674E+22
1463	1,588681E+22	1,935008E+22	2,134058E+22	2,134014E+22	1,934932E+22	1,588634E+22	1,181645E+22	8,230429E+21	6,151467E+21	6,151374E+21	8,230181E+21	1,181611E+22
1464	1,588612E+22	1,934954E+22	2,134078E+22	2,134116E+22	1,935031E+22	1,588692E+22	1,181670E+22	8,230472E+21	6,151445E+21	6,151346E+21	8,230182E+21	1,181631E+22

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	1,588672E+22	1,935043E+22	2,134142E+22	2,134134E+22	1,934999E+22	1,588621E+22	1,181599E+22	8,230027E+21	6,151261E+21	6,151409E+21	8,230429E+21	1,181651E+22
1466	1,588657E+22	1,934983E+22	2,134044E+22	2,134057E+22	1,935003E+22	1,588668E+22	1,181644E+22	8,230296E+21	6,151318E+21	6,151226E+21	8,230060E+21	1,181609E+22
1467	1,588628E+22	1,934989E+22	2,134104E+22	2,134120E+22	1,935042E+22	1,588691E+22	1,181646E+22	8,230225E+21	6,151358E+21	6,151447E+21	8,230466E+21	1,181672E+22
1468	1,588702E+22	1,935041E+22	2,134111E+22	2,134070E+22	1,934937E+22	1,588606E+22	1,181621E+22	8,230323E+21	6,151510E+21	6,151554E+21	8,230441E+21	1,181645E+22
1469	1,588645E+22	1,934948E+22	2,134008E+22	2,134046E+22	1,934993E+22	1,588675E+22	1,181682E+22	8,230858E+21	6,151926E+21	6,151753E+21	8,230348E+21	1,181610E+22
1470	1,588621E+22	1,934993E+22	2,134100E+22	2,134098E+22	1,934999E+22	1,588647E+22	1,181642E+22	8,230671E+21	6,152087E+21	6,152240E+21	8,231063E+21	1,181681E+22
1471	1,588655E+22	1,934968E+22	2,134026E+22	2,133987E+22	1,934898E+22	1,588609E+22	1,181656E+22	8,231017E+21	6,152422E+21	6,152458E+21	8,231082E+21	1,181650E+22
1472	1,588579E+22	1,934852E+22	2,133937E+22	2,133995E+22	1,934968E+22	1,588685E+22	1,181720E+22	8,231522E+21	6,152843E+21	6,152765E+21	8,231265E+21	1,181674E+22
1473	1,588633E+22	1,934932E+22	2,133988E+22	2,133994E+22	1,934923E+22	1,588616E+22	1,181663E+22	8,231293E+21	6,152933E+21	6,153112E+21	8,231769E+21	1,181720E+22
1474	1,588648E+22	1,934894E+22	2,133888E+22	2,133870E+22	1,934859E+22	1,588622E+22	1,181705E+22	8,231740E+21	6,153196E+21	6,153080E+21	8,231439E+21	1,181669E+22
1475	1,588599E+22	1,934872E+22	2,133930E+22	2,133941E+22	1,934906E+22	1,588650E+22	1,181717E+22	8,231795E+21	6,153316E+21	6,153297E+21	8,231738E+21	1,181712E+22
1476	1,588661E+22	1,934948E+22	2,133990E+22	2,133951E+22	1,934841E+22	1,588559E+22	1,181661E+22	8,231591E+21	6,153258E+21	6,153331E+21	8,231798E+21	1,181700E+22
1477	1,588611E+22	1,934857E+22	2,133882E+22	2,133914E+22	1,934903E+22	1,588638E+22	1,181710E+22	8,231806E+21	6,153270E+21	6,153123E+21	8,231412E+21	1,181654E+22
1478	1,588581E+22	1,934891E+22	2,133988E+22	2,134005E+22	1,934951E+22	1,588649E+22	1,181681E+22	8,231330E+21	6,152920E+21	6,153057E+21	8,231697E+21	1,181719E+22
1479	1,588661E+22	1,934933E+22	2,133971E+22	2,133943E+22	1,934865E+22	1,588596E+22	1,181667E+22	8,231233E+21	6,152685E+21	6,152715E+21	8,231283E+21	1,181668E+22
1480	1,588600E+22	1,934858E+22	2,133906E+22	2,133957E+22	1,934945E+22	1,588674E+22	1,181719E+22	8,231482E+21	6,152668E+21	6,152464E+21	8,230904E+21	1,181644E+22
1481	1,588627E+22	1,934966E+22	2,134039E+22	2,134036E+22	1,934959E+22	1,588629E+22	1,181647E+22	8,230877E+21	6,152325E+21	6,152425E+21	8,231153E+21	1,181682E+22
1482	1,588648E+22	1,934952E+22	2,133996E+22	2,133965E+22	1,934900E+22	1,588617E+22	1,181660E+22	8,230945E+21	6,152204E+21	6,152104E+21	8,230694E+21	1,181629E+22
1483	1,588592E+22	1,934897E+22	2,133999E+22	2,134039E+22	1,934979E+22	1,588669E+22	1,181682E+22	8,230940E+21	6,152156E+21	6,152114E+21	8,230823E+21	1,181665E+22
1484	1,588661E+22	1,934990E+22	2,134070E+22	2,134065E+22	1,934943E+22	1,588596E+22	1,181620E+22	8,230564E+21	6,151958E+21	6,152112E+21	8,230978E+21	1,181678E+22
1485	1,588647E+22	1,934930E+22	2,133957E+22	2,133969E+22	1,934946E+22	1,588651E+22	1,181670E+22	8,230891E+21	6,152085E+21	6,151982E+21	8,230612E+21	1,181628E+22
1486	1,588606E+22	1,934944E+22	2,134045E+22	2,134047E+22	1,934981E+22	1,588666E+22	1,181666E+22	8,230789E+21	6,152117E+21	6,152190E+21	8,230976E+21	1,181685E+22
1487	1,588680E+22	1,934998E+22	2,134053E+22	2,134007E+22	1,934887E+22	1,588584E+22	1,181640E+22	8,230875E+21	6,152308E+21	6,152393E+21	8,231045E+21	1,181656E+22
1488	1,588606E+22	1,934881E+22	2,133927E+22	2,133964E+22	1,934934E+22	1,588652E+22	1,181708E+22	8,231556E+21	6,152848E+21	6,152674E+21	8,231049E+21	1,181636E+22
1489	1,588588E+22	1,934913E+22	2,134002E+22	2,134020E+22	1,934961E+22	1,588638E+22	1,181666E+22	8,231314E+21	6,152981E+21	6,153143E+21	8,231751E+21	1,181711E+22
1490	1,588632E+22	1,934891E+22	2,133919E+22	2,133894E+22	1,934850E+22	1,588602E+22	1,181689E+22	8,231674E+21	6,153277E+21	6,153297E+21	8,231714E+21	1,181686E+22
1491	1,588581E+22	1,934803E+22	2,133839E+22	2,133877E+22	1,934877E+22	1,588650E+22	1,181743E+22	8,232166E+21	6,153686E+21	6,153601E+21	8,231907E+21	1,181707E+22
1492	1,588632E+22	1,934899E+22	2,133926E+22	2,133908E+22	1,934838E+22	1,588571E+22	1,181682E+22	8,231953E+21	6,153774E+21	6,153907E+21	8,232304E+21	1,181735E+22
1493	1,588628E+22	1,934851E+22	2,133830E+22	2,133803E+22	1,934800E+22	1,588592E+22	1,181721E+22	8,232333E+21	6,154033E+21	6,153917E+21	8,232018E+21	1,181678E+22
1494	1,588558E+22	1,934817E+22	2,133886E+22	2,133898E+22	1,934866E+22	1,588623E+22	1,181724E+22	8,232256E+21	6,154029E+21	6,154042E+21	8,232290E+21	1,181728E+22
1495	1,588632E+22	1,934886E+22	2,133920E+22	2,133902E+22	1,934823E+22	1,588556E+22	1,181677E+22	8,231993E+21	6,153892E+21	6,154036E+21	8,232350E+21	1,181719E+22
1496	1,588584E+22	1,934790E+22	2,133793E+22	2,133830E+22	1,934857E+22	1,588635E+22	1,181743E+22	8,232377E+21	6,153955E+21	6,153788E+21	8,231926E+21	1,181679E+22
1497	1,588567E+22	1,934832E+22	2,133900E+22	2,133925E+22	1,934909E+22	1,588643E+22	1,181710E+22	8,231913E+21	6,153617E+21	6,153687E+21	8,232107E+21	1,181731E+22
1498	1,588642E+22	1,934886E+22	2,133901E+22	2,133870E+22	1,934821E+22	1,588587E+22	1,181695E+22	8,231814E+21	6,153399E+21	6,153364E+21	8,231701E+21	1,181683E+22
1499	1,588589E+22	1,934822E+22	2,133847E+22	2,133873E+22	1,934868E+22	1,588634E+22	1,181730E+22	8,231995E+21	6,153391E+21	6,153204E+21	8,231469E+21	1,181666E+22
1500	1,588608E+22	1,934919E+22	2,133985E+22	2,133979E+22	1,934901E+22	1,588589E+22	1,181654E+22	8,231381E+21	6,153037E+21	6,153158E+21	8,231721E+21	1,181705E+22

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												
1501	1,588627E+22	1,934891E+22	2,133919E+22	2,133897E+22	1,934862E+22	1,588602E+22	1,181671E+22	8,231378E+21	6,152888E+21	6,152853E+21	8,231308E+21	1,181658E+22
1502	1,588574E+22	1,934845E+22	2,133934E+22	2,133968E+22	1,934927E+22	1,588647E+22	1,181693E+22	8,231345E+21	6,152757E+21	6,152753E+21	8,231334E+21	1,181693E+22
1503	1,588661E+22	1,934955E+22	2,134004E+22	2,133992E+22	1,934896E+22	1,588579E+22	1,181638E+22	8,231028E+21	6,152605E+21	6,152770E+21	8,231438E+21	1,181691E+22
1504	1,588630E+22	1,934891E+22	2,133893E+22	2,133884E+22	1,934879E+22	1,588628E+22	1,181699E+22	8,231554E+21	6,152902E+21	6,152741E+21	8,231112E+21	1,181639E+22
1505	1,588576E+22	1,934886E+22	2,133978E+22	2,133986E+22	1,934939E+22	1,588649E+22	1,181691E+22	8,231463E+21	6,152997E+21	6,153021E+21	8,231504E+21	1,181689E+22
1506	1,588634E+22	1,934922E+22	2,133974E+22	2,133946E+22	1,934856E+22	1,588578E+22	1,181668E+22	8,231544E+21	6,153203E+21	6,153265E+21	8,231674E+21	1,181679E+22
1507	1,588577E+22	1,934803E+22	2,133826E+22	2,133861E+22	1,934866E+22	1,588631E+22	1,181733E+22	8,232192E+21	6,153734E+21	6,153602E+21	8,231802E+21	1,181675E+22
1508	1,588574E+22	1,934845E+22	2,133905E+22	2,133922E+22	1,934887E+22	1,588609E+22	1,181695E+22	8,232005E+21	6,153849E+21	6,154001E+21	8,232407E+21	1,181744E+22
1509	1,588623E+22	1,934834E+22	2,133822E+22	2,133792E+22	1,934779E+22	1,588577E+22	1,181713E+22	8,232340E+21	6,154167E+21	6,154175E+21	8,232358E+21	1,181711E+22
1510	1,588563E+22	1,934763E+22	2,133783E+22	2,133797E+22	1,934804E+22	1,588611E+22	1,181754E+22	8,232726E+21	6,154490E+21	6,154406E+21	8,232483E+21	1,181728E+22
1511	1,588617E+22	1,934862E+22	2,133878E+22	2,133853E+22	1,934789E+22	1,588542E+22	1,181693E+22	8,232457E+21	6,154547E+21	6,154725E+21	8,232893E+21	1,181749E+22
1512	1,588594E+22	1,934790E+22	2,133765E+22	2,133740E+22	1,934755E+22	1,588574E+22	1,181742E+22	8,232928E+21	6,154844E+21	6,154738E+21	8,232650E+21	1,181703E+22
1513	1,588530E+22	1,934743E+22	2,133799E+22	2,133840E+22	1,934848E+22	1,588625E+22	1,181748E+22	8,232795E+21	6,154766E+21	6,154779E+21	8,232827E+21	1,181748E+22
1514	1,588610E+22	1,934820E+22	2,133830E+22	2,133823E+22	1,934790E+22	1,588562E+22	1,181711E+22	8,232561E+21	6,154581E+21	6,154682E+21	8,232816E+21	1,181743E+22
1515	1,588579E+22	1,934742E+22	2,133708E+22	2,133723E+22	1,934778E+22	1,588609E+22	1,181767E+22	8,232953E+21	6,154675E+21	6,154476E+21	8,232425E+21	1,181701E+22
1516	1,588560E+22	1,934795E+22	2,133841E+22	2,133848E+22	1,934834E+22	1,588605E+22	1,181727E+22	8,232481E+21	6,154338E+21	6,154364E+21	8,232546E+21	1,181740E+22
1517	1,588617E+22	1,934835E+22	2,133839E+22	2,133804E+22	1,934764E+22	1,588555E+22	1,181704E+22	8,232312E+21	6,154131E+21	6,154113E+21	8,232244E+21	1,181694E+22
1518	1,588554E+22	1,934769E+22	2,133799E+22	2,133823E+22	1,934822E+22	1,588602E+22	1,181729E+22	8,232358E+21	6,154002E+21	6,153875E+21	8,232015E+21	1,181691E+22
1519	1,588594E+22	1,934869E+22	2,133922E+22	2,133922E+22	1,934869E+22	1,588577E+22	1,181663E+22	8,231717E+21	6,153607E+21	6,153805E+21	8,232237E+21	1,181728E+22
1520	1,588613E+22	1,934839E+22	2,133845E+22	2,133818E+22	1,934810E+22	1,588592E+22	1,181698E+22	8,231910E+21	6,153546E+21	6,153496E+21	8,231792E+21	1,181682E+22
1521	1,588566E+22	1,934799E+22	2,133859E+22	2,133900E+22	1,934892E+22	1,588640E+22	1,181718E+22	8,231918E+21	6,153474E+21	6,153401E+21	8,231720E+21	1,181698E+22
1522	1,588638E+22	1,934910E+22	2,133941E+22	2,133925E+22	1,934856E+22	1,588575E+22	1,181669E+22	8,231670E+21	6,153398E+21	6,153486E+21	8,231889E+21	1,181701E+22
1523	1,588605E+22	1,934837E+22	2,133827E+22	2,133804E+22	1,934808E+22	1,588596E+22	1,181721E+22	8,232222E+21	6,153796E+21	6,153630E+21	8,231770E+21	1,181661E+22
1524	1,588545E+22	1,934813E+22	2,133899E+22	2,133917E+22	1,934881E+22	1,588620E+22	1,181712E+22	8,232134E+21	6,153904E+21	6,153940E+21	8,232201E+21	1,181715E+22
1525	1,588603E+22	1,934838E+22	2,133869E+22	2,133854E+22	1,934804E+22	1,588566E+22	1,181692E+22	8,232171E+21	6,154102E+21	6,154219E+21	8,232446E+21	1,181714E+22
1526	1,588558E+22	1,934743E+22	2,133740E+22	2,133761E+22	1,934789E+22	1,588599E+22	1,181749E+22	8,232744E+21	6,154522E+21	6,154427E+21	8,232469E+21	1,181713E+22
1527	1,588578E+22	1,934806E+22	2,133827E+22	2,133828E+22	1,934816E+22	1,588579E+22	1,181710E+22	8,232557E+21	6,154651E+21	6,154818E+21	8,232980E+21	1,181764E+22
1528	1,588610E+22	1,934794E+22	2,133759E+22	2,133707E+22	1,934706E+22	1,588545E+22	1,181734E+22	8,232998E+21	6,155040E+21	6,155018E+21	8,232939E+21	1,181728E+22
1529	1,588540E+22	1,934709E+22	2,133718E+22	2,133746E+22	1,934768E+22	1,588590E+22	1,181770E+22	8,233329E+21	6,155337E+21	6,155226E+21	8,233022E+21	1,181735E+22
1530	1,588579E+22	1,934793E+22	2,133805E+22	2,133801E+22	1,934771E+22	1,588547E+22	1,181721E+22	8,233055E+21	6,155343E+21	6,155497E+21	8,233464E+21	1,181772E+22
1531	1,588569E+22	1,934718E+22	2,133676E+22	2,133654E+22	1,934699E+22	1,588562E+22	1,181769E+22	8,233506E+21	6,155611E+21	6,155523E+21	8,233273E+21	1,181734E+22
1532	1,588515E+22	1,934677E+22	2,133708E+22	2,133752E+22	1,934783E+22	1,588608E+22	1,181781E+22	8,233422E+21	6,155508E+21	6,155484E+21	8,233323E+21	1,181765E+22
1533	1,588593E+22	1,934765E+22	2,133741E+22	2,133732E+22	1,934729E+22	1,588547E+22	1,181736E+22	8,233146E+21	6,155338E+21	6,155415E+21	8,233320E+21	1,181755E+22
1534	1,588557E+22	1,934707E+22	2,133658E+22	2,133646E+22	1,934701E+22	1,588569E+22	1,181773E+22	8,233401E+21	6,155334E+21	6,155147E+21	8,232909E+21	1,181718E+22
1535	1,588546E+22	1,934759E+22	2,133793E+22	2,133793E+22	1,934781E+22	1,588572E+22	1,181728E+22	8,232875E+21	6,154986E+21	6,155057E+21	8,233050E+21	1,181754E+22
1536	1,588592E+22	1,934782E+22	2,133778E+22	2,133748E+22	1,934721E+22	1,588533E+22	1,181713E+22	8,232759E+21	6,154798E+21	6,154815E+21	8,232811E+21	1,181723E+22

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	1,588540E+22	1,934709E+22	2,133721E+22	2,133771E+22	1,934801E+22	1,588597E+22	1,181742E+22	8,232769E+21	6,154611E+21	6,154500E+21	8,232482E+21	1,181711E+22
1538	1,588583E+22	1,934822E+22	2,133850E+22	2,133855E+22	1,934835E+22	1,588581E+22	1,181694E+22	8,232237E+21	6,154229E+21	6,154376E+21	8,232651E+21	1,181749E+22
1539	1,588608E+22	1,934802E+22	2,133778E+22	2,133730E+22	1,934736E+22	1,588567E+22	1,181721E+22	8,232498E+21	6,154289E+21	6,154198E+21	8,232269E+21	1,181696E+22
1540	1,588550E+22	1,934757E+22	2,133803E+22	2,133832E+22	1,934825E+22	1,588613E+22	1,181744E+22	8,232567E+21	6,154298E+21	6,154178E+21	8,232199E+21	1,181699E+22
1541	1,588598E+22	1,934844E+22	2,133869E+22	2,133861E+22	1,934810E+22	1,588558E+22	1,181690E+22	8,232300E+21	6,154290E+21	6,154392E+21	8,232533E+21	1,181712E+22
1542	1,588561E+22	1,934765E+22	2,133753E+22	2,133734E+22	1,934754E+22	1,588570E+22	1,181731E+22	8,232748E+21	6,154605E+21	6,154500E+21	8,232478E+21	1,181695E+22
1543	1,588528E+22	1,934744E+22	2,133803E+22	2,133832E+22	1,934829E+22	1,588605E+22	1,181730E+22	8,232656E+21	6,154694E+21	6,154793E+21	8,232877E+21	1,181748E+22
1544	1,588590E+22	1,934773E+22	2,133768E+22	2,133750E+22	1,934731E+22	1,588545E+22	1,181722E+22	8,232840E+21	6,154955E+21	6,155068E+21	8,233110E+21	1,181750E+22
1545	1,588556E+22	1,934692E+22	2,133653E+22	2,133679E+22	1,934735E+22	1,588578E+22	1,181770E+22	8,233374E+21	6,155368E+21	6,155233E+21	8,233012E+21	1,181729E+22
1546	1,588564E+22	1,934768E+22	2,133766E+22	2,133755E+22	1,934760E+22	1,588563E+22	1,181738E+22	8,233213E+21	6,155499E+21	6,155617E+21	8,233536E+21	1,181782E+22
1547	1,588587E+22	1,934742E+22	2,133695E+22	2,133634E+22	1,934636E+22	1,588511E+22	1,181753E+22	8,233646E+21	6,155938E+21	6,155921E+21	8,233608E+21	1,181752E+22
1548	1,588514E+22	1,934642E+22	2,133643E+22	2,133684E+22	1,934722E+22	1,588573E+22	1,181793E+22	8,233940E+21	6,156184E+21	6,156083E+21	8,233644E+21	1,181755E+22
1549	1,588548E+22	1,934714E+22	2,133705E+22	2,133716E+22	1,934728E+22	1,588546E+22	1,181750E+22	8,233648E+21	6,156152E+21	6,156329E+21	8,234093E+21	1,181794E+22
1550	1,588547E+22	1,934663E+22	2,133595E+22	2,133563E+22	1,934627E+22	1,588538E+22	1,181789E+22	8,234032E+21	6,156306E+21	6,156219E+21	8,233807E+21	1,181760E+22
1551	1,588513E+22	1,934639E+22	2,133635E+22	2,133668E+22	1,934715E+22	1,588579E+22	1,181794E+22	8,233921E+21	6,156210E+21	6,156172E+21	8,233769E+21	1,181773E+22
1552	1,588570E+22	1,934720E+22	2,133681E+22	2,133658E+22	1,934661E+22	1,588515E+22	1,181752E+22	8,233696E+21	6,156078E+21	6,156138E+21	8,233827E+21	1,181768E+22
1553	1,588532E+22	1,934654E+22	2,133598E+22	2,133606E+22	1,934671E+22	1,588545E+22	1,181778E+22	8,233837E+21	6,156004E+21	6,155824E+21	8,233380E+21	1,181727E+22
1554	1,588517E+22	1,934705E+22	2,133729E+22	2,133745E+22	1,934759E+22	1,588572E+22	1,181747E+22	8,233314E+21	6,155601E+21	6,155677E+21	8,233551E+21	1,181779E+22
1555	1,588577E+22	1,934726E+22	2,133702E+22	2,133674E+22	1,934668E+22	1,588519E+22	1,181734E+22	8,233234E+21	6,155439E+21	6,155473E+21	8,233344E+21	1,181752E+22
1556	1,588538E+22	1,934664E+22	2,133649E+22	2,133700E+22	1,934746E+22	1,588583E+22	1,181770E+22	8,233313E+21	6,155278E+21	6,155130E+21	8,232906E+21	1,181723E+22
1557	1,588567E+22	1,934776E+22	2,133777E+22	2,133780E+22	1,934785E+22	1,588573E+22	1,181721E+22	8,232823E+21	6,154984E+21	6,155102E+21	8,233124E+21	1,181753E+22
1558	1,588581E+22	1,934766E+22	2,133732E+22	2,133665E+22	1,934668E+22	1,588534E+22	1,181735E+22	8,233014E+21	6,155022E+21	6,154944E+21	8,232817E+21	1,181713E+22
1559	1,588528E+22	1,934706E+22	2,133738E+22	2,133773E+22	1,934775E+22	1,588586E+22	1,181754E+22	8,233083E+21	6,155091E+21	6,155012E+21	8,232810E+21	1,181715E+22
1560	1,588562E+22	1,934770E+22	2,133782E+22	2,133787E+22	1,934762E+22	1,588542E+22	1,181711E+22	8,232879E+21	6,155121E+21	6,155272E+21	8,233253E+21	1,181749E+22
1561	1,588546E+22	1,934692E+22	2,133650E+22	2,133656E+22	1,934710E+22	1,588557E+22	1,181751E+22	8,233291E+21	6,155380E+21	6,155300E+21	8,233098E+21	1,181726E+22
1562	1,588523E+22	1,934696E+22	2,133712E+22	2,133736E+22	1,934766E+22	1,588595E+22	1,181763E+22	8,233299E+21	6,155481E+21	6,155535E+21	8,233446E+21	1,181779E+22
1563	1,588589E+22	1,934735E+22	2,133693E+22	2,133651E+22	1,934642E+22	1,588505E+22	1,181741E+22	8,233501E+21	6,155835E+21	6,155915E+21	8,233707E+21	1,181772E+22
1564	1,588543E+22	1,934651E+22	2,133593E+22	2,133606E+22	1,934660E+22	1,588543E+22	1,181791E+22	8,234032E+21	6,156265E+21	6,156106E+21	8,233579E+21	1,181736E+22
1565	1,588524E+22	1,934701E+22	2,133693E+22	2,133694E+22	1,934716E+22	1,588549E+22	1,181761E+22	8,233861E+21	6,156415E+21	6,156548E+21	8,234194E+21	1,181792E+22
1566	1,588544E+22	1,934675E+22	2,133622E+22	2,133568E+22	1,934586E+22	1,588492E+22	1,181769E+22	8,234177E+21	6,156730E+21	6,156761E+21	8,234272E+21	1,181780E+22
1567	1,588494E+22	1,934576E+22	2,133549E+22	2,133604E+22	1,934674E+22	1,588564E+22	1,181816E+22	8,234492E+21	6,156954E+21	6,156869E+21	8,234215E+21	1,181774E+22
1568	1,588524E+22	1,934649E+22	2,133610E+22	2,133624E+22	1,934666E+22	1,588531E+22	1,181782E+22	8,234292E+21	6,156946E+21	6,157089E+21	8,234649E+21	1,181817E+22
1569	1,588534E+22	1,934607E+22	2,133510E+22	2,133490E+22	1,934577E+22	1,588516E+22	1,181808E+22	8,234592E+21	6,157050E+21	6,156924E+21	8,234270E+21	1,181771E+22
1570	1,588493E+22	1,934599E+22	2,133575E+22	2,133600E+22	1,934660E+22	1,588561E+22	1,181818E+22	8,234479E+21	6,156919E+21	6,156851E+21	8,234281E+21	1,181793E+22
1571	1,588547E+22	1,934668E+22	2,133618E+22	2,133592E+22	1,934598E+22	1,588479E+22	1,181762E+22	8,234206E+21	6,156818E+21	6,156907E+21	8,234446E+21	1,181796E+22
1572	1,588516E+22	1,934600E+22	2,133530E+22	2,133548E+22	1,934628E+22	1,588529E+22	1,181792E+22	8,234273E+21	6,156669E+21	6,156534E+21	8,233936E+21	1,181751E+22

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°
1573	1,588501E+22	1,934649E+22	2,133647E+22	2,133671E+22	1,934719E+22	1,588570E+22	1,181771E+22	8,233783E+21	6,156251E+21	6,156359E+21	8,234074E+21	1,181799E+22
1574	1,588568E+22	1,934694E+22	2,133641E+22	2,133600E+22	1,934605E+22	1,588494E+22	1,181748E+22	8,233672E+21	6,156032E+21	6,156064E+21	8,233785E+21	1,181773E+22
1575	1,588537E+22	1,934641E+22	2,133595E+22	2,133635E+22	1,934690E+22	1,588558E+22	1,181783E+22	8,233795E+21	6,155955E+21	6,155777E+21	8,233296E+21	1,181724E+22
1576	1,588534E+22	1,934727E+22	2,133719E+22	2,133718E+22	1,934730E+22	1,588550E+22	1,181743E+22	8,233404E+21	6,155752E+21	6,155852E+21	8,233642E+21	1,181763E+22
1577	1,588545E+22	1,934697E+22	2,133658E+22	2,133624E+22	1,934643E+22	1,588518E+22	1,181750E+22	8,233537E+21	6,155775E+21	6,155711E+21	8,233376E+21	1,181728E+22
1578	1,588496E+22	1,934640E+22	2,133652E+22	2,133702E+22	1,934738E+22	1,588585E+22	1,181782E+22	8,233641E+21	6,155825E+21	6,155760E+21	8,233441E+21	1,181749E+22
1579	1,588543E+22	1,934700E+22	2,133680E+22	2,133686E+22	1,934687E+22	1,588519E+22	1,181738E+22	8,233502E+21	6,155937E+21	6,156100E+21	8,233923E+21	1,181786E+22
1580	1,588544E+22	1,934644E+22	2,133562E+22	2,133562E+22	1,934637E+22	1,588533E+22	1,181778E+22	8,233920E+21	6,156209E+21	6,156107E+21	8,233660E+21	1,181745E+22
1581	1,588509E+22	1,934652E+22	2,133635E+22	2,133645E+22	1,934696E+22	1,588571E+22	1,181788E+22	8,233963E+21	6,156379E+21	6,156413E+21	8,234035E+21	1,181789E+22
1582	1,588563E+22	1,934699E+22	2,133641E+22	2,133582E+22	1,934568E+22	1,588464E+22	1,181753E+22	8,234084E+21	6,156680E+21	6,156776E+21	8,234344E+21	1,181793E+22
1583	1,588520E+22	1,934600E+22	2,133529E+22	2,133552E+22	1,934615E+22	1,588516E+22	1,181801E+22	8,234601E+21	6,157131E+21	6,156997E+21	8,234222E+21	1,181752E+22
1584	1,588483E+22	1,934620E+22	2,133602E+22	2,133622E+22	1,934674E+22	1,588542E+22	1,181790E+22	8,234485E+21	6,157274E+21	6,157438E+21	8,234897E+21	1,181824E+22
1585	1,588522E+22	1,934595E+22	2,133518E+22	2,133494E+22	1,934550E+22	1,588487E+22	1,181798E+22	8,234764E+21	6,157502E+21	6,157534E+21	8,234847E+21	1,181804E+22
1586	1,588482E+22	1,934525E+22	2,133457E+22	2,133507E+22	1,934615E+22	1,588556E+22	1,181853E+22	8,235138E+21	6,157710E+21	6,157574E+21	8,234748E+21	1,181798E+22
1587	1,588507E+22	1,934600E+22	2,133530E+22	2,133527E+22	1,934582E+22	1,588494E+22	1,181803E+22	8,234932E+21	6,157778E+21	6,157884E+21	8,235209E+21	1,181837E+22
1588	1,588517E+22	1,934563E+22	2,133449E+22	2,133420E+22	1,934511E+22	1,588484E+22	1,181823E+22	8,235140E+21	6,157831E+21	6,157702E+21	8,234806E+21	1,181782E+22
1589	1,588461E+22	1,934540E+22	2,133506E+22	2,133540E+22	1,934617E+22	1,588542E+22	1,181833E+22	8,234990E+21	6,157670E+21	6,157636E+21	8,234871E+21	1,181810E+22
1590	1,588521E+22	1,934620E+22	2,133555E+22	2,133530E+22	1,934550E+22	1,588457E+22	1,181770E+22	8,234584E+21	6,157413E+21	6,157563E+21	8,235009E+21	1,181829E+22
1591	1,588514E+22	1,934560E+22	2,133461E+22	2,133482E+22	1,934585E+22	1,588515E+22	1,181806E+22	8,234689E+21	6,157258E+21	6,157129E+21	8,234370E+21	1,181768E+22
1592	1,588488E+22	1,934607E+22	2,133579E+22	2,133600E+22	1,934670E+22	1,588558E+22	1,181798E+22	8,234310E+21	6,156896E+21	6,156969E+21	8,234498E+21	1,181814E+22
1593	1,588554E+22	1,934652E+22	2,133582E+22	2,133549E+22	1,934568E+22	1,588477E+22	1,181767E+22	8,234162E+21	6,156679E+21	6,156672E+21	8,234152E+21	1,181774E+22
1594	1,588510E+22	1,934602E+22	2,133541E+22	2,133576E+22	1,934646E+22	1,588545E+22	1,181810E+22	8,234361E+21	6,156651E+21	6,156447E+21	8,233798E+21	1,181738E+22
1595	1,588497E+22	1,934659E+22	2,133644E+22	2,133653E+22	1,934677E+22	1,588521E+22	1,181758E+22	8,233975E+21	6,156554E+21	6,156669E+21	8,234284E+21	1,181791E+22
1596	1,588522E+22	1,934628E+22	2,133567E+22	2,133544E+22	1,934593E+22	1,588503E+22	1,181771E+22	8,234070E+21	6,156551E+21	6,156528E+21	8,234018E+21	1,181757E+22
1597	1,588478E+22	1,934575E+22	2,133554E+22	2,133603E+22	1,934675E+22	1,588571E+22	1,181812E+22	8,234255E+21	6,156630E+21	6,156582E+21	8,234070E+21	1,181775E+22
1598	1,588536E+22	1,934666E+22	2,133606E+22	2,133589E+22	1,934602E+22	1,588479E+22	1,181752E+22	8,234055E+21	6,156703E+21	6,156869E+21	8,234507E+21	1,181814E+22
1599	1,588542E+22	1,934617E+22	2,133505E+22	2,133486E+22	1,934568E+22	1,588494E+22	1,181787E+22	8,234487E+21	6,157044E+21	6,156922E+21	8,234185E+21	1,181752E+22
1600	1,588476E+22	1,934599E+22	2,133574E+22	2,133584E+22	1,934642E+22	1,588543E+22	1,181807E+22	8,234596E+21	6,157262E+21	6,157302E+21	8,234670E+21	1,181805E+22
1601	1,588525E+22	1,934620E+22	2,133562E+22	2,133539E+22	1,934547E+22	1,588451E+22	1,181771E+22	8,234658E+21	6,157513E+21	6,157627E+21	8,234961E+21	1,181811E+22
1602	1,588485E+22	1,934528E+22	2,133438E+22	2,133476E+22	1,934581E+22	1,588523E+22	1,181840E+22	8,235244E+21	6,157930E+21	6,157804E+21	8,234890E+21	1,181785E+22
1603	1,588456E+22	1,934539E+22	2,133493E+22	2,133520E+22	1,934606E+22	1,588525E+22	1,181826E+22	8,235203E+21	6,158152E+21	6,158291E+21	8,235553E+21	1,181856E+22
1604	1,588512E+22	1,934539E+22	2,133422E+22	2,133391E+22	1,934480E+22	1,588470E+22	1,181832E+22	8,235447E+21	6,158364E+21	6,158359E+21	8,235420E+21	1,181823E+22
1605	1,588463E+22	1,934477E+22	2,133377E+22	2,133409E+22	1,934541E+22	1,588531E+22	1,181880E+22	8,235799E+21	6,158577E+21	6,158424E+21	8,235333E+21	1,181812E+22
1606	1,588485E+22	1,934562E+22	2,133474E+22	2,133451E+22	1,934505E+22	1,588448E+22	1,181808E+22	8,235435E+21	6,158530E+21	6,158670E+21	8,235825E+21	1,181865E+22
1607	1,588505E+22	1,934522E+22	2,133394E+22	2,133368E+22	1,934468E+22	1,588451E+22	1,181821E+22	8,235558E+21	6,158535E+21	6,158440E+21	8,235368E+21	1,181804E+22
1608	1,588439E+22	1,934482E+22	2,133434E+22	2,133476E+22	1,934578E+22	1,588528E+22	1,181848E+22	8,235435E+21	6,158317E+21	6,158322E+21	8,235435E+21	1,181841E+22

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	1,588513E+22	1,934565E+22	2,133480E+22	2,133477E+22	1,934523E+22	1,588449E+22	1,181790E+22	8,235018E+21	6,157976E+21	6,158111E+21	8,235395E+21	1,181845E+22
1610	1,588508E+22	1,934534E+22	2,133407E+22	2,133414E+22	1,934540E+22	1,588507E+22	1,181835E+22	8,235204E+21	6,157838E+21	6,157655E+21	8,234738E+21	1,181778E+22
1611	1,588462E+22	1,934559E+22	2,133520E+22	2,133528E+22	1,934606E+22	1,588529E+22	1,181819E+22	8,234896E+21	6,157631E+21	6,157647E+21	8,234927E+21	1,181819E+22
1612	1,588522E+22	1,934600E+22	2,133523E+22	2,133490E+22	1,934524E+22	1,588460E+22	1,181788E+22	8,234705E+21	6,157429E+21	6,157415E+21	8,234648E+21	1,181779E+22
1613	1,588467E+22	1,934531E+22	2,133462E+22	2,133506E+22	1,934606E+22	1,588534E+22	1,181831E+22	8,234920E+21	6,157437E+21	6,157261E+21	8,234404E+21	1,181756E+22
1614	1,588468E+22	1,934595E+22	2,133558E+22	2,133568E+22	1,934618E+22	1,588497E+22	1,181773E+22	8,234456E+21	6,157257E+21	6,157423E+21	8,234926E+21	1,181830E+22
1615	1,588521E+22	1,934580E+22	2,133485E+22	2,133460E+22	1,934534E+22	1,588475E+22	1,181783E+22	8,234587E+21	6,157286E+21	6,157260E+21	8,234568E+21	1,181782E+22
1616	1,588467E+22	1,934529E+22	2,133477E+22	2,133516E+22	1,934609E+22	1,588543E+22	1,181833E+22	8,234853E+21	6,157422E+21	6,157361E+21	8,234643E+21	1,181800E+22
1617	1,588524E+22	1,934619E+22	2,133545E+22	2,133529E+22	1,934553E+22	1,588453E+22	1,181769E+22	8,234615E+21	6,157478E+21	6,157631E+21	8,235022E+21	1,181826E+22
1618	1,588518E+22	1,934576E+22	2,133453E+22	2,133426E+22	1,934521E+22	1,588477E+22	1,181813E+22	8,235108E+21	6,157847E+21	6,157733E+21	8,234817E+21	1,181773E+22
1619	1,588437E+22	1,934521E+22	2,133490E+22	2,133513E+22	1,934595E+22	1,588523E+22	1,181831E+22	8,235265E+21	6,158180E+21	6,158228E+21	8,235378E+21	1,181836E+22
1620	1,588501E+22	1,934546E+22	2,133461E+22	2,133449E+22	1,934504E+22	1,588451E+22	1,181806E+22	8,235307E+21	6,158392E+21	6,158523E+21	8,235636E+21	1,181838E+22
1621	1,588464E+22	1,934458E+22	2,133333E+22	2,133366E+22	1,934516E+22	1,588515E+22	1,181880E+22	8,235976E+21	6,158832E+21	6,158681E+21	8,235522E+21	1,181810E+22
1622	1,588445E+22	1,934494E+22	2,133409E+22	2,133414E+22	1,934517E+22	1,588485E+22	1,181845E+22	8,235835E+21	6,158988E+21	6,159103E+21	8,236146E+21	1,181883E+22
1623	1,588506E+22	1,934503E+22	2,133360E+22	2,133310E+22	1,934404E+22	1,588424E+22	1,181838E+22	8,236031E+21	6,159206E+21	6,159173E+21	8,235964E+21	1,181834E+22
1624	1,588432E+22	1,934423E+22	2,133317E+22	2,133347E+22	1,934483E+22	1,588497E+22	1,181891E+22	8,236352E+21	6,159377E+21	6,159248E+21	8,235959E+21	1,181834E+22
1625	1,588458E+22	1,934496E+22	2,133407E+22	2,133408E+22	1,934479E+22	1,588431E+22	1,181816E+22	8,235860E+21	6,159192E+21	6,159364E+21	8,236351E+21	1,181885E+22
1626	1,588485E+22	1,934471E+22	2,133327E+22	2,133305E+22	1,934436E+22	1,588452E+22	1,181848E+22	8,236022E+21	6,159118E+21	6,159047E+21	8,235878E+21	1,181830E+22
1627	1,588421E+22	1,934423E+22	2,133355E+22	2,133401E+22	1,934528E+22	1,588514E+22	1,181874E+22	8,235988E+21	6,158991E+21	6,158950E+21	8,235874E+21	1,181860E+22
1628	1,588505E+22	1,934524E+22	2,133409E+22	2,133399E+22	1,934477E+22	1,588442E+22	1,181817E+22	8,235564E+21	6,158666E+21	6,158744E+21	8,235773E+21	1,181847E+22
1629	1,588479E+22	1,934487E+22	2,133348E+22	2,133340E+22	1,934487E+22	1,588493E+22	1,181864E+22	8,235809E+21	6,158595E+21	6,158375E+21	8,235195E+21	1,181781E+22
1630	1,588430E+22	1,934508E+22	2,133461E+22	2,133464E+22	1,934545E+22	1,588493E+22	1,181827E+22	8,235389E+21	6,158346E+21	6,158386E+21	8,235500E+21	1,181841E+22
1631	1,588499E+22	1,934541E+22	2,133454E+22	2,133430E+22	1,934482E+22	1,588433E+22	1,181790E+22	8,235158E+21	6,158155E+21	6,158177E+21	8,235248E+21	1,181804E+22
1632	1,588444E+22	1,934463E+22	2,133375E+22	2,133423E+22	1,934555E+22	1,588518E+22	1,181849E+22	8,235403E+21	6,158136E+21	6,158020E+21	8,235052E+21	1,181795E+22
1633	1,588467E+22	1,934539E+22	2,133474E+22	2,133490E+22	1,934566E+22	1,588477E+22	1,181790E+22	8,234940E+21	6,157910E+21	6,158075E+21	8,235414E+21	1,181855E+22
1634	1,588523E+22	1,934555E+22	2,133429E+22	2,133381E+22	1,934473E+22	1,588455E+22	1,181806E+22	8,235141E+21	6,157976E+21	6,157932E+21	8,235066E+21	1,181801E+22
1635	1,588448E+22	1,934483E+22	2,133418E+22	2,133445E+22	1,934542E+22	1,588507E+22	1,181850E+22	8,235488E+21	6,158275E+21	6,158176E+21	8,235191E+21	1,181813E+22
1636	1,588497E+22	1,934564E+22	2,133479E+22	2,133466E+22	1,934514E+22	1,588441E+22	1,181793E+22	8,235243E+21	6,158353E+21	6,158502E+21	8,235620E+21	1,181837E+22
1637	1,588475E+22	1,934499E+22	2,133371E+22	2,133352E+22	1,934482E+22	1,588475E+22	1,181846E+22	8,235799E+21	6,158765E+21	6,158657E+21	8,235491E+21	1,181795E+22
1638	1,588408E+22	1,934447E+22	2,133390E+22	2,133417E+22	1,934531E+22	1,588505E+22	1,181858E+22	8,235908E+21	6,159035E+21	6,159100E+21	8,236066E+21	1,181871E+22
1639	1,588492E+22	1,934489E+22	2,133370E+22	2,133354E+22	1,934439E+22	1,588427E+22	1,181828E+22	8,235980E+21	6,159277E+21	6,159370E+21	8,236237E+21	1,181861E+22
1640	1,588447E+22	1,934403E+22	2,133247E+22	2,133265E+22	1,934438E+22	1,588485E+22	1,181904E+22	8,236647E+21	6,159719E+21	6,159550E+21	8,236155E+21	1,181834E+22
1641	1,588428E+22	1,934437E+22	2,133339E+22	2,133343E+22	1,934455E+22	1,588452E+22	1,181859E+22	8,236410E+21	6,159790E+21	6,159892E+21	8,236696E+21	1,181899E+22
1642	1,588485E+22	1,934459E+22	2,133307E+22	2,133254E+22	1,934355E+22	1,588398E+22	1,181852E+22	8,236556E+21	6,159940E+21	6,159943E+21	8,236590E+21	1,181858E+22
1643	1,588401E+22	1,934350E+22	2,133238E+22	2,133281E+22	1,934436E+22	1,588471E+22	1,181901E+22	8,236876E+21	6,160150E+21	6,160045E+21	8,236587E+21	1,181865E+22
1644	1,588446E+22	1,934437E+22	2,133321E+22	2,133328E+22	1,934444E+22	1,588436E+22	1,181844E+22	8,236364E+21	6,159879E+21	6,160064E+21	8,236869E+21	1,181905E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1645	1,588470E+22	1,934421E+22	2,133253E+22	2,133222E+22	1,934384E+22	1,588447E+22	1,181881E+22	8,236610E+21	6,159826E+21	6,159709E+21	8,236305E+21	1,181841E+22
1646	1,588411E+22	1,934389E+22	2,133292E+22	2,133319E+22	1,934458E+22	1,588483E+22	1,181889E+22	8,236506E+21	6,159673E+21	6,159590E+21	8,236287E+21	1,181870E+22
1647	1,588488E+22	1,934488E+22	2,133361E+22	2,133341E+22	1,934424E+22	1,588410E+22	1,181823E+22	8,236063E+21	6,159382E+21	6,159424E+21	8,236198E+21	1,181848E+22
1648	1,588440E+22	1,934424E+22	2,133284E+22	2,133284E+22	1,934441E+22	1,588470E+22	1,181875E+22	8,236296E+21	6,159308E+21	6,159122E+21	8,235780E+21	1,181803E+22
1649	1,588400E+22	1,934430E+22	2,133382E+22	2,133411E+22	1,934514E+22	1,588481E+22	1,181839E+22	8,235799E+21	6,158965E+21	6,159046E+21	8,236031E+21	1,181867E+22
1650	1,588487E+22	1,934489E+22	2,133380E+22	2,133356E+22	1,934437E+22	1,588427E+22	1,181814E+22	8,235621E+21	6,158747E+21	6,158815E+21	8,235816E+21	1,181837E+22
1651	1,588436E+22	1,934409E+22	2,133293E+22	2,133337E+22	1,934489E+22	1,588491E+22	1,181868E+22	8,235971E+21	6,158871E+21	6,158724E+21	8,235571E+21	1,181822E+22
1652	1,588468E+22	1,934508E+22	2,133407E+22	2,133403E+22	1,934508E+22	1,588464E+22	1,181814E+22	8,235517E+21	6,158679E+21	6,158811E+21	8,235883E+21	1,181863E+22
1653	1,588501E+22	1,934515E+22	2,133377E+22	2,133312E+22	1,934415E+22	1,588436E+22	1,181833E+22	8,235799E+21	6,158834E+21	6,158758E+21	8,235599E+21	1,181809E+22
1654	1,588421E+22	1,934431E+22	2,133356E+22	2,133382E+22	1,934485E+22	1,588475E+22	1,181861E+22	8,236070E+21	6,159124E+21	6,159040E+21	8,235836E+21	1,181837E+22
1655	1,588472E+22	1,934498E+22	2,133401E+22	2,133400E+22	1,934473E+22	1,588423E+22	1,181807E+22	8,235839E+21	6,159230E+21	6,159390E+21	8,236284E+21	1,181861E+22
1656	1,588446E+22	1,934420E+22	2,133271E+22	2,133261E+22	1,934425E+22	1,588465E+22	1,181878E+22	8,236459E+21	6,159636E+21	6,159559E+21	8,236217E+21	1,181832E+22
1657	1,588396E+22	1,934376E+22	2,133293E+22	2,133327E+22	1,934466E+22	1,588484E+22	1,181884E+22	8,236538E+21	6,159852E+21	6,159891E+21	8,236630E+21	1,181892E+22
1658	1,588480E+22	1,934446E+22	2,133298E+22	2,133263E+22	1,934364E+22	1,588400E+22	1,181853E+22	8,236619E+21	6,160101E+21	6,160188E+21	8,236840E+21	1,181879E+22
1659	1,588419E+22	1,934342E+22	2,133174E+22	2,133186E+22	1,934365E+22	1,588444E+22	1,181917E+22	8,237289E+21	6,160621E+21	6,160440E+21	8,236782E+21	1,181854E+22
1660	1,588404E+22	1,934378E+22	2,133261E+22	2,133269E+22	1,934410E+22	1,588438E+22	1,181876E+22	8,236978E+21	6,160627E+21	6,160746E+21	8,237309E+21	1,181915E+22
1661	1,588451E+22	1,934390E+22	2,133227E+22	2,133184E+22	1,934316E+22	1,588395E+22	1,181880E+22	8,237144E+21	6,160737E+21	6,160748E+21	8,237182E+21	1,181883E+22
1662	1,588389E+22	1,934294E+22	2,133154E+22	2,133200E+22	1,934379E+22	1,588452E+22	1,181920E+22	8,237386E+21	6,160844E+21	6,160749E+21	8,237134E+21	1,181894E+22
1663	1,588443E+22	1,934396E+22	2,133251E+22	2,133253E+22	1,934391E+22	1,588416E+22	1,181863E+22	8,236913E+21	6,160588E+21	6,160720E+21	8,237301E+21	1,181916E+22
1664	1,588451E+22	1,934377E+22	2,133189E+22	2,133148E+22	1,934325E+22	1,588429E+22	1,181904E+22	8,237155E+21	6,160536E+21	6,160406E+21	8,236794E+21	1,181855E+22
1665	1,588387E+22	1,934335E+22	2,133234E+22	2,133267E+22	1,934408E+22	1,588459E+22	1,181903E+22	8,236975E+21	6,160321E+21	6,160233E+21	8,236723E+21	1,181876E+22
1666	1,588460E+22	1,934439E+22	2,133309E+22	2,133294E+22	1,934386E+22	1,588393E+22	1,181837E+22	8,236508E+21	6,160014E+21	6,160107E+21	8,236766E+21	1,181869E+22
1667	1,588411E+22	1,934352E+22	2,133201E+22	2,133217E+22	1,934394E+22	1,588449E+22	1,181886E+22	8,236764E+21	6,160004E+21	6,159852E+21	8,236378E+21	1,181837E+22
1668	1,588397E+22	1,934380E+22	2,133291E+22	2,133320E+22	1,934466E+22	1,588480E+22	1,181865E+22	8,236292E+21	6,159628E+21	6,159719E+21	8,236542E+21	1,181891E+22
1669	1,588482E+22	1,934451E+22	2,133311E+22	2,133272E+22	1,934374E+22	1,588411E+22	1,181843E+22	8,236210E+21	6,159473E+21	6,159495E+21	8,236264E+21	1,181854E+22
1670	1,588435E+22	1,934384E+22	2,133236E+22	2,133260E+22	1,934414E+22	1,588452E+22	1,181877E+22	8,236493E+21	6,159612E+21	6,159446E+21	8,236058E+21	1,181835E+22
1671	1,588452E+22	1,934475E+22	2,133364E+22	2,133353E+22	1,934456E+22	1,588432E+22	1,181824E+22	8,236077E+21	6,159487E+21	6,159597E+21	8,236398E+21	1,181868E+22
1672	1,588459E+22	1,934449E+22	2,133311E+22	2,133259E+22	1,934373E+22	1,588419E+22	1,181851E+22	8,236370E+21	6,159668E+21	6,159634E+21	8,236269E+21	1,181831E+22
1673	1,588384E+22	1,934344E+22	2,133265E+22	2,133318E+22	1,934449E+22	1,588470E+22	1,181885E+22	8,236626E+21	6,159902E+21	6,159841E+21	8,236443E+21	1,181860E+22
1674	1,588449E+22	1,934431E+22	2,133311E+22	2,133318E+22	1,934424E+22	1,588418E+22	1,181841E+22	8,236455E+21	6,160008E+21	6,160193E+21	8,236935E+21	1,181889E+22
1675	1,588425E+22	1,934347E+22	2,133166E+22	2,133160E+22	1,934348E+22	1,588438E+22	1,181906E+22	8,237172E+21	6,160549E+21	6,160433E+21	8,236850E+21	1,181860E+22
1676	1,588388E+22	1,934327E+22	2,133200E+22	2,133218E+22	1,934395E+22	1,588469E+22	1,181914E+22	8,237225E+21	6,160758E+21	6,160771E+21	8,237228E+21	1,181906E+22
1677	1,588453E+22	1,934394E+22	2,133229E+22	2,133182E+22	1,934294E+22	1,588373E+22	1,181879E+22	8,237314E+21	6,161026E+21	6,161096E+21	8,237473E+21	1,181899E+22
1678	1,588398E+22	1,934288E+22	2,133099E+22	2,133113E+22	1,934301E+22	1,588404E+22	1,181921E+22	8,237820E+21	6,161460E+21	6,161324E+21	8,237479E+21	1,181886E+22
1679	1,588391E+22	1,934324E+22	2,133186E+22	2,133201E+22	1,934363E+22	1,588416E+22	1,181888E+22	8,237496E+21	6,161405E+21	6,161552E+21	8,237929E+21	1,181942E+22
1680	1,588435E+22	1,934330E+22	2,133142E+22	2,133105E+22	1,934263E+22	1,588384E+22	1,181906E+22	8,237686E+21	6,161458E+21	6,161491E+21	8,237769E+21	1,181912E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1681	1,588380E+22	1,934245E+22	2,133083E+22	2,133131E+22	1,934325E+22	1,588434E+22	1,181943E+22	8,237902E+21	6,161495E+21	6,161354E+21	8,237523E+21	1,181902E+22
1682	1,588428E+22	1,934366E+22	2,133203E+22	2,133192E+22	1,934336E+22	1,588398E+22	1,181885E+22	8,237424E+21	6,161242E+21	6,161362E+21	8,237739E+21	1,181918E+22
1683	1,588413E+22	1,934316E+22	2,133126E+22	2,133093E+22	1,934271E+22	1,588400E+22	1,181918E+22	8,237700E+21	6,161284E+21	6,161140E+21	8,237309E+21	1,181867E+22
1684	1,588358E+22	1,934274E+22	2,133153E+22	2,133198E+22	1,934375E+22	1,588456E+22	1,181922E+22	8,237464E+21	6,161025E+21	6,160957E+21	8,237257E+21	1,181889E+22
1685	1,588426E+22	1,934371E+22	2,133226E+22	2,133223E+22	1,934345E+22	1,588390E+22	1,181865E+22	8,237042E+21	6,160713E+21	6,160814E+21	8,237302E+21	1,181896E+22
1686	1,588407E+22	1,934305E+22	2,133119E+22	2,133134E+22	1,934331E+22	1,588421E+22	1,181899E+22	8,237222E+21	6,160655E+21	6,160521E+21	8,236912E+21	1,181868E+22
1687	1,588404E+22	1,934354E+22	2,133228E+22	2,133244E+22	1,934402E+22	1,588448E+22	1,181877E+22	8,236813E+21	6,160330E+21	6,160383E+21	8,236993E+21	1,181904E+22
1688	1,588467E+22	1,934416E+22	2,133255E+22	2,133207E+22	1,934315E+22	1,588387E+22	1,181861E+22	8,236742E+21	6,160207E+21	6,160236E+21	8,236801E+21	1,181870E+22
1689	1,588410E+22	1,934335E+22	2,133189E+22	2,133217E+22	1,934366E+22	1,588424E+22	1,181889E+22	8,236978E+21	6,160314E+21	6,160158E+21	8,236557E+21	1,181843E+22
1690	1,588419E+22	1,934418E+22	2,133304E+22	2,133305E+22	1,934421E+22	1,588420E+22	1,181842E+22	8,236581E+21	6,160224E+21	6,160393E+21	8,237036E+21	1,181887E+22
1691	1,588421E+22	1,934363E+22	2,133211E+22	2,133184E+22	1,934328E+22	1,588410E+22	1,181877E+22	8,236973E+21	6,160506E+21	6,160501E+21	8,236959E+21	1,181866E+22
1692	1,588374E+22	1,934280E+22	2,133149E+22	2,133206E+22	1,934393E+22	1,588472E+22	1,181924E+22	8,237292E+21	6,160747E+21	6,160677E+21	8,237054E+21	1,181882E+22
1693	1,588431E+22	1,934375E+22	2,133218E+22	2,133215E+22	1,934348E+22	1,588400E+22	1,181879E+22	8,237216E+21	6,160933E+21	6,161050E+21	8,237502E+21	1,181911E+22
1694	1,588418E+22	1,934305E+22	2,133088E+22	2,133065E+22	1,934259E+22	1,588389E+22	1,181916E+22	8,237803E+21	6,161455E+21	6,161328E+21	8,237486E+21	1,181882E+22
1695	1,588371E+22	1,934284E+22	2,133137E+22	2,133148E+22	1,934324E+22	1,588424E+22	1,181923E+22	8,237847E+21	6,161657E+21	6,161672E+21	8,237873E+21	1,181922E+22
1696	1,588418E+22	1,934326E+22	2,133153E+22	2,133117E+22	1,934245E+22	1,588352E+22	1,181895E+22	8,237875E+21	6,161865E+21	6,161995E+21	8,238200E+21	1,181930E+22
1697	1,588372E+22	1,934218E+22	2,133020E+22	2,133048E+22	1,934257E+22	1,588392E+22	1,181940E+22	8,238309E+21	6,162164E+21	6,162061E+21	8,238053E+21	1,181911E+22
1698	1,588377E+22	1,934275E+22	2,133114E+22	2,133131E+22	1,934318E+22	1,588411E+22	1,181918E+22	8,238036E+21	6,162091E+21	6,162252E+21	8,238464E+21	1,181961E+22
1699	1,588415E+22	1,934273E+22	2,133060E+22	2,133028E+22	1,934207E+22	1,588366E+22	1,181933E+22	8,238308E+21	6,162238E+21	6,162219E+21	8,238257E+21	1,181928E+22
1700	1,588366E+22	1,934203E+22	2,133004E+22	2,133046E+22	1,934275E+22	1,588429E+22	1,181973E+22	8,238505E+21	6,162261E+21	6,162076E+21	8,237977E+21	1,181903E+22
1701	1,588388E+22	1,934310E+22	2,133143E+22	2,133134E+22	1,934288E+22	1,588380E+22	1,181912E+22	8,238041E+21	6,162024E+21	6,162106E+21	8,238243E+21	1,181933E+22
1702	1,588388E+22	1,934255E+22	2,133048E+22	2,133026E+22	1,934218E+22	1,588367E+22	1,181922E+22	8,238153E+21	6,161998E+21	6,161901E+21	8,237936E+21	1,181899E+22
1703	1,588348E+22	1,934223E+22	2,133075E+22	2,133124E+22	1,934323E+22	1,588434E+22	1,181936E+22	8,237923E+21	6,161685E+21	6,161656E+21	8,237833E+21	1,181919E+22
1704	1,588418E+22	1,934324E+22	2,133146E+22	2,133140E+22	1,934285E+22	1,588371E+22	1,181884E+22	8,237507E+21	6,161347E+21	6,161480E+21	8,237853E+21	1,181927E+22
1705	1,588404E+22	1,934273E+22	2,133063E+22	2,133065E+22	1,934269E+22	1,588392E+22	1,181909E+22	8,237643E+21	6,161242E+21	6,161092E+21	8,237293E+21	1,181879E+22
1706	1,588394E+22	1,934334E+22	2,133194E+22	2,133196E+22	1,934353E+22	1,588423E+22	1,181890E+22	8,237250E+21	6,160960E+21	6,161031E+21	8,237435E+21	1,181906E+22
1707	1,588429E+22	1,934357E+22	2,133195E+22	2,133161E+22	1,934273E+22	1,588362E+22	1,181875E+22	8,237274E+21	6,160963E+21	6,160990E+21	8,237336E+21	1,181883E+22
1708	1,588378E+22	1,934270E+22	2,133100E+22	2,133147E+22	1,934341E+22	1,588431E+22	1,181918E+22	8,237549E+21	6,161087E+21	6,160940E+21	8,237127E+21	1,181857E+22
1709	1,588378E+22	1,934339E+22	2,133212E+22	2,133227E+22	1,934378E+22	1,588423E+22	1,181884E+22	8,237262E+21	6,161050E+21	6,161191E+21	8,237615E+21	1,181914E+22
1710	1,588409E+22	1,934300E+22	2,133107E+22	2,133082E+22	1,934255E+22	1,588381E+22	1,181901E+22	8,237620E+21	6,161358E+21	6,161346E+21	8,237606E+21	1,181898E+22
1711	1,588371E+22	1,934240E+22	2,133064E+22	2,133104E+22	1,934311E+22	1,588436E+22	1,181947E+22	8,237981E+21	6,161641E+21	6,161540E+21	8,237663E+21	1,181902E+22
1712	1,588409E+22	1,934325E+22	2,133142E+22	2,133124E+22	1,934269E+22	1,588365E+22	1,181899E+22	8,237870E+21	6,161840E+21	6,161976E+21	8,238201E+21	1,181936E+22
1713	1,588391E+22	1,934251E+22	2,133030E+22	2,133004E+22	1,934195E+22	1,588348E+22	1,181923E+22	8,238340E+21	6,162270E+21	6,162174E+21	8,238121E+21	1,181905E+22
1714	1,588347E+22	1,934230E+22	2,133074E+22	2,133093E+22	1,934282E+22	1,588401E+22	1,181935E+22	8,238343E+21	6,162440E+21	6,162532E+21	8,238569E+21	1,181950E+22
1715	1,588389E+22	1,934250E+22	2,133058E+22	2,133044E+22	1,934202E+22	1,588341E+22	1,181920E+22	8,238465E+21	6,162675E+21	6,162826E+21	8,238857E+21	1,181964E+22
1716	1,588367E+22	1,934167E+22	2,132922E+22	2,132952E+22	1,934212E+22	1,588397E+22	1,181978E+22	8,238950E+21	6,162945E+21	6,162806E+21	8,238565E+21	1,181925E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1717	1,588353E+22	1,934226E+22	2,133042E+22	2,133050E+22	1,934258E+22	1,588400E+22	1,181958E+22	8,238756E+21	6,162926E+21	6,162987E+21	8,238901E+21	1,181971E+22
1718	1,588396E+22	1,934226E+22	2,132992E+22	2,132953E+22	1,934141E+22	1,588330E+22	1,181947E+22	8,238890E+21	6,163048E+21	6,163012E+21	8,238799E+21	1,181941E+22
1719	1,588340E+22	1,934155E+22	2,132941E+22	2,132980E+22	1,934218E+22	1,588394E+22	1,181984E+22	8,239058E+21	6,163035E+21	6,162859E+21	8,238550E+21	1,181917E+22
1720	1,588348E+22	1,934234E+22	2,133058E+22	2,133064E+22	1,934245E+22	1,588365E+22	1,181927E+22	8,238520E+21	6,162732E+21	6,162874E+21	8,238893E+21	1,181965E+22
1721	1,588366E+22	1,934192E+22	2,132974E+22	2,132958E+22	1,934170E+22	1,588347E+22	1,181933E+22	8,238525E+21	6,162552E+21	6,162500E+21	8,238434E+21	1,181928E+22
1722	1,588346E+22	1,934189E+22	2,133014E+22	2,133055E+22	1,934270E+22	1,588412E+22	1,181951E+22	8,238328E+21	6,162247E+21	6,162248E+21	8,238297E+21	1,181939E+22
1723	1,588407E+22	1,934283E+22	2,133081E+22	2,133070E+22	1,934231E+22	1,588349E+22	1,181903E+22	8,238012E+21	6,162007E+21	6,162110E+21	8,238288E+21	1,181942E+22
1724	1,588396E+22	1,934247E+22	2,133005E+22	2,132995E+22	1,934226E+22	1,588383E+22	1,181932E+22	8,238163E+21	6,161924E+21	6,161746E+21	8,237705E+21	1,181879E+22
1725	1,588355E+22	1,934281E+22	2,133144E+22	2,133150E+22	1,934316E+22	1,588410E+22	1,181917E+22	8,237860E+21	6,161728E+21	6,161747E+21	8,237907E+21	1,181919E+22
1726	1,588402E+22	1,934290E+22	2,133114E+22	2,133097E+22	1,934233E+22	1,588340E+22	1,181887E+22	8,237791E+21	6,161739E+21	6,161801E+21	8,237972E+21	1,181912E+22
1727	1,588362E+22	1,934210E+22	2,133009E+22	2,133058E+22	1,934284E+22	1,588413E+22	1,181945E+22	8,238159E+21	6,161881E+21	6,161750E+21	8,237760E+21	1,181885E+22
1728	1,588358E+22	1,934273E+22	2,133113E+22	2,133126E+22	1,934310E+22	1,588404E+22	1,181915E+22	8,237921E+21	6,161884E+21	6,162025E+21	8,238266E+21	1,181944E+22
1729	1,588394E+22	1,934254E+22	2,133038E+22	2,132993E+22	1,934177E+22	1,588342E+22	1,181916E+22	8,238201E+21	6,162157E+21	6,162133E+21	8,238160E+21	1,181917E+22
1730	1,588354E+22	1,934204E+22	2,133014E+22	2,133035E+22	1,934242E+22	1,588396E+22	1,181958E+22	8,238536E+21	6,162472E+21	6,162411E+21	8,238295E+21	1,181916E+22
1731	1,588372E+22	1,934257E+22	2,133066E+22	2,133060E+22	1,934218E+22	1,588336E+22	1,181913E+22	8,238475E+21	6,162724E+21	6,162886E+21	8,238893E+21	1,181963E+22
1732	1,588367E+22	1,934185E+22	2,132936E+22	2,132924E+22	1,934165E+22	1,588350E+22	1,181951E+22	8,238934E+21	6,163100E+21	6,163025E+21	8,238759E+21	1,181927E+22
1733	1,588317E+22	1,934160E+22	2,132988E+22	2,133019E+22	1,934241E+22	1,588402E+22	1,181976E+22	8,239044E+21	6,163282E+21	6,163320E+21	8,239133E+21	1,181978E+22
1734	1,588382E+22	1,934191E+22	2,132962E+22	2,132951E+22	1,934141E+22	1,588317E+22	1,181946E+22	8,239121E+21	6,163521E+21	6,163641E+21	8,239442E+21	1,181989E+22
1735	1,588358E+22	1,934128E+22	2,132849E+22	2,132861E+22	1,934143E+22	1,588371E+22	1,182008E+22	8,239637E+21	6,163793E+21	6,163613E+21	8,239113E+21	1,181937E+22
1736	1,588321E+22	1,934166E+22	2,132971E+22	2,132973E+22	1,934193E+22	1,588373E+22	1,181981E+22	8,239376E+21	6,163752E+21	6,163816E+21	8,239510E+21	1,181987E+22
1737	1,588359E+22	1,934164E+22	2,132931E+22	2,132891E+22	1,934086E+22	1,588294E+22	1,181952E+22	8,239352E+21	6,163750E+21	6,163749E+21	8,239370E+21	1,181963E+22
1738	1,588318E+22	1,934100E+22	2,132874E+22	2,132917E+22	1,934176E+22	1,588373E+22	1,181990E+22	8,239428E+21	6,163666E+21	6,163581E+21	8,239153E+21	1,181945E+22
1739	1,588332E+22	1,934168E+22	2,132966E+22	2,132981E+22	1,934196E+22	1,588350E+22	1,181945E+22	8,238974E+21	6,163361E+21	6,163527E+21	8,239432E+21	1,182000E+22
1740	1,588374E+22	1,934160E+22	2,132895E+22	2,132870E+22	1,934122E+22	1,588339E+22	1,181958E+22	8,239015E+21	6,163159E+21	6,163064E+21	8,238811E+21	1,181940E+22
1741	1,588334E+22	1,934161E+22	2,132971E+22	2,132995E+22	1,934217E+22	1,588391E+22	1,181975E+22	8,238899E+21	6,162924E+21	6,162824E+21	8,238619E+21	1,181946E+22
1742	1,588392E+22	1,934245E+22	2,133032E+22	2,133014E+22	1,934180E+22	1,588314E+22	1,181911E+22	8,238506E+21	6,162718E+21	6,162807E+21	8,238747E+21	1,181949E+22
1743	1,588367E+22	1,934201E+22	2,132954E+22	2,132943E+22	1,934185E+22	1,588361E+22	1,181949E+22	8,238703E+21	6,162660E+21	6,162494E+21	8,238245E+21	1,181889E+22
1744	1,588310E+22	1,934199E+22	2,133058E+22	2,133081E+22	1,934281E+22	1,588405E+22	1,181942E+22	8,238415E+21	6,162487E+21	6,162542E+21	8,238536E+21	1,181944E+22
1745	1,588370E+22	1,934220E+22	2,133032E+22	2,133017E+22	1,934182E+22	1,588324E+22	1,181908E+22	8,238317E+21	6,162444E+21	6,162523E+21	8,238537E+21	1,181940E+22
1746	1,588354E+22	1,934164E+22	2,132934E+22	2,132971E+22	1,934221E+22	1,588389E+22	1,181965E+22	8,238713E+21	6,162648E+21	6,162536E+21	8,238347E+21	1,181908E+22
1747	1,588341E+22	1,934215E+22	2,133027E+22	2,133032E+22	1,934241E+22	1,588376E+22	1,181938E+22	8,238568E+21	6,162744E+21	6,162868E+21	8,238882E+21	1,181971E+22
1748	1,588383E+22	1,934210E+22	2,132963E+22	2,132910E+22	1,934121E+22	1,588321E+22	1,181938E+22	8,238832E+21	6,163015E+21	6,162984E+21	8,238764E+21	1,181932E+22
1749	1,588321E+22	1,934143E+22	2,132951E+22	2,132977E+22	1,934194E+22	1,588372E+22	1,181980E+22	8,239207E+21	6,163370E+21	6,163279E+21	8,238936E+21	1,181946E+22
1750	1,588354E+22	1,934187E+22	2,132975E+22	2,132982E+22	1,934171E+22	1,588314E+22	1,181928E+22	8,239052E+21	6,163594E+21	6,163804E+21	8,239624E+21	1,182000E+22
1751	1,588360E+22	1,934133E+22	2,132851E+22	2,132830E+22	1,934102E+22	1,588334E+22	1,181982E+22	8,239592E+21	6,163940E+21	6,163876E+21	8,239406E+21	1,181954E+22
1752	1,588300E+22	1,934098E+22	2,132895E+22	2,132921E+22	1,934175E+22	1,588385E+22	1,182010E+22	8,239751E+21	6,164153E+21	6,164154E+21	8,239722E+21	1,181998E+22

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												
1753	1,588360E+22	1,934146E+22	2,132901E+22	2,132871E+22	1,934072E+22	1,588285E+22	1,181962E+22	8,239706E+21	6,164311E+21	6,164397E+21	8,239935E+21	1,181999E+22
1754	1,588332E+22	1,934082E+22	2,132797E+22	2,132797E+22	1,934081E+22	1,588337E+22	1,182017E+22	8,240152E+21	6,164571E+21	6,164423E+21	8,239679E+21	1,181947E+22
1755	1,588278E+22	1,934085E+22	2,132886E+22	2,132904E+22	1,934148E+22	1,588353E+22	1,181997E+22	8,239916E+21	6,164519E+21	6,164606E+21	8,240126E+21	1,182013E+22
1756	1,588338E+22	1,934098E+22	2,132837E+22	2,132812E+22	1,934052E+22	1,588293E+22	1,181974E+22	8,239839E+21	6,164424E+21	6,164440E+21	8,239904E+21	1,181985E+22
1757	1,588298E+22	1,934043E+22	2,132801E+22	2,132847E+22	1,934129E+22	1,588362E+22	1,182018E+22	8,239987E+21	6,164332E+21	6,164189E+21	8,239597E+21	1,181973E+22
1758	1,588336E+22	1,934129E+22	2,132891E+22	2,132899E+22	1,934137E+22	1,588322E+22	1,181958E+22	8,239474E+21	6,164036E+21	6,164177E+21	8,239887E+21	1,182019E+22
1759	1,588374E+22	1,934140E+22	2,132851E+22	2,132800E+22	1,934059E+22	1,588313E+22	1,181977E+22	8,239547E+21	6,163838E+21	6,163718E+21	8,239236E+21	1,181946E+22
1760	1,588305E+22	1,934113E+22	2,132922E+22	2,132943E+22	1,934170E+22	1,588370E+22	1,181993E+22	8,239433E+21	6,163641E+21	6,163535E+21	8,239116E+21	1,181954E+22
1761	1,588353E+22	1,934189E+22	2,132983E+22	2,132970E+22	1,934144E+22	1,588290E+22	1,181916E+22	8,238932E+21	6,163373E+21	6,163489E+21	8,239263E+21	1,181967E+22
1762	1,588341E+22	1,934140E+22	2,132888E+22	2,132885E+22	1,934150E+22	1,588350E+22	1,181962E+22	8,239122E+21	6,163333E+21	6,163248E+21	8,238851E+21	1,181915E+22
1763	1,588287E+22	1,934121E+22	2,132955E+22	2,132990E+22	1,934229E+22	1,588398E+22	1,181971E+22	8,238985E+21	6,163221E+21	6,163288E+21	8,239133E+21	1,181977E+22
1764	1,588369E+22	1,934172E+22	2,132937E+22	2,132916E+22	1,934124E+22	1,588314E+22	1,181938E+22	8,238938E+21	6,163219E+21	6,163255E+21	8,239040E+21	1,181957E+22
1765	1,588338E+22	1,934124E+22	2,132876E+22	2,132895E+22	1,934153E+22	1,588360E+22	1,181989E+22	8,239388E+21	6,163498E+21	6,163306E+21	8,238856E+21	1,181928E+22
1766	1,588328E+22	1,934165E+22	2,132956E+22	2,132954E+22	1,934172E+22	1,588334E+22	1,181945E+22	8,239163E+21	6,163629E+21	6,163764E+21	8,239532E+21	1,181993E+22
1767	1,588362E+22	1,934156E+22	2,132896E+22	2,132841E+22	1,934065E+22	1,588295E+22	1,181957E+22	8,239444E+21	6,163876E+21	6,163881E+21	8,239448E+21	1,181956E+22
1768	1,588288E+22	1,934065E+22	2,132862E+22	2,132900E+22	1,934148E+22	1,588363E+22	1,182006E+22	8,239821E+21	6,164219E+21	6,164160E+21	8,239624E+21	1,181974E+22
1769	1,588330E+22	1,934123E+22	2,132893E+22	2,132895E+22	1,934112E+22	1,588296E+22	1,181952E+22	8,239642E+21	6,164379E+21	6,164584E+21	8,240200E+21	1,182025E+22
1770	1,588349E+22	1,934087E+22	2,132780E+22	2,132747E+22	1,934041E+22	1,588315E+22	1,182006E+22	8,240196E+21	6,164768E+21	6,164702E+21	8,239969E+21	1,181969E+22
1771	1,588273E+22	1,934033E+22	2,132808E+22	2,132831E+22	1,934111E+22	1,588365E+22	1,182038E+22	8,240429E+21	6,165027E+21	6,164995E+21	8,240296E+21	1,182013E+22
1772	1,588335E+22	1,934089E+22	2,132822E+22	2,132794E+22	1,934022E+22	1,588268E+22	1,181986E+22	8,240345E+21	6,165152E+21	6,165210E+21	8,240494E+21	1,182010E+22
1773	1,588294E+22	1,934013E+22	2,132729E+22	2,132740E+22	1,934036E+22	1,588316E+22	1,182036E+22	8,240752E+21	6,165379E+21	6,165199E+21	8,240272E+21	1,181977E+22
1774	1,588263E+22	1,934013E+22	2,132787E+22	2,132818E+22	1,934094E+22	1,588331E+22	1,182008E+22	8,240405E+21	6,165261E+21	6,165394E+21	8,240769E+21	1,182049E+22
1775	1,588339E+22	1,934056E+22	2,132760E+22	2,132723E+22	1,933985E+22	1,588274E+22	1,181999E+22	8,240370E+21	6,165099E+21	6,165129E+21	8,240438E+21	1,182010E+22
1776	1,588291E+22	1,934002E+22	2,132734E+22	2,132769E+22	1,934067E+22	1,588339E+22	1,182038E+22	8,240522E+21	6,165028E+21	6,164857E+21	8,240056E+21	1,181986E+22
1777	1,588320E+22	1,934103E+22	2,132856E+22	2,132841E+22	1,934080E+22	1,588291E+22	1,181964E+22	8,239908E+21	6,164670E+21	6,164794E+21	8,240276E+21	1,182023E+22
1778	1,588350E+22	1,934105E+22	2,132819E+22	2,132764E+22	1,934020E+22	1,588289E+22	1,181981E+22	8,239942E+21	6,164490E+21	6,164412E+21	8,239707E+21	1,181950E+22
1779	1,588263E+22	1,934036E+22	2,132842E+22	2,132888E+22	1,934144E+22	1,588365E+22	1,182012E+22	8,239917E+21	6,164328E+21	6,164243E+21	8,239660E+21	1,181974E+22
1780	1,588328E+22	1,934118E+22	2,132890E+22	2,132900E+22	1,934119E+22	1,588299E+22	1,181946E+22	8,239447E+21	6,164039E+21	6,164156E+21	8,239765E+21	1,181987E+22
1781	1,588320E+22	1,934077E+22	2,132807E+22	2,132809E+22	1,934097E+22	1,588342E+22	1,181996E+22	8,239751E+21	6,164066E+21	6,163914E+21	8,239356E+21	1,181946E+22
1782	1,588288E+22	1,934071E+22	2,132861E+22	2,132890E+22	1,934157E+22	1,588371E+22	1,181992E+22	8,239590E+21	6,164030E+21	6,164076E+21	8,239705E+21	1,182002E+22
1783	1,588368E+22	1,934144E+22	2,132878E+22	2,132827E+22	1,934041E+22	1,588280E+22	1,181960E+22	8,239557E+21	6,164044E+21	6,164085E+21	8,239630E+21	1,181973E+22
1784	1,588312E+22	1,934069E+22	2,132811E+22	2,132827E+22	1,934088E+22	1,588325E+22	1,182002E+22	8,239993E+21	6,164368E+21	6,164193E+21	8,239510E+21	1,181946E+22
1785	1,588298E+22	1,934110E+22	2,132895E+22	2,132894E+22	1,934122E+22	1,588303E+22	1,181949E+22	8,239648E+21	6,164412E+21	6,164596E+21	8,240176E+21	1,182020E+22
1786	1,588344E+22	1,934099E+22	2,132824E+22	2,132774E+22	1,934019E+22	1,588279E+22	1,181970E+22	8,239932E+21	6,164659E+21	6,164734E+21	8,240100E+21	1,181983E+22
1787	1,588268E+22	1,933993E+22	2,132759E+22	2,132806E+22	1,934093E+22	1,588357E+22	1,182042E+22	8,240486E+21	6,165050E+21	6,164972E+21	8,240223E+21	1,182000E+22
1788	1,588320E+22	1,934072E+22	2,132804E+22	2,132804E+22	1,934057E+22	1,588288E+22	1,181987E+22	8,240348E+21	6,165239E+21	6,165370E+21	8,240692E+21	1,182032E+22

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												
1789	1,588318E+22	1,934033E+22	2,132718E+22	2,132680E+22	1,933978E+22	1,588292E+22	1,182036E+22	8,240928E+21	6,165674E+21	6,165520E+21	8,240511E+21	1,181984E+22
1790	1,588245E+22	1,933962E+22	2,132718E+22	2,132751E+22	1,934048E+22	1,588334E+22	1,182053E+22	8,241057E+21	6,165933E+21	6,165914E+21	8,240968E+21	1,182033E+22
1791	1,588306E+22	1,934023E+22	2,132738E+22	2,132713E+22	1,933962E+22	1,588248E+22	1,182009E+22	8,240932E+21	6,165976E+21	6,166079E+21	8,241176E+21	1,182037E+22
1792	1,588266E+22	1,933937E+22	2,132634E+22	2,132657E+22	1,933983E+22	1,588301E+22	1,182058E+22	8,241302E+21	6,166142E+21	6,165992E+21	8,240907E+21	1,182007E+22
1793	1,588254E+22	1,933970E+22	2,132716E+22	2,132735E+22	1,934030E+22	1,588304E+22	1,182021E+22	8,240869E+21	6,165909E+21	6,166044E+21	8,241264E+21	1,182075E+22
1794	1,588341E+22	1,934031E+22	2,132711E+22	2,132660E+22	1,933931E+22	1,588249E+22	1,182008E+22	8,240799E+21	6,165747E+21	6,165789E+21	8,240883E+21	1,182022E+22
1795	1,588274E+22	1,933960E+22	2,132676E+22	2,132707E+22	1,934017E+22	1,588322E+22	1,182058E+22	8,241019E+21	6,165692E+21	6,165509E+21	8,240505E+21	1,181995E+22
1796	1,588297E+22	1,934057E+22	2,132798E+22	2,132795E+22	1,934050E+22	1,588282E+22	1,181984E+22	8,240402E+21	6,165330E+21	6,165433E+21	8,240702E+21	1,182027E+22
1797	1,588312E+22	1,934044E+22	2,132762E+22	2,132728E+22	1,933995E+22	1,588283E+22	1,182002E+22	8,240451E+21	6,165166E+21	6,165065E+21	8,240220E+21	1,181977E+22
1798	1,588248E+22	1,933965E+22	2,132739E+22	2,132802E+22	1,934094E+22	1,588354E+22	1,182032E+22	8,240415E+21	6,165031E+21	6,164979E+21	8,240246E+21	1,182003E+22
1799	1,588324E+22	1,934072E+22	2,132804E+22	2,132803E+22	1,934045E+22	1,588283E+22	1,181978E+22	8,240039E+21	6,164761E+21	6,164871E+21	8,240300E+21	1,182009E+22
1800	1,588309E+22	1,934033E+22	2,132733E+22	2,132724E+22	1,934023E+22	1,588310E+22	1,182014E+22	8,240344E+21	6,164851E+21	6,164670E+21	8,239873E+21	1,181959E+22
1801	1,588271E+22	1,934042E+22	2,132813E+22	2,132815E+22	1,934078E+22	1,588324E+22	1,181994E+22	8,240085E+21	6,164779E+21	6,164833E+21	8,240229E+21	1,182015E+22
1802	1,588345E+22	1,934103E+22	2,132831E+22	2,132779E+22	1,933991E+22	1,588247E+22	1,181961E+22	8,240008E+21	6,164817E+21	6,164919E+21	8,240238E+21	1,181988E+22
1803	1,588276E+22	1,933994E+22	2,132726E+22	2,132762E+22	1,934051E+22	1,588316E+22	1,182021E+22	8,240521E+21	6,165151E+21	6,165021E+21	8,240159E+21	1,181973E+22
1804	1,588276E+22	1,934039E+22	2,132799E+22	2,132819E+22	1,934088E+22	1,588308E+22	1,181983E+22	8,240260E+21	6,165200E+21	6,165370E+21	8,240734E+21	1,182039E+22
1805	1,588321E+22	1,934036E+22	2,132742E+22	2,132704E+22	1,933970E+22	1,588273E+22	1,182009E+22	8,240657E+21	6,165516E+21	6,165510E+21	8,240662E+21	1,182010E+22
1806	1,588257E+22	1,933931E+22	2,132655E+22	2,132703E+22	1,934023E+22	1,588336E+22	1,182071E+22	8,241209E+21	6,165993E+21	6,165879E+21	8,240849E+21	1,182018E+22
1807	1,588298E+22	1,934022E+22	2,132730E+22	2,132713E+22	1,933976E+22	1,588263E+22	1,182022E+22	8,241083E+21	6,166178E+21	6,166299E+21	8,241350E+21	1,182047E+22
1808	1,588280E+22	1,933959E+22	2,132635E+22	2,132606E+22	1,933913E+22	1,588260E+22	1,182055E+22	8,241597E+21	6,166608E+21	6,166473E+21	8,241233E+21	1,182007E+22
1809	1,588215E+22	1,933900E+22	2,132636E+22	2,132670E+22	1,933987E+22	1,588302E+22	1,182059E+22	8,241545E+21	6,166720E+21	6,166767E+21	8,241669E+21	1,182070E+22
1810	1,588298E+22	1,933971E+22	2,132657E+22	2,132634E+22	1,933908E+22	1,588227E+22	1,182018E+22	8,241364E+21	6,166685E+21	6,166864E+21	8,241811E+21	1,182070E+22
1811	1,588262E+22	1,933887E+22	2,132544E+22	2,132566E+22	1,933923E+22	1,588285E+22	1,182081E+22	8,241822E+21	6,166824E+21	6,166669E+21	8,241425E+21	1,182034E+22
1812	1,588256E+22	1,933943E+22	2,132655E+22	2,132668E+22	1,933980E+22	1,588287E+22	1,182043E+22	8,241402E+21	6,166579E+21	6,166649E+21	8,241622E+21	1,182078E+22
1813	1,588317E+22	1,933998E+22	2,132676E+22	2,132625E+22	1,933888E+22	1,588229E+22	1,182028E+22	8,241341E+21	6,166430E+21	6,166401E+21	8,241283E+21	1,182030E+22
1814	1,588245E+22	1,933902E+22	2,132606E+22	2,132652E+22	1,933979E+22	1,588304E+22	1,182073E+22	8,241522E+21	6,166408E+21	6,166234E+21	8,241024E+21	1,182006E+22
1815	1,588263E+22	1,933997E+22	2,132727E+22	2,132730E+22	1,934007E+22	1,588279E+22	1,182013E+22	8,240910E+21	6,166008E+21	6,166137E+21	8,241235E+21	1,182043E+22
1816	1,588278E+22	1,933968E+22	2,132669E+22	2,132651E+22	1,933946E+22	1,588273E+22	1,182030E+22	8,240999E+21	6,165872E+21	6,165779E+21	8,240763E+21	1,181998E+22
1817	1,588235E+22	1,933923E+22	2,132659E+22	2,132711E+22	1,934026E+22	1,588326E+22	1,182047E+22	8,240899E+21	6,165695E+21	6,165643E+21	8,240745E+21	1,182026E+22
1818	1,588320E+22	1,934043E+22	2,132745E+22	2,132728E+22	1,933980E+22	1,588250E+22	1,181985E+22	8,240503E+21	6,165474E+21	6,165600E+21	8,240812E+21	1,182024E+22
1819	1,588289E+22	1,933988E+22	2,132668E+22	2,132654E+22	1,933962E+22	1,588280E+22	1,182029E+22	8,240866E+21	6,165593E+21	6,165427E+21	8,240436E+21	1,181978E+22
1820	1,588249E+22	1,933992E+22	2,132752E+22	2,132768E+22	1,934039E+22	1,588301E+22	1,182008E+22	8,240607E+21	6,165528E+21	6,165585E+21	8,240772E+21	1,182029E+22
1821	1,588312E+22	1,934039E+22	2,132766E+22	2,132736E+22	1,933962E+22	1,588238E+22	1,181982E+22	8,240554E+21	6,165574E+21	6,165684E+21	8,240863E+21	1,182022E+22
1822	1,588260E+22	1,933924E+22	2,132619E+22	2,132669E+22	1,934000E+22	1,588309E+22	1,182051E+22	8,241130E+21	6,165973E+21	6,165868E+21	8,240818E+21	1,182003E+22
1823	1,588266E+22	1,933990E+22	2,132710E+22	2,132717E+22	1,934013E+22	1,588297E+22	1,182027E+22	8,240988E+21	6,166075E+21	6,166213E+21	8,241323E+21	1,182057E+22
1824	1,588298E+22	1,933979E+22	2,132658E+22	2,132615E+22	1,933899E+22	1,588247E+22	1,182040E+22	8,241413E+21	6,166480E+21	6,166426E+21	8,241266E+21	1,182021E+22

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	1,588230E+22	1,933886E+22	2,132584E+22	2,132616E+22	1,933946E+22	1,588295E+22	1,182084E+22	8,241829E+21	6,166891E+21	6,166787E+21	8,241504E+21	1,182037E+22
1826	1,588267E+22	1,933961E+22	2,132657E+22	2,132647E+22	1,933921E+22	1,588230E+22	1,182028E+22	8,241625E+21	6,167047E+21	6,167223E+21	8,242056E+21	1,182072E+22
1827	1,588247E+22	1,933880E+22	2,132536E+22	2,132523E+22	1,933864E+22	1,588245E+22	1,182075E+22	8,242137E+21	6,167394E+21	6,167313E+21	8,241932E+21	1,182045E+22
1828	1,588204E+22	1,933838E+22	2,132544E+22	2,132589E+22	1,933936E+22	1,588289E+22	1,182086E+22	8,242106E+21	6,167440E+21	6,167476E+21	8,242201E+21	1,182094E+22
1829	1,588288E+22	1,933930E+22	2,132593E+22	2,132571E+22	1,933860E+22	1,588214E+22	1,182046E+22	8,241951E+21	6,167393E+21	6,167512E+21	8,242293E+21	1,182096E+22
1830	1,588258E+22	1,933851E+22	2,132472E+22	2,132484E+22	1,933863E+22	1,588262E+22	1,182101E+22	8,242381E+21	6,167574E+21	6,167393E+21	8,241905E+21	1,182045E+22
1831	1,588236E+22	1,933909E+22	2,132607E+22	2,132602E+22	1,933918E+22	1,588269E+22	1,182073E+22	8,241990E+21	6,167322E+21	6,167367E+21	8,242094E+21	1,182081E+22
1832	1,588276E+22	1,933932E+22	2,132614E+22	2,132582E+22	1,933855E+22	1,588209E+22	1,182045E+22	8,241881E+21	6,167178E+21	6,167148E+21	8,241808E+21	1,182039E+22
1833	1,588211E+22	1,933844E+22	2,132528E+22	2,132581E+22	1,933933E+22	1,588283E+22	1,182081E+22	8,241928E+21	6,167050E+21	6,166929E+21	8,241588E+21	1,182032E+22
1834	1,588246E+22	1,933939E+22	2,132646E+22	2,132655E+22	1,933958E+22	1,588262E+22	1,182027E+22	8,241338E+21	6,166642E+21	6,166810E+21	8,241768E+21	1,182068E+22
1835	1,588266E+22	1,933917E+22	2,132583E+22	2,132559E+22	1,933884E+22	1,588253E+22	1,182051E+22	8,241506E+21	6,166529E+21	6,166429E+21	8,241263E+21	1,182022E+22
1836	1,588231E+22	1,933890E+22	2,132599E+22	2,132640E+22	1,933965E+22	1,588296E+22	1,182063E+22	8,241421E+21	6,166384E+21	6,166291E+21	8,241160E+21	1,182034E+22
1837	1,588296E+22	1,934006E+22	2,132704E+22	2,132686E+22	1,933935E+22	1,588223E+22	1,181999E+22	8,241022E+21	6,166181E+21	6,166292E+21	8,241331E+21	1,182044E+22
1838	1,588264E+22	1,933928E+22	2,132590E+22	2,132589E+22	1,933920E+22	1,588260E+22	1,182041E+22	8,241371E+21	6,166360E+21	6,166235E+21	8,241059E+21	1,182001E+22
1839	1,588224E+22	1,933932E+22	2,132675E+22	2,132693E+22	1,933992E+22	1,588298E+22	1,182042E+22	8,241189E+21	6,166299E+21	6,166378E+21	8,241381E+21	1,182053E+22
1840	1,588285E+22	1,933966E+22	2,132672E+22	2,132658E+22	1,933916E+22	1,588229E+22	1,182017E+22	8,241227E+21	6,166415E+21	6,166507E+21	8,241458E+21	1,182043E+22
1841	1,588246E+22	1,933880E+22	2,132534E+22	2,132570E+22	1,933928E+22	1,588283E+22	1,182076E+22	8,241772E+21	6,166816E+21	6,166694E+21	8,241417E+21	1,182026E+22
1842	1,588249E+22	1,933946E+22	2,132639E+22	2,132633E+22	1,933945E+22	1,588268E+22	1,182046E+22	8,241628E+21	6,166974E+21	6,167102E+21	8,241936E+21	1,182072E+22
1843	1,588266E+22	1,933916E+22	2,132576E+22	2,132530E+22	1,933833E+22	1,588218E+22	1,182063E+22	8,242081E+21	6,167387E+21	6,167346E+21	8,241963E+21	1,182046E+22
1844	1,588203E+22	1,933820E+22	2,132504E+22	2,132549E+22	1,933895E+22	1,588267E+22	1,182100E+22	8,242435E+21	6,167751E+21	6,167657E+21	8,242161E+21	1,182062E+22
1845	1,588240E+22	1,933893E+22	2,132576E+22	2,132580E+22	1,933878E+22	1,588215E+22	1,182048E+22	8,242188E+21	6,167831E+21	6,168033E+21	8,242745E+21	1,182114E+22
1846	1,588239E+22	1,933816E+22	2,132431E+22	2,132422E+22	1,933801E+22	1,588228E+22	1,182100E+22	8,242719E+21	6,168180E+21	6,168115E+21	8,242563E+21	1,182078E+22
1847	1,588204E+22	1,933805E+22	2,132476E+22	2,132497E+22	1,933861E+22	1,588269E+22	1,182119E+22	8,242740E+21	6,168216E+21	6,168206E+21	8,242690E+21	1,182107E+22
1848	1,588267E+22	1,933885E+22	2,132533E+22	2,132505E+22	1,933804E+22	1,588187E+22	1,182068E+22	8,242579E+21	6,168206E+21	6,168269E+21	8,242744E+21	1,182095E+22
1849	1,588228E+22	1,933815E+22	2,132422E+22	2,132423E+22	1,933809E+22	1,588231E+22	1,182109E+22	8,242869E+21	6,168297E+21	6,168127E+21	8,242414E+21	1,182053E+22
1850	1,588198E+22	1,933848E+22	2,132547E+22	2,132555E+22	1,933886E+22	1,588249E+22	1,182080E+22	8,242431E+21	6,168018E+21	6,168091E+21	8,242623E+21	1,182094E+22
1851	1,588237E+22	1,933852E+22	2,132520E+22	2,132508E+22	1,933821E+22	1,588205E+22	1,182068E+22	8,242358E+21	6,167824E+21	6,167826E+21	8,242368E+21	1,182068E+22
1852	1,588197E+22	1,933781E+22	2,132441E+22	2,132504E+22	1,933887E+22	1,588271E+22	1,182105E+22	8,242428E+21	6,167667E+21	6,167524E+21	8,242031E+21	1,182053E+22
1853	1,588235E+22	1,933895E+22	2,132578E+22	2,132585E+22	1,933910E+22	1,588245E+22	1,182048E+22	8,241856E+21	6,167272E+21	6,167408E+21	8,242239E+21	1,182094E+22
1854	1,588261E+22	1,933878E+22	2,132511E+22	2,132473E+22	1,933819E+22	1,588225E+22	1,182067E+22	8,242021E+21	6,167238E+21	6,167141E+21	8,241783E+21	1,182041E+22
1855	1,588217E+22	1,933860E+22	2,132555E+22	2,132573E+22	1,933899E+22	1,588268E+22	1,182084E+22	8,241970E+21	6,167122E+21	6,167031E+21	8,241694E+21	1,182047E+22
1856	1,588264E+22	1,933946E+22	2,132642E+22	2,132637E+22	1,933901E+22	1,588203E+22	1,182014E+22	8,241564E+21	6,166963E+21	6,167088E+21	8,241909E+21	1,182062E+22
1857	1,588244E+22	1,933880E+22	2,132515E+22	2,132511E+22	1,933873E+22	1,588241E+22	1,182053E+22	8,241832E+21	6,167072E+21	6,167005E+21	8,241681E+21	1,182032E+22
1858	1,588213E+22	1,933879E+22	2,132594E+22	2,132612E+22	1,933940E+22	1,588281E+22	1,182064E+22	8,241755E+21	6,167066E+21	6,167139E+21	8,241939E+21	1,182075E+22
1859	1,588269E+22	1,933912E+22	2,132585E+22	2,132565E+22	1,933854E+22	1,588211E+22	1,182048E+22	8,241898E+21	6,167250E+21	6,167304E+21	8,242025E+21	1,182064E+22
1860	1,588228E+22	1,933830E+22	2,132467E+22	2,132492E+22	1,933861E+22	1,588253E+22	1,182100E+22	8,242453E+21	6,167693E+21	6,167520E+21	8,241954E+21	1,182035E+22

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												
1861	1,588213E+22	1,933883E+22	2,132576E+22	2,132576E+22	1,933897E+22	1,588244E+22	1,182067E+22	8,242279E+21	6,167845E+21	6,167973E+21	8,242609E+21	1,182097E+22
1862	1,588232E+22	1,933837E+22	2,132478E+22	2,132443E+22	1,933779E+22	1,588195E+22	1,182080E+22	8,242692E+21	6,168284E+21	6,168287E+21	8,242705E+21	1,182078E+22
1863	1,588180E+22	1,933752E+22	2,132412E+22	2,132450E+22	1,933829E+22	1,588253E+22	1,182132E+22	8,243077E+21	6,168604E+21	6,168527E+21	8,242835E+21	1,182092E+22
1864	1,588221E+22	1,933824E+22	2,132481E+22	2,132494E+22	1,933823E+22	1,588199E+22	1,182078E+22	8,242859E+21	6,168686E+21	6,168857E+21	8,243321E+21	1,182136E+22
1865	1,588235E+22	1,933784E+22	2,132357E+22	2,132327E+22	1,933730E+22	1,588196E+22	1,182115E+22	8,243278E+21	6,168960E+21	6,168887E+21	8,243109E+21	1,182098E+22
1866	1,588191E+22	1,933769E+22	2,132423E+22	2,132431E+22	1,933803E+22	1,588239E+22	1,182132E+22	8,243300E+21	6,169000E+21	6,168964E+21	8,243191E+21	1,182115E+22
1867	1,588234E+22	1,933827E+22	2,132468E+22	2,132445E+22	1,933760E+22	1,588167E+22	1,182087E+22	8,243133E+21	6,168957E+21	6,169024E+21	8,243305E+21	1,182112E+22
1868	1,588194E+22	1,933745E+22	2,132355E+22	2,132373E+22	1,933777E+22	1,588215E+22	1,182124E+22	8,243353E+21	6,168986E+21	6,168826E+21	8,242937E+21	1,182071E+22
1869	1,588168E+22	1,933776E+22	2,132467E+22	2,132494E+22	1,933858E+22	1,588248E+22	1,182102E+22	8,242890E+21	6,168628E+21	6,168736E+21	8,243185E+21	1,182127E+22
1870	1,588227E+22	1,933790E+22	2,132419E+22	2,132406E+22	1,933760E+22	1,588192E+22	1,182093E+22	8,242878E+21	6,168489E+21	6,168493E+21	8,242893E+21	1,182097E+22
1871	1,588199E+22	1,933753E+22	2,132378E+22	2,132409E+22	1,933809E+22	1,588247E+22	1,182132E+22	8,242997E+21	6,168364E+21	6,168172E+21	8,242467E+21	1,182067E+22
1872	1,588221E+22	1,933857E+22	2,132525E+22	2,132522E+22	1,933852E+22	1,588213E+22	1,182063E+22	8,242415E+21	6,168022E+21	6,168115E+21	8,242674E+21	1,182100E+22
1873	1,588243E+22	1,933849E+22	2,132467E+22	2,132415E+22	1,933764E+22	1,588188E+22	1,182067E+22	8,242442E+21	6,167917E+21	6,167862E+21	8,242322E+21	1,182058E+22
1874	1,588192E+22	1,933809E+22	2,132502E+22	2,132527E+22	1,933866E+22	1,588246E+22	1,182088E+22	8,242399E+21	6,167809E+21	6,167748E+21	8,242236E+21	1,182066E+22
1875	1,588235E+22	1,933875E+22	2,132556E+22	2,132564E+22	1,933867E+22	1,588201E+22	1,182040E+22	8,242089E+21	6,167659E+21	6,167805E+21	8,242476E+21	1,182089E+22
1876	1,588229E+22	1,933819E+22	2,132440E+22	2,132440E+22	1,933828E+22	1,588230E+22	1,182083E+22	8,242438E+21	6,167814E+21	6,167706E+21	8,242168E+21	1,182050E+22
1877	1,588195E+22	1,933826E+22	2,132522E+22	2,132539E+22	1,933891E+22	1,588269E+22	1,182093E+22	8,242405E+21	6,167863E+21	6,167899E+21	8,242490E+21	1,182094E+22
1878	1,588245E+22	1,933852E+22	2,132498E+22	2,132469E+22	1,933784E+22	1,588188E+22	1,182075E+22	8,242601E+21	6,168172E+21	6,168209E+21	8,242673E+21	1,182084E+22
1879	1,588202E+22	1,933774E+22	2,132398E+22	2,132408E+22	1,933789E+22	1,588224E+22	1,182127E+22	8,243148E+21	6,168625E+21	6,168449E+21	8,242636E+21	1,182056E+22
1880	1,588176E+22	1,933799E+22	2,132483E+22	2,132499E+22	1,933847E+22	1,588220E+22	1,182086E+22	8,242931E+21	6,168780E+21	6,168925E+21	8,243315E+21	1,182125E+22
1881	1,588217E+22	1,933778E+22	2,132381E+22	2,132342E+22	1,933712E+22	1,588170E+22	1,182094E+22	8,243219E+21	6,169091E+21	6,169164E+21	8,243430E+21	1,182118E+22
1882	1,588179E+22	1,933706E+22	2,132331E+22	2,132360E+22	1,933762E+22	1,588223E+22	1,182147E+22	8,243652E+21	6,169406E+21	6,169319E+21	8,243419E+21	1,182118E+22
1883	1,588211E+22	1,933779E+22	2,132405E+22	2,132403E+22	1,933759E+22	1,588176E+22	1,182102E+22	8,243487E+21	6,169497E+21	6,169633E+21	8,243855E+21	1,182154E+22
1884	1,588217E+22	1,933740E+22	2,132310E+22	2,132273E+22	1,933676E+22	1,588169E+22	1,182132E+22	8,243857E+21	6,169738E+21	6,169623E+21	8,243573E+21	1,182102E+22
1885	1,588155E+22	1,933709E+22	2,132367E+22	2,132390E+22	1,933774E+22	1,588225E+22	1,182151E+22	8,243834E+21	6,169721E+21	6,169695E+21	8,243743E+21	1,182130E+22
1886	1,588195E+22	1,933747E+22	2,132376E+22	2,132370E+22	1,933723E+22	1,588162E+22	1,182110E+22	8,243672E+21	6,169698E+21	6,169789E+21	8,243900E+21	1,182136E+22
1887	1,588171E+22	1,933680E+22	2,132270E+22	2,132282E+22	1,933719E+22	1,588212E+22	1,182158E+22	8,243918E+21	6,169686E+21	6,169521E+21	8,243470E+21	1,182095E+22
1888	1,588151E+22	1,933712E+22	2,132376E+22	2,132409E+22	1,933804E+22	1,588234E+22	1,182130E+22	8,243483E+21	6,169357E+21	6,169417E+21	8,243637E+21	1,182145E+22
1889	1,588227E+22	1,933766E+22	2,132353E+22	2,132315E+22	1,933686E+22	1,588158E+22	1,182101E+22	8,243338E+21	6,169159E+21	6,169171E+21	8,243387E+21	1,182118E+22
1890	1,588195E+22	1,933729E+22	2,132337E+22	2,132350E+22	1,933746E+22	1,588206E+22	1,182133E+22	8,243456E+21	6,169052E+21	6,168850E+21	8,242939E+21	1,182079E+22
1891	1,588198E+22	1,933811E+22	2,132474E+22	2,132472E+22	1,933810E+22	1,588188E+22	1,182072E+22	8,242885E+21	6,168707E+21	6,168821E+21	8,243215E+21	1,182120E+22
1892	1,588218E+22	1,933790E+22	2,132415E+22	2,132378E+22	1,933734E+22	1,588171E+22	1,182076E+22	8,242864E+21	6,168562E+21	6,168531E+21	8,242831E+21	1,182078E+22
1893	1,588170E+22	1,933746E+22	2,132429E+22	2,132473E+22	1,933842E+22	1,588249E+22	1,182113E+22	8,242875E+21	6,168434E+21	6,168408E+21	8,242784E+21	1,182092E+22
1894	1,588220E+22	1,933815E+22	2,132462E+22	2,132469E+22	1,933810E+22	1,588194E+22	1,182072E+22	8,242706E+21	6,168425E+21	6,168544E+21	8,243007E+21	1,182109E+22
1895	1,588217E+22	1,933776E+22	2,132368E+22	2,132343E+22	1,933750E+22	1,588212E+22	1,182117E+22	8,243144E+21	6,168687E+21	6,168516E+21	8,242691E+21	1,182059E+22
1896	1,588164E+22	1,933761E+22	2,132443E+22	2,132463E+22	1,933832E+22	1,588245E+22	1,182119E+22	8,243121E+21	6,168812E+21	6,168805E+21	8,243063E+21	1,182103E+22

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	1,588216E+22	1,933794E+22	2,132418E+22	2,132384E+22	1,933717E+22	1,588151E+22	1,182083E+22	8,243170E+21	6,169058E+21	6,169151E+21	8,243407E+21	1,182113E+22
1898	1,588177E+22	1,933706E+22	2,132314E+22	2,132331E+22	1,933731E+22	1,588193E+22	1,182135E+22	8,243709E+21	6,169482E+21	6,169340E+21	8,243344E+21	1,182090E+22
1899	1,588158E+22	1,933727E+22	2,132381E+22	2,132403E+22	1,933787E+22	1,588204E+22	1,182112E+22	8,243537E+21	6,169595E+21	6,169767E+21	8,243993E+21	1,182162E+22
1900	1,588210E+22	1,933723E+22	2,132305E+22	2,132266E+22	1,933650E+22	1,588146E+22	1,182116E+22	8,243820E+21	6,169877E+21	6,169922E+21	8,243967E+21	1,182140E+22
1901	1,588169E+22	1,933665E+22	2,132269E+22	2,132292E+22	1,933713E+22	1,588209E+22	1,182172E+22	8,244241E+21	6,170173E+21	6,170077E+21	8,243966E+21	1,182133E+22
1902	1,588187E+22	1,933727E+22	2,132333E+22	2,132323E+22	1,933699E+22	1,588159E+22	1,182130E+22	8,244142E+21	6,170352E+21	6,170466E+21	8,244429E+21	1,182167E+22
1903	1,588186E+22	1,933684E+22	2,132249E+22	2,132207E+22	1,933623E+22	1,588155E+22	1,182159E+22	8,244501E+21	6,170585E+21	6,170450E+21	8,244157E+21	1,182117E+22
1904	1,588116E+22	1,933625E+22	2,132275E+22	2,132325E+22	1,933740E+22	1,588218E+22	1,182175E+22	8,244430E+21	6,170538E+21	6,170505E+21	8,244312E+21	1,182150E+22
1905	1,588179E+22	1,933688E+22	2,132278E+22	2,132273E+22	1,933660E+22	1,588144E+22	1,182127E+22	8,244153E+21	6,170391E+21	6,170528E+21	8,244508E+21	1,182170E+22
1906	1,588171E+22	1,933640E+22	2,132198E+22	2,132198E+22	1,933647E+22	1,588177E+22	1,182169E+22	8,244427E+21	6,170365E+21	6,170173E+21	8,243950E+21	1,182116E+22
1907	1,588146E+22	1,933677E+22	2,132310E+22	2,132326E+22	1,933734E+22	1,588205E+22	1,182145E+22	8,243997E+21	6,170043E+21	6,170082E+21	8,244104E+21	1,182160E+22
1908	1,588212E+22	1,933732E+22	2,132321E+22	2,132278E+22	1,933636E+22	1,588125E+22	1,182106E+22	8,243764E+21	6,169797E+21	6,169807E+21	8,243815E+21	1,182125E+22
1909	1,588169E+22	1,933684E+22	2,132295E+22	2,132322E+22	1,933725E+22	1,588191E+22	1,182138E+22	8,243824E+21	6,169639E+21	6,169495E+21	8,243454E+21	1,182094E+22
1910	1,588166E+22	1,933742E+22	2,132391E+22	2,132405E+22	1,933778E+22	1,588189E+22	1,182095E+22	8,243364E+21	6,169375E+21	6,169511E+21	8,243749E+21	1,182142E+22
1911	1,588200E+22	1,933733E+22	2,132337E+22	2,132301E+22	1,933687E+22	1,588174E+22	1,182111E+22	8,243434E+21	6,169261E+21	6,169207E+21	8,243314E+21	1,182095E+22
1912	1,588150E+22	1,933679E+22	2,132336E+22	2,132391E+22	1,933793E+22	1,588242E+22	1,182147E+22	8,243541E+21	6,169242E+21	6,169145E+21	8,243231E+21	1,182102E+22
1913	1,588208E+22	1,933774E+22	2,132382E+22	2,132372E+22	1,933734E+22	1,588167E+22	1,182093E+22	8,243302E+21	6,169244E+21	6,169363E+21	8,243597E+21	1,182129E+22
1914	1,588198E+22	1,933731E+22	2,132307E+22	2,132271E+22	1,933674E+22	1,588169E+22	1,182129E+22	8,243760E+21	6,169552E+21	6,169376E+21	8,243319E+21	1,182078E+22
1915	1,588135E+22	1,933695E+22	2,132360E+22	2,132385E+22	1,933770E+22	1,588215E+22	1,182133E+22	8,243721E+21	6,169685E+21	6,169717E+21	8,243785E+21	1,182134E+22
1916	1,588192E+22	1,933724E+22	2,132339E+22	2,132319E+22	1,933666E+22	1,588127E+22	1,182093E+22	8,243678E+21	6,169850E+21	6,169996E+21	8,244086E+21	1,182147E+22
1917	1,588167E+22	1,933647E+22	2,132228E+22	2,132253E+22	1,933684E+22	1,588181E+22	1,182155E+22	8,244223E+21	6,170211E+21	6,170127E+21	8,244003E+21	1,182123E+22
1918	1,588151E+22	1,933676E+22	2,132289E+22	2,132302E+22	1,933715E+22	1,588187E+22	1,182143E+22	8,244213E+21	6,170445E+21	6,170577E+21	8,244567E+21	1,182185E+22
1919	1,588201E+22	1,933688E+22	2,132245E+22	2,132184E+22	1,933580E+22	1,588126E+22	1,182148E+22	8,244530E+21	6,170771E+21	6,170750E+21	8,244480E+21	1,182145E+22
1920	1,588133E+22	1,933603E+22	2,132201E+22	2,132234E+22	1,933667E+22	1,588193E+22	1,182200E+22	8,244949E+21	6,171101E+21	6,170951E+21	8,244490E+21	1,182135E+22
1921	1,588151E+22	1,933665E+22	2,132254E+22	2,132250E+22	1,933647E+22	1,588139E+22	1,182146E+22	8,244703E+21	6,171188E+21	6,171342E+21	8,245098E+21	1,182189E+22
1922	1,588154E+22	1,933612E+22	2,132162E+22	2,132134E+22	1,933573E+22	1,588134E+22	1,182177E+22	8,245057E+21	6,171365E+21	6,171247E+21	8,244783E+21	1,182144E+22
1923	1,588096E+22	1,933553E+22	2,132170E+22	2,132231E+22	1,933682E+22	1,588206E+22	1,182202E+22	8,244999E+21	6,171271E+21	6,171247E+21	8,244904E+21	1,182180E+22
1924	1,588170E+22	1,933638E+22	2,132206E+22	2,132199E+22	1,933597E+22	1,588114E+22	1,182141E+22	8,244647E+21	6,171059E+21	6,171178E+21	8,244980E+21	1,182190E+22
1925	1,588165E+22	1,933610E+22	2,132144E+22	2,132138E+22	1,933597E+22	1,588154E+22	1,182181E+22	8,244849E+21	6,170975E+21	6,170813E+21	8,244442E+21	1,182132E+22
1926	1,588128E+22	1,933639E+22	2,132256E+22	2,132262E+22	1,933675E+22	1,588180E+22	1,182160E+22	8,244489E+21	6,170725E+21	6,170767E+21	8,244604E+21	1,182174E+22
1927	1,588189E+22	1,933687E+22	2,132270E+22	2,132228E+22	1,933596E+22	1,588111E+22	1,182121E+22	8,244240E+21	6,170475E+21	6,170490E+21	8,244308E+21	1,182138E+22
1928	1,588138E+22	1,933616E+22	2,132216E+22	2,132269E+22	1,933703E+22	1,588194E+22	1,182163E+22	8,244316E+21	6,170321E+21	6,170178E+21	8,243921E+21	1,182111E+22
1929	1,588155E+22	1,933693E+22	2,132303E+22	2,132316E+22	1,933721E+22	1,588178E+22	1,182117E+22	8,243842E+21	6,170031E+21	6,170193E+21	8,244279E+21	1,182167E+22
1930	1,588194E+22	1,933694E+22	2,132266E+22	2,132221E+22	1,933618E+22	1,588143E+22	1,182131E+22	8,244027E+21	6,170006E+21	6,169899E+21	8,243790E+21	1,182110E+22
1931	1,588134E+22	1,933635E+22	2,132259E+22	2,132305E+22	1,933722E+22	1,588214E+22	1,182170E+22	8,244164E+21	6,170061E+21	6,169940E+21	8,243780E+21	1,182114E+22
1932	1,588175E+22	1,933718E+22	2,132328E+22	2,132319E+22	1,933673E+22	1,588130E+22	1,182102E+22	8,243843E+21	6,170039E+21	6,170174E+21	8,244183E+21	1,182144E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1933	1,588167E+22	1,933669E+22	2,132238E+22	2,132218E+22	1,933637E+22	1,588149E+22	1,182138E+22	8,244230E+21	6,170297E+21	6,170209E+21	8,244013E+21	1,182105E+22
1934	1,588106E+22	1,933623E+22	2,132261E+22	2,132293E+22	1,933712E+22	1,588203E+22	1,182160E+22	8,244314E+21	6,170504E+21	6,170569E+21	8,244469E+21	1,182168E+22
1935	1,588181E+22	1,933669E+22	2,132251E+22	2,132227E+22	1,933606E+22	1,588118E+22	1,182126E+22	8,244339E+21	6,170690E+21	6,170815E+21	8,244678E+21	1,182171E+22
1936	1,588153E+22	1,933593E+22	2,132141E+22	2,132171E+22	1,933631E+22	1,588170E+22	1,182188E+22	8,244935E+21	6,171113E+21	6,170961E+21	8,244517E+21	1,182137E+22
1937	1,588140E+22	1,933637E+22	2,132214E+22	2,132211E+22	1,933642E+22	1,588161E+22	1,182167E+22	8,244868E+21	6,171340E+21	6,171466E+21	8,245194E+21	1,182203E+22
1938	1,588176E+22	1,933639E+22	2,132187E+22	2,132125E+22	1,933517E+22	1,588089E+22	1,182167E+22	8,245206E+21	6,171676E+21	6,171634E+21	8,245115E+21	1,182162E+22
1939	1,588097E+22	1,933528E+22	2,132110E+22	2,132160E+22	1,933619E+22	1,588174E+22	1,182221E+22	8,245574E+21	6,171979E+21	6,171858E+21	8,245198E+21	1,182161E+22
1940	1,588115E+22	1,933585E+22	2,132169E+22	2,132183E+22	1,933601E+22	1,588123E+22	1,182163E+22	8,245207E+21	6,171929E+21	6,172130E+21	8,245736E+21	1,182221E+22
1941	1,588143E+22	1,933555E+22	2,132074E+22	2,132054E+22	1,933521E+22	1,588120E+22	1,182196E+22	8,245509E+21	6,172003E+21	6,171946E+21	8,245374E+21	1,182174E+22
1942	1,588089E+22	1,933508E+22	2,132081E+22	2,132125E+22	1,933603E+22	1,588181E+22	1,182227E+22	8,245577E+21	6,171996E+21	6,171935E+21	8,245396E+21	1,182201E+22
1943	1,588165E+22	1,933612E+22	2,132153E+22	2,132126E+22	1,933535E+22	1,588091E+22	1,182159E+22	8,245186E+21	6,171774E+21	6,171850E+21	8,245405E+21	1,182196E+22
1944	1,588139E+22	1,933565E+22	2,132092E+22	2,132094E+22	1,933561E+22	1,588134E+22	1,182194E+22	8,245347E+21	6,171682E+21	6,171493E+21	8,244858E+21	1,182138E+22
1945	1,588104E+22	1,933592E+22	2,132191E+22	2,132203E+22	1,933633E+22	1,588160E+22	1,182170E+22	8,244903E+21	6,171369E+21	6,171458E+21	8,245149E+21	1,182196E+22
1946	1,588167E+22	1,933632E+22	2,132204E+22	2,132175E+22	1,933556E+22	1,588093E+22	1,182139E+22	8,244712E+21	6,171102E+21	6,171121E+21	8,244795E+21	1,182158E+22
1947	1,588119E+22	1,933557E+22	2,132126E+22	2,132188E+22	1,933654E+22	1,588186E+22	1,182192E+22	8,244866E+21	6,171000E+21	6,170844E+21	8,244415E+21	1,182128E+22
1948	1,588133E+22	1,933644E+22	2,132239E+22	2,132249E+22	1,933664E+22	1,588156E+22	1,182137E+22	8,244363E+21	6,170716E+21	6,170851E+21	8,244724E+21	1,182179E+22
1949	1,588176E+22	1,933655E+22	2,132207E+22	2,132157E+22	1,933567E+22	1,588121E+22	1,182148E+22	8,244520E+21	6,170710E+21	6,170643E+21	8,244352E+21	1,182125E+22
1950	1,588106E+22	1,933580E+22	2,132185E+22	2,132226E+22	1,933656E+22	1,588185E+22	1,182191E+22	8,244783E+21	6,170895E+21	6,170777E+21	8,244420E+21	1,182138E+22
1951	1,588150E+22	1,933658E+22	2,132251E+22	2,132249E+22	1,933627E+22	1,588112E+22	1,182120E+22	8,244425E+21	6,170877E+21	6,171032E+21	8,244845E+21	1,182172E+22
1952	1,588142E+22	1,933596E+22	2,132144E+22	2,132144E+22	1,933598E+22	1,588142E+22	1,182164E+22	8,244813E+21	6,171120E+21	6,171047E+21	8,244633E+21	1,182136E+22
1953	1,588105E+22	1,933575E+22	2,132168E+22	2,132189E+22	1,933637E+22	1,588179E+22	1,182184E+22	8,244906E+21	6,171313E+21	6,171403E+21	8,245127E+21	1,182201E+22
1954	1,588178E+22	1,933632E+22	2,132181E+22	2,132145E+22	1,933531E+22	1,588082E+22	1,182150E+22	8,245026E+21	6,171564E+21	6,171639E+21	8,245242E+21	1,182188E+22
1955	1,588133E+22	1,933546E+22	2,132069E+22	2,132091E+22	1,933567E+22	1,588146E+22	1,182215E+22	8,245632E+21	6,172040E+21	6,171869E+21	8,245138E+21	1,182148E+22
1956	1,588098E+22	1,933572E+22	2,132156E+22	2,132159E+22	1,933590E+22	1,588131E+22	1,182182E+22	8,245465E+21	6,172200E+21	6,172337E+21	8,245816E+21	1,182217E+22
1957	1,588138E+22	1,933564E+22	2,132103E+22	2,132065E+22	1,933486E+22	1,588079E+22	1,182185E+22	8,245725E+21	6,172456E+21	6,172492E+21	8,245815E+21	1,182188E+22
1958	1,588065E+22	1,933447E+22	2,132000E+22	2,132058E+22	1,933560E+22	1,588165E+22	1,182253E+22	8,246195E+21	6,172776E+21	6,172667E+21	8,245850E+21	1,182195E+22
1959	1,588102E+22	1,933523E+22	2,132070E+22	2,132083E+22	1,933539E+22	1,588109E+22	1,182193E+22	8,245831E+21	6,172701E+21	6,172864E+21	8,246266E+21	1,182243E+22
1960	1,588131E+22	1,933506E+22	2,131993E+22	2,131970E+22	1,933465E+22	1,588103E+22	1,182222E+22	8,246105E+21	6,172766E+21	6,172648E+21	8,245814E+21	1,182189E+22
1961	1,588085E+22	1,933483E+22	2,132024E+22	2,132041E+22	1,933526E+22	1,588143E+22	1,182239E+22	8,246081E+21	6,172715E+21	6,172666E+21	8,245927E+21	1,182219E+22
1962	1,588148E+22	1,933578E+22	2,132113E+22	2,132081E+22	1,933481E+22	1,588050E+22	1,182167E+22	8,245694E+21	6,172475E+21	6,172544E+21	8,245908E+21	1,182210E+22
1963	1,588112E+22	1,933509E+22	2,132026E+22	2,132041E+22	1,933530E+22	1,588120E+22	1,182207E+22	8,245798E+21	6,172354E+21	6,172201E+21	8,245410E+21	1,182158E+22
1964	1,588074E+22	1,933529E+22	2,132127E+22	2,132150E+22	1,933599E+22	1,588150E+22	1,182186E+22	8,245299E+21	6,171942E+21	6,172063E+21	8,245622E+21	1,182217E+22
1965	1,588155E+22	1,933584E+22	2,132133E+22	2,132110E+22	1,933519E+22	1,588085E+22	1,182162E+22	8,245139E+21	6,171670E+21	6,171722E+21	8,245263E+21	1,182175E+22
1966	1,588103E+22	1,933513E+22	2,132050E+22	2,132093E+22	1,933585E+22	1,588165E+22	1,182221E+22	8,245474E+21	6,171732E+21	6,171525E+21	8,244883E+21	1,182142E+22
1967	1,588111E+22	1,933599E+22	2,132176E+22	2,132177E+22	1,933610E+22	1,588135E+22	1,182159E+22	8,244966E+21	6,171506E+21	6,171602E+21	8,245214E+21	1,182185E+22
1968	1,588140E+22	1,933593E+22	2,132138E+22	2,132101E+22	1,933530E+22	1,588103E+22	1,182166E+22	8,245093E+21	6,171522E+21	6,171449E+21	8,244911E+21	1,182143E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1969	1,588084E+22	1,933519E+22	2,132100E+22	2,132141E+22	1,933597E+22	1,588159E+22	1,182204E+22	8,245302E+21	6,171684E+21	6,171630E+21	8,245128E+21	1,182175E+22
1970	1,588138E+22	1,933600E+22	2,132170E+22	2,132171E+22	1,933568E+22	1,588086E+22	1,182142E+22	8,245017E+21	6,171656E+21	6,171825E+21	8,245480E+21	1,182205E+22
1971	1,588134E+22	1,933543E+22	2,132052E+22	2,132049E+22	1,933535E+22	1,588122E+22	1,182191E+22	8,245451E+21	6,171947E+21	6,171868E+21	8,245248E+21	1,182161E+22
1972	1,588087E+22	1,933529E+22	2,132106E+22	2,132115E+22	1,933574E+22	1,588152E+22	1,182204E+22	8,245508E+21	6,172124E+21	6,172193E+21	8,245674E+21	1,182217E+22
1973	1,588159E+22	1,933591E+22	2,132124E+22	2,132083E+22	1,933482E+22	1,588060E+22	1,182169E+22	8,245593E+21	6,172377E+21	6,172488E+21	8,245858E+21	1,182200E+22
1974	1,588094E+22	1,933480E+22	2,131989E+22	2,132009E+22	1,933506E+22	1,588123E+22	1,182243E+22	8,246334E+21	6,172961E+21	6,172780E+21	8,245819E+21	1,182171E+22
1975	1,588062E+22	1,933493E+22	2,132061E+22	2,132082E+22	1,933553E+22	1,588124E+22	1,182208E+22	8,246111E+21	6,173083E+21	6,173218E+21	8,246471E+21	1,182241E+22
1976	1,588109E+22	1,933484E+22	2,131996E+22	2,131975E+22	1,933442E+22	1,588075E+22	1,182217E+22	8,246355E+21	6,173283E+21	6,173303E+21	8,246413E+21	1,182220E+22
1977	1,588064E+22	1,933397E+22	2,131901E+22	2,131941E+22	1,933472E+22	1,588132E+22	1,182276E+22	8,246802E+21	6,173570E+21	6,173454E+21	8,246463E+21	1,182228E+22
1978	1,588102E+22	1,933491E+22	2,132009E+22	2,131998E+22	1,933457E+22	1,588064E+22	1,182209E+22	8,246447E+21	6,173481E+21	6,173594E+21	8,246762E+21	1,182259E+22
1979	1,588114E+22	1,933467E+22	2,131939E+22	2,131903E+22	1,933404E+22	1,588070E+22	1,182234E+22	8,246642E+21	6,173529E+21	6,173410E+21	8,246343E+21	1,182198E+22
1980	1,588049E+22	1,933433E+22	2,131988E+22	2,132007E+22	1,933487E+22	1,588112E+22	1,182241E+22	8,246490E+21	6,173364E+21	6,173346E+21	8,246428E+21	1,182232E+22
1981	1,588119E+22	1,933521E+22	2,132053E+22	2,132039E+22	1,933467E+22	1,588046E+22	1,182179E+22	8,246041E+21	6,173049E+21	6,173196E+21	8,246427E+21	1,182227E+22
1982	1,588084E+22	1,933443E+22	2,131941E+22	2,131960E+22	1,933488E+22	1,588119E+22	1,182239E+22	8,246332E+21	6,173001E+21	6,172836E+21	8,245901E+21	1,182181E+22
1983	1,588059E+22	1,933471E+22	2,132042E+22	2,132072E+22	1,933560E+22	1,588146E+22	1,182216E+22	8,245879E+21	6,172629E+21	6,172684E+21	8,246023E+21	1,182227E+22
1984	1,588134E+22	1,933533E+22	2,132058E+22	2,132035E+22	1,933476E+22	1,588077E+22	1,182191E+22	8,245738E+21	6,172409E+21	6,172393E+21	8,245686E+21	1,182189E+22
1985	1,588091E+22	1,933473E+22	2,131985E+22	2,132004E+22	1,933507E+22	1,588129E+22	1,182237E+22	8,246031E+21	6,172501E+21	6,172312E+21	8,245487E+21	1,182166E+22
1986	1,588093E+22	1,933549E+22	2,132118E+22	2,132114E+22	1,933548E+22	1,588093E+22	1,182170E+22	8,245537E+21	6,172291E+21	6,172403E+21	8,245841E+21	1,182212E+22
1987	1,588118E+22	1,933529E+22	2,132057E+22	2,132028E+22	1,933486E+22	1,588085E+22	1,182179E+22	8,245598E+21	6,172297E+21	6,172286E+21	8,245603E+21	1,182177E+22
1988	1,588066E+22	1,933464E+22	2,132031E+22	2,132068E+22	1,933542E+22	1,588133E+22	1,182215E+22	8,245756E+21	6,172367E+21	6,172362E+21	8,245718E+21	1,182207E+22
1989	1,588137E+22	1,933560E+22	2,132097E+22	2,132091E+22	1,933515E+22	1,588068E+22	1,182161E+22	8,245523E+21	6,172366E+21	6,172557E+21	8,246017E+21	1,182224E+22
1990	1,588120E+22	1,933501E+22	2,131983E+22	2,131959E+22	1,933465E+22	1,588098E+22	1,182221E+22	8,246142E+21	6,172808E+21	6,172669E+21	8,245780E+21	1,182174E+22
1991	1,588059E+22	1,933474E+22	2,132037E+22	2,132048E+22	1,933527E+22	1,588132E+22	1,182230E+22	8,246208E+21	6,173035E+21	6,173051E+21	8,246208E+21	1,182220E+22
1992	1,588111E+22	1,933513E+22	2,132045E+22	2,132021E+22	1,933451E+22	1,588053E+22	1,182199E+22	8,246289E+21	6,173298E+21	6,173378E+21	8,246473E+21	1,182219E+22
1993	1,588062E+22	1,933401E+22	2,131889E+22	2,131909E+22	1,933441E+22	1,588104E+22	1,182268E+22	8,246970E+21	6,173848E+21	6,173710E+21	8,246567E+21	1,182207E+22
1994	1,588043E+22	1,933419E+22	2,131962E+22	2,131984E+22	1,933482E+22	1,588099E+22	1,182238E+22	8,246793E+21	6,173934E+21	6,174062E+21	8,247116E+21	1,182273E+22
1995	1,588098E+22	1,933424E+22	2,131898E+22	2,131872E+22	1,933373E+22	1,588051E+22	1,182241E+22	8,246999E+21	6,174131E+21	6,174138E+21	8,247032E+21	1,182245E+22
1996	1,588049E+22	1,933357E+22	2,131844E+22	2,131863E+22	1,933400E+22	1,588092E+22	1,182284E+22	8,247319E+21	6,174316E+21	6,174201E+21	8,246995E+21	1,182247E+22
1997	1,588091E+22	1,933459E+22	2,131963E+22	2,131943E+22	1,933408E+22	1,588036E+22	1,182218E+22	8,246893E+21	6,174173E+21	6,174335E+21	8,247302E+21	1,182272E+22
1998	1,588086E+22	1,933414E+22	2,131882E+22	2,131846E+22	1,933360E+22	1,588049E+22	1,182250E+22	8,247168E+21	6,174254E+21	6,174143E+21	8,246903E+21	1,182220E+22
1999	1,588023E+22	1,933367E+22	2,131912E+22	2,131954E+22	1,933470E+22	1,588114E+22	1,182261E+22	8,246968E+21	6,174031E+21	6,174013E+21	8,246910E+21	1,182249E+22
2000	1,588096E+22	1,933457E+22	2,131969E+22	2,131972E+22	1,933442E+22	1,588056E+22	1,182211E+22	8,246560E+21	6,173686E+21	6,173797E+21	8,246854E+21	1,182249E+22
2001	1,588080E+22	1,933399E+22	2,131860E+22	2,131859E+22	1,933414E+22	1,588097E+22	1,182263E+22	8,246887E+21	6,173690E+21	6,173502E+21	8,246391E+21	1,182203E+22
2002	1,588053E+22	1,933434E+22	2,131983E+22	2,131996E+22	1,933488E+22	1,588111E+22	1,182236E+22	8,246477E+21	6,173366E+21	6,173370E+21	8,246471E+21	1,182237E+22
2003	1,588111E+22	1,933485E+22	2,131997E+22	2,131967E+22	1,933417E+22	1,588046E+22	1,182202E+22	8,246277E+21	6,173183E+21	6,173177E+21	8,246252E+21	1,182202E+22
2004	1,588056E+22	1,933418E+22	2,131936E+22	2,131953E+22	1,933457E+22	1,588093E+22	1,182236E+22	8,246448E+21	6,173181E+21	6,173046E+21	8,246074E+21	1,182192E+22

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												
2005	1,588076E+22	1,933495E+22	2,132050E+22	2,132054E+22	1,933512E+22	1,588079E+22	1,182179E+22	8,245911E+21	6,172922E+21	6,173120E+21	8,246425E+21	1,182238E+22
2006	1,588102E+22	1,933470E+22	2,131972E+22	2,131940E+22	1,933427E+22	1,588070E+22	1,182206E+22	8,246165E+21	6,173017E+21	6,173003E+21	8,246151E+21	1,182204E+22
2007	1,588057E+22	1,933413E+22	2,131950E+22	2,131990E+22	1,933498E+22	1,588124E+22	1,182242E+22	8,246376E+21	6,173148E+21	6,173077E+21	8,246163E+21	1,182216E+22
2008	1,588115E+22	1,933512E+22	2,132029E+22	2,132018E+22	1,933472E+22	1,588062E+22	1,182193E+22	8,246202E+21	6,173219E+21	6,173333E+21	8,246500E+21	1,182235E+22
2009	1,588097E+22	1,933448E+22	2,131914E+22	2,131873E+22	1,933391E+22	1,588067E+22	1,182245E+22	8,246848E+21	6,173747E+21	6,173602E+21	8,246460E+21	1,182196E+22
2010	1,588027E+22	1,933401E+22	2,131959E+22	2,131979E+22	1,933469E+22	1,588102E+22	1,182253E+22	8,246924E+21	6,173985E+21	6,173997E+21	8,246911E+21	1,182244E+22
2011	1,588076E+22	1,933425E+22	2,131938E+22	2,131931E+22	1,933400E+22	1,588041E+22	1,182224E+22	8,246936E+21	6,174222E+21	6,174351E+21	8,247249E+21	1,182252E+22
2012	1,588038E+22	1,933332E+22	2,131800E+22	2,131811E+22	1,933368E+22	1,588075E+22	1,182285E+22	8,247528E+21	6,174637E+21	6,174538E+21	8,247241E+21	1,182245E+22
2013	1,588044E+22	1,933376E+22	2,131879E+22	2,131890E+22	1,933410E+22	1,588070E+22	1,182254E+22	8,247326E+21	6,174701E+21	6,174851E+21	8,247690E+21	1,182295E+22
2014	1,588086E+22	1,933384E+22	2,131831E+22	2,131784E+22	1,933297E+22	1,588019E+22	1,182261E+22	8,247621E+21	6,174954E+21	6,174935E+21	8,247580E+21	1,182262E+22
2015	1,588030E+22	1,933310E+22	2,131785E+22	2,131812E+22	1,933362E+22	1,588070E+22	1,182296E+22	8,247867E+21	6,175096E+21	6,174957E+21	8,247487E+21	1,182254E+22
2016	1,588056E+22	1,933397E+22	2,131898E+22	2,131898E+22	1,933391E+22	1,588037E+22	1,182240E+22	8,247427E+21	6,174903E+21	6,175039E+21	8,247810E+21	1,182292E+22
2017	1,588063E+22	1,933349E+22	2,131802E+22	2,131770E+22	1,933311E+22	1,588040E+22	1,182274E+22	8,247684E+21	6,174952E+21	6,174867E+21	8,247481E+21	1,182249E+22
2018	1,588011E+22	1,933308E+22	2,131830E+22	2,131876E+22	1,933412E+22	1,588099E+22	1,182292E+22	8,247559E+21	6,174718E+21	6,174663E+21	8,247368E+21	1,182266E+22
2019	1,588080E+22	1,933404E+22	2,131886E+22	2,131887E+22	1,933387E+22	1,588045E+22	1,182237E+22	8,247137E+21	6,174416E+21	6,174496E+21	8,247334E+21	1,182261E+22
2020	1,588058E+22	1,933364E+22	2,131814E+22	2,131789E+22	1,933343E+22	1,588061E+22	1,182271E+22	8,247337E+21	6,174347E+21	6,174166E+21	8,246866E+21	1,182218E+22
2021	1,588038E+22	1,933397E+22	2,131931E+22	2,131937E+22	1,933433E+22	1,588080E+22	1,182240E+22	8,246888E+21	6,174029E+21	6,174083E+21	8,246992E+21	1,182251E+22
2022	1,588083E+22	1,933428E+22	2,131931E+22	2,131905E+22	1,933369E+22	1,588023E+22	1,182213E+22	8,246759E+21	6,173891E+21	6,173918E+21	8,246844E+21	1,182230E+22
2023	1,588041E+22	1,933356E+22	2,131853E+22	2,131894E+22	1,933430E+22	1,588084E+22	1,182248E+22	8,246891E+21	6,173851E+21	6,173736E+21	8,246594E+21	1,182215E+22
2024	1,588063E+22	1,933441E+22	2,131969E+22	2,131980E+22	1,933474E+22	1,588080E+22	1,182210E+22	8,246470E+21	6,173610E+21	6,173767E+21	8,246897E+21	1,182263E+22
2025	1,588100E+22	1,933430E+22	2,131900E+22	2,131846E+22	1,933349E+22	1,588043E+22	1,182231E+22	8,246790E+21	6,173813E+21	6,173765E+21	8,246686E+21	1,182223E+22
2026	1,588044E+22	1,933371E+22	2,131891E+22	2,131917E+22	1,933427E+22	1,588094E+22	1,182269E+22	8,247072E+21	6,174028E+21	6,173904E+21	8,246680E+21	1,182220E+22
2027	1,588076E+22	1,933447E+22	2,131955E+22	2,131951E+22	1,933422E+22	1,588044E+22	1,182217E+22	8,246879E+21	6,174163E+21	6,174286E+21	8,247166E+21	1,182246E+22
2028	1,588049E+22	1,933372E+22	2,131840E+22	2,131806E+22	1,933336E+22	1,588041E+22	1,182258E+22	8,247416E+21	6,174605E+21	6,174514E+21	8,247184E+21	1,182227E+22
2029	1,588005E+22	1,933325E+22	2,131857E+22	2,131893E+22	1,933419E+22	1,588091E+22	1,182273E+22	8,247470E+21	6,174805E+21	6,174882E+21	8,247610E+21	1,182276E+22
2030	1,588059E+22	1,933354E+22	2,131832E+22	2,131824E+22	1,933326E+22	1,588021E+22	1,182255E+22	8,247615E+21	6,175081E+21	6,175202E+21	8,247916E+21	1,182288E+22
2031	1,588035E+22	1,933279E+22	2,131707E+22	2,131724E+22	1,933310E+22	1,588052E+22	1,182306E+22	8,248155E+21	6,175470E+21	6,175329E+21	8,247776E+21	1,182263E+22
2032	1,588031E+22	1,933337E+22	2,131816E+22	2,131814E+22	1,933354E+22	1,588055E+22	1,182280E+22	8,247955E+21	6,175513E+21	6,175611E+21	8,248216E+21	1,182314E+22
2033	1,588071E+22	1,933340E+22	2,131773E+22	2,131712E+22	1,933226E+22	1,587985E+22	1,182277E+22	8,248219E+21	6,175785E+21	6,175774E+21	8,248209E+21	1,182286E+22
2034	1,588009E+22	1,933256E+22	2,131723E+22	2,131760E+22	1,933318E+22	1,588050E+22	1,182315E+22	8,248433E+21	6,175878E+21	6,175744E+21	8,248059E+21	1,182272E+22
2035	1,588028E+22	1,933328E+22	2,131811E+22	2,131826E+22	1,933355E+22	1,588037E+22	1,182265E+22	8,247953E+21	6,175640E+21	6,175804E+21	8,248386E+21	1,182311E+22
2036	1,588041E+22	1,933297E+22	2,131730E+22	2,131692E+22	1,933249E+22	1,588019E+22	1,182292E+22	8,248155E+21	6,175582E+21	6,175502E+21	8,247969E+21	1,182273E+22
2037	1,588008E+22	1,933271E+22	2,131760E+22	2,131799E+22	1,933353E+22	1,588075E+22	1,182306E+22	8,248016E+21	6,175360E+21	6,175297E+21	8,247776E+21	1,182272E+22
2038	1,588056E+22	1,933358E+22	2,131824E+22	2,131813E+22	1,933318E+22	1,588013E+22	1,182254E+22	8,247674E+21	6,175129E+21	6,175187E+21	8,247805E+21	1,182271E+22
2039	1,588031E+22	1,933310E+22	2,131751E+22	2,131745E+22	1,933308E+22	1,588036E+22	1,182277E+22	8,247791E+21	6,175029E+21	6,174849E+21	8,247337E+21	1,182226E+22
2040	1,588006E+22	1,933339E+22	2,131864E+22	2,131885E+22	1,933407E+22	1,588077E+22	1,182258E+22	8,247347E+21	6,174682E+21	6,174740E+21	8,247513E+21	1,182277E+22

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												
2041	1,588068E+22	1,933369E+22	2,131848E+22	2,131824E+22	1,933312E+22	1,588008E+22	1,182233E+22	8,247254E+21	6,174580E+21	6,174639E+21	8,247435E+21	1,182263E+22
2042	1,588038E+22	1,933308E+22	2,131776E+22	2,131819E+22	1,933371E+22	1,588066E+22	1,182276E+22	8,247468E+21	6,174573E+21	6,174429E+21	8,247078E+21	1,182232E+22
2043	1,588049E+22	1,933393E+22	2,131891E+22	2,131899E+22	1,933418E+22	1,588069E+22	1,182237E+22	8,247092E+21	6,174426E+21	6,174554E+21	8,247422E+21	1,182272E+22
2044	1,588073E+22	1,933391E+22	2,131850E+22	2,131779E+22	1,933280E+22	1,588011E+22	1,182246E+22	8,247354E+21	6,174608E+21	6,174571E+21	8,247270E+21	1,182241E+22
2045	1,588021E+22	1,933319E+22	2,131824E+22	2,131855E+22	1,933374E+22	1,588068E+22	1,182283E+22	8,247636E+21	6,174872E+21	6,174787E+21	8,247320E+21	1,182235E+22
2046	1,588036E+22	1,933367E+22	2,131864E+22	2,131874E+22	1,933370E+22	1,588028E+22	1,182241E+22	8,247516E+21	6,175058E+21	6,175214E+21	8,247905E+21	1,182280E+22
2047	1,588028E+22	1,933293E+22	2,131731E+22	2,131724E+22	1,933294E+22	1,588031E+22	1,182280E+22	8,248002E+21	6,175435E+21	6,175368E+21	8,247842E+21	1,182259E+22
2048	1,587996E+22	1,933268E+22	2,131757E+22	2,131791E+22	1,933356E+22	1,588082E+22	1,182309E+22	8,248137E+21	6,175625E+21	6,175660E+21	8,248208E+21	1,182310E+22
2049	1,588060E+22	1,933314E+22	2,131750E+22	2,131718E+22	1,933234E+22	1,587983E+22	1,182277E+22	8,248295E+21	6,175973E+21	6,176061E+21	8,248536E+21	1,182315E+22
2050	1,588028E+22	1,933245E+22	2,131651E+22	2,131651E+22	1,933232E+22	1,588013E+22	1,182325E+22	8,248804E+21	6,176351E+21	6,176180E+21	8,248333E+21	1,182272E+22
2051	1,587998E+22	1,933280E+22	2,131751E+22	2,131757E+22	1,933308E+22	1,588036E+22	1,182300E+22	8,248569E+21	6,176388E+21	6,176499E+21	8,248843E+21	1,182324E+22
2052	1,588030E+22	1,933279E+22	2,131713E+22	2,131660E+22	1,933183E+22	1,587964E+22	1,182288E+22	8,248681E+21	6,176503E+21	6,176543E+21	8,248816E+21	1,182310E+22
2053	1,587987E+22	1,933192E+22	2,131638E+22	2,131689E+22	1,933278E+22	1,588043E+22	1,182335E+22	8,248901E+21	6,176554E+21	6,176450E+21	8,248570E+21	1,182287E+22
2054	1,588002E+22	1,933264E+22	2,131720E+22	2,131740E+22	1,933299E+22	1,588028E+22	1,182297E+22	8,248540E+21	6,176347E+21	6,176476E+21	8,248869E+21	1,182330E+22
2055	1,588027E+22	1,933244E+22	2,131647E+22	2,131622E+22	1,933205E+22	1,588001E+22	1,182311E+22	8,248675E+21	6,176267E+21	6,176141E+21	8,248375E+21	1,182280E+22
2056	1,587987E+22	1,933230E+22	2,131696E+22	2,131731E+22	1,933301E+22	1,588061E+22	1,182330E+22	8,248557E+21	6,176040E+21	6,175935E+21	8,248244E+21	1,182289E+22
2057	1,588035E+22	1,933309E+22	2,131761E+22	2,131746E+22	1,933254E+22	1,587977E+22	1,182264E+22	8,248184E+21	6,175857E+21	6,175940E+21	8,248411E+21	1,182298E+22
2058	1,588015E+22	1,933258E+22	2,131686E+22	2,131688E+22	1,933262E+22	1,588015E+22	1,182289E+22	8,248239E+21	6,175709E+21	6,175574E+21	8,247906E+21	1,182251E+22
2059	1,587989E+22	1,933282E+22	2,131782E+22	2,131811E+22	1,933364E+22	1,588072E+22	1,182281E+22	8,247823E+21	6,175361E+21	6,175463E+21	8,248079E+21	1,182299E+22
2060	1,588057E+22	1,933335E+22	2,131786E+22	2,131748E+22	1,933248E+22	1,587981E+22	1,182248E+22	8,247702E+21	6,175203E+21	6,175276E+21	8,247925E+21	1,182287E+22
2061	1,588038E+22	1,933283E+22	2,131717E+22	2,131748E+22	1,933313E+22	1,588042E+22	1,182290E+22	8,247974E+21	6,175288E+21	6,175126E+21	8,247510E+21	1,182235E+22
2062	1,588019E+22	1,933345E+22	2,131830E+22	2,131833E+22	1,933359E+22	1,588045E+22	1,182261E+22	8,247715E+21	6,175249E+21	6,175353E+21	8,247965E+21	1,182282E+22
2063	1,588037E+22	1,933321E+22	2,131772E+22	2,131732E+22	1,933251E+22	1,587993E+22	1,182264E+22	8,247937E+21	6,175438E+21	6,175403E+21	8,247860E+21	1,182254E+22
2064	1,587984E+22	1,933246E+22	2,131732E+22	2,131781E+22	1,933338E+22	1,588069E+22	1,182315E+22	8,248261E+21	6,175689E+21	6,175608E+21	8,247992E+21	1,182269E+22
2065	1,588014E+22	1,933291E+22	2,131756E+22	2,131768E+22	1,933295E+22	1,588007E+22	1,182272E+22	8,248194E+21	6,175940E+21	6,176112E+21	8,248634E+21	1,182320E+22
2066	1,588024E+22	1,933240E+22	2,131638E+22	2,131626E+22	1,933216E+22	1,588005E+22	1,182311E+22	8,248689E+21	6,176321E+21	6,176228E+21	8,248456E+21	1,182283E+22
2067	1,587983E+22	1,933224E+22	2,131676E+22	2,131696E+22	1,933282E+22	1,588055E+22	1,182333E+22	8,248816E+21	6,176548E+21	6,176565E+21	8,248824E+21	1,182323E+22
2068	1,588035E+22	1,933279E+22	2,131698E+22	2,131646E+22	1,933159E+22	1,587941E+22	1,182287E+22	8,248860E+21	6,176805E+21	6,176914E+21	8,249167E+21	1,182337E+22
2069	1,588008E+22	1,933199E+22	2,131592E+22	2,131599E+22	1,933188E+22	1,587986E+22	1,182332E+22	8,249320E+21	6,177162E+21	6,177023E+21	8,248937E+21	1,182286E+22
2070	1,587960E+22	1,933204E+22	2,131668E+22	2,131692E+22	1,933268E+22	1,588025E+22	1,182323E+22	8,249134E+21	6,177181E+21	6,177319E+21	8,249483E+21	1,182351E+22
2071	1,588006E+22	1,933202E+22	2,131613E+22	2,131594E+22	1,933155E+22	1,587962E+22	1,182315E+22	8,249209E+21	6,177202E+21	6,177244E+21	8,249334E+21	1,182330E+22
2072	1,587972E+22	1,933142E+22	2,131550E+22	2,131600E+22	1,933226E+22	1,588040E+22	1,182371E+22	8,249495E+21	6,177235E+21	6,177076E+21	8,249039E+21	1,182309E+22
2073	1,587987E+22	1,933216E+22	2,131643E+22	2,131645E+22	1,933220E+22	1,587995E+22	1,182319E+22	8,249143E+21	6,177116E+21	6,177207E+21	8,249377E+21	1,182347E+22
2074	1,588010E+22	1,933204E+22	2,131590E+22	2,131555E+22	1,933140E+22	1,587968E+22	1,182326E+22	8,249207E+21	6,177008E+21	6,176875E+21	8,248873E+21	1,182289E+22
2075	1,587956E+22	1,933175E+22	2,131630E+22	2,131670E+22	1,933256E+22	1,588039E+22	1,182343E+22	8,249051E+21	6,176773E+21	6,176703E+21	8,248822E+21	1,182305E+22
2076	1,588007E+22	1,933260E+22	2,131700E+22	2,131685E+22	1,933207E+22	1,587953E+22	1,182270E+22	8,248551E+21	6,176452E+21	6,176604E+21	8,248985E+21	1,182332E+22

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												
2077	1,588012E+22	1,933216E+22	2,131616E+22	2,131621E+22	1,933218E+22	1,587999E+22	1,182301E+22	8,248632E+21	6,176296E+21	6,176188E+21	8,248369E+21	1,182271E+22
2078	1,587976E+22	1,933237E+22	2,131710E+22	2,131736E+22	1,933311E+22	1,588057E+22	1,182307E+22	8,248362E+21	6,176029E+21	6,176099E+21	8,248532E+21	1,182317E+22
2079	1,588045E+22	1,933292E+22	2,131722E+22	2,131694E+22	1,933212E+22	1,587965E+22	1,182268E+22	8,248224E+21	6,175895E+21	6,175930E+21	8,248329E+21	1,182291E+22
2080	1,588012E+22	1,933243E+22	2,131660E+22	2,131685E+22	1,933267E+22	1,588031E+22	1,182321E+22	8,248593E+21	6,176047E+21	6,175850E+21	8,248041E+21	1,182250E+22
2081	1,587982E+22	1,933277E+22	2,131754E+22	2,131763E+22	1,933303E+22	1,588018E+22	1,182283E+22	8,248370E+21	6,176134E+21	6,176244E+21	8,248651E+21	1,182310E+22
2082	1,588012E+22	1,933251E+22	2,131682E+22	2,131654E+22	1,933199E+22	1,587977E+22	1,182288E+22	8,248549E+21	6,176308E+21	6,176305E+21	8,248560E+21	1,182285E+22
2083	1,587962E+22	1,933174E+22	2,131625E+22	2,131677E+22	1,933274E+22	1,588056E+22	1,182347E+22	8,248927E+21	6,176572E+21	6,176514E+21	8,248693E+21	1,182299E+22
2084	1,588003E+22	1,933249E+22	2,131675E+22	2,131666E+22	1,933209E+22	1,587967E+22	1,182287E+22	8,248777E+21	6,176748E+21	6,176930E+21	8,249268E+21	1,182352E+22
2085	1,588022E+22	1,933209E+22	2,131574E+22	2,131541E+22	1,933140E+22	1,587963E+22	1,182319E+22	8,249255E+21	6,177165E+21	6,177062E+21	8,249004E+21	1,182293E+22
2086	1,587953E+22	1,933172E+22	2,131614E+22	2,131629E+22	1,933221E+22	1,588024E+22	1,182352E+22	8,249443E+21	6,177423E+21	6,177442E+21	8,249446E+21	1,182339E+22
2087	1,588000E+22	1,933207E+22	2,131622E+22	2,131604E+22	1,933137E+22	1,587925E+22	1,182302E+22	8,249404E+21	6,177608E+21	6,177731E+21	8,249749E+21	1,182351E+22
2088	1,587973E+22	1,933129E+22	2,131507E+22	2,131530E+22	1,933160E+22	1,587994E+22	1,182367E+22	8,249916E+21	6,177911E+21	6,177772E+21	8,249547E+21	1,182316E+22
2089	1,587933E+22	1,933127E+22	2,131566E+22	2,131598E+22	1,933207E+22	1,588013E+22	1,182359E+22	8,249799E+21	6,177986E+21	6,178098E+21	8,250076E+21	1,182380E+22
2090	1,587996E+22	1,933148E+22	2,131524E+22	2,131499E+22	1,933091E+22	1,587945E+22	1,182347E+22	8,249850E+21	6,177991E+21	6,177988E+21	8,249840E+21	1,182345E+22
2091	1,587953E+22	1,933094E+22	2,131473E+22	2,131507E+22	1,933158E+22	1,588019E+22	1,182398E+22	8,250112E+21	6,178034E+21	6,177854E+21	8,249568E+21	1,182319E+22
2092	1,587963E+22	1,933181E+22	2,131591E+22	2,131573E+22	1,933147E+22	1,587951E+22	1,182324E+22	8,249602E+21	6,177805E+21	6,177928E+21	8,249946E+21	1,182372E+22
2093	1,587996E+22	1,933163E+22	2,131539E+22	2,131504E+22	1,933096E+22	1,587935E+22	1,182322E+22	8,249589E+21	6,177665E+21	6,177575E+21	8,249407E+21	1,182309E+22
2094	1,587933E+22	1,933118E+22	2,131562E+22	2,131609E+22	1,933217E+22	1,588022E+22	1,182355E+22	8,249466E+21	6,177398E+21	6,177376E+21	8,249382E+21	1,182336E+22
2095	1,588000E+22	1,933205E+22	2,131623E+22	2,131630E+22	1,933180E+22	1,587945E+22	1,182288E+22	8,248965E+21	6,177012E+21	6,177162E+21	8,249395E+21	1,182351E+22
2096	1,588008E+22	1,933189E+22	2,131559E+22	2,131552E+22	1,933175E+22	1,587993E+22	1,182332E+22	8,249163E+21	6,176896E+21	6,176733E+21	8,248763E+21	1,182286E+22
2097	1,587958E+22	1,933194E+22	2,131651E+22	2,131662E+22	1,933244E+22	1,588027E+22	1,182331E+22	8,248987E+21	6,176805E+21	6,176818E+21	8,248993E+21	1,182324E+22
2098	1,588016E+22	1,933243E+22	2,131666E+22	2,131636E+22	1,933164E+22	1,587946E+22	1,182292E+22	8,248834E+21	6,176718E+21	6,176736E+21	8,248866E+21	1,182296E+22
2099	1,587967E+22	1,933170E+22	2,131582E+22	2,131615E+22	1,933225E+22	1,588019E+22	1,182345E+22	8,249212E+21	6,176916E+21	6,176745E+21	8,248701E+21	1,182267E+22
2100	1,587945E+22	1,933204E+22	2,131662E+22	2,131673E+22	1,933243E+22	1,587995E+22	1,182300E+22	8,248903E+21	6,176918E+21	6,177086E+21	8,249356E+21	1,182349E+22
2101	1,588003E+22	1,933191E+22	2,131588E+22	2,131560E+22	1,933138E+22	1,587952E+22	1,182304E+22	8,249112E+21	6,177107E+21	6,177114E+21	8,249174E+21	1,182313E+22
2102	1,587950E+22	1,933120E+22	2,131537E+22	2,131578E+22	1,933199E+22	1,588023E+22	1,182369E+22	8,249569E+21	6,177421E+21	6,177349E+21	8,249315E+21	1,182327E+22
2103	1,587993E+22	1,933198E+22	2,131602E+22	2,131595E+22	1,933154E+22	1,587938E+22	1,182305E+22	8,249371E+21	6,177567E+21	6,177732E+21	8,249817E+21	1,182367E+22
2104	1,588001E+22	1,933168E+22	2,131520E+22	2,131477E+22	1,933089E+22	1,587945E+22	1,182345E+22	8,249884E+21	6,177976E+21	6,177872E+21	8,249632E+21	1,182315E+22
2105	1,587919E+22	1,933101E+22	2,131536E+22	2,131560E+22	1,933169E+22	1,588000E+22	1,182373E+22	8,250103E+21	6,178327E+21	6,178351E+21	8,250137E+21	1,182367E+22
2106	1,587976E+22	1,933137E+22	2,131531E+22	2,131524E+22	1,933098E+22	1,587924E+22	1,182334E+22	8,250024E+21	6,178453E+21	6,178592E+21	8,250390E+21	1,182376E+22
2107	1,587950E+22	1,933060E+22	2,131407E+22	2,131428E+22	1,933103E+22	1,587989E+22	1,182406E+22	8,250597E+21	6,178754E+21	6,178599E+21	8,250144E+21	1,182337E+22
2108	1,587919E+22	1,933082E+22	2,131485E+22	2,131497E+22	1,933126E+22	1,587978E+22	1,182378E+22	8,250387E+21	6,178752E+21	6,178838E+21	8,250614E+21	1,182404E+22
2109	1,587989E+22	1,933114E+22	2,131465E+22	2,131422E+22	1,933021E+22	1,587904E+22	1,182353E+22	8,250377E+21	6,178756E+21	6,178725E+21	8,250321E+21	1,182354E+22
2110	1,587923E+22	1,933042E+22	2,131416E+22	2,131444E+22	1,933099E+22	1,587983E+22	1,182407E+22	8,250624E+21	6,178772E+21	6,178611E+21	8,250141E+21	1,182339E+22
2111	1,587937E+22	1,933116E+22	2,131526E+22	2,131532E+22	1,933123E+22	1,587934E+22	1,182330E+22	8,249995E+21	6,178422E+21	6,178580E+21	8,250449E+21	1,182391E+22
2112	1,587978E+22	1,933114E+22	2,131475E+22	2,131445E+22	1,933067E+22	1,587936E+22	1,182347E+22	8,250017E+21	6,178214E+21	6,178151E+21	8,249908E+21	1,182338E+22

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°
2113	1,587920E+22	1,933064E+22	2,131487E+22	2,131535E+22	1,933166E+22	1,588007E+22	1,182380E+22	8,250007E+21	6,178058E+21	6,178000E+21	8,249837E+21	1,182358E+22
2114	1,587996E+22	1,933169E+22	2,131558E+22	2,131556E+22	1,933134E+22	1,587936E+22	1,182314E+22	8,249515E+21	6,177707E+21	6,177801E+21	8,249783E+21	1,182355E+22
2115	1,587983E+22	1,933145E+22	2,131499E+22	2,131477E+22	1,933122E+22	1,587980E+22	1,182360E+22	8,249783E+21	6,177681E+21	6,177481E+21	8,249238E+21	1,182289E+22
2116	1,587925E+22	1,933145E+22	2,131593E+22	2,131597E+22	1,933185E+22	1,587993E+22	1,182342E+22	8,249514E+21	6,177556E+21	6,177586E+21	8,249576E+21	1,182345E+22
2117	1,587989E+22	1,933181E+22	2,131595E+22	2,131573E+22	1,933119E+22	1,587918E+22	1,182296E+22	8,249332E+21	6,177501E+21	6,177551E+21	8,249492E+21	1,182320E+22
2118	1,587938E+22	1,933095E+22	2,131488E+22	2,131526E+22	1,933170E+22	1,588002E+22	1,182366E+22	8,249756E+21	6,177691E+21	6,177577E+21	8,249402E+21	1,182307E+22
2119	1,587939E+22	1,933138E+22	2,131565E+22	2,131587E+22	1,933189E+22	1,587976E+22	1,182320E+22	8,249438E+21	6,177641E+21	6,177815E+21	8,249911E+21	1,182378E+22
2120	1,588003E+22	1,933158E+22	2,131519E+22	2,131470E+22	1,933070E+22	1,587930E+22	1,182330E+22	8,249720E+21	6,177862E+21	6,177846E+21	8,249724E+21	1,182337E+22
2121	1,587935E+22	1,933074E+22	2,131473E+22	2,131497E+22	1,933124E+22	1,587984E+22	1,182387E+22	8,250241E+21	6,178324E+21	6,178212E+21	8,249902E+21	1,182344E+22
2122	1,587969E+22	1,933146E+22	2,131539E+22	2,131529E+22	1,933106E+22	1,587920E+22	1,182328E+22	8,250018E+21	6,178472E+21	6,178629E+21	8,250427E+21	1,182378E+22
2123	1,587959E+22	1,933093E+22	2,131441E+22	2,131407E+22	1,933050E+22	1,587940E+22	1,182377E+22	8,250568E+21	6,178896E+21	6,178800E+21	8,250303E+21	1,182334E+22
2124	1,587887E+22	1,933028E+22	2,131442E+22	2,131471E+22	1,933111E+22	1,587983E+22	1,182398E+22	8,250711E+21	6,179148E+21	6,179192E+21	8,250800E+21	1,182399E+22
2125	1,587964E+22	1,933077E+22	2,131441E+22	2,131433E+22	1,933038E+22	1,587904E+22	1,182356E+22	8,250655E+21	6,179284E+21	6,179387E+21	8,250949E+21	1,182395E+22
2126	1,587930E+22	1,933003E+22	2,131322E+22	2,131331E+22	1,933030E+22	1,587963E+22	1,182430E+22	8,251231E+21	6,179581E+21	6,179405E+21	8,250727E+21	1,182359E+22
2127	1,587902E+22	1,933024E+22	2,131412E+22	2,131427E+22	1,933069E+22	1,587950E+22	1,182392E+22	8,250920E+21	6,179492E+21	6,179564E+21	8,251116E+21	1,182418E+22
2128	1,587969E+22	1,933072E+22	2,131414E+22	2,131367E+22	1,932974E+22	1,587882E+22	1,182368E+22	8,250882E+21	6,179438E+21	6,179431E+21	8,250902E+21	1,182379E+22
2129	1,587898E+22	1,932979E+22	2,131346E+22	2,131385E+22	1,933052E+22	1,587954E+22	1,182415E+22	8,251119E+21	6,179504E+21	6,179365E+21	8,250742E+21	1,182370E+22
2130	1,587928E+22	1,933062E+22	2,131449E+22	2,131460E+22	1,933088E+22	1,587935E+22	1,182354E+22	8,250463E+21	6,179076E+21	6,179255E+21	8,250959E+21	1,182413E+22
2131	1,587966E+22	1,933067E+22	2,131405E+22	2,131367E+22	1,933018E+22	1,587932E+22	1,182377E+22	8,250557E+21	6,178880E+21	6,178789E+21	8,250335E+21	1,182350E+22
2132	1,587911E+22	1,933033E+22	2,131426E+22	2,131454E+22	1,933097E+22	1,587976E+22	1,182394E+22	8,250497E+21	6,178712E+21	6,178620E+21	8,250241E+21	1,182369E+22
2133	1,587981E+22	1,933135E+22	2,131511E+22	2,131497E+22	1,933082E+22	1,587907E+22	1,182322E+22	8,250015E+21	6,178425E+21	6,178482E+21	8,250196E+21	1,182355E+22
2134	1,587944E+22	1,933082E+22	2,131437E+22	2,131419E+22	1,933073E+22	1,587955E+22	1,182373E+22	8,250306E+21	6,178435E+21	6,178261E+21	8,249831E+21	1,182308E+22
2135	1,587891E+22	1,933061E+22	2,131507E+22	2,131542E+22	1,933154E+22	1,587981E+22	1,182356E+22	8,249985E+21	6,178250E+21	6,178311E+21	8,250143E+21	1,182369E+22
2136	1,587970E+22	1,933119E+22	2,131512E+22	2,131494E+22	1,933073E+22	1,587914E+22	1,182325E+22	8,249861E+21	6,178172E+21	6,178261E+21	8,250113E+21	1,182356E+22
2137	1,587927E+22	1,933033E+22	2,131396E+22	2,131431E+22	1,933096E+22	1,587973E+22	1,182388E+22	8,250392E+21	6,178505E+21	6,178362E+21	8,249990E+21	1,182338E+22
2138	1,587940E+22	1,933101E+22	2,131490E+22	2,131492E+22	1,933122E+22	1,587959E+22	1,182347E+22	8,250074E+21	6,178486E+21	6,178625E+21	8,250444E+21	1,182391E+22
2139	1,587983E+22	1,933116E+22	2,131460E+22	2,131393E+22	1,933006E+22	1,587908E+22	1,182357E+22	8,250406E+21	6,178771E+21	6,178730E+21	8,250305E+21	1,182347E+22
2140	1,587907E+22	1,933025E+22	2,131411E+22	2,131430E+22	1,933062E+22	1,587948E+22	1,182398E+22	8,250841E+21	6,179200E+21	6,179105E+21	8,250568E+21	1,182368E+22
2141	1,587944E+22	1,933083E+22	2,131464E+22	2,131467E+22	1,933067E+22	1,587901E+22	1,182340E+22	8,250610E+21	6,179358E+21	6,179526E+21	8,251091E+21	1,182401E+22
2142	1,587928E+22	1,933013E+22	2,131342E+22	2,131320E+22	1,932997E+22	1,587931E+22	1,182407E+22	8,251210E+21	6,179755E+21	6,179692E+21	8,251020E+21	1,182371E+22
2143	1,587873E+22	1,932953E+22	2,131342E+22	2,131385E+22	1,933055E+22	1,587968E+22	1,182427E+22	8,251331E+21	6,179934E+21	6,179952E+21	8,251346E+21	1,182421E+22
2144	1,587953E+22	1,933035E+22	2,131369E+22	2,131344E+22	1,932968E+22	1,587883E+22	1,182384E+22	8,251284E+21	6,180061E+21	6,180144E+21	8,251512E+21	1,182414E+22
2145	1,587906E+22	1,932949E+22	2,131253E+22	2,131253E+22	1,932956E+22	1,587924E+22	1,182444E+22	8,251857E+21	6,180438E+21	6,180240E+21	8,251313E+21	1,182378E+22
2146	1,587881E+22	1,932974E+22	2,131345E+22	2,131359E+22	1,933022E+22	1,587933E+22	1,182407E+22	8,251446E+21	6,180272E+21	6,180360E+21	8,251680E+21	1,182431E+22
2147	1,587937E+22	1,933007E+22	2,131339E+22	2,131302E+22	1,932937E+22	1,587876E+22	1,182390E+22	8,251405E+21	6,180173E+21	6,180184E+21	8,251458E+21	1,182401E+22
2148	1,587885E+22	1,932928E+22	2,131268E+22	2,131310E+22	1,933000E+22	1,587935E+22	1,182428E+22	8,251550E+21	6,180121E+21	6,180004E+21	8,251251E+21	1,182398E+22

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	1,587927E+22	1,933025E+22	2,131382E+22	2,131390E+22	1,933037E+22	1,587914E+22	1,182367E+22	8,250948E+21	6,179720E+21	6,179851E+21	8,251349E+21	1,182423E+22
2150	1,587948E+22	1,933025E+22	2,131343E+22	2,131297E+22	1,932960E+22	1,587914E+22	1,182398E+22	8,251076E+21	6,179554E+21	6,179446E+21	8,250791E+21	1,182362E+22
2151	1,587888E+22	1,932981E+22	2,131370E+22	2,131404E+22	1,933051E+22	1,587956E+22	1,182409E+22	8,250964E+21	6,179353E+21	6,179248E+21	8,250655E+21	1,182372E+22
2152	1,587950E+22	1,933086E+22	2,131459E+22	2,131449E+22	1,933043E+22	1,587892E+22	1,182339E+22	8,250498E+21	6,179084E+21	6,179175E+21	8,250759E+21	1,182374E+22
2153	1,587911E+22	1,933008E+22	2,131353E+22	2,131352E+22	1,933025E+22	1,587934E+22	1,182387E+22	8,250830E+21	6,179197E+21	6,179051E+21	8,250465E+21	1,182342E+22
2154	1,587884E+22	1,933003E+22	2,131410E+22	2,131446E+22	1,933102E+22	1,587980E+22	1,182384E+22	8,250527E+21	6,178989E+21	6,179068E+21	8,250720E+21	1,182395E+22
2155	1,587962E+22	1,933071E+22	2,131429E+22	2,131400E+22	1,933006E+22	1,587899E+22	1,182356E+22	8,250505E+21	6,178977E+21	6,179030E+21	8,250642E+21	1,182377E+22
2156	1,587926E+22	1,933004E+22	2,131331E+22	2,131344E+22	1,933014E+22	1,587929E+22	1,182397E+22	8,250955E+21	6,179310E+21	6,179152E+21	8,250540E+21	1,182357E+22
2157	1,587927E+22	1,933067E+22	2,131440E+22	2,131432E+22	1,933060E+22	1,587921E+22	1,182355E+22	8,250667E+21	6,179353E+21	6,179471E+21	8,251007E+21	1,182398E+22
2158	1,587942E+22	1,933049E+22	2,131393E+22	2,131338E+22	1,932959E+22	1,587888E+22	1,182375E+22	8,251008E+21	6,179651E+21	6,179654E+21	8,251011E+21	1,182370E+22
2159	1,587871E+22	1,932938E+22	2,131319E+22	2,131368E+22	1,933029E+22	1,587944E+22	1,182422E+22	8,251410E+21	6,180008E+21	6,179941E+21	8,251199E+21	1,182392E+22
2160	1,587920E+22	1,933014E+22	2,131373E+22	2,131385E+22	1,933021E+22	1,587903E+22	1,182378E+22	8,251252E+21	6,180151E+21	6,180338E+21	8,251752E+21	1,182431E+22
2161	1,587909E+22	1,932941E+22	2,131238E+22	2,131221E+22	1,932923E+22	1,587907E+22	1,182437E+22	8,251938E+21	6,180668E+21	6,180558E+21	8,251647E+21	1,182399E+22
2162	1,587866E+22	1,932904E+22	2,131247E+22	2,131278E+22	1,932985E+22	1,587954E+22	1,182458E+22	8,252014E+21	6,180824E+21	6,180806E+21	8,251919E+21	1,182434E+22
2163	1,587926E+22	1,932983E+22	2,131300E+22	2,131264E+22	1,932900E+22	1,587857E+22	1,182410E+22	8,251945E+21	6,180935E+21	6,181003E+21	8,252103E+21	1,182431E+22
2164	1,587885E+22	1,932899E+22	2,131184E+22	2,131182E+22	1,932888E+22	1,587880E+22	1,182444E+22	8,252339E+21	6,181208E+21	6,181054E+21	8,251959E+21	1,182407E+22
2165	1,587868E+22	1,932924E+22	2,131276E+22	2,131296E+22	1,932977E+22	1,587909E+22	1,182413E+22	8,251898E+21	6,180981E+21	6,181097E+21	8,252249E+21	1,182456E+22
2166	1,587921E+22	1,932952E+22	2,131260E+22	2,131230E+22	1,932888E+22	1,587865E+22	1,182411E+22	8,251868E+21	6,180814E+21	6,180861E+21	8,252003E+21	1,182429E+22
2167	1,587879E+22	1,932881E+22	2,131199E+22	2,131246E+22	1,932951E+22	1,587919E+22	1,182448E+22	8,252005E+21	6,180702E+21	6,180545E+21	8,251598E+21	1,182406E+22
2168	1,587915E+22	1,932999E+22	2,131338E+22	2,131332E+22	1,932988E+22	1,587900E+22	1,182390E+22	8,251434E+21	6,180326E+21	6,180434E+21	8,251739E+21	1,182425E+22
2169	1,587913E+22	1,932971E+22	2,131286E+22	2,131245E+22	1,932907E+22	1,587885E+22	1,182413E+22	8,251622E+21	6,180293E+21	6,180161E+21	8,251278E+21	1,182371E+22
2170	1,587858E+22	1,932921E+22	2,131292E+22	2,131339E+22	1,933017E+22	1,587953E+22	1,182430E+22	8,251480E+21	6,180083E+21	6,179993E+21	8,251191E+21	1,182383E+22
2171	1,587911E+22	1,933013E+22	2,131374E+22	2,131379E+22	1,933002E+22	1,587890E+22	1,182369E+22	8,251058E+21	6,179828E+21	6,179935E+21	8,251330E+21	1,182399E+22
2172	1,587900E+22	1,932954E+22	2,131263E+22	2,131263E+22	1,932958E+22	1,587906E+22	1,182402E+22	8,251326E+21	6,179902E+21	6,179783E+21	8,251056E+21	1,182376E+22
2173	1,587888E+22	1,932970E+22	2,131338E+22	2,131363E+22	1,933033E+22	1,587946E+22	1,182397E+22	8,251088E+21	6,179753E+21	6,179798E+21	8,251230E+21	1,182413E+22
2174	1,587949E+22	1,933032E+22	2,131362E+22	2,131323E+22	1,932939E+22	1,587871E+22	1,182374E+22	8,251076E+21	6,179776E+21	6,179841E+21	8,251240E+21	1,182398E+22
2175	1,587905E+22	1,932954E+22	2,131276E+22	2,131294E+22	1,932962E+22	1,587901E+22	1,182411E+22	8,251484E+21	6,180072E+21	6,179925E+21	8,251090E+21	1,182370E+22
2176	1,587898E+22	1,933013E+22	2,131383E+22	2,131382E+22	1,933021E+22	1,587908E+22	1,182376E+22	8,251229E+21	6,180143E+21	6,180311E+21	8,251680E+21	1,182420E+22
2177	1,587906E+22	1,932966E+22	2,131297E+22	2,131266E+22	1,932915E+22	1,587877E+22	1,182402E+22	8,251656E+21	6,180546E+21	6,180570E+21	8,251730E+21	1,182405E+22
2178	1,587858E+22	1,932872E+22	2,131207E+22	2,131261E+22	1,932976E+22	1,587949E+22	1,182462E+22	8,252087E+21	6,180876E+21	6,180802E+21	8,251826E+21	1,182413E+22
2179	1,587898E+22	1,932952E+22	2,131275E+22	2,131280E+22	1,932947E+22	1,587887E+22	1,182418E+22	8,252016E+21	6,181075E+21	6,181196E+21	8,252312E+21	1,182450E+22
2180	1,587899E+22	1,932898E+22	2,131157E+22	2,131123E+22	1,932834E+22	1,587860E+22	1,182449E+22	8,252562E+21	6,181548E+21	6,181421E+21	8,252255E+21	1,182420E+22
2181	1,587850E+22	1,932862E+22	2,131185E+22	2,131205E+22	1,932912E+22	1,587907E+22	1,182464E+22	8,252605E+21	6,181685E+21	6,181660E+21	8,252518E+21	1,182448E+22
2182	1,587891E+22	1,932917E+22	2,131225E+22	2,131199E+22	1,932850E+22	1,587832E+22	1,182422E+22	8,252467E+21	6,181725E+21	6,181849E+21	8,252788E+21	1,182460E+22
2183	1,587860E+22	1,932830E+22	2,131109E+22	2,131125E+22	1,932851E+22	1,587867E+22	1,182458E+22	8,252757E+21	6,181838E+21	6,181725E+21	8,252488E+21	1,182431E+22
2184	1,587856E+22	1,932879E+22	2,131210E+22	2,131232E+22	1,932934E+22	1,587904E+22	1,182441E+22	8,252373E+21	6,181580E+21	6,181715E+21	8,252738E+21	1,182475E+22

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												
2185	1,587903E+22	1,932900E+22	2,131186E+22	2,131160E+22	1,932837E+22	1,587848E+22	1,182436E+22	8,252436E+21	6,181523E+21	6,181517E+21	8,252437E+21	1,182442E+22
2186	1,587866E+22	1,932846E+22	2,131129E+22	2,131167E+22	1,932905E+22	1,587916E+22	1,182476E+22	8,252563E+21	6,181411E+21	6,181212E+21	8,252001E+21	1,182404E+22
2187	1,587875E+22	1,932946E+22	2,131280E+22	2,131276E+22	1,932941E+22	1,587886E+22	1,182418E+22	8,252037E+21	6,181084E+21	6,181152E+21	8,252204E+21	1,182434E+22
2188	1,587885E+22	1,932912E+22	2,131213E+22	2,131182E+22	1,932856E+22	1,587851E+22	1,182417E+22	8,252081E+21	6,181010E+21	6,180922E+21	8,251898E+21	1,182402E+22
2189	1,587844E+22	1,932865E+22	2,131211E+22	2,131264E+22	1,932967E+22	1,587929E+22	1,182442E+22	8,251955E+21	6,180782E+21	6,180733E+21	8,251799E+21	1,182414E+22
2190	1,587899E+22	1,932957E+22	2,131285E+22	2,131291E+22	1,932941E+22	1,587872E+22	1,182391E+22	8,251560E+21	6,180512E+21	6,180667E+21	8,251954E+21	1,182435E+22
2191	1,587899E+22	1,932915E+22	2,131197E+22	2,131187E+22	1,932892E+22	1,587877E+22	1,182415E+22	8,251788E+21	6,180549E+21	6,180424E+21	8,251510E+21	1,182393E+22
2192	1,587882E+22	1,932950E+22	2,131299E+22	2,131304E+22	1,932976E+22	1,587919E+22	1,182413E+22	8,251591E+21	6,180455E+21	6,180516E+21	8,251740E+21	1,182422E+22
2193	1,587917E+22	1,932978E+22	2,131304E+22	2,131272E+22	1,932891E+22	1,587841E+22	1,182388E+22	8,251661E+21	6,180609E+21	6,180670E+21	8,251828E+21	1,182413E+22
2194	1,587874E+22	1,932890E+22	2,131190E+22	2,131222E+22	1,932932E+22	1,587904E+22	1,182440E+22	8,252097E+21	6,180917E+21	6,180777E+21	8,251701E+21	1,182384E+22
2195	1,587855E+22	1,932931E+22	2,131287E+22	2,131304E+22	1,932981E+22	1,587912E+22	1,182419E+22	8,251938E+21	6,181020E+21	6,181163E+21	8,252285E+21	1,182445E+22
2196	1,587889E+22	1,932898E+22	2,131189E+22	2,131162E+22	1,932842E+22	1,587849E+22	1,182428E+22	8,252327E+21	6,181423E+21	6,181440E+21	8,252394E+21	1,182437E+22
2197	1,587852E+22	1,932825E+22	2,131116E+22	2,131156E+22	1,932895E+22	1,587915E+22	1,182486E+22	8,252799E+21	6,181789E+21	6,181674E+21	8,252436E+21	1,182432E+22
2198	1,587874E+22	1,932898E+22	2,131194E+22	2,131185E+22	1,932868E+22	1,587854E+22	1,182440E+22	8,252670E+21	6,181976E+21	6,182114E+21	8,253000E+21	1,182474E+22
2199	1,587871E+22	1,932841E+22	2,131095E+22	2,131060E+22	1,932770E+22	1,587820E+22	1,182456E+22	8,253084E+21	6,182337E+21	6,182236E+21	8,252864E+21	1,182441E+22
2200	1,587827E+22	1,932812E+22	2,131127E+22	2,131153E+22	1,932869E+22	1,587883E+22	1,182475E+22	8,253079E+21	6,182420E+21	6,182464E+21	8,253179E+21	1,182474E+22
2201	1,587865E+22	1,932846E+22	2,131138E+22	2,131132E+22	1,932810E+22	1,587820E+22	1,182442E+22	8,252995E+21	6,182472E+21	6,182622E+21	8,253406E+21	1,182493E+22
2202	1,587856E+22	1,932784E+22	2,131020E+22	2,131036E+22	1,932810E+22	1,587873E+22	1,182493E+22	8,253320E+21	6,182532E+21	6,182392E+21	8,252952E+21	1,182445E+22
2203	1,587837E+22	1,932835E+22	2,131144E+22	2,131157E+22	1,932880E+22	1,587894E+22	1,182478E+22	8,253020E+21	6,182322E+21	6,182363E+21	8,253110E+21	1,182482E+22
2204	1,587887E+22	1,932860E+22	2,131124E+22	2,131090E+22	1,932774E+22	1,587812E+22	1,182448E+22	8,252963E+21	6,182255E+21	6,182228E+21	8,252912E+21	1,182452E+22
2205	1,587841E+22	1,932802E+22	2,131074E+22	2,131107E+22	1,932853E+22	1,587883E+22	1,182487E+22	8,253083E+21	6,182142E+21	6,181947E+21	8,252525E+21	1,182413E+22
2206	1,587834E+22	1,932871E+22	2,131198E+22	2,131210E+22	1,932903E+22	1,587871E+22	1,182433E+22	8,252509E+21	6,181783E+21	6,181913E+21	8,252845E+21	1,182464E+22
2207	1,587861E+22	1,932845E+22	2,131135E+22	2,131116E+22	1,932812E+22	1,587835E+22	1,182430E+22	8,252472E+21	6,181589E+21	6,181549E+21	8,252427E+21	1,182433E+22
2208	1,587843E+22	1,932829E+22	2,131146E+22	2,131191E+22	1,932910E+22	1,587907E+22	1,182461E+22	8,252403E+21	6,181381E+21	6,181364E+21	8,252313E+21	1,182438E+22
2209	1,587890E+22	1,932915E+22	2,131215E+22	2,131213E+22	1,932881E+22	1,587846E+22	1,182410E+22	8,252112E+21	6,181233E+21	6,181359E+21	8,252448E+21	1,182456E+22
2210	1,587894E+22	1,932889E+22	2,131138E+22	2,131111E+22	1,932843E+22	1,587865E+22	1,182438E+22	8,252332E+21	6,181280E+21	6,181135E+21	8,251970E+21	1,182396E+22
2211	1,587845E+22	1,932898E+22	2,131245E+22	2,131250E+22	1,932930E+22	1,587901E+22	1,182441E+22	8,252233E+21	6,181277E+21	6,181293E+21	8,252248E+21	1,182435E+22
2212	1,587889E+22	1,932912E+22	2,131223E+22	2,131206E+22	1,932848E+22	1,587816E+22	1,182401E+22	8,252222E+21	6,181444E+21	6,181538E+21	8,252495E+21	1,182442E+22
2213	1,587854E+22	1,932827E+22	2,131098E+22	2,131134E+22	1,932877E+22	1,587887E+22	1,182467E+22	8,252740E+21	6,181769E+21	6,181644E+21	8,252368E+21	1,182411E+22
2214	1,587830E+22	1,932857E+22	2,131181E+22	2,131200E+22	1,932913E+22	1,587895E+22	1,182454E+22	8,252637E+21	6,181904E+21	6,182047E+21	8,252973E+21	1,182477E+22
2215	1,587872E+22	1,932843E+22	2,131111E+22	2,131070E+22	1,932765E+22	1,587813E+22	1,182447E+22	8,252946E+21	6,182255E+21	6,182252E+21	8,252965E+21	1,182457E+22
2216	1,587836E+22	1,932787E+22	2,131059E+22	2,131079E+22	1,932821E+22	1,587875E+22	1,182501E+22	8,253383E+21	6,182632E+21	6,182548E+21	8,253076E+21	1,182447E+22
2217	1,587838E+22	1,932830E+22	2,131119E+22	2,131118E+22	1,932812E+22	1,587822E+22	1,182454E+22	8,253280E+21	6,182861E+21	6,183019E+21	8,253687E+21	1,182500E+22
2218	1,587847E+22	1,932778E+22	2,131007E+22	2,130982E+22	1,932737E+22	1,587819E+22	1,182480E+22	8,253636E+21	6,183133E+21	6,183062E+21	8,253485E+21	1,182462E+22
2219	1,587797E+22	1,932743E+22	2,131044E+22	2,131080E+22	1,932829E+22	1,587882E+22	1,182511E+22	8,253718E+21	6,183204E+21	6,183209E+21	8,253709E+21	1,182501E+22
2220	1,587860E+22	1,932793E+22	2,131048E+22	2,131045E+22	1,932753E+22	1,587797E+22	1,182464E+22	8,253577E+21	6,183230E+21	6,183355E+21	8,253937E+21	1,182518E+22

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°
2221	1,587851E+22	1,932749E+22	2,130952E+22	2,130953E+22	1,932748E+22	1,587848E+22	1,182517E+22	8,253937E+21	6,183296E+21	6,183111E+21	8,253429E+21	1,182455E+22
2222	1,587807E+22	1,932781E+22	2,131079E+22	2,131084E+22	1,932821E+22	1,587872E+22	1,182501E+22	8,253597E+21	6,183076E+21	6,183118E+21	8,253661E+21	1,182495E+22
2223	1,587852E+22	1,932803E+22	2,131071E+22	2,131036E+22	1,932723E+22	1,587780E+22	1,182454E+22	8,253407E+21	6,182910E+21	6,182909E+21	8,253435E+21	1,182471E+22
2224	1,587819E+22	1,932751E+22	2,131015E+22	2,131051E+22	1,932814E+22	1,587864E+22	1,182495E+22	8,253467E+21	6,182764E+21	6,182652E+21	8,253120E+21	1,182441E+22
2225	1,587815E+22	1,932805E+22	2,131110E+22	2,131132E+22	1,932857E+22	1,587857E+22	1,182450E+22	8,252964E+21	6,182424E+21	6,182587E+21	8,253406E+21	1,182499E+22
2226	1,587866E+22	1,932808E+22	2,131051E+22	2,131022E+22	1,932763E+22	1,587828E+22	1,182455E+22	8,252967E+21	6,182216E+21	6,182149E+21	8,252846E+21	1,182449E+22
2227	1,587832E+22	1,932798E+22	2,131096E+22	2,131124E+22	1,932853E+22	1,587885E+22	1,182486E+22	8,252993E+21	6,182091E+21	6,181980E+21	8,252669E+21	1,182448E+22
2228	1,587879E+22	1,932879E+22	2,131162E+22	2,131150E+22	1,932821E+22	1,587806E+22	1,182417E+22	8,252629E+21	6,181983E+21	6,182097E+21	8,252940E+21	1,182466E+22
2229	1,587867E+22	1,932843E+22	2,131086E+22	2,131057E+22	1,932797E+22	1,587838E+22	1,182454E+22	8,252913E+21	6,182074E+21	6,181936E+21	8,252543E+21	1,182407E+22
2230	1,587799E+22	1,932815E+22	2,131159E+22	2,131182E+22	1,932894E+22	1,587895E+22	1,182467E+22	8,252828E+21	6,182095E+21	6,182150E+21	8,252922E+21	1,182460E+22
2231	1,587853E+22	1,932834E+22	2,131135E+22	2,131126E+22	1,932798E+22	1,587804E+22	1,182426E+22	8,252789E+21	6,182207E+21	6,182319E+21	8,253101E+21	1,182470E+22
2232	1,587842E+22	1,932773E+22	2,131017E+22	2,131043E+22	1,932814E+22	1,587867E+22	1,182493E+22	8,253354E+21	6,182587E+21	6,182476E+21	8,252994E+21	1,182435E+22
2233	1,587811E+22	1,932793E+22	2,131086E+22	2,131100E+22	1,932842E+22	1,587868E+22	1,182479E+22	8,253328E+21	6,182813E+21	6,182931E+21	8,253614E+21	1,182503E+22
2234	1,587859E+22	1,932796E+22	2,131029E+22	2,130978E+22	1,932704E+22	1,587794E+22	1,182471E+22	8,253604E+21	6,183141E+21	6,183125E+21	8,253583E+21	1,182473E+22
2235	1,587803E+22	1,932726E+22	2,130994E+22	2,131016E+22	1,932767E+22	1,587847E+22	1,182522E+22	8,254058E+21	6,183531E+21	6,183417E+21	8,253709E+21	1,182476E+22
2236	1,587821E+22	1,932763E+22	2,131031E+22	2,131040E+22	1,932761E+22	1,587795E+22	1,182465E+22	8,253831E+21	6,183705E+21	6,183911E+21	8,254402E+21	1,182538E+22
2237	1,587841E+22	1,932728E+22	2,130927E+22	2,130896E+22	1,932681E+22	1,587803E+22	1,182506E+22	8,254232E+21	6,183913E+21	6,183863E+21	8,254104E+21	1,182490E+22
2238	1,587783E+22	1,932687E+22	2,130957E+22	2,130989E+22	1,932769E+22	1,587868E+22	1,182543E+22	8,254353E+21	6,183988E+21	6,183970E+21	8,254258E+21	1,182521E+22
2239	1,587843E+22	1,932753E+22	2,130994E+22	2,130973E+22	1,932693E+22	1,587770E+22	1,182480E+22	8,254112E+21	6,183940E+21	6,184023E+21	8,254364E+21	1,182526E+22
2240	1,587830E+22	1,932714E+22	2,130912E+22	2,130898E+22	1,932692E+22	1,587817E+22	1,182527E+22	8,254414E+21	6,184002E+21	6,183838E+21	8,253929E+21	1,182460E+22
2241	1,587765E+22	1,932705E+22	2,131003E+22	2,131025E+22	1,932781E+22	1,587852E+22	1,182515E+22	8,254111E+21	6,183803E+21	6,183858E+21	8,254224E+21	1,182517E+22
2242	1,587827E+22	1,932737E+22	2,130983E+22	2,130963E+22	1,932695E+22	1,587782E+22	1,182475E+22	8,253863E+21	6,183550E+21	6,183570E+21	8,253944E+21	1,182490E+22
2243	1,587795E+22	1,932690E+22	2,130939E+22	2,130978E+22	1,932765E+22	1,587853E+22	1,182522E+22	8,254005E+21	6,183414E+21	6,183255E+21	8,253564E+21	1,182468E+22
2244	1,587818E+22	1,932762E+22	2,131031E+22	2,131045E+22	1,932794E+22	1,587827E+22	1,182464E+22	8,253465E+21	6,183099E+21	6,183242E+21	8,253877E+21	1,182522E+22
2245	1,587868E+22	1,932787E+22	2,131003E+22	2,130948E+22	1,932697E+22	1,587798E+22	1,182472E+22	8,253501E+21	6,182912E+21	6,182825E+21	8,253292E+21	1,182456E+22
2246	1,587806E+22	1,932751E+22	2,131043E+22	2,131064E+22	1,932801E+22	1,587861E+22	1,182503E+22	8,253542E+21	6,182842E+21	6,182731E+21	8,253202E+21	1,182458E+22
2247	1,587842E+22	1,932823E+22	2,131114E+22	2,131105E+22	1,932784E+22	1,587781E+22	1,182424E+22	8,253096E+21	6,182689E+21	6,182824E+21	8,253483E+21	1,182484E+22
2248	1,587840E+22	1,932781E+22	2,131020E+22	2,130999E+22	1,932762E+22	1,587826E+22	1,182469E+22	8,253387E+21	6,182814E+21	6,182753E+21	8,253194E+21	1,182433E+22
2249	1,587772E+22	1,932731E+22	2,131051E+22	2,131089E+22	1,932844E+22	1,587890E+22	1,182500E+22	8,253457E+21	6,182905E+21	6,182970E+21	8,253574E+21	1,182494E+22
2250	1,587847E+22	1,932779E+22	2,131033E+22	2,131018E+22	1,932738E+22	1,587797E+22	1,182460E+22	8,253464E+21	6,183043E+21	6,183115E+21	8,253658E+21	1,182489E+22
2251	1,587823E+22	1,932725E+22	2,130947E+22	2,130956E+22	1,932738E+22	1,587837E+22	1,182522E+22	8,254085E+21	6,183498E+21	6,183303E+21	8,253537E+21	1,182456E+22
2252	1,587798E+22	1,932741E+22	2,131009E+22	2,131014E+22	1,932766E+22	1,587823E+22	1,182488E+22	8,253956E+21	6,183736E+21	6,183863E+21	8,254289E+21	1,182527E+22
2253	1,587839E+22	1,932742E+22	2,130960E+22	2,130905E+22	1,932643E+22	1,587762E+22	1,182487E+22	8,254226E+21	6,184025E+21	6,184043E+21	8,254280E+21	1,182498E+22
2254	1,587772E+22	1,932650E+22	2,130905E+22	2,130940E+22	1,932721E+22	1,587835E+22	1,182546E+22	8,254661E+21	6,184378E+21	6,184303E+21	8,254415E+21	1,182507E+22
2255	1,587800E+22	1,932702E+22	2,130954E+22	2,130960E+22	1,932705E+22	1,587778E+22	1,182487E+22	8,254390E+21	6,184449E+21	6,184656E+21	8,254964E+21	1,182564E+22
2256	1,587834E+22	1,932687E+22	2,130863E+22	2,130822E+22	1,932624E+22	1,587786E+22	1,182530E+22	8,254799E+21	6,184677E+21	6,184625E+21	8,254629E+21	1,182504E+22

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	1,587759E+22	1,932629E+22	2,130879E+22	2,130909E+22	1,932712E+22	1,587850E+22	1,182568E+22	8,254972E+21	6,184786E+21	6,184728E+21	8,254761E+21	1,182532E+22
2258	1,587817E+22	1,932701E+22	2,130921E+22	2,130900E+22	1,932647E+22	1,587758E+22	1,182503E+22	8,254690E+21	6,184697E+21	6,184752E+21	8,254844E+21	1,182530E+22
2259	1,587789E+22	1,932648E+22	2,130849E+22	2,130846E+22	1,932651E+22	1,587799E+22	1,182547E+22	8,254980E+21	6,184748E+21	6,184544E+21	8,254449E+21	1,182485E+22
2260	1,587748E+22	1,932635E+22	2,130908E+22	2,130944E+22	1,932731E+22	1,587830E+22	1,182524E+22	8,254560E+21	6,184498E+21	6,184598E+21	8,254829E+21	1,182551E+22
2261	1,587826E+22	1,932691E+22	2,130905E+22	2,130878E+22	1,932632E+22	1,587763E+22	1,182498E+22	8,254366E+21	6,184194E+21	6,184235E+21	8,254471E+21	1,182517E+22
2262	1,587790E+22	1,932648E+22	2,130869E+22	2,130898E+22	1,932702E+22	1,587829E+22	1,182540E+22	8,254520E+21	6,184086E+21	6,183910E+21	8,254037E+21	1,182485E+22
2263	1,587806E+22	1,932737E+22	2,130994E+22	2,130984E+22	1,932731E+22	1,587793E+22	1,182469E+22	8,253897E+21	6,183728E+21	6,183854E+21	8,254271E+21	1,182528E+22
2264	1,587849E+22	1,932757E+22	2,130974E+22	2,130912E+22	1,932654E+22	1,587772E+22	1,182476E+22	8,253909E+21	6,183579E+21	6,183536E+21	8,253775E+21	1,182461E+22
2265	1,587765E+22	1,932678E+22	2,130968E+22	2,131011E+22	1,932772E+22	1,587853E+22	1,182521E+22	8,254051E+21	6,183572E+21	6,183481E+21	8,253763E+21	1,182477E+22
2266	1,587813E+22	1,932749E+22	2,131018E+22	2,131031E+22	1,932760E+22	1,587793E+22	1,182455E+22	8,253649E+21	6,183415E+21	6,183550E+21	8,254020E+21	1,182503E+22
2267	1,587814E+22	1,932711E+22	2,130932E+22	2,130921E+22	1,932709E+22	1,587820E+22	1,182507E+22	8,254072E+21	6,183615E+21	6,183485E+21	8,253738E+21	1,182465E+22
2268	1,587769E+22	1,932671E+22	2,130947E+22	2,130982E+22	1,932768E+22	1,587862E+22	1,182523E+22	8,254123E+21	6,183782E+21	6,183822E+21	8,254194E+21	1,182522E+22
2269	1,587843E+22	1,932742E+22	2,130963E+22	2,130922E+22	1,932652E+22	1,587763E+22	1,182486E+22	8,254147E+21	6,183938E+21	6,184008E+21	8,254297E+21	1,182508E+22
2270	1,587798E+22	1,932669E+22	2,130877E+22	2,130877E+22	1,932666E+22	1,587800E+22	1,182538E+22	8,254735E+21	6,184419E+21	6,184243E+21	8,254242E+21	1,182479E+22
2271	1,587769E+22	1,932686E+22	2,130949E+22	2,130951E+22	1,932710E+22	1,587790E+22	1,182493E+22	8,254481E+21	6,184562E+21	6,184732E+21	8,254963E+21	1,182556E+22
2272	1,587824E+22	1,932688E+22	2,130892E+22	2,130843E+22	1,932600E+22	1,587745E+22	1,182499E+22	8,254709E+21	6,184815E+21	6,184910E+21	8,254951E+21	1,182526E+22
2273	1,587753E+22	1,932579E+22	2,130805E+22	2,130851E+22	1,932670E+22	1,587829E+22	1,182577E+22	8,255288E+21	6,185185E+21	6,185099E+21	8,255010E+21	1,182534E+22
2274	1,587791E+22	1,932653E+22	2,130866E+22	2,130871E+22	1,932656E+22	1,587774E+22	1,182521E+22	8,255047E+21	6,185246E+21	6,185382E+21	8,255412E+21	1,182569E+22
2275	1,587804E+22	1,932636E+22	2,130804E+22	2,130757E+22	1,932564E+22	1,587765E+22	1,182559E+22	8,255484E+21	6,185514E+21	6,185364E+21	8,255095E+21	1,182515E+22
2276	1,587731E+22	1,932563E+22	2,130796E+22	2,130834E+22	1,932651E+22	1,587819E+22	1,182582E+22	8,255558E+21	6,185623E+21	6,185568E+21	8,255360E+21	1,182547E+22
2277	1,587786E+22	1,932638E+22	2,130844E+22	2,130829E+22	1,932593E+22	1,587738E+22	1,182523E+22	8,255232E+21	6,185459E+21	6,185555E+21	8,255466E+21	1,182552E+22
2278	1,587758E+22	1,932571E+22	2,130756E+22	2,130767E+22	1,932601E+22	1,587785E+22	1,182566E+22	8,255481E+21	6,185458E+21	6,185295E+21	8,255060E+21	1,182514E+22
2279	1,587737E+22	1,932590E+22	2,130837E+22	2,130864E+22	1,932668E+22	1,587806E+22	1,182535E+22	8,254988E+21	6,185098E+21	6,185206E+21	8,255304E+21	1,182577E+22
2280	1,587831E+22	1,932669E+22	2,130854E+22	2,130814E+22	1,932577E+22	1,587737E+22	1,182506E+22	8,254768E+21	6,184810E+21	6,184869E+21	8,254909E+21	1,182530E+22
2281	1,587776E+22	1,932610E+22	2,130810E+22	2,130835E+22	1,932651E+22	1,587810E+22	1,182557E+22	8,254998E+21	6,184740E+21	6,184554E+21	8,254483E+21	1,182497E+22
2282	1,587787E+22	1,932697E+22	2,130938E+22	2,130935E+22	1,932698E+22	1,587784E+22	1,182489E+22	8,254391E+21	6,184391E+21	6,184497E+21	8,254697E+21	1,182531E+22
2283	1,587811E+22	1,932697E+22	2,130919E+22	2,130875E+22	1,932626E+22	1,587764E+22	1,182498E+22	8,254451E+21	6,184297E+21	6,184222E+21	8,254295E+21	1,182486E+22
2284	1,587747E+22	1,932605E+22	2,130866E+22	2,130928E+22	1,932726E+22	1,587843E+22	1,182542E+22	8,254585E+21	6,184332E+21	6,184275E+21	8,254386E+21	1,182507E+22
2285	1,587805E+22	1,932697E+22	2,130927E+22	2,130933E+22	1,932688E+22	1,587780E+22	1,182491E+22	8,254293E+21	6,184205E+21	6,184337E+21	8,254611E+21	1,182528E+22
2286	1,587801E+22	1,932659E+22	2,130848E+22	2,130828E+22	1,932632E+22	1,587791E+22	1,182532E+22	8,254744E+21	6,184485E+21	6,184323E+21	8,254330E+21	1,182484E+22
2287	1,587753E+22	1,932638E+22	2,130891E+22	2,130900E+22	1,932683E+22	1,587815E+22	1,182530E+22	8,254689E+21	6,184610E+21	6,184648E+21	8,254770E+21	1,182538E+22
2288	1,587822E+22	1,932700E+22	2,130911E+22	2,130867E+22	1,932595E+22	1,587726E+22	1,182489E+22	8,254658E+21	6,184781E+21	6,184912E+21	8,254961E+21	1,182526E+22
2289	1,587762E+22	1,932594E+22	2,130792E+22	2,130811E+22	1,932625E+22	1,587785E+22	1,182553E+22	8,255279E+21	6,185244E+21	6,185117E+21	8,254929E+21	1,182508E+22
2290	1,587747E+22	1,932615E+22	2,130850E+22	2,130872E+22	1,932673E+22	1,587792E+22	1,182524E+22	8,255079E+21	6,185357E+21	6,185524E+21	8,255539E+21	1,182576E+22
2291	1,587800E+22	1,932624E+22	2,130809E+22	2,130772E+22	1,932551E+22	1,587739E+22	1,182538E+22	8,255419E+21	6,185650E+21	6,185663E+21	8,255487E+21	1,182552E+22
2292	1,587743E+22	1,932520E+22	2,130705E+22	2,130752E+22	1,932603E+22	1,587808E+22	1,182605E+22	8,255974E+21	6,186078E+21	6,185949E+21	8,255584E+21	1,182550E+22

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	1,587771E+22	1,932607E+22	2,130795E+22	2,130785E+22	1,932580E+22	1,587752E+22	1,182555E+22	8,255745E+21	6,186125E+21	6,186237E+21	8,255997E+21	1,182581E+22
2294	1,587766E+22	1,932567E+22	2,130727E+22	2,130688E+22	1,932504E+22	1,587735E+22	1,182578E+22	8,256115E+21	6,186377E+21	6,186239E+21	8,255750E+21	1,182534E+22
2295	1,587699E+22	1,932502E+22	2,130721E+22	2,130761E+22	1,932594E+22	1,587788E+22	1,182587E+22	8,256007E+21	6,186342E+21	6,186343E+21	8,255995E+21	1,182579E+22
2296	1,587775E+22	1,932586E+22	2,130768E+22	2,130758E+22	1,932544E+22	1,587719E+22	1,182531E+22	8,255614E+21	6,186105E+21	6,186286E+21	8,256066E+21	1,182583E+22
2297	1,587752E+22	1,932522E+22	2,130670E+22	2,130681E+22	1,932544E+22	1,587769E+22	1,182585E+22	8,255940E+21	6,186075E+21	6,185921E+21	8,255554E+21	1,182542E+22
2298	1,587741E+22	1,932565E+22	2,130775E+22	2,130793E+22	1,932618E+22	1,587789E+22	1,182556E+22	8,255477E+21	6,185717E+21	6,185766E+21	8,255637E+21	1,182581E+22
2299	1,587811E+22	1,932641E+22	2,130822E+22	2,130779E+22	1,932534E+22	1,587715E+22	1,182524E+22	8,255283E+21	6,185463E+21	6,185447E+21	8,255276E+21	1,182538E+22
2300	1,587751E+22	1,932557E+22	2,130745E+22	2,130782E+22	1,932611E+22	1,587788E+22	1,182570E+22	8,255488E+21	6,185451E+21	6,185273E+21	8,254990E+21	1,182507E+22
2301	1,587754E+22	1,932638E+22	2,130871E+22	2,130876E+22	1,932658E+22	1,587780E+22	1,182518E+22	8,254926E+21	6,185101E+21	6,185230E+21	8,255247E+21	1,182547E+22
2302	1,587775E+22	1,932620E+22	2,130826E+22	2,130800E+22	1,932579E+22	1,587757E+22	1,182529E+22	8,255039E+21	6,185058E+21	6,184996E+21	8,254893E+21	1,182509E+22
2303	1,587730E+22	1,932556E+22	2,130782E+22	2,130835E+22	1,932657E+22	1,587819E+22	1,182563E+22	8,255140E+21	6,185071E+21	6,185010E+21	8,254941E+21	1,182532E+22
2304	1,587799E+22	1,932662E+22	2,130861E+22	2,130854E+22	1,932622E+22	1,587748E+22	1,182502E+22	8,254818E+21	6,184996E+21	6,185149E+21	8,255182E+21	1,182545E+22
2305	1,587779E+22	1,932607E+22	2,130772E+22	2,130746E+22	1,932564E+22	1,587760E+22	1,182548E+22	8,255320E+21	6,185307E+21	6,185160E+21	8,254951E+21	1,182506E+22
2306	1,587732E+22	1,932586E+22	2,130821E+22	2,130839E+22	1,932636E+22	1,587790E+22	1,182546E+22	8,255262E+21	6,185424E+21	6,185464E+21	8,255359E+21	1,182554E+22
2307	1,587789E+22	1,932634E+22	2,130841E+22	2,130817E+22	1,932559E+22	1,587711E+22	1,182509E+22	8,255242E+21	6,185598E+21	6,185729E+21	8,255615E+21	1,182561E+22
2308	1,587747E+22	1,932521E+22	2,130683E+22	2,130718E+22	1,932572E+22	1,587775E+22	1,182581E+22	8,255891E+21	6,186092E+21	6,185998E+21	8,255620E+21	1,182541E+22
2309	1,587738E+22	1,932564E+22	2,130761E+22	2,130772E+22	1,932600E+22	1,587782E+22	1,182568E+22	8,255801E+21	6,186224E+21	6,186365E+21	8,256138E+21	1,182596E+22
2310	1,587778E+22	1,932568E+22	2,130725E+22	2,130683E+22	1,932481E+22	1,587715E+22	1,182570E+22	8,256158E+21	6,186584E+21	6,186549E+21	8,256071E+21	1,182562E+22
2311	1,587716E+22	1,932478E+22	2,130640E+22	2,130669E+22	1,932529E+22	1,587770E+22	1,182618E+22	8,256572E+21	6,186931E+21	6,186801E+21	8,256176E+21	1,182564E+22
2312	1,587739E+22	1,932550E+22	2,130730E+22	2,130725E+22	1,932529E+22	1,587720E+22	1,182561E+22	8,256252E+21	6,186940E+21	6,187103E+21	8,256641E+21	1,182599E+22
2313	1,587729E+22	1,932487E+22	2,130631E+22	2,130612E+22	1,932460E+22	1,587720E+22	1,182595E+22	8,256613E+21	6,187111E+21	6,187022E+21	8,256401E+21	1,182568E+22
2314	1,587687E+22	1,932440E+22	2,130630E+22	2,130681E+22	1,932548E+22	1,587778E+22	1,182611E+22	8,256511E+21	6,186992E+21	6,186990E+21	8,256489E+21	1,182602E+22
2315	1,587765E+22	1,932544E+22	2,130703E+22	2,130694E+22	1,932496E+22	1,587705E+22	1,182556E+22	8,256156E+21	6,186749E+21	6,186869E+21	8,256509E+21	1,182610E+22
2316	1,587752E+22	1,932489E+22	2,130601E+22	2,130601E+22	1,932485E+22	1,587746E+22	1,182602E+22	8,256442E+21	6,186761E+21	6,186588E+21	8,256005E+21	1,182554E+22
2317	1,587728E+22	1,932540E+22	2,130733E+22	2,130731E+22	1,932557E+22	1,587769E+22	1,182583E+22	8,256024E+21	6,186413E+21	6,186445E+21	8,256085E+21	1,182584E+22
2318	1,587774E+22	1,932584E+22	2,130768E+22	2,130739E+22	1,932501E+22	1,587696E+22	1,182541E+22	8,255821E+21	6,186200E+21	6,186182E+21	8,255797E+21	1,182548E+22
2319	1,587719E+22	1,932504E+22	2,130679E+22	2,130721E+22	1,932570E+22	1,587768E+22	1,182578E+22	8,255909E+21	6,186112E+21	6,185981E+21	8,255553E+21	1,182531E+22
2320	1,587734E+22	1,932578E+22	2,130791E+22	2,130805E+22	1,932615E+22	1,587767E+22	1,182535E+22	8,255378E+21	6,185775E+21	6,185953E+21	8,255812E+21	1,182572E+22
2321	1,587760E+22	1,932562E+22	2,130733E+22	2,130706E+22	1,932520E+22	1,587739E+22	1,182554E+22	8,255586E+21	6,185763E+21	6,185700E+21	8,255441E+21	1,182536E+22
2322	1,587724E+22	1,932517E+22	2,130708E+22	2,130749E+22	1,932590E+22	1,587789E+22	1,182583E+22	8,255714E+21	6,185819E+21	6,185716E+21	8,255403E+21	1,182542E+22
2323	1,587774E+22	1,932619E+22	2,130809E+22	2,130798E+22	1,932566E+22	1,587718E+22	1,182520E+22	8,255403E+21	6,185780E+21	6,185906E+21	8,255742E+21	1,182566E+22
2324	1,587754E+22	1,932546E+22	2,130691E+22	2,130674E+22	1,932513E+22	1,587732E+22	1,182559E+22	8,255862E+21	6,186139E+21	6,186037E+21	8,255620E+21	1,182530E+22
2325	1,587707E+22	1,932524E+22	2,130741E+22	2,130761E+22	1,932583E+22	1,587780E+22	1,182578E+22	8,255872E+21	6,186253E+21	6,186322E+21	8,256019E+21	1,182580E+22
2326	1,587761E+22	1,932559E+22	2,130745E+22	2,130736E+22	1,932511E+22	1,587702E+22	1,182544E+22	8,255928E+21	6,186470E+21	6,186591E+21	8,256250E+21	1,182585E+22
2327	1,587731E+22	1,932476E+22	2,130599E+22	2,130620E+22	1,932501E+22	1,587750E+22	1,182606E+22	8,256539E+21	6,186938E+21	6,186825E+21	8,256216E+21	1,182563E+22
2328	1,587723E+22	1,932520E+22	2,130691E+22	2,130691E+22	1,932535E+22	1,587755E+22	1,182589E+22	8,256438E+21	6,187109E+21	6,187238E+21	8,256726E+21	1,182609E+22

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°
2329	1,587745E+22	1,932506E+22	2,130645E+22	2,130600E+22	1,932417E+22	1,587688E+22	1,182593E+22	8,256806E+21	6,187456E+21	6,187426E+21	8,256726E+21	1,182584E+22
2330	1,587687E+22	1,932413E+22	2,130561E+22	2,130600E+22	1,932480E+22	1,587744E+22	1,182635E+22	8,257158E+21	6,187748E+21	6,187620E+21	8,256782E+21	1,182584E+22
2331	1,587708E+22	1,932480E+22	2,130651E+22	2,130663E+22	1,932491E+22	1,587706E+22	1,182579E+22	8,256782E+21	6,187680E+21	6,187859E+21	8,257282E+21	1,182639E+22
2332	1,587722E+22	1,932423E+22	2,130529E+22	2,130515E+22	1,932402E+22	1,587704E+22	1,182616E+22	8,257131E+21	6,187832E+21	6,187772E+21	8,257006E+21	1,182602E+22
2333	1,587690E+22	1,932410E+22	2,130564E+22	2,130593E+22	1,932475E+22	1,587757E+22	1,182643E+22	8,257098E+21	6,187701E+21	6,187663E+21	8,256957E+21	1,182619E+22
2334	1,587752E+22	1,932507E+22	2,130649E+22	2,130630E+22	1,932440E+22	1,587677E+22	1,182576E+22	8,256737E+21	6,187497E+21	6,187566E+21	8,256935E+21	1,182612E+22
2335	1,587728E+22	1,932462E+22	2,130563E+22	2,130546E+22	1,932432E+22	1,587713E+22	1,182608E+22	8,256891E+21	6,187433E+21	6,187269E+21	8,256472E+21	1,182561E+22
2336	1,587694E+22	1,932489E+22	2,130684E+22	2,130693E+22	1,932529E+22	1,587750E+22	1,182587E+22	8,256429E+21	6,187076E+21	6,187144E+21	8,256585E+21	1,182594E+22
2337	1,587732E+22	1,932504E+22	2,130678E+22	2,130670E+22	1,932471E+22	1,587693E+22	1,182563E+22	8,256280E+21	6,186842E+21	6,186863E+21	8,256351E+21	1,182574E+22
2338	1,587700E+22	1,932437E+22	2,130587E+22	2,130641E+22	1,932528E+22	1,587761E+22	1,182606E+22	8,256429E+21	6,186750E+21	6,186599E+21	8,256013E+21	1,182551E+22
2339	1,587719E+22	1,932526E+22	2,130714E+22	2,130730E+22	1,932565E+22	1,587751E+22	1,182560E+22	8,255947E+21	6,186459E+21	6,186590E+21	8,256306E+21	1,182600E+22
2340	1,587752E+22	1,932516E+22	2,130651E+22	2,130611E+22	1,932450E+22	1,587710E+22	1,182572E+22	8,256157E+21	6,186542E+21	6,186478E+21	8,256009E+21	1,182558E+22
2341	1,587712E+22	1,932483E+22	2,130657E+22	2,130673E+22	1,932514E+22	1,587757E+22	1,182607E+22	8,256323E+21	6,186627E+21	6,186527E+21	8,255994E+21	1,182558E+22
2342	1,587743E+22	1,932557E+22	2,130743E+22	2,130740E+22	1,932521E+22	1,587692E+22	1,182536E+22	8,256002E+21	6,186635E+21	6,186777E+21	8,256387E+21	1,182587E+22
2343	1,587732E+22	1,932496E+22	2,130617E+22	2,130596E+22	1,932463E+22	1,587710E+22	1,182570E+22	8,256357E+21	6,186911E+21	6,186871E+21	8,256288E+21	1,182562E+22
2344	1,587695E+22	1,932470E+22	2,130660E+22	2,130681E+22	1,932532E+22	1,587764E+22	1,182599E+22	8,256444E+21	6,187056E+21	6,187138E+21	8,256623E+21	1,182604E+22
2345	1,587744E+22	1,932500E+22	2,130653E+22	2,130641E+22	1,932451E+22	1,587686E+22	1,182576E+22	8,256614E+21	6,187326E+21	6,187409E+21	8,256835E+21	1,182607E+22
2346	1,587715E+22	1,932425E+22	2,130527E+22	2,130540E+22	1,932437E+22	1,587723E+22	1,182633E+22	8,257230E+21	6,187815E+21	6,187642E+21	8,256737E+21	1,182570E+22
2347	1,587684E+22	1,932455E+22	2,130627E+22	2,130632E+22	1,932486E+22	1,587731E+22	1,182612E+22	8,257102E+21	6,187976E+21	6,188085E+21	8,257362E+21	1,182630E+22
2348	1,587709E+22	1,932426E+22	2,130549E+22	2,130516E+22	1,932366E+22	1,587667E+22	1,182611E+22	8,257411E+21	6,188332E+21	6,188342E+21	8,257446E+21	1,182614E+22
2349	1,587664E+22	1,932346E+22	2,130472E+22	2,130506E+22	1,932415E+22	1,587732E+22	1,182667E+22	8,257770E+21	6,188561E+21	6,188456E+21	8,257442E+21	1,182615E+22
2350	1,587690E+22	1,932413E+22	2,130559E+22	2,130577E+22	1,932437E+22	1,587692E+22	1,182608E+22	8,257413E+21	6,188478E+21	6,188636E+21	8,257845E+21	1,182663E+22
2351	1,587720E+22	1,932397E+22	2,130464E+22	2,130428E+22	1,932334E+22	1,587672E+22	1,182627E+22	8,257625E+21	6,188531E+21	6,188464E+21	8,257500E+21	1,182622E+22
2352	1,587683E+22	1,932383E+22	2,130518E+22	2,130533E+22	1,932420E+22	1,587727E+22	1,182651E+22	8,257578E+21	6,188403E+21	6,188346E+21	8,257400E+21	1,182626E+22
2353	1,587723E+22	1,932457E+22	2,130593E+22	2,130576E+22	1,932401E+22	1,587658E+22	1,182592E+22	8,257225E+21	6,188165E+21	6,188238E+21	8,257425E+21	1,182624E+22
2354	1,587697E+22	1,932399E+22	2,130503E+22	2,130502E+22	1,932403E+22	1,587697E+22	1,182620E+22	8,257340E+21	6,188067E+21	6,187906E+21	8,256937E+21	1,182574E+22
2355	1,587661E+22	1,932417E+22	2,130609E+22	2,130639E+22	1,932505E+22	1,587750E+22	1,182610E+22	8,256889E+21	6,187677E+21	6,187765E+21	8,257115E+21	1,182624E+22
2356	1,587718E+22	1,932439E+22	2,130578E+22	2,130571E+22	1,932415E+22	1,587683E+22	1,182588E+22	8,256801E+21	6,187512E+21	6,187544E+21	8,256889E+21	1,182603E+22
2357	1,587700E+22	1,932404E+22	2,130518E+22	2,130541E+22	1,932447E+22	1,587738E+22	1,182636E+22	8,257032E+21	6,187481E+21	6,187287E+21	8,256484E+21	1,182567E+22
2358	1,587704E+22	1,932484E+22	2,130654E+22	2,130656E+22	1,932500E+22	1,587719E+22	1,182578E+22	8,256555E+21	6,187264E+21	6,187351E+21	8,256790E+21	1,182608E+22
2359	1,587734E+22	1,932484E+22	2,130602E+22	2,130546E+22	1,932387E+22	1,587668E+22	1,182572E+22	8,256622E+21	6,187285E+21	6,187260E+21	8,256592E+21	1,182576E+22
2360	1,587686E+22	1,932430E+22	2,130601E+22	2,130624E+22	1,932476E+22	1,587729E+22	1,182609E+22	8,256791E+21	6,187386E+21	6,187324E+21	8,256598E+21	1,182579E+22
2361	1,587712E+22	1,932483E+22	2,130654E+22	2,130664E+22	1,932483E+22	1,587686E+22	1,182561E+22	8,256551E+21	6,187388E+21	6,187564E+21	8,257017E+21	1,182618E+22
2362	1,587716E+22	1,932430E+22	2,130533E+22	2,130519E+22	1,932415E+22	1,587699E+22	1,182602E+22	8,256993E+21	6,187697E+21	6,187621E+21	8,256818E+21	1,182581E+22
2363	1,587675E+22	1,932414E+22	2,130582E+22	2,130605E+22	1,932485E+22	1,587754E+22	1,182632E+22	8,257136E+21	6,187894E+21	6,187927E+21	8,257191E+21	1,182625E+22
2364	1,587721E+22	1,932439E+22	2,130563E+22	2,130541E+22	1,932383E+22	1,587666E+22	1,182606E+22	8,257337E+21	6,188272E+21	6,188336E+21	8,257490E+21	1,182626E+22

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	1,587689E+22	1,932370E+22	2,130458E+22	2,130454E+22	1,932362E+22	1,587698E+22	1,182664E+22	8,257958E+21	6,188766E+21	6,188581E+21	8,257425E+21	1,182592E+22
2366	1,587648E+22	1,932373E+22	2,130536E+22	2,130557E+22	1,932435E+22	1,587707E+22	1,182631E+22	8,257769E+21	6,188915E+21	6,189033E+21	8,258068E+21	1,182658E+22
2367	1,587692E+22	1,932367E+22	2,130456E+22	2,130421E+22	1,932302E+22	1,587642E+22	1,182623E+22	8,257917E+21	6,189117E+21	6,189198E+21	8,258161E+21	1,182655E+22
2368	1,587664E+22	1,932301E+22	2,130394E+22	2,130421E+22	1,932352E+22	1,587702E+22	1,182678E+22	8,258283E+21	6,189300E+21	6,189202E+21	8,258009E+21	1,182642E+22
2369	1,587684E+22	1,932371E+22	2,130483E+22	2,130487E+22	1,932372E+22	1,587668E+22	1,182629E+22	8,257968E+21	6,189203E+21	6,189333E+21	8,258333E+21	1,182681E+22
2370	1,587708E+22	1,932360E+22	2,130419E+22	2,130375E+22	1,932281E+22	1,587645E+22	1,182642E+22	8,258136E+21	6,189217E+21	6,189106E+21	8,257886E+21	1,182623E+22
2371	1,587650E+22	1,932332E+22	2,130474E+22	2,130499E+22	1,932393E+22	1,587712E+22	1,182665E+22	8,258056E+21	6,189048E+21	6,188986E+21	8,257868E+21	1,182636E+22
2372	1,587684E+22	1,932383E+22	2,130509E+22	2,130510E+22	1,932370E+22	1,587654E+22	1,182611E+22	8,257717E+21	6,188856E+21	6,188945E+21	8,257961E+21	1,182644E+22
2373	1,587672E+22	1,932336E+22	2,130425E+22	2,130420E+22	1,932351E+22	1,587696E+22	1,182655E+22	8,257886E+21	6,188742E+21	6,188577E+21	8,257447E+21	1,182595E+22
2374	1,587640E+22	1,932348E+22	2,130517E+22	2,130555E+22	1,932453E+22	1,587739E+22	1,182640E+22	8,257491E+21	6,188406E+21	6,188449E+21	8,257578E+21	1,182640E+22
2375	1,587714E+22	1,932409E+22	2,130509E+22	2,130480E+22	1,932342E+22	1,587651E+22	1,182600E+22	8,257289E+21	6,188206E+21	6,188241E+21	8,257400E+21	1,182624E+22
2376	1,587695E+22	1,932378E+22	2,130472E+22	2,130476E+22	1,932381E+22	1,587697E+22	1,182638E+22	8,257511E+21	6,188207E+21	6,188011E+21	8,256993E+21	1,182581E+22
2377	1,587681E+22	1,932436E+22	2,130596E+22	2,130596E+22	1,932449E+22	1,587690E+22	1,182588E+22	8,257060E+21	6,187998E+21	6,188110E+21	8,257374E+21	1,182630E+22
2378	1,587711E+22	1,932424E+22	2,130544E+22	2,130504E+22	1,932353E+22	1,587648E+22	1,182581E+22	8,257082E+21	6,187989E+21	6,187988E+21	8,257144E+21	1,182598E+22
2379	1,587663E+22	1,932364E+22	2,130525E+22	2,130567E+22	1,932450E+22	1,587730E+22	1,182633E+22	8,257302E+21	6,188074E+21	6,188046E+21	8,257198E+21	1,182610E+22
2380	1,587698E+22	1,932419E+22	2,130555E+22	2,130566E+22	1,932427E+22	1,587682E+22	1,182596E+22	8,257211E+21	6,188209E+21	6,188364E+21	8,257608E+21	1,182643E+22
2381	1,587707E+22	1,932387E+22	2,130460E+22	2,130420E+22	1,932334E+22	1,587683E+22	1,182642E+22	8,257753E+21	6,188618E+21	6,188477E+21	8,257382E+21	1,182594E+22
2382	1,587645E+22	1,932349E+22	2,130503E+22	2,130525E+22	1,932422E+22	1,587731E+22	1,182662E+22	8,257905E+21	6,188891E+21	6,188871E+21	8,257787E+21	1,182633E+22
2383	1,587690E+22	1,932384E+22	2,130487E+22	2,130459E+22	1,932314E+22	1,587629E+22	1,182615E+22	8,257930E+21	6,189180E+21	6,189289E+21	8,258217E+21	1,182652E+22
2384	1,587660E+22	1,932299E+22	2,130374E+22	2,130377E+22	1,932305E+22	1,587666E+22	1,182671E+22	8,258512E+21	6,189628E+21	6,189480E+21	8,258132E+21	1,182623E+22
2385	1,587626E+22	1,932297E+22	2,130430E+22	2,130461E+22	1,932376E+22	1,587692E+22	1,182656E+22	8,258344E+21	6,189699E+21	6,189847E+21	8,258731E+21	1,182695E+22
2386	1,587686E+22	1,932310E+22	2,130375E+22	2,130343E+22	1,932241E+22	1,587617E+22	1,182643E+22	8,258473E+21	6,189843E+21	6,189896E+21	8,258658E+21	1,182676E+22
2387	1,587656E+22	1,932263E+22	2,130334E+22	2,130357E+22	1,932304E+22	1,587686E+22	1,182699E+22	8,258825E+21	6,189997E+21	6,189879E+21	8,258498E+21	1,182657E+22
2388	1,587665E+22	1,932327E+22	2,130419E+22	2,130412E+22	1,932315E+22	1,587651E+22	1,182652E+22	8,258549E+21	6,189969E+21	6,190077E+21	8,258838E+21	1,182691E+22
2389	1,587681E+22	1,932314E+22	2,130370E+22	2,130317E+22	1,932229E+22	1,587630E+22	1,182667E+22	8,258719E+21	6,189980E+21	6,189849E+21	8,258396E+21	1,182632E+22
2390	1,587612E+22	1,932255E+22	2,130393E+22	2,130444E+22	1,932366E+22	1,587707E+22	1,182687E+22	8,258608E+21	6,189807E+21	6,189734E+21	8,258377E+21	1,182650E+22
2391	1,587665E+22	1,932326E+22	2,130420E+22	2,130425E+22	1,932316E+22	1,587639E+22	1,182627E+22	8,258157E+21	6,189506E+21	6,189643E+21	8,258531E+21	1,182674E+22
2392	1,587668E+22	1,932292E+22	2,130350E+22	2,130341E+22	1,932286E+22	1,587667E+22	1,182667E+22	8,258379E+21	6,189407E+21	6,189222E+21	8,257929E+21	1,182617E+22
2393	1,587634E+22	1,932309E+22	2,130444E+22	2,130469E+22	1,932382E+22	1,587710E+22	1,182656E+22	8,258010E+21	6,189095E+21	6,189119E+21	8,258059E+21	1,182658E+22
2394	1,587701E+22	1,932371E+22	2,130466E+22	2,130432E+22	1,932285E+22	1,587616E+22	1,182605E+22	8,257741E+21	6,188874E+21	6,188906E+21	8,257854E+21	1,182633E+22
2395	1,587669E+22	1,932331E+22	2,130427E+22	2,130443E+22	1,932353E+22	1,587678E+22	1,182644E+22	8,257920E+21	6,188847E+21	6,188706E+21	8,257554E+21	1,182600E+22
2396	1,587651E+22	1,932367E+22	2,130512E+22	2,130526E+22	1,932412E+22	1,587686E+22	1,182609E+22	8,257571E+21	6,188729E+21	6,188875E+21	8,257974E+21	1,182656E+22
2397	1,587694E+22	1,932367E+22	2,130465E+22	2,130424E+22	1,932303E+22	1,587651E+22	1,182619E+22	8,257702E+21	6,188760E+21	6,188745E+21	8,257699E+21	1,182620E+22
2398	1,587645E+22	1,932298E+22	2,130431E+22	2,130484E+22	1,932399E+22	1,587722E+22	1,182670E+22	8,258021E+21	6,188949E+21	6,188849E+21	8,257699E+21	1,182622E+22
2399	1,587684E+22	1,932377E+22	2,130472E+22	2,130467E+22	1,932351E+22	1,587656E+22	1,182619E+22	8,257858E+21	6,189090E+21	6,189234E+21	8,258225E+21	1,182664E+22
2400	1,587687E+22	1,932339E+22	2,130395E+22	2,130345E+22	1,932260E+22	1,587643E+22	1,182656E+22	8,258407E+21	6,189529E+21	6,189377E+21	8,258030E+21	1,182613E+22

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												
2401	1,587613E+22	1,932278E+22	2,130413E+22	2,130441E+22	1,932355E+22	1,587699E+22	1,182678E+22	8,258537E+21	6,189794E+21	6,189805E+21	8,258518E+21	1,182662E+22
2402	1,587663E+22	1,932307E+22	2,130402E+22	2,130391E+22	1,932261E+22	1,587603E+22	1,182626E+22	8,258465E+21	6,189995E+21	6,190149E+21	8,258896E+21	1,182685E+22
2403	1,587647E+22	1,932238E+22	2,130287E+22	2,130300E+22	1,932258E+22	1,587654E+22	1,182690E+22	8,259017E+21	6,190349E+21	6,190260E+21	8,258793E+21	1,182659E+22
2404	1,587621E+22	1,932246E+22	2,130337E+22	2,130358E+22	1,932304E+22	1,587675E+22	1,182684E+22	8,258983E+21	6,190509E+21	6,190625E+21	8,259292E+21	1,182719E+22
2405	1,587682E+22	1,932281E+22	2,130319E+22	2,130263E+22	1,932171E+22	1,587597E+22	1,182673E+22	8,259133E+21	6,190670E+21	6,190656E+21	8,259126E+21	1,182682E+22
2406	1,587626E+22	1,932209E+22	2,130274E+22	2,130303E+22	1,932259E+22	1,587668E+22	1,182722E+22	8,259467E+21	6,190842E+21	6,190668E+21	8,258954E+21	1,182655E+22
2407	1,587630E+22	1,932274E+22	2,130354E+22	2,130351E+22	1,932268E+22	1,587631E+22	1,182664E+22	8,259046E+21	6,190718E+21	6,190862E+21	8,259426E+21	1,182707E+22
2408	1,587648E+22	1,932246E+22	2,130294E+22	2,130259E+22	1,932189E+22	1,587613E+22	1,182681E+22	8,259203E+21	6,190684E+21	6,190573E+21	8,258963E+21	1,182655E+22
2409	1,587587E+22	1,932182E+22	2,130289E+22	2,130355E+22	1,932314E+22	1,587699E+22	1,182714E+22	8,259127E+21	6,190476E+21	6,190419E+21	8,258928E+21	1,182677E+22
2410	1,587654E+22	1,932272E+22	2,130345E+22	2,130354E+22	1,932258E+22	1,587615E+22	1,182643E+22	8,258633E+21	6,190136E+21	6,190254E+21	8,258973E+21	1,182693E+22
2411	1,587662E+22	1,932261E+22	2,130293E+22	2,130278E+22	1,932235E+22	1,587644E+22	1,182679E+22	8,258805E+21	6,190010E+21	6,189849E+21	8,258418E+21	1,182635E+22
2412	1,587620E+22	1,932272E+22	2,130386E+22	2,130399E+22	1,932320E+22	1,587685E+22	1,182673E+22	8,258522E+21	6,189796E+21	6,189823E+21	8,258581E+21	1,182676E+22
2413	1,587683E+22	1,932333E+22	2,130419E+22	2,130379E+22	1,932237E+22	1,587597E+22	1,182622E+22	8,258252E+21	6,189591E+21	6,189630E+21	8,258386E+21	1,182650E+22
2414	1,587641E+22	1,932266E+22	2,130351E+22	2,130391E+22	1,932327E+22	1,587676E+22	1,182666E+22	8,258444E+21	6,189590E+21	6,189453E+21	8,258075E+21	1,182619E+22
2415	1,587640E+22	1,932320E+22	2,130426E+22	2,130440E+22	1,932356E+22	1,587675E+22	1,182631E+22	8,258067E+21	6,189433E+21	6,189615E+21	8,258552E+21	1,182684E+22
2416	1,587687E+22	1,932324E+22	2,130390E+22	2,130342E+22	1,932234E+22	1,587621E+22	1,182640E+22	8,258323E+21	6,189558E+21	6,189497E+21	8,258220E+21	1,182637E+22
2417	1,587627E+22	1,932248E+22	2,130347E+22	2,130391E+22	1,932326E+22	1,587697E+22	1,182696E+22	8,258693E+21	6,189821E+21	6,189688E+21	8,258271E+21	1,182635E+22
2418	1,587651E+22	1,932315E+22	2,130409E+22	2,130408E+22	1,932288E+22	1,587619E+22	1,182632E+22	8,258453E+21	6,189943E+21	6,190087E+21	8,258817E+21	1,182676E+22
2419	1,587651E+22	1,932271E+22	2,130320E+22	2,130289E+22	1,932218E+22	1,587620E+22	1,182668E+22	8,258939E+21	6,190335E+21	6,190253E+21	8,258747E+21	1,182640E+22
2420	1,587582E+22	1,932199E+22	2,130309E+22	2,130345E+22	1,932295E+22	1,587686E+22	1,182705E+22	8,259156E+21	6,190650E+21	6,190695E+21	8,259233E+21	1,182698E+22
2421	1,587650E+22	1,932248E+22	2,130310E+22	2,130294E+22	1,932196E+22	1,587594E+22	1,182661E+22	8,259130E+21	6,190844E+21	6,190983E+21	8,259513E+21	1,182711E+22
2422	1,587633E+22	1,932183E+22	2,130199E+22	2,130216E+22	1,932204E+22	1,587640E+22	1,182721E+22	8,259706E+21	6,191229E+21	6,191078E+21	8,259302E+21	1,182673E+22
2423	1,587613E+22	1,932214E+22	2,130267E+22	2,130270E+22	1,932232E+22	1,587647E+22	1,182704E+22	8,259581E+21	6,191345E+21	6,191458E+21	8,259876E+21	1,182736E+22
2424	1,587661E+22	1,932238E+22	2,130267E+22	2,130209E+22	1,932113E+22	1,587562E+22	1,182688E+22	8,259741E+21	6,191499E+21	6,191464E+21	8,259696E+21	1,182695E+22
2425	1,587590E+22	1,932141E+22	2,130194E+22	2,130240E+22	1,932216E+22	1,587649E+22	1,182741E+22	8,260027E+21	6,191631E+21	6,191480E+21	8,259580E+21	1,182677E+22
2426	1,587594E+22	1,932196E+22	2,130274E+22	2,130294E+22	1,932230E+22	1,587618E+22	1,182680E+22	8,259497E+21	6,191386E+21	6,191571E+21	8,259991E+21	1,182734E+22
2427	1,587633E+22	1,932188E+22	2,130210E+22	2,130186E+22	1,932147E+22	1,587605E+22	1,182702E+22	8,259628E+21	6,191266E+21	6,191215E+21	8,259527E+21	1,182685E+22
2428	1,587582E+22	1,932138E+22	2,130201E+22	2,130250E+22	1,932238E+22	1,587677E+22	1,182740E+22	8,259685E+21	6,191163E+21	6,191075E+21	8,259413E+21	1,182700E+22
2429	1,587652E+22	1,932249E+22	2,130292E+22	2,130277E+22	1,932193E+22	1,587592E+22	1,182663E+22	8,259181E+21	6,190846E+21	6,190922E+21	8,259403E+21	1,182701E+22
2430	1,587640E+22	1,932221E+22	2,130245E+22	2,130233E+22	1,932195E+22	1,587620E+22	1,182690E+22	8,259300E+21	6,190726E+21	6,190543E+21	8,258842E+21	1,182641E+22
2431	1,587598E+22	1,932229E+22	2,130326E+22	2,130340E+22	1,932274E+22	1,587659E+22	1,182679E+22	8,258936E+21	6,190464E+21	6,190542E+21	8,259144E+21	1,182697E+22
2432	1,587661E+22	1,932278E+22	2,130353E+22	2,130328E+22	1,932200E+22	1,587580E+22	1,182637E+22	8,258722E+21	6,190249E+21	6,190302E+21	8,258907E+21	1,182671E+22
2433	1,587620E+22	1,932203E+22	2,130258E+22	2,130306E+22	1,932276E+22	1,587667E+22	1,182696E+22	8,259013E+21	6,190300E+21	6,190159E+21	8,258603E+21	1,182638E+22
2434	1,587617E+22	1,932263E+22	2,130355E+22	2,130370E+22	1,932299E+22	1,587655E+22	1,182656E+22	8,258643E+21	6,190174E+21	6,190320E+21	8,259023E+21	1,182695E+22
2435	1,587666E+22	1,932280E+22	2,130325E+22	2,130274E+22	1,932183E+22	1,587601E+22	1,182661E+22	8,258879E+21	6,190326E+21	6,190295E+21	8,258817E+21	1,182652E+22
2436	1,587596E+22	1,932189E+22	2,130265E+22	2,130302E+22	1,932255E+22	1,587669E+22	1,182722E+22	8,259371E+21	6,190721E+21	6,190587E+21	8,258945E+21	1,182658E+22

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												
2437	1,587623E+22	1,932251E+22	2,130328E+22	2,130332E+22	1,932235E+22	1,587600E+22	1,182653E+22	8,259099E+21	6,190848E+21	6,191003E+21	8,259515E+21	1,182703E+22
2438	1,587623E+22	1,932194E+22	2,130221E+22	2,130210E+22	1,932176E+22	1,587610E+22	1,182693E+22	8,259552E+21	6,191210E+21	6,191144E+21	8,259403E+21	1,182672E+22
2439	1,587578E+22	1,932149E+22	2,130212E+22	2,130239E+22	1,932219E+22	1,587660E+22	1,182728E+22	8,259749E+21	6,191473E+21	6,191551E+21	8,259918E+21	1,182734E+22
2440	1,587649E+22	1,932212E+22	2,130239E+22	2,130210E+22	1,932121E+22	1,587557E+22	1,182682E+22	8,259789E+21	6,191693E+21	6,191789E+21	8,260079E+21	1,182731E+22
2441	1,587617E+22	1,932140E+22	2,130128E+22	2,130135E+22	1,932138E+22	1,587614E+22	1,182744E+22	8,260353E+21	6,192097E+21	6,191928E+21	8,259880E+21	1,182684E+22
2442	1,587575E+22	1,932155E+22	2,130216E+22	2,130224E+22	1,932184E+22	1,587618E+22	1,182718E+22	8,260129E+21	6,192133E+21	6,192252E+21	8,260425E+21	1,182746E+22
2443	1,587624E+22	1,932171E+22	2,130194E+22	2,130159E+22	1,932090E+22	1,587553E+22	1,182704E+22	8,260210E+21	6,192203E+21	6,192239E+21	8,260329E+21	1,182716E+22
2444	1,587558E+22	1,932064E+22	2,130092E+22	2,130147E+22	1,932167E+22	1,587645E+22	1,182773E+22	8,260603E+21	6,192365E+21	6,192224E+21	8,260179E+21	1,182707E+22
2445	1,587581E+22	1,932138E+22	2,130183E+22	2,130201E+22	1,932174E+22	1,587609E+22	1,182711E+22	8,260090E+21	6,192100E+21	6,192246E+21	8,260479E+21	1,182754E+22
2446	1,587620E+22	1,932139E+22	2,130131E+22	2,130106E+22	1,932094E+22	1,587588E+22	1,182726E+22	8,260201E+21	6,191989E+21	6,191878E+21	8,259937E+21	1,182699E+22
2447	1,587580E+22	1,932116E+22	2,130146E+22	2,130168E+22	1,932162E+22	1,587639E+22	1,182750E+22	8,260151E+21	6,191840E+21	6,191768E+21	8,259922E+21	1,182718E+22
2448	1,587637E+22	1,932219E+22	2,130254E+22	2,130229E+22	1,932135E+22	1,587548E+22	1,182668E+22	8,259658E+21	6,191522E+21	6,191598E+21	8,259899E+21	1,182715E+22
2449	1,587613E+22	1,932167E+22	2,130181E+22	2,130178E+22	1,932160E+22	1,587602E+22	1,182701E+22	8,259738E+21	6,191391E+21	6,191248E+21	8,259394E+21	1,182661E+22
2450	1,587568E+22	1,932166E+22	2,130262E+22	2,130291E+22	1,932242E+22	1,587647E+22	1,182692E+22	8,259329E+21	6,191057E+21	6,191171E+21	8,259630E+21	1,182718E+22
2451	1,587647E+22	1,932227E+22	2,130278E+22	2,130262E+22	1,932166E+22	1,587573E+22	1,182661E+22	8,259177E+21	6,190854E+21	6,190943E+21	8,259415E+21	1,182690E+22
2452	1,587604E+22	1,932155E+22	2,130176E+22	2,130209E+22	1,932207E+22	1,587649E+22	1,182729E+22	8,259671E+21	6,191089E+21	6,190893E+21	8,259110E+21	1,182654E+22
2453	1,587595E+22	1,932215E+22	2,130287E+22	2,130290E+22	1,932238E+22	1,587635E+22	1,182683E+22	8,259317E+21	6,191038E+21	6,191137E+21	8,259553E+21	1,182702E+22
2454	1,587627E+22	1,932213E+22	2,130251E+22	2,130211E+22	1,932140E+22	1,587581E+22	1,182683E+22	8,259526E+21	6,191225E+21	6,191180E+21	8,259420E+21	1,182669E+22
2455	1,587570E+22	1,932125E+22	2,130175E+22	2,130212E+22	1,932191E+22	1,587640E+22	1,182735E+22	8,259935E+21	6,191580E+21	6,191515E+21	8,259707E+21	1,182696E+22
2456	1,587606E+22	1,932186E+22	2,130238E+22	2,130246E+22	1,932173E+22	1,587573E+22	1,182675E+22	8,259717E+21	6,191684E+21	6,191862E+21	8,260208E+21	1,182740E+22
2457	1,587613E+22	1,932134E+22	2,130123E+22	2,130110E+22	1,932110E+22	1,587589E+22	1,182720E+22	8,260194E+21	6,192054E+21	6,191991E+21	8,260051E+21	1,182701E+22
2458	1,587564E+22	1,932101E+22	2,130145E+22	2,130164E+22	1,932154E+22	1,587630E+22	1,182746E+22	8,260345E+21	6,192281E+21	6,192339E+21	8,260465E+21	1,182752E+22
2459	1,587634E+22	1,932174E+22	2,130184E+22	2,130149E+22	1,932075E+22	1,587536E+22	1,182702E+22	8,260349E+21	6,192477E+21	6,192607E+21	8,260679E+21	1,182744E+22
2460	1,587584E+22	1,932082E+22	2,130058E+22	2,130058E+22	1,932079E+22	1,587593E+22	1,182772E+22	8,261029E+21	6,192969E+21	6,192786E+21	8,260516E+21	1,182704E+22
2461	1,587541E+22	1,932084E+22	2,130134E+22	2,130156E+22	1,932149E+22	1,587613E+22	1,182745E+22	8,260754E+21	6,192970E+21	6,193078E+21	8,261025E+21	1,182766E+22
2462	1,587592E+22	1,932094E+22	2,130098E+22	2,130082E+22	1,932056E+22	1,587553E+22	1,182733E+22	8,260788E+21	6,192969E+21	6,192995E+21	8,260869E+21	1,182743E+22
2463	1,587554E+22	1,932015E+22	2,129996E+22	2,130035E+22	1,932086E+22	1,587617E+22	1,182793E+22	8,261150E+21	6,193085E+21	6,192948E+21	8,260747E+21	1,182738E+22
2464	1,587580E+22	1,932105E+22	2,130120E+22	2,130118E+22	1,932098E+22	1,587567E+22	1,182726E+22	8,260655E+21	6,192812E+21	6,192909E+21	8,260934E+21	1,182770E+22
2465	1,587605E+22	1,932102E+22	2,130077E+22	2,130038E+22	1,932032E+22	1,587553E+22	1,182735E+22	8,260689E+21	6,192689E+21	6,192579E+21	8,260424E+21	1,182709E+22
2466	1,587547E+22	1,932069E+22	2,130113E+22	2,130135E+22	1,932121E+22	1,587604E+22	1,182750E+22	8,260535E+21	6,192453E+21	6,192411E+21	8,260393E+21	1,182730E+22
2467	1,587609E+22	1,932165E+22	2,130200E+22	2,130192E+22	1,932122E+22	1,587542E+22	1,182677E+22	8,259988E+21	6,192074E+21	6,192232E+21	8,260418E+21	1,182733E+22
2468	1,587586E+22	1,932103E+22	2,130099E+22	2,130100E+22	1,932120E+22	1,587602E+22	1,182731E+22	8,260259E+21	6,192037E+21	6,191892E+21	8,259894E+21	1,182684E+22
2469	1,587553E+22	1,932110E+22	2,130179E+22	2,130211E+22	1,932202E+22	1,587646E+22	1,182726E+22	8,259937E+21	6,191768E+21	6,191817E+21	8,260047E+21	1,182728E+22
2470	1,587625E+22	1,932174E+22	2,130202E+22	2,130186E+22	1,932123E+22	1,587566E+22	1,182692E+22	8,259817E+21	6,191646E+21	6,191660E+21	8,259855E+21	1,182703E+22
2471	1,587590E+22	1,932113E+22	2,130106E+22	2,130116E+22	1,932129E+22	1,587614E+22	1,182749E+22	8,260281E+21	6,191921E+21	6,191736E+21	8,259745E+21	1,182678E+22
2472	1,587573E+22	1,932160E+22	2,130223E+22	2,130222E+22	1,932173E+22	1,587592E+22	1,182697E+22	8,259945E+21	6,191889E+21	6,191999E+21	8,260223E+21	1,182729E+22

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												
2473	1,587600E+22	1,932141E+22	2,130161E+22	2,130131E+22	1,932089E+22	1,587559E+22	1,182697E+22	8,260085E+21	6,192068E+21	6,192087E+21	8,260166E+21	1,182705E+22
2474	1,587550E+22	1,932061E+22	2,130099E+22	2,130134E+22	1,932133E+22	1,587613E+22	1,182748E+22	8,260430E+21	6,192324E+21	6,192314E+21	8,260360E+21	1,182732E+22
2475	1,587606E+22	1,932144E+22	2,130161E+22	2,130160E+22	1,932117E+22	1,587554E+22	1,182696E+22	8,260252E+21	6,192428E+21	6,192642E+21	8,260808E+21	1,182765E+22
2476	1,587604E+22	1,932094E+22	2,130052E+22	2,130016E+22	1,932037E+22	1,587565E+22	1,182750E+22	8,260900E+21	6,192931E+21	6,192811E+21	8,260605E+21	1,182718E+22
2477	1,587544E+22	1,932056E+22	2,130084E+22	2,130097E+22	1,932105E+22	1,587610E+22	1,182772E+22	8,261041E+21	6,193186E+21	6,193182E+21	8,260983E+21	1,182754E+22
2478	1,587588E+22	1,932101E+22	2,130110E+22	2,130093E+22	1,932047E+22	1,587529E+22	1,182729E+22	8,261023E+21	6,193375E+21	6,193464E+21	8,261246E+21	1,182758E+22
2479	1,587551E+22	1,932006E+22	2,129965E+22	2,129970E+22	1,932023E+22	1,587576E+22	1,182794E+22	8,261619E+21	6,193801E+21	6,193658E+21	8,261211E+21	1,182735E+22
2480	1,587517E+22	1,932007E+22	2,130037E+22	2,130065E+22	1,932085E+22	1,587590E+22	1,182772E+22	8,261381E+21	6,193753E+21	6,193854E+21	8,261623E+21	1,182793E+22
2481	1,587576E+22	1,932030E+22	2,129999E+22	2,129981E+22	1,931989E+22	1,587532E+22	1,182758E+22	8,261387E+21	6,193744E+21	6,193757E+21	8,261438E+21	1,182766E+22
2482	1,587539E+22	1,931974E+22	2,129941E+22	2,129960E+22	1,932016E+22	1,587578E+22	1,182800E+22	8,261617E+21	6,193762E+21	6,193623E+21	8,261227E+21	1,182756E+22
2483	1,587571E+22	1,932076E+22	2,130076E+22	2,130063E+22	1,932049E+22	1,587540E+22	1,182733E+22	8,261055E+21	6,193440E+21	6,193587E+21	8,261439E+21	1,182783E+22
2484	1,587581E+22	1,932055E+22	2,130025E+22	2,129983E+22	1,931986E+22	1,587530E+22	1,182749E+22	8,261174E+21	6,193362E+21	6,193260E+21	8,260945E+21	1,182729E+22
2485	1,587524E+22	1,932010E+22	2,130045E+22	2,130086E+22	1,932103E+22	1,587603E+22	1,182766E+22	8,260987E+21	6,193095E+21	6,193055E+21	8,260859E+21	1,182746E+22
2486	1,587585E+22	1,932101E+22	2,130119E+22	2,130129E+22	1,932101E+22	1,587553E+22	1,182708E+22	8,260495E+21	6,192710E+21	6,192838E+21	8,260843E+21	1,182754E+22
2487	1,587582E+22	1,932060E+22	2,130019E+22	2,130002E+22	1,932048E+22	1,587582E+22	1,182757E+22	8,260818E+21	6,192736E+21	6,192575E+21	8,260403E+21	1,182708E+22
2488	1,587545E+22	1,932070E+22	2,130115E+22	2,130131E+22	1,932129E+22	1,587612E+22	1,182748E+22	8,260574E+21	6,192547E+21	6,192540E+21	8,260519E+21	1,182739E+22
2489	1,587599E+22	1,932122E+22	2,130135E+22	2,130112E+22	1,932061E+22	1,587537E+22	1,182707E+22	8,260407E+21	6,192475E+21	6,192496E+21	8,260454E+21	1,182717E+22
2490	1,587553E+22	1,932052E+22	2,130050E+22	2,130059E+22	1,932073E+22	1,587577E+22	1,182751E+22	8,260761E+21	6,192678E+21	6,192543E+21	8,260379E+21	1,182704E+22
2491	1,587553E+22	1,932099E+22	2,130147E+22	2,130155E+22	1,932135E+22	1,587578E+22	1,182709E+22	8,260387E+21	6,192604E+21	6,192803E+21	8,260887E+21	1,182760E+22
2492	1,587584E+22	1,932078E+22	2,130070E+22	2,130036E+22	1,932025E+22	1,587543E+22	1,182726E+22	8,260704E+21	6,192858E+21	6,192879E+21	8,260788E+21	1,182738E+22
2493	1,587544E+22	1,932010E+22	2,130014E+22	2,130050E+22	1,932082E+22	1,587601E+22	1,182777E+22	8,261096E+21	6,193162E+21	6,193090E+21	8,260868E+21	1,182746E+22
2494	1,587587E+22	1,932096E+22	2,130091E+22	2,130086E+22	1,932072E+22	1,587547E+22	1,182728E+22	8,260942E+21	6,193309E+21	6,193447E+21	8,261305E+21	1,182777E+22
2495	1,587583E+22	1,932044E+22	2,129984E+22	2,129930E+22	1,931961E+22	1,587534E+22	1,182774E+22	8,261589E+21	6,193857E+21	6,193733E+21	8,261270E+21	1,182738E+22
2496	1,587512E+22	1,931986E+22	2,130009E+22	2,130031E+22	1,932049E+22	1,587580E+22	1,182794E+22	8,261746E+21	6,194108E+21	6,194089E+21	8,261642E+21	1,182774E+22
2497	1,587551E+22	1,932015E+22	2,130008E+22	2,130010E+22	1,932000E+22	1,587518E+22	1,182752E+22	8,261636E+21	6,194252E+21	6,194380E+21	8,261967E+21	1,182788E+22
2498	1,587523E+22	1,931933E+22	2,129878E+22	2,129881E+22	1,931956E+22	1,587552E+22	1,182812E+22	8,262139E+21	6,194534E+21	6,194428E+21	8,261838E+21	1,182770E+22
2499	1,587517E+22	1,931963E+22	2,129955E+22	2,129974E+22	1,932020E+22	1,587567E+22	1,182789E+22	8,261872E+21	6,194443E+21	6,194568E+21	8,262158E+21	1,182815E+22
2500	1,587568E+22	1,931992E+22	2,129932E+22	2,129893E+22	1,931913E+22	1,587501E+22	1,182776E+22	8,261959E+21	6,194490E+21	6,194473E+21	8,261934E+21	1,182783E+22
2501	1,587524E+22	1,931936E+22	2,129889E+22	2,129909E+22	1,931976E+22	1,587554E+22	1,182809E+22	8,262115E+21	6,194474E+21	6,194310E+21	8,261666E+21	1,182760E+22
2502	1,587539E+22	1,932021E+22	2,130020E+22	2,130022E+22	1,932031E+22	1,587536E+22	1,182750E+22	8,261531E+21	6,194111E+21	6,194236E+21	8,261891E+21	1,182799E+22
2503	1,587561E+22	1,931996E+22	2,129952E+22	2,129914E+22	1,931941E+22	1,587520E+22	1,182768E+22	8,261634E+21	6,194010E+21	6,193939E+21	8,261490E+21	1,182756E+22
2504	1,587511E+22	1,931954E+22	2,129969E+22	2,130016E+22	1,932052E+22	1,587589E+22	1,182794E+22	8,261542E+21	6,193748E+21	6,193673E+21	8,261297E+21	1,182762E+22
2505	1,587568E+22	1,932047E+22	2,130036E+22	2,130046E+22	1,932047E+22	1,587542E+22	1,182735E+22	8,261070E+21	6,193432E+21	6,193528E+21	8,261316E+21	1,182766E+22
2506	1,587559E+22	1,932020E+22	2,129970E+22	2,129933E+22	1,931980E+22	1,587550E+22	1,182769E+22	8,261310E+21	6,193427E+21	6,193267E+21	8,260899E+21	1,182724E+22
2507	1,587530E+22	1,932030E+22	2,130060E+22	2,130069E+22	1,932073E+22	1,587584E+22	1,182758E+22	8,261041E+21	6,193263E+21	6,193306E+21	8,261088E+21	1,182754E+22
2508	1,587570E+22	1,932062E+22	2,130065E+22	2,130044E+22	1,932008E+22	1,587513E+22	1,182723E+22	8,260966E+21	6,193269E+21	6,193316E+21	8,261104E+21	1,182747E+22

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°
2509	1,587536E+22	1,931988E+22	2,129966E+22	2,129994E+22	1,932040E+22	1,587564E+22	1,182763E+22	8,261264E+21	6,193438E+21	6,193323E+21	8,260968E+21	1,182730E+22
2510	1,587538E+22	1,932040E+22	2,130057E+22	2,130074E+22	1,932090E+22	1,587576E+22	1,182739E+22	8,260985E+21	6,193370E+21	6,193535E+21	8,261425E+21	1,182790E+22
2511	1,587584E+22	1,932035E+22	2,129990E+22	2,129937E+22	1,931945E+22	1,587515E+22	1,182751E+22	8,261353E+21	6,193698E+21	6,193693E+21	8,261373E+21	1,182762E+22
2512	1,587532E+22	1,931968E+22	2,129951E+22	2,129973E+22	1,932007E+22	1,587567E+22	1,182802E+22	8,261807E+21	6,194067E+21	6,193941E+21	8,261407E+21	1,182752E+22
2513	1,587549E+22	1,932031E+22	2,130017E+22	2,130015E+22	1,932018E+22	1,587528E+22	1,182752E+22	8,261633E+21	6,194264E+21	6,194402E+21	8,261967E+21	1,182786E+22
2514	1,587534E+22	1,931969E+22	2,129914E+22	2,129868E+22	1,931909E+22	1,587508E+22	1,182787E+22	8,262157E+21	6,194711E+21	6,194634E+21	8,261971E+21	1,182765E+22
2515	1,587485E+22	1,931908E+22	2,129909E+22	2,129949E+22	1,932004E+22	1,587572E+22	1,182816E+22	8,262275E+21	6,194903E+21	6,194953E+21	8,262322E+21	1,182803E+22
2516	1,587530E+22	1,931941E+22	2,129901E+22	2,129904E+22	1,931931E+22	1,587503E+22	1,182785E+22	8,262294E+21	6,195071E+21	6,195187E+21	8,262597E+21	1,182822E+22
2517	1,587518E+22	1,931881E+22	2,129785E+22	2,129792E+22	1,931898E+22	1,587530E+22	1,182832E+22	8,262738E+21	6,195318E+21	6,195162E+21	8,262332E+21	1,182787E+22
2518	1,587505E+22	1,931925E+22	2,129891E+22	2,129900E+22	1,931964E+22	1,587551E+22	1,182813E+22	8,262455E+21	6,195194E+21	6,195263E+21	8,262625E+21	1,182833E+22
2519	1,587557E+22	1,931955E+22	2,129879E+22	2,129824E+22	1,931843E+22	1,587465E+22	1,182789E+22	8,262487E+21	6,195237E+21	6,195233E+21	8,262509E+21	1,182805E+22
2520	1,587506E+22	1,931889E+22	2,129835E+22	2,129864E+22	1,931932E+22	1,587529E+22	1,182822E+22	8,262618E+21	6,195181E+21	6,195023E+21	8,262187E+21	1,182777E+22
2521	1,587513E+22	1,931958E+22	2,129941E+22	2,129959E+22	1,932000E+22	1,587537E+22	1,182770E+22	8,261998E+21	6,194786E+21	6,194946E+21	8,262431E+21	1,182817E+22
2522	1,587538E+22	1,931946E+22	2,129887E+22	2,129845E+22	1,931887E+22	1,587503E+22	1,182785E+22	8,262067E+21	6,194599E+21	6,194542E+21	8,261959E+21	1,182779E+22
2523	1,587509E+22	1,931919E+22	2,129901E+22	2,129943E+22	1,931998E+22	1,587572E+22	1,182812E+22	8,262006E+21	6,194383E+21	6,194302E+21	8,261710E+21	1,182769E+22
2524	1,587547E+22	1,932004E+22	2,129975E+22	2,129973E+22	1,931980E+22	1,587514E+22	1,182755E+22	8,261640E+21	6,194173E+21	6,194235E+21	8,261792E+21	1,182776E+22
2525	1,587533E+22	1,931966E+22	2,129906E+22	2,129884E+22	1,931941E+22	1,587525E+22	1,182778E+22	8,261821E+21	6,194170E+21	6,194003E+21	8,261403E+21	1,182732E+22
2526	1,587496E+22	1,931967E+22	2,129987E+22	2,130014E+22	1,932043E+22	1,587579E+22	1,182778E+22	8,261549E+21	6,193985E+21	6,194029E+21	8,261647E+21	1,182780E+22
2527	1,587553E+22	1,931997E+22	2,129973E+22	2,129955E+22	1,931945E+22	1,587494E+22	1,182743E+22	8,261492E+21	6,194021E+21	6,194113E+21	8,261759E+21	1,182783E+22
2528	1,587531E+22	1,931935E+22	2,129881E+22	2,129910E+22	1,931975E+22	1,587543E+22	1,182791E+22	8,261880E+21	6,194217E+21	6,194081E+21	8,261512E+21	1,182752E+22
2529	1,587526E+22	1,931989E+22	2,129973E+22	2,129986E+22	1,932029E+22	1,587560E+22	1,182766E+22	8,261637E+21	6,194234E+21	6,194372E+21	8,261993E+21	1,182802E+22
2530	1,587558E+22	1,931993E+22	2,129936E+22	2,129867E+22	1,931874E+22	1,587481E+22	1,182768E+22	8,261943E+21	6,194532E+21	6,194532E+21	8,261972E+21	1,182780E+22
2531	1,587510E+22	1,931917E+22	2,129886E+22	2,129910E+22	1,931955E+22	1,587544E+22	1,182819E+22	8,262391E+21	6,194925E+21	6,194835E+21	8,262047E+21	1,182766E+22
2532	1,587508E+22	1,931952E+22	2,129929E+22	2,129940E+22	1,931965E+22	1,587511E+22	1,182777E+22	8,262291E+21	6,195168E+21	6,195326E+21	8,262687E+21	1,182817E+22
2533	1,587509E+22	1,931889E+22	2,129806E+22	2,129788E+22	1,931870E+22	1,587501E+22	1,182812E+22	8,262753E+21	6,195543E+21	6,195483E+21	8,262619E+21	1,182794E+22
2534	1,587471E+22	1,931847E+22	2,129806E+22	2,129849E+22	1,931945E+22	1,587566E+22	1,182851E+22	8,262923E+21	6,195698E+21	6,195706E+21	8,262896E+21	1,182836E+22
2535	1,587530E+22	1,931899E+22	2,129816E+22	2,129796E+22	1,931839E+22	1,587466E+22	1,182807E+22	8,262939E+21	6,195912E+21	6,195999E+21	8,263189E+21	1,182848E+22
2536	1,587514E+22	1,931850E+22	2,129731E+22	2,129721E+22	1,931822E+22	1,587488E+22	1,182847E+22	8,263333E+21	6,196128E+21	6,195942E+21	8,262842E+21	1,182796E+22
2537	1,587476E+22	1,931875E+22	2,129833E+22	2,129844E+22	1,931916E+22	1,587527E+22	1,182828E+22	8,263000E+21	6,195989E+21	6,196073E+21	8,263197E+21	1,182841E+22
2538	1,587518E+22	1,931901E+22	2,129830E+22	2,129782E+22	1,931806E+22	1,587444E+22	1,182795E+22	8,262890E+21	6,195881E+21	6,195930E+21	8,263065E+21	1,182828E+22
2539	1,587487E+22	1,931833E+22	2,129762E+22	2,129804E+22	1,931899E+22	1,587525E+22	1,182841E+22	8,263022E+21	6,195783E+21	6,195670E+21	8,262666E+21	1,182792E+22
2540	1,587489E+22	1,931898E+22	2,129857E+22	2,129880E+22	1,931950E+22	1,587531E+22	1,182803E+22	8,262557E+21	6,195451E+21	6,195576E+21	8,262883E+21	1,182835E+22
2541	1,587525E+22	1,931898E+22	2,129809E+22	2,129780E+22	1,931848E+22	1,587489E+22	1,182804E+22	8,262580E+21	6,195270E+21	6,195165E+21	8,262346E+21	1,182785E+22
2542	1,587487E+22	1,931876E+22	2,129834E+22	2,129872E+22	1,931947E+22	1,587560E+22	1,182838E+22	8,262557E+21	6,195080E+21	6,194953E+21	8,262170E+21	1,182785E+22
2543	1,587524E+22	1,931951E+22	2,129907E+22	2,129901E+22	1,931914E+22	1,587479E+22	1,182769E+22	8,262180E+21	6,194932E+21	6,195018E+21	8,262413E+21	1,182803E+22
2544	1,587514E+22	1,931911E+22	2,129836E+22	2,129823E+22	1,931889E+22	1,587497E+22	1,182790E+22	8,262312E+21	6,194906E+21	6,194779E+21	8,262010E+21	1,182759E+22

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												
2545	1,587476E+22	1,931904E+22	2,129898E+22	2,129933E+22	1,931993E+22	1,587569E+22	1,182800E+22	8,262064E+21	6,194730E+21	6,194823E+21	8,262278E+21	1,182807E+22
2546	1,587540E+22	1,931957E+22	2,129906E+22	2,129873E+22	1,931877E+22	1,587466E+22	1,182759E+22	8,261975E+21	6,194702E+21	6,194820E+21	8,262317E+21	1,182812E+22
2547	1,587532E+22	1,931907E+22	2,129817E+22	2,129833E+22	1,931912E+22	1,587518E+22	1,182807E+22	8,262414E+21	6,194979E+21	6,194837E+21	8,262000E+21	1,182760E+22
2548	1,587499E+22	1,931942E+22	2,129910E+22	2,129914E+22	1,931965E+22	1,587536E+22	1,182793E+22	8,262302E+21	6,195107E+21	6,195215E+21	8,262559E+21	1,182813E+22
2549	1,587523E+22	1,931926E+22	2,129859E+22	2,129818E+22	1,931843E+22	1,587463E+22	1,182786E+22	8,262566E+21	6,195409E+21	6,195401E+21	8,262572E+21	1,182791E+22
2550	1,587468E+22	1,931840E+22	2,129792E+22	2,129837E+22	1,931921E+22	1,587545E+22	1,182852E+22	8,263045E+21	6,195783E+21	6,195683E+21	8,262713E+21	1,182797E+22
2551	1,587482E+22	1,931871E+22	2,129818E+22	2,129836E+22	1,931894E+22	1,587493E+22	1,182810E+22	8,262973E+21	6,196056E+21	6,196229E+21	8,263414E+21	1,182855E+22
2552	1,587501E+22	1,931829E+22	2,129709E+22	2,129688E+22	1,931792E+22	1,587474E+22	1,182842E+22	8,263443E+21	6,196414E+21	6,196327E+21	8,263230E+21	1,182819E+22
2553	1,587458E+22	1,931799E+22	2,129722E+22	2,129751E+22	1,931870E+22	1,587540E+22	1,182876E+22	8,263584E+21	6,196586E+21	6,196576E+21	8,263499E+21	1,182850E+22
2554	1,587509E+22	1,931867E+22	2,129768E+22	2,129724E+22	1,931765E+22	1,587425E+22	1,182815E+22	8,263459E+21	6,196684E+21	6,196796E+21	8,263786E+21	1,182870E+22
2555	1,587499E+22	1,931813E+22	2,129682E+22	2,129673E+22	1,931780E+22	1,587461E+22	1,182852E+22	8,263791E+21	6,196862E+21	6,196715E+21	8,263401E+21	1,182811E+22
2556	1,587445E+22	1,931812E+22	2,129764E+22	2,129790E+22	1,931881E+22	1,587515E+22	1,182846E+22	8,263498E+21	6,196704E+21	6,196810E+21	8,263772E+21	1,182867E+22
2557	1,587497E+22	1,931831E+22	2,129740E+22	2,129727E+22	1,931787E+22	1,587443E+22	1,182818E+22	8,263351E+21	6,196507E+21	6,196561E+21	8,263525E+21	1,182845E+22
2558	1,587472E+22	1,931784E+22	2,129681E+22	2,129725E+22	1,931858E+22	1,587527E+22	1,182876E+22	8,263565E+21	6,196396E+21	6,196223E+21	8,263072E+21	1,182810E+22
2559	1,587475E+22	1,931852E+22	2,129782E+22	2,129789E+22	1,931874E+22	1,587501E+22	1,182826E+22	8,263132E+21	6,196173E+21	6,196256E+21	8,263348E+21	1,182848E+22
2560	1,587507E+22	1,931859E+22	2,129753E+22	2,129713E+22	1,931783E+22	1,587456E+22	1,182821E+22	8,263121E+21	6,196004E+21	6,195884E+21	8,262826E+21	1,182792E+22
2561	1,587455E+22	1,931820E+22	2,129767E+22	2,129807E+22	1,931899E+22	1,587536E+22	1,182851E+22	8,263066E+21	6,195833E+21	6,195740E+21	8,262759E+21	1,182799E+22
2562	1,587492E+22	1,931897E+22	2,129843E+22	2,129837E+22	1,931864E+22	1,587453E+22	1,182774E+22	8,262571E+21	6,195570E+21	6,195730E+21	8,263026E+21	1,182838E+22
2563	1,587508E+22	1,931864E+22	2,129762E+22	2,129753E+22	1,931844E+22	1,587481E+22	1,182802E+22	8,262720E+21	6,195535E+21	6,195453E+21	8,262529E+21	1,182782E+22
2564	1,587464E+22	1,931856E+22	2,129822E+22	2,129851E+22	1,931934E+22	1,587549E+22	1,182826E+22	8,262640E+21	6,195450E+21	6,195517E+21	8,262782E+21	1,182828E+22
2565	1,587530E+22	1,931913E+22	2,129835E+22	2,129813E+22	1,931838E+22	1,587449E+22	1,182780E+22	8,262545E+21	6,195457E+21	6,195534E+21	8,262768E+21	1,182818E+22
2566	1,587506E+22	1,931865E+22	2,129758E+22	2,129767E+22	1,931864E+22	1,587507E+22	1,182840E+22	8,263069E+21	6,195791E+21	6,195607E+21	8,262551E+21	1,182775E+22
2567	1,587462E+22	1,931873E+22	2,129831E+22	2,129840E+22	1,931905E+22	1,587508E+22	1,182818E+22	8,262999E+21	6,196040E+21	6,196150E+21	8,263263E+21	1,182838E+22
2568	1,587494E+22	1,931852E+22	2,129768E+22	2,129740E+22	1,931792E+22	1,587446E+22	1,182813E+22	8,263222E+21	6,196326E+21	6,196342E+21	8,263291E+21	1,182820E+22
2569	1,587444E+22	1,931763E+22	2,129680E+22	2,129730E+22	1,931858E+22	1,587534E+22	1,182886E+22	8,263728E+21	6,196695E+21	6,196621E+21	8,263446E+21	1,182828E+22
2570	1,587468E+22	1,931822E+22	2,129732E+22	2,129732E+22	1,931810E+22	1,587456E+22	1,182828E+22	8,263576E+21	6,196875E+21	6,197061E+21	8,264071E+21	1,182891E+22
2571	1,587502E+22	1,931799E+22	2,129644E+22	2,129603E+22	1,931716E+22	1,587433E+22	1,182851E+22	8,263995E+21	6,197237E+21	6,197147E+21	8,263782E+21	1,182833E+22
2572	1,587435E+22	1,931753E+22	2,129664E+22	2,129684E+22	1,931805E+22	1,587505E+22	1,182892E+22	8,264185E+21	6,197423E+21	6,197412E+21	8,264096E+21	1,182867E+22
2573	1,587479E+22	1,931805E+22	2,129701E+22	2,129686E+22	1,931745E+22	1,587407E+22	1,182826E+22	8,263945E+21	6,197420E+21	6,197549E+21	8,264318E+21	1,182882E+22
2574	1,587465E+22	1,931748E+22	2,129605E+22	2,129612E+22	1,931756E+22	1,587468E+22	1,182881E+22	8,264306E+21	6,197529E+21	6,197383E+21	8,263938E+21	1,182836E+22
2575	1,587420E+22	1,931740E+22	2,129669E+22	2,129703E+22	1,931827E+22	1,587506E+22	1,182879E+22	8,264092E+21	6,197419E+21	6,197504E+21	8,264297E+21	1,182892E+22
2576	1,587486E+22	1,931780E+22	2,129657E+22	2,129642E+22	1,931729E+22	1,587427E+22	1,182849E+22	8,263943E+21	6,197221E+21	6,197223E+21	8,263964E+21	1,182857E+22
2577	1,587452E+22	1,931738E+22	2,129606E+22	2,129635E+22	1,931794E+22	1,587508E+22	1,182902E+22	8,264156E+21	6,197152E+21	6,196953E+21	8,263560E+21	1,182817E+22
2578	1,587448E+22	1,931815E+22	2,129733E+22	2,129719E+22	1,931805E+22	1,587461E+22	1,182832E+22	8,263586E+21	6,196838E+21	6,196952E+21	8,263894E+21	1,182871E+22
2579	1,587491E+22	1,931818E+22	2,129702E+22	2,129661E+22	1,931737E+22	1,587423E+22	1,182819E+22	8,263507E+21	6,196662E+21	6,196592E+21	8,263370E+21	1,182812E+22
2580	1,587431E+22	1,931763E+22	2,129698E+22	2,129744E+22	1,931856E+22	1,587516E+22	1,182863E+22	8,263502E+21	6,196491E+21	6,196449E+21	8,263347E+21	1,182832E+22

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	1,587484E+22	1,931841E+22	2,129762E+22	2,129776E+22	1,931835E+22	1,587443E+22	1,182791E+22	8,263002E+21	6,196172E+21	6,196344E+21	8,263490E+21	1,182860E+22
2582	1,587504E+22	1,931831E+22	2,129697E+22	2,129677E+22	1,931797E+22	1,587474E+22	1,182833E+22	8,263276E+21	6,196181E+21	6,196047E+21	8,262965E+21	1,182802E+22
2583	1,587450E+22	1,931814E+22	2,129758E+22	2,129772E+22	1,931865E+22	1,587518E+22	1,182851E+22	8,263293E+21	6,196270E+21	6,196282E+21	8,263281E+21	1,182839E+22
2584	1,587503E+22	1,931863E+22	2,129777E+22	2,129751E+22	1,931786E+22	1,587426E+22	1,182805E+22	8,263201E+21	6,196334E+21	6,196389E+21	8,263335E+21	1,182824E+22
2585	1,587460E+22	1,931790E+22	2,129677E+22	2,129695E+22	1,931821E+22	1,587495E+22	1,182868E+22	8,263749E+21	6,196723E+21	6,196560E+21	8,263254E+21	1,182791E+22
2586	1,587421E+22	1,931796E+22	2,129739E+22	2,129751E+22	1,931846E+22	1,587487E+22	1,182838E+22	8,263582E+21	6,196881E+21	6,197047E+21	8,264007E+21	1,182878E+22
2587	1,587482E+22	1,931788E+22	2,129671E+22	2,129644E+22	1,931731E+22	1,587425E+22	1,182834E+22	8,263822E+21	6,197168E+21	6,197202E+21	8,263947E+21	1,182851E+22
2588	1,587432E+22	1,931707E+22	2,129588E+22	2,129627E+22	1,931781E+22	1,587501E+22	1,182909E+22	8,264389E+21	6,197563E+21	6,197472E+21	8,264082E+21	1,182858E+22
2589	1,587459E+22	1,931771E+22	2,129653E+22	2,129655E+22	1,931753E+22	1,587427E+22	1,182845E+22	8,264163E+21	6,197690E+21	6,197855E+21	8,264614E+21	1,182907E+22
2590	1,587483E+22	1,931759E+22	2,129590E+22	2,129539E+22	1,931665E+22	1,587415E+22	1,182875E+22	8,264586E+21	6,198000E+21	6,197902E+21	8,264361E+21	1,182855E+22
2591	1,587405E+22	1,931689E+22	2,129593E+22	2,129619E+22	1,931753E+22	1,587477E+22	1,182909E+22	8,264787E+21	6,198254E+21	6,198246E+21	8,264727E+21	1,182892E+22
2592	1,587456E+22	1,931740E+22	2,129620E+22	2,129617E+22	1,931709E+22	1,587404E+22	1,182853E+22	8,264503E+21	6,198187E+21	6,198327E+21	8,264891E+21	1,182903E+22
2593	1,587442E+22	1,931684E+22	2,129514E+22	2,129521E+22	1,931708E+22	1,587467E+22	1,182916E+22	8,264912E+21	6,198282E+21	6,198127E+21	8,264473E+21	1,182853E+22
2594	1,587403E+22	1,931697E+22	2,129596E+22	2,129610E+22	1,931754E+22	1,587476E+22	1,182897E+22	8,264625E+21	6,198104E+21	6,198163E+21	8,264772E+21	1,182911E+22
2595	1,587479E+22	1,931749E+22	2,129603E+22	2,129570E+22	1,931666E+22	1,587392E+22	1,182855E+22	8,264430E+21	6,197925E+21	6,197899E+21	8,264392E+21	1,182862E+22
2596	1,587423E+22	1,931689E+22	2,129551E+22	2,129574E+22	1,931735E+22	1,587472E+22	1,182910E+22	8,264648E+21	6,197858E+21	6,197673E+21	8,264097E+21	1,182834E+22
2597	1,587421E+22	1,931750E+22	2,129666E+22	2,129678E+22	1,931782E+22	1,587442E+22	1,182837E+22	8,263979E+21	6,197456E+21	6,197603E+21	8,264394E+21	1,182890E+22
2598	1,587470E+22	1,931763E+22	2,129636E+22	2,129602E+22	1,931708E+22	1,587423E+22	1,182841E+22	8,263931E+21	6,197221E+21	6,197181E+21	8,263887E+21	1,182843E+22
2599	1,587418E+22	1,931705E+22	2,129618E+22	2,129665E+22	1,931801E+22	1,587497E+22	1,182886E+22	8,264048E+21	6,197172E+21	6,197110E+21	8,263847E+21	1,182857E+22
2600	1,587481E+22	1,931804E+22	2,129695E+22	2,129698E+22	1,931784E+22	1,587432E+22	1,182819E+22	8,263583E+21	6,196905E+21	6,197029E+21	8,263926E+21	1,182869E+22
2601	1,587483E+22	1,931788E+22	2,129635E+22	2,129598E+22	1,931742E+22	1,587461E+22	1,182863E+22	8,263931E+21	6,197020E+21	6,196853E+21	8,263490E+21	1,182807E+22
2602	1,587418E+22	1,931766E+22	2,129701E+22	2,129705E+22	1,931804E+22	1,587486E+22	1,182866E+22	8,263883E+21	6,197089E+21	6,197111E+21	8,263906E+21	1,182861E+22
2603	1,587477E+22	1,931803E+22	2,129707E+22	2,129689E+22	1,931742E+22	1,587399E+22	1,182813E+22	8,263759E+21	6,197189E+21	6,197271E+21	8,264000E+21	1,182849E+22
2604	1,587429E+22	1,931710E+22	2,129580E+22	2,129605E+22	1,931764E+22	1,587478E+22	1,182891E+22	8,264354E+21	6,197574E+21	6,197462E+21	8,264002E+21	1,182832E+22
2605	1,587411E+22	1,931722E+22	2,129633E+22	2,129661E+22	1,931794E+22	1,587471E+22	1,182861E+22	8,264156E+21	6,197655E+21	6,197830E+21	8,264610E+21	1,182908E+22
2606	1,587478E+22	1,931747E+22	2,129591E+22	2,129545E+22	1,931659E+22	1,587403E+22	1,182861E+22	8,264455E+21	6,197951E+21	6,197956E+21	8,264519E+21	1,182878E+22
2607	1,587419E+22	1,931660E+22	2,129518E+22	2,129538E+22	1,931699E+22	1,587459E+22	1,182926E+22	8,265069E+21	6,198470E+21	6,198340E+21	8,264674E+21	1,182876E+22
2608	1,587440E+22	1,931724E+22	2,129593E+22	2,129588E+22	1,931699E+22	1,587403E+22	1,182865E+22	8,264790E+21	6,198571E+21	6,198726E+21	8,265201E+21	1,182917E+22
2609	1,587443E+22	1,931689E+22	2,129516E+22	2,129474E+22	1,931628E+22	1,587407E+22	1,182902E+22	8,265220E+21	6,198872E+21	6,198782E+21	8,264992E+21	1,182870E+22
2610	1,587372E+22	1,931622E+22	2,129511E+22	2,129541E+22	1,931703E+22	1,587462E+22	1,182930E+22	8,265328E+21	6,198998E+21	6,199013E+21	8,265330E+21	1,182921E+22
2611	1,587443E+22	1,931684E+22	2,129537E+22	2,129536E+22	1,931658E+22	1,587389E+22	1,182874E+22	8,265063E+21	6,198926E+21	6,199036E+21	8,265383E+21	1,182919E+22
2612	1,587421E+22	1,931629E+22	2,129435E+22	2,129433E+22	1,931641E+22	1,587445E+22	1,182940E+22	8,265499E+21	6,199031E+21	6,198848E+21	8,264989E+21	1,182872E+22
2613	1,587386E+22	1,931641E+22	2,129524E+22	2,129545E+22	1,931704E+22	1,587452E+22	1,182911E+22	8,265112E+21	6,198778E+21	6,198822E+21	8,265216E+21	1,182921E+22
2614	1,587456E+22	1,931706E+22	2,129553E+22	2,129515E+22	1,931619E+22	1,587373E+22	1,182871E+22	8,264909E+21	6,198560E+21	6,198548E+21	8,264925E+21	1,182886E+22
2615	1,587399E+22	1,931629E+22	2,129484E+22	2,129515E+22	1,931686E+22	1,587442E+22	1,182916E+22	8,265123E+21	6,198562E+21	6,198398E+21	8,264680E+21	1,182866E+22
2616	1,587413E+22	1,931698E+22	2,129590E+22	2,129607E+22	1,931744E+22	1,587438E+22	1,182858E+22	8,264433E+21	6,198104E+21	6,198278E+21	8,264914E+21	1,182914E+22

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												
2617	1,587460E+22	1,931717E+22	2,129563E+22	2,129523E+22	1,931660E+22	1,587418E+22	1,182871E+22	8,264474E+21	6,197897E+21	6,197842E+21	8,264356E+21	1,182859E+22
2618	1,587412E+22	1,931679E+22	2,129561E+22	2,129585E+22	1,931731E+22	1,587466E+22	1,182900E+22	8,264556E+21	6,197850E+21	6,197758E+21	8,264289E+21	1,182872E+22
2619	1,587471E+22	1,931774E+22	2,129649E+22	2,129639E+22	1,931731E+22	1,587404E+22	1,182829E+22	8,264115E+21	6,197670E+21	6,197757E+21	8,264373E+21	1,182871E+22
2620	1,587445E+22	1,931729E+22	2,129575E+22	2,129541E+22	1,931691E+22	1,587435E+22	1,182878E+22	8,264501E+21	6,197832E+21	6,197687E+21	8,264108E+21	1,182825E+22
2621	1,587381E+22	1,931678E+22	2,129609E+22	2,129646E+22	1,931773E+22	1,587474E+22	1,182882E+22	8,264407E+21	6,197856E+21	6,197904E+21	8,264508E+21	1,182884E+22
2622	1,587450E+22	1,931730E+22	2,129615E+22	2,129605E+22	1,931695E+22	1,587399E+22	1,182846E+22	8,264345E+21	6,197928E+21	6,198037E+21	8,264655E+21	1,182885E+22
2623	1,587414E+22	1,931640E+22	2,129478E+22	2,129501E+22	1,931684E+22	1,587448E+22	1,182917E+22	8,265038E+21	6,198441E+21	6,198299E+21	8,264632E+21	1,182865E+22
2624	1,587409E+22	1,931679E+22	2,129549E+22	2,129557E+22	1,931719E+22	1,587450E+22	1,182889E+22	8,264834E+21	6,198545E+21	6,198680E+21	8,265177E+21	1,182923E+22
2625	1,587459E+22	1,931702E+22	2,129525E+22	2,129462E+22	1,931590E+22	1,587380E+22	1,182888E+22	8,265149E+21	6,198874E+21	6,198858E+21	8,265120E+21	1,182889E+22
2626	1,587393E+22	1,931616E+22	2,129459E+22	2,129471E+22	1,931634E+22	1,587420E+22	1,182935E+22	8,265650E+21	6,199329E+21	6,199220E+21	8,265334E+21	1,182901E+22
2627	1,587417E+22	1,931666E+22	2,129526E+22	2,129531E+22	1,931662E+22	1,587384E+22	1,182874E+22	8,265344E+21	6,199420E+21	6,199585E+21	8,265830E+21	1,182938E+22
2628	1,587414E+22	1,931614E+22	2,129426E+22	2,129397E+22	1,931580E+22	1,587400E+22	1,182928E+22	8,265801E+21	6,199668E+21	6,199613E+21	8,265657E+21	1,182903E+22
2629	1,587357E+22	1,931548E+22	2,129412E+22	2,129463E+22	1,931656E+22	1,587452E+22	1,182957E+22	8,265892E+21	6,199709E+21	6,199697E+21	8,265815E+21	1,182939E+22
2630	1,587431E+22	1,931642E+22	2,129468E+22	2,129454E+22	1,931597E+22	1,587374E+22	1,182902E+22	8,265642E+21	6,199620E+21	6,199698E+21	8,265871E+21	1,182935E+22
2631	1,587398E+22	1,931576E+22	2,129368E+22	2,129357E+22	1,931568E+22	1,587407E+22	1,182954E+22	8,266082E+21	6,199819E+21	6,199611E+21	8,265520E+21	1,182887E+22
2632	1,587365E+22	1,931593E+22	2,129460E+22	2,129480E+22	1,931655E+22	1,587435E+22	1,182927E+22	8,265612E+21	6,199510E+21	6,199568E+21	8,265748E+21	1,182934E+22
2633	1,587426E+22	1,931644E+22	2,129480E+22	2,129452E+22	1,931582E+22	1,587366E+22	1,182891E+22	8,265404E+21	6,199267E+21	6,199283E+21	8,265479E+21	1,182907E+22
2634	1,587386E+22	1,931582E+22	2,129411E+22	2,129443E+22	1,931635E+22	1,587423E+22	1,182928E+22	8,265535E+21	6,199168E+21	6,199037E+21	8,265207E+21	1,182897E+22
2635	1,587417E+22	1,931666E+22	2,129528E+22	2,129540E+22	1,931693E+22	1,587417E+22	1,182870E+22	8,264904E+21	6,198747E+21	6,198880E+21	8,265318E+21	1,182927E+22
2636	1,587447E+22	1,931677E+22	2,129502E+22	2,129453E+22	1,931600E+22	1,587398E+22	1,182891E+22	8,264999E+21	6,198590E+21	6,198518E+21	8,264823E+21	1,182873E+22
2637	1,587391E+22	1,931626E+22	2,129502E+22	2,129535E+22	1,931687E+22	1,587448E+22	1,182917E+22	8,265046E+21	6,198519E+21	6,198411E+21	8,264711E+21	1,182875E+22
2638	1,587437E+22	1,931723E+22	2,129595E+22	2,129587E+22	1,931689E+22	1,587390E+22	1,182850E+22	8,264646E+21	6,198375E+21	6,198481E+21	8,264946E+21	1,182889E+22
2639	1,587409E+22	1,931650E+22	2,129487E+22	2,129471E+22	1,931639E+22	1,587414E+22	1,182896E+22	8,265095E+21	6,198672E+21	6,198544E+21	8,264780E+21	1,182858E+22
2640	1,587367E+22	1,931613E+22	2,129506E+22	2,129547E+22	1,931718E+22	1,587473E+22	1,182914E+22	8,265007E+21	6,198672E+21	6,198738E+21	8,265140E+21	1,182911E+22
2641	1,587438E+22	1,931672E+22	2,129519E+22	2,129503E+22	1,931624E+22	1,587383E+22	1,182880E+22	8,265041E+21	6,198803E+21	6,198882E+21	8,265250E+21	1,182908E+22
2642	1,587410E+22	1,931608E+22	2,129407E+22	2,129407E+22	1,931597E+22	1,587402E+22	1,182927E+22	8,265640E+21	6,199295E+21	6,199136E+21	8,265227E+21	1,182888E+22
2643	1,587400E+22	1,931645E+22	2,129496E+22	2,129491E+22	1,931651E+22	1,587409E+22	1,182896E+22	8,265440E+21	6,199438E+21	6,199552E+21	8,265759E+21	1,182933E+22
2644	1,587421E+22	1,931638E+22	2,129460E+22	2,129406E+22	1,931541E+22	1,587355E+22	1,182904E+22	8,265749E+21	6,199753E+21	6,199778E+21	8,265820E+21	1,182912E+22
2645	1,587357E+22	1,931531E+22	2,129372E+22	2,129415E+22	1,931605E+22	1,587415E+22	1,182955E+22	8,266181E+21	6,200104E+21	6,200023E+21	8,265938E+21	1,182922E+22
2646	1,587390E+22	1,931597E+22	2,129438E+22	2,129454E+22	1,931621E+22	1,587390E+22	1,182912E+22	8,265944E+21	6,200153E+21	6,200334E+21	8,266439E+21	1,182966E+22
2647	1,587393E+22	1,931544E+22	2,129326E+22	2,129303E+22	1,931513E+22	1,587380E+22	1,182959E+22	8,266487E+21	6,200511E+21	6,200405E+21	8,266227E+21	1,182929E+22
2648	1,587350E+22	1,931501E+22	2,129322E+22	2,129362E+22	1,931590E+22	1,587440E+22	1,182988E+22	8,266531E+21	6,200530E+21	6,200475E+21	8,266325E+21	1,182949E+22
2649	1,587405E+22	1,931592E+22	2,129400E+22	2,129378E+22	1,931533E+22	1,587352E+22	1,182928E+22	8,266270E+21	6,200434E+21	6,200493E+21	8,266414E+21	1,182949E+22
2650	1,587378E+22	1,931535E+22	2,129309E+22	2,129293E+22	1,931502E+22	1,587362E+22	1,182953E+22	8,266529E+21	6,200529E+21	6,200362E+21	8,266124E+21	1,182917E+22
2651	1,587355E+22	1,931549E+22	2,129399E+22	2,129424E+22	1,931612E+22	1,587410E+22	1,182929E+22	8,266022E+21	6,200177E+21	6,200265E+21	8,266292E+21	1,182958E+22
2652	1,587412E+22	1,931593E+22	2,129407E+22	2,129385E+22	1,931537E+22	1,587354E+22	1,182908E+22	8,265815E+21	6,199862E+21	6,199929E+21	8,266010E+21	1,182936E+22

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												
2653	1,587382E+22	1,931536E+22	2,129341E+22	2,129380E+22	1,931588E+22	1,587407E+22	1,182944E+22	8,265948E+21	6,199716E+21	6,199559E+21	8,265548E+21	1,182906E+22
2654	1,587407E+22	1,931641E+22	2,129482E+22	2,129481E+22	1,931643E+22	1,587404E+22	1,182894E+22	8,265391E+21	6,199345E+21	6,199447E+21	8,265696E+21	1,182930E+22
2655	1,587414E+22	1,931626E+22	2,129446E+22	2,129401E+22	1,931545E+22	1,587368E+22	1,182907E+22	8,265565E+21	6,199354E+21	6,199251E+21	8,265311E+21	1,182881E+22
2656	1,587359E+22	1,931565E+22	2,129425E+22	2,129469E+22	1,931650E+22	1,587443E+22	1,182941E+22	8,265612E+21	6,199308E+21	6,199204E+21	8,265267E+21	1,182884E+22
2657	1,587393E+22	1,931642E+22	2,129504E+22	2,129515E+22	1,931649E+22	1,587389E+22	1,182882E+22	8,265262E+21	6,199193E+21	6,199314E+21	8,265563E+21	1,182912E+22
2658	1,587391E+22	1,931588E+22	2,129389E+22	2,129376E+22	1,931569E+22	1,587387E+22	1,182914E+22	8,265649E+21	6,199451E+21	6,199354E+21	8,265437E+21	1,182894E+22
2659	1,587368E+22	1,931572E+22	2,129423E+22	2,129454E+22	1,931644E+22	1,587439E+22	1,182930E+22	8,265622E+21	6,199509E+21	6,199544E+21	8,265712E+21	1,182933E+22
2660	1,587425E+22	1,931628E+22	2,129444E+22	2,129415E+22	1,931550E+22	1,587352E+22	1,182898E+22	8,265652E+21	6,199663E+21	6,199758E+21	8,265901E+21	1,182933E+22
2661	1,587391E+22	1,931554E+22	2,129344E+22	2,129348E+22	1,931541E+22	1,587373E+22	1,182940E+22	8,266184E+21	6,200095E+21	6,199949E+21	8,265808E+21	1,182904E+22
2662	1,587373E+22	1,931593E+22	2,129438E+22	2,129440E+22	1,931609E+22	1,587392E+22	1,182917E+22	8,266013E+21	6,200236E+21	6,200393E+21	8,266434E+21	1,182957E+22
2663	1,587387E+22	1,931557E+22	2,129368E+22	2,129338E+22	1,931497E+22	1,587342E+22	1,182929E+22	8,266387E+21	6,200639E+21	6,200682E+21	8,266527E+21	1,182946E+22
2664	1,587344E+22	1,931466E+22	2,129265E+22	2,129314E+22	1,931556E+22	1,587423E+22	1,182997E+22	8,266841E+21	6,200942E+21	6,200856E+21	8,266544E+21	1,182943E+22
2665	1,587369E+22	1,931538E+22	2,129344E+22	2,129353E+22	1,931552E+22	1,587379E+22	1,182954E+22	8,266684E+21	6,201031E+21	6,201146E+21	8,266966E+21	1,182982E+22
2666	1,587383E+22	1,931506E+22	2,129251E+22	2,129210E+22	1,931429E+22	1,587336E+22	1,182972E+22	8,267087E+21	6,201339E+21	6,201212E+21	8,266792E+21	1,182948E+22
2667	1,587337E+22	1,931466E+22	2,129266E+22	2,129294E+22	1,931522E+22	1,587395E+22	1,182992E+22	8,267073E+21	6,201330E+21	6,201262E+21	8,266869E+21	1,182960E+22
2668	1,587371E+22	1,931531E+22	2,129330E+22	2,129317E+22	1,931484E+22	1,587325E+22	1,182936E+22	8,266739E+21	6,201161E+21	6,201278E+21	8,267051E+21	1,182976E+22
2669	1,587353E+22	1,931467E+22	2,129237E+22	2,129243E+22	1,931471E+22	1,587350E+22	1,182963E+22	8,266881E+21	6,201091E+21	6,200969E+21	8,266610E+21	1,182939E+22
2670	1,587344E+22	1,931506E+22	2,129336E+22	2,129362E+22	1,931570E+22	1,587404E+22	1,182953E+22	8,266443E+21	6,200707E+21	6,200819E+21	8,266746E+21	1,182978E+22
2671	1,587397E+22	1,931544E+22	2,129335E+22	2,129318E+22	1,931485E+22	1,587335E+22	1,182930E+22	8,266353E+21	6,200530E+21	6,200544E+21	8,266421E+21	1,182949E+22
2672	1,587371E+22	1,931504E+22	2,129276E+22	2,129304E+22	1,931543E+22	1,587404E+22	1,182973E+22	8,266489E+21	6,200407E+21	6,200207E+21	8,265932E+21	1,182903E+22
2673	1,587368E+22	1,931589E+22	2,129425E+22	2,129424E+22	1,931598E+22	1,587392E+22	1,182924E+22	8,266006E+21	6,200114E+21	6,200177E+21	8,266155E+21	1,182935E+22
2674	1,587384E+22	1,931570E+22	2,129375E+22	2,129339E+22	1,931495E+22	1,587335E+22	1,182914E+22	8,266065E+21	6,200113E+21	6,200044E+21	8,265943E+21	1,182910E+22
2675	1,587342E+22	1,931507E+22	2,129341E+22	2,129394E+22	1,931601E+22	1,587419E+22	1,182954E+22	8,266129E+21	6,200073E+21	6,200004E+21	8,265909E+21	1,182914E+22
2676	1,587376E+22	1,931577E+22	2,129407E+22	2,129421E+22	1,931586E+22	1,587372E+22	1,182907E+22	8,265816E+21	6,199947E+21	6,200120E+21	8,266246E+21	1,182951E+22
2677	1,587387E+22	1,931539E+22	2,129312E+22	2,129293E+22	1,931501E+22	1,587356E+22	1,182929E+22	8,266155E+21	6,200159E+21	6,200059E+21	8,265950E+21	1,182916E+22
2678	1,587363E+22	1,931546E+22	2,129374E+22	2,129383E+22	1,931577E+22	1,587408E+22	1,182948E+22	8,266172E+21	6,200264E+21	6,200313E+21	8,266272E+21	1,182946E+22
2679	1,587396E+22	1,931575E+22	2,129382E+22	2,129356E+22	1,931494E+22	1,587320E+22	1,182914E+22	8,266273E+21	6,200543E+21	6,200636E+21	8,266527E+21	1,182951E+22
2680	1,587364E+22	1,931495E+22	2,129261E+22	2,129276E+22	1,931506E+22	1,587372E+22	1,182969E+22	8,266811E+21	6,200968E+21	6,200832E+21	8,266440E+21	1,182919E+22
2681	1,587332E+22	1,931513E+22	2,129345E+22	2,129365E+22	1,931571E+22	1,587398E+22	1,182961E+22	8,266732E+21	6,201132E+21	6,201264E+21	8,267050E+21	1,182982E+22
2682	1,587370E+22	1,931493E+22	2,129266E+22	2,129241E+22	1,931430E+22	1,587317E+22	1,182956E+22	8,267050E+21	6,201500E+21	6,201534E+21	8,267175E+21	1,182977E+22
2683	1,587337E+22	1,931419E+22	2,129177E+22	2,129214E+22	1,931481E+22	1,587391E+22	1,183021E+22	8,267534E+21	6,201826E+21	6,201689E+21	8,267118E+21	1,182959E+22
2684	1,587344E+22	1,931483E+22	2,129265E+22	2,129264E+22	1,931478E+22	1,587349E+22	1,182975E+22	8,267300E+21	6,201875E+21	6,202002E+21	8,267601E+21	1,183003E+22
2685	1,587355E+22	1,931448E+22	2,129188E+22	2,129148E+22	1,931368E+22	1,587298E+22	1,182978E+22	8,267558E+21	6,202057E+21	6,201954E+21	8,267343E+21	1,182966E+22
2686	1,587314E+22	1,931418E+22	2,129212E+22	2,129242E+22	1,931478E+22	1,587370E+22	1,183002E+22	8,267510E+21	6,201993E+21	6,201987E+21	8,267472E+21	1,182985E+22
2687	1,587346E+22	1,931465E+22	2,129249E+22	2,129253E+22	1,931446E+22	1,587310E+22	1,182951E+22	8,267205E+21	6,201842E+21	6,201987E+21	8,267625E+21	1,183008E+22
2688	1,587351E+22	1,931424E+22	2,129154E+22	2,129158E+22	1,931432E+22	1,587354E+22	1,182993E+22	8,267376E+21	6,201717E+21	6,201581E+21	8,267041E+21	1,182953E+22

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												
2689	1,587328E+22	1,931466E+22	2,129274E+22	2,129291E+22	1,931520E+22	1,587395E+22	1,182988E+22	8,267045E+21	6,201397E+21	6,201423E+21	8,267087E+21	1,182983E+22
2690	1,587383E+22	1,931511E+22	2,129280E+22	2,129251E+22	1,931425E+22	1,587299E+22	1,182941E+22	8,266857E+21	6,201230E+21	6,201223E+21	8,266870E+21	1,182957E+22
2691	1,587347E+22	1,931464E+22	2,129226E+22	2,129248E+22	1,931493E+22	1,587372E+22	1,182984E+22	8,267015E+21	6,201145E+21	6,200942E+21	8,266445E+21	1,182910E+22
2692	1,587323E+22	1,931513E+22	2,129345E+22	2,129360E+22	1,931559E+22	1,587377E+22	1,182941E+22	8,266503E+21	6,200845E+21	6,200971E+21	8,266809E+21	1,182963E+22
2693	1,587354E+22	1,931493E+22	2,129289E+22	2,129269E+22	1,931453E+22	1,587321E+22	1,182930E+22	8,266495E+21	6,200748E+21	6,200731E+21	8,266515E+21	1,182941E+22
2694	1,587337E+22	1,931461E+22	2,129266E+22	2,129311E+22	1,931541E+22	1,587400E+22	1,182977E+22	8,266633E+21	6,200731E+21	6,200694E+21	8,266483E+21	1,182943E+22
2695	1,587367E+22	1,931529E+22	2,129325E+22	2,129332E+22	1,931518E+22	1,587342E+22	1,182928E+22	8,266424E+21	6,200742E+21	6,200888E+21	8,266808E+21	1,182977E+22
2696	1,587383E+22	1,931509E+22	2,129246E+22	2,129208E+22	1,931444E+22	1,587342E+22	1,182954E+22	8,266753E+21	6,200961E+21	6,200847E+21	8,266477E+21	1,182924E+22
2697	1,587331E+22	1,931497E+22	2,129320E+22	2,129324E+22	1,931525E+22	1,587387E+22	1,182977E+22	8,266858E+21	6,201147E+21	6,201156E+21	8,266833E+21	1,182961E+22
2698	1,587369E+22	1,931515E+22	2,129305E+22	2,129291E+22	1,931449E+22	1,587292E+22	1,182927E+22	8,266870E+21	6,201426E+21	6,201549E+21	8,267228E+21	1,182981E+22
2699	1,587344E+22	1,931433E+22	2,129176E+22	2,129194E+22	1,931457E+22	1,587356E+22	1,182994E+22	8,267453E+21	6,201839E+21	6,201720E+21	8,267115E+21	1,182945E+22
2700	1,587305E+22	1,931436E+22	2,129238E+22	2,129263E+22	1,931506E+22	1,587384E+22	1,182996E+22	8,267423E+21	6,202007E+21	6,202143E+21	8,267729E+21	1,183011E+22
2701	1,587351E+22	1,931433E+22	2,129183E+22	2,129150E+22	1,931358E+22	1,587286E+22	1,182977E+22	8,267660E+21	6,202303E+21	6,202307E+21	8,267711E+21	1,182995E+22
2702	1,587320E+22	1,931379E+22	2,129119E+22	2,129136E+22	1,931409E+22	1,587354E+22	1,183036E+22	8,268100E+21	6,202618E+21	6,202501E+21	8,267710E+21	1,182973E+22
2703	1,587308E+22	1,931416E+22	2,129191E+22	2,129195E+22	1,931421E+22	1,587315E+22	1,182987E+22	8,267880E+21	6,202707E+21	6,202847E+21	8,268239E+21	1,183026E+22
2704	1,587331E+22	1,931387E+22	2,129107E+22	2,129075E+22	1,931336E+22	1,587296E+22	1,182998E+22	8,268054E+21	6,202784E+21	6,202712E+21	8,267915E+21	1,182985E+22
2705	1,587285E+22	1,931353E+22	2,129134E+22	2,129174E+22	1,931441E+22	1,587368E+22	1,183034E+22	8,268077E+21	6,202699E+21	6,202668E+21	8,267955E+21	1,183009E+22
2706	1,587343E+22	1,931418E+22	2,129168E+22	2,129172E+22	1,931393E+22	1,587288E+22	1,182970E+22	8,267721E+21	6,202515E+21	6,202642E+21	8,268104E+21	1,183031E+22
2707	1,587350E+22	1,931396E+22	2,129096E+22	2,129082E+22	1,931375E+22	1,587329E+22	1,183012E+22	8,267930E+21	6,202410E+21	6,202226E+21	8,267459E+21	1,182960E+22
2708	1,587300E+22	1,931417E+22	2,129213E+22	2,129223E+22	1,931467E+22	1,587374E+22	1,183009E+22	8,267585E+21	6,202102E+21	6,202126E+21	8,267590E+21	1,182994E+22
2709	1,587348E+22	1,931454E+22	2,129230E+22	2,129204E+22	1,931381E+22	1,587271E+22	1,182949E+22	8,267289E+21	6,201859E+21	6,201873E+21	8,267360E+21	1,182973E+22
2710	1,587322E+22	1,931411E+22	2,129168E+22	2,129193E+22	1,931455E+22	1,587354E+22	1,182994E+22	8,267425E+21	6,201779E+21	6,201652E+21	8,267046E+21	1,182936E+22
2711	1,587300E+22	1,931441E+22	2,129253E+22	2,129280E+22	1,931514E+22	1,587365E+22	1,182961E+22	8,266999E+21	6,201536E+21	6,201697E+21	8,267416E+21	1,183000E+22
2712	1,587357E+22	1,931451E+22	2,129200E+22	2,129169E+22	1,931400E+22	1,587316E+22	1,182958E+22	8,267038E+21	6,201437E+21	6,201405E+21	8,267006E+21	1,182962E+22
2713	1,587328E+22	1,931427E+22	2,129207E+22	2,129235E+22	1,931477E+22	1,587375E+22	1,183005E+22	8,267287E+21	6,201522E+21	6,201399E+21	8,266912E+21	1,182957E+22
2714	1,587361E+22	1,931497E+22	2,129271E+22	2,129262E+22	1,931451E+22	1,587298E+22	1,182935E+22	8,266987E+21	6,201563E+21	6,201698E+21	8,267362E+21	1,182992E+22
2715	1,587360E+22	1,931464E+22	2,129194E+22	2,129151E+22	1,931393E+22	1,587309E+22	1,182968E+22	8,267364E+21	6,201815E+21	6,201707E+21	8,267090E+21	1,182936E+22
2716	1,587285E+22	1,931414E+22	2,129233E+22	2,129256E+22	1,931489E+22	1,587379E+22	1,183002E+22	8,267472E+21	6,202003E+21	6,202055E+21	8,267537E+21	1,182986E+22
2717	1,587331E+22	1,931430E+22	2,129214E+22	2,129211E+22	1,931402E+22	1,587281E+22	1,182952E+22	8,267446E+21	6,202210E+21	6,202352E+21	8,267845E+21	1,183008E+22
2718	1,587327E+22	1,931374E+22	2,129089E+22	2,129101E+22	1,931394E+22	1,587340E+22	1,183025E+22	8,268093E+21	6,202664E+21	6,202553E+21	8,267744E+21	1,182968E+22
2719	1,587282E+22	1,931368E+22	2,129140E+22	2,129162E+22	1,931436E+22	1,587359E+22	1,183022E+22	8,268125E+21	6,202916E+21	6,203018E+21	8,268354E+21	1,183036E+22
2720	1,587336E+22	1,931383E+22	2,129099E+22	2,129053E+22	1,931296E+22	1,587270E+22	1,183002E+22	8,268307E+21	6,203169E+21	6,203157E+21	8,268306E+21	1,183009E+22
2721	1,587289E+22	1,931321E+22	2,129054E+22	2,129071E+22	1,931353E+22	1,587326E+22	1,183058E+22	8,268754E+21	6,203480E+21	6,203329E+21	8,268303E+21	1,182999E+22
2722	1,587293E+22	1,931355E+22	2,129109E+22	2,129121E+22	1,931369E+22	1,587285E+22	1,182994E+22	8,268384E+21	6,203490E+21	6,203677E+21	8,268911E+21	1,183063E+22
2723	1,587326E+22	1,931341E+22	2,129034E+22	2,128999E+22	1,931284E+22	1,587278E+22	1,183018E+22	8,268575E+21	6,203485E+21	6,203440E+21	8,268486E+21	1,183012E+22
2724	1,587273E+22	1,931302E+22	2,129056E+22	2,129091E+22	1,931384E+22	1,587354E+22	1,183060E+22	8,268626E+21	6,203387E+21	6,203344E+21	8,268456E+21	1,183029E+22

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												
2725	1,587328E+22	1,931381E+22	2,129118E+22	2,129106E+22	1,931338E+22	1,587263E+22	1,182983E+22	8,268189E+21	6,203141E+21	6,203227E+21	8,268465E+21	1,183036E+22
2726	1,587331E+22	1,931366E+22	2,129061E+22	2,129033E+22	1,931325E+22	1,587303E+22	1,183023E+22	8,268375E+21	6,203055E+21	6,202889E+21	8,267909E+21	1,182963E+22
2727	1,587259E+22	1,931346E+22	2,129143E+22	2,129168E+22	1,931429E+22	1,587355E+22	1,183023E+22	8,268093E+21	6,202814E+21	6,202843E+21	8,268127E+21	1,183012E+22
2728	1,587320E+22	1,931388E+22	2,129146E+22	2,129134E+22	1,931355E+22	1,587277E+22	1,182972E+22	8,267770E+21	6,202522E+21	6,202554E+21	8,267883E+21	1,182993E+22
2729	1,587297E+22	1,931347E+22	2,129090E+22	2,129119E+22	1,931406E+22	1,587345E+22	1,183025E+22	8,267999E+21	6,202472E+21	6,202305E+21	8,267529E+21	1,182965E+22
2730	1,587302E+22	1,931396E+22	2,129169E+22	2,129187E+22	1,931446E+22	1,587335E+22	1,182977E+22	8,267544E+21	6,202265E+21	6,202409E+21	8,267946E+21	1,183027E+22
2731	1,587360E+22	1,931427E+22	2,129145E+22	2,129091E+22	1,931332E+22	1,587283E+22	1,182974E+22	8,267599E+21	6,202186E+21	6,202138E+21	8,267502E+21	1,182973E+22
2732	1,587303E+22	1,931379E+22	2,129148E+22	2,129166E+22	1,931417E+22	1,587346E+22	1,183020E+22	8,267858E+21	6,202321E+21	6,202207E+21	8,267496E+21	1,182972E+22
2733	1,587325E+22	1,931438E+22	2,129218E+22	2,129213E+22	1,931408E+22	1,587272E+22	1,182943E+22	8,267493E+21	6,202316E+21	6,202469E+21	8,267935E+21	1,183011E+22
2734	1,587333E+22	1,931403E+22	2,129128E+22	2,129093E+22	1,931356E+22	1,587296E+22	1,182985E+22	8,267877E+21	6,202599E+21	6,202559E+21	8,267764E+21	1,182963E+22
2735	1,587255E+22	1,931327E+22	2,129124E+22	2,129164E+22	1,931440E+22	1,587374E+22	1,183036E+22	8,268134E+21	6,202856E+21	6,202915E+21	8,268210E+21	1,183020E+22
2736	1,587322E+22	1,931371E+22	2,129109E+22	2,129102E+22	1,931343E+22	1,587279E+22	1,182991E+22	8,268150E+21	6,203069E+21	6,203166E+21	8,268414E+21	1,183026E+22
2737	1,587307E+22	1,931322E+22	2,129015E+22	2,129010E+22	1,931317E+22	1,587313E+22	1,183057E+22	8,268847E+21	6,203587E+21	6,203388E+21	8,268283E+21	1,182988E+22
2738	1,587269E+22	1,931316E+22	2,129061E+22	2,129073E+22	1,931358E+22	1,587314E+22	1,183033E+22	8,268755E+21	6,203830E+21	6,203935E+21	8,269014E+21	1,183058E+22
2739	1,587316E+22	1,931332E+22	2,129032E+22	2,128983E+22	1,931235E+22	1,587235E+22	1,183015E+22	8,268901E+21	6,204020E+21	6,204040E+21	8,268974E+21	1,183032E+22
2740	1,587257E+22	1,931246E+22	2,128967E+22	2,128998E+22	1,931308E+22	1,587311E+22	1,183075E+22	8,269300E+21	6,204271E+21	6,204165E+21	8,268979E+21	1,183030E+22
2741	1,587273E+22	1,931296E+22	2,129037E+22	2,129049E+22	1,931319E+22	1,587269E+22	1,183012E+22	8,268864E+21	6,204146E+21	6,204341E+21	8,269419E+21	1,183088E+22
2742	1,587322E+22	1,931305E+22	2,128976E+22	2,128931E+22	1,931232E+22	1,587262E+22	1,183039E+22	8,269070E+21	6,204149E+21	6,204104E+21	8,268949E+21	1,183024E+22
2743	1,587253E+22	1,931252E+22	2,128987E+22	2,129020E+22	1,931333E+22	1,587339E+22	1,183084E+22	8,269190E+21	6,204106E+21	6,204019E+21	8,268897E+21	1,183038E+22
2744	1,587307E+22	1,931338E+22	2,129054E+22	2,129040E+22	1,931297E+22	1,587257E+22	1,183007E+22	8,268726E+21	6,203837E+21	6,203893E+21	8,268893E+21	1,183038E+22
2745	1,587291E+22	1,931306E+22	2,129006E+22	2,128987E+22	1,931286E+22	1,587288E+22	1,183045E+22	8,268940E+21	6,203785E+21	6,203573E+21	8,268398E+21	1,182984E+22
2746	1,587242E+22	1,931279E+22	2,129054E+22	2,129095E+22	1,931383E+22	1,587335E+22	1,183032E+22	8,268541E+21	6,203512E+21	6,203585E+21	8,268730E+21	1,183045E+22
2747	1,587316E+22	1,931338E+22	2,129064E+22	2,129048E+22	1,931294E+22	1,587257E+22	1,182993E+22	8,268278E+21	6,203188E+21	6,203247E+21	8,268437E+21	1,183021E+22
2748	1,587290E+22	1,931300E+22	2,129012E+22	2,129033E+22	1,931340E+22	1,587320E+22	1,183043E+22	8,268531E+21	6,203171E+21	6,202997E+21	8,268046E+21	1,182987E+22
2749	1,587291E+22	1,931366E+22	2,129124E+22	2,129119E+22	1,931376E+22	1,587297E+22	1,182982E+22	8,268000E+21	6,202929E+21	6,203060E+21	8,268378E+21	1,183037E+22
2750	1,587343E+22	1,931396E+22	2,129111E+22	2,129046E+22	1,931281E+22	1,587253E+22	1,182980E+22	8,268048E+21	6,202901E+21	6,202897E+21	8,268029E+21	1,182980E+22
2751	1,587263E+22	1,931307E+22	2,129074E+22	2,129111E+22	1,931384E+22	1,587335E+22	1,183038E+22	8,268404E+21	6,203109E+21	6,203015E+21	8,268097E+21	1,182991E+22
2752	1,587295E+22	1,931364E+22	2,129121E+22	2,129135E+22	1,931382E+22	1,587285E+22	1,182976E+22	8,268084E+21	6,203103E+21	6,203259E+21	8,268512E+21	1,183030E+22
2753	1,587304E+22	1,931328E+22	2,129035E+22	2,129012E+22	1,931304E+22	1,587293E+22	1,183027E+22	8,268614E+21	6,203461E+21	6,203349E+21	8,268335E+21	1,182993E+22
2754	1,587250E+22	1,931264E+22	2,129015E+22	2,129054E+22	1,931362E+22	1,587346E+22	1,183062E+22	8,268843E+21	6,203779E+21	6,203802E+21	8,268849E+21	1,183048E+22
2755	1,587314E+22	1,931328E+22	2,129032E+22	2,129004E+22	1,931257E+22	1,587245E+22	1,183017E+22	8,268867E+21	6,203995E+21	6,204080E+21	8,269060E+21	1,183045E+22
2756	1,587279E+22	1,931263E+22	2,128940E+22	2,128928E+22	1,931241E+22	1,587275E+22	1,183073E+22	8,269499E+21	6,204504E+21	6,204325E+21	8,268991E+21	1,183011E+22
2757	1,587239E+22	1,931259E+22	2,129000E+22	2,129008E+22	1,931298E+22	1,587278E+22	1,183037E+22	8,269264E+21	6,204629E+21	6,204774E+21	8,269666E+21	1,183087E+22
2758	1,587302E+22	1,931281E+22	2,128967E+22	2,128924E+22	1,931194E+22	1,587218E+22	1,183025E+22	8,269345E+21	6,204759E+21	6,204861E+21	8,269622E+21	1,183061E+22
2759	1,587241E+22	1,931182E+22	2,128875E+22	2,128916E+22	1,931260E+22	1,587304E+22	1,183102E+22	8,269860E+21	6,205007E+21	6,204900E+21	8,269541E+21	1,183058E+22
2760	1,587270E+22	1,931255E+22	2,128957E+22	2,128966E+22	1,931275E+22	1,587270E+22	1,183045E+22	8,269465E+21	6,204866E+21	6,204990E+21	8,269819E+21	1,183094E+22

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°
2761	1,587299E+22	1,931264E+22	2,128927E+22	2,128877E+22	1,931178E+22	1,587242E+22	1,183066E+22	8,269700E+21	6,204908E+21	6,204761E+21	8,269339E+21	1,183031E+22
2762	1,587229E+22	1,931194E+22	2,128914E+22	2,128954E+22	1,931277E+22	1,587309E+22	1,183096E+22	8,269728E+21	6,204874E+21	6,204784E+21	8,269427E+21	1,183049E+22
2763	1,587275E+22	1,931277E+22	2,128986E+22	2,128980E+22	1,931251E+22	1,587238E+22	1,183025E+22	8,269231E+21	6,204546E+21	6,204636E+21	8,269458E+21	1,183054E+22
2764	1,587256E+22	1,931228E+22	2,128914E+22	2,128912E+22	1,931239E+22	1,587275E+22	1,183062E+22	8,269411E+21	6,204463E+21	6,204299E+21	8,268994E+21	1,183012E+22
2765	1,587227E+22	1,931227E+22	2,128978E+22	2,129012E+22	1,931320E+22	1,587312E+22	1,183045E+22	8,268968E+21	6,204104E+21	6,204188E+21	8,269204E+21	1,183072E+22
2766	1,587320E+22	1,931313E+22	2,129008E+22	2,128980E+22	1,931235E+22	1,587231E+22	1,183003E+22	8,268691E+21	6,203815E+21	6,203895E+21	8,268897E+21	1,183037E+22
2767	1,587278E+22	1,931261E+22	2,128949E+22	2,128964E+22	1,931284E+22	1,587297E+22	1,183058E+22	8,269023E+21	6,203861E+21	6,203678E+21	8,268523E+21	1,183001E+22
2768	1,587275E+22	1,931327E+22	2,129067E+22	2,129064E+22	1,931338E+22	1,587286E+22	1,183002E+22	8,268525E+21	6,203634E+21	6,203746E+21	8,268836E+21	1,183043E+22
2769	1,587306E+22	1,931337E+22	2,129057E+22	2,129008E+22	1,931248E+22	1,587242E+22	1,183003E+22	8,268636E+21	6,203678E+21	6,203637E+21	8,268574E+21	1,183004E+22
2770	1,587243E+22	1,931233E+22	2,128974E+22	2,129029E+22	1,931337E+22	1,587325E+22	1,183061E+22	8,268981E+21	6,203931E+21	6,203867E+21	8,268755E+21	1,183021E+22
2771	1,587282E+22	1,931306E+22	2,129027E+22	2,129038E+22	1,931313E+22	1,587273E+22	1,183014E+22	8,268768E+21	6,203946E+21	6,204100E+21	8,269138E+21	1,183055E+22
2772	1,587286E+22	1,931268E+22	2,128941E+22	2,128912E+22	1,931225E+22	1,587266E+22	1,183056E+22	8,269331E+21	6,204380E+21	6,204236E+21	8,268968E+21	1,183015E+22
2773	1,587231E+22	1,931222E+22	2,128950E+22	2,128966E+22	1,931277E+22	1,587302E+22	1,183072E+22	8,269444E+21	6,204642E+21	6,204656E+21	8,269445E+21	1,183065E+22
2774	1,587294E+22	1,931283E+22	2,128975E+22	2,128942E+22	1,931195E+22	1,587207E+22	1,183023E+22	8,269399E+21	6,204856E+21	6,205001E+21	8,269740E+21	1,183064E+22
2775	1,587244E+22	1,931188E+22	2,128855E+22	2,128861E+22	1,931198E+22	1,587257E+22	1,183087E+22	8,270050E+21	6,205338E+21	6,205206E+21	8,269692E+21	1,183043E+22
2776	1,587220E+22	1,931192E+22	2,128906E+22	2,128930E+22	1,931261E+22	1,587279E+22	1,183066E+22	8,269835E+21	6,205399E+21	6,205549E+21	8,270241E+21	1,183109E+22
2777	1,587280E+22	1,931221E+22	2,128889E+22	2,128857E+22	1,931148E+22	1,587213E+22	1,183062E+22	8,270012E+21	6,205543E+21	6,205569E+21	8,270124E+21	1,183086E+22
2778	1,587236E+22	1,931131E+22	2,128785E+22	2,128827E+22	1,931200E+22	1,587285E+22	1,183126E+22	8,270475E+21	6,205816E+21	6,205670E+21	8,270052E+21	1,183072E+22
2779	1,587252E+22	1,931215E+22	2,128892E+22	2,128887E+22	1,931205E+22	1,587248E+22	1,183075E+22	8,270092E+21	6,205656E+21	6,205755E+21	8,270326E+21	1,183100E+22
2780	1,587261E+22	1,931199E+22	2,128855E+22	2,128813E+22	1,931123E+22	1,587217E+22	1,183085E+22	8,270276E+21	6,205689E+21	6,205548E+21	8,269923E+21	1,183047E+22
2781	1,587194E+22	1,931134E+22	2,128845E+22	2,128888E+22	1,931225E+22	1,587279E+22	1,183099E+22	8,270140E+21	6,205531E+21	6,205489E+21	8,269997E+21	1,183076E+22
2782	1,587260E+22	1,931224E+22	2,128912E+22	2,128915E+22	1,931207E+22	1,587221E+22	1,183033E+22	8,269591E+21	6,205157E+21	6,205337E+21	8,270037E+21	1,183083E+22
2783	1,587247E+22	1,931176E+22	2,128828E+22	2,128827E+22	1,931183E+22	1,587259E+22	1,183081E+22	8,269854E+21	6,205065E+21	6,204918E+21	8,269495E+21	1,183042E+22
2784	1,587233E+22	1,931203E+22	2,128912E+22	2,128934E+22	1,931265E+22	1,587295E+22	1,183066E+22	8,269457E+21	6,204726E+21	6,204760E+21	8,269556E+21	1,183078E+22
2785	1,587304E+22	1,931287E+22	2,128974E+22	2,128937E+22	1,931187E+22	1,587208E+22	1,183021E+22	8,269224E+21	6,204496E+21	6,204503E+21	8,269280E+21	1,183046E+22
2786	1,587258E+22	1,931213E+22	2,128887E+22	2,128910E+22	1,931239E+22	1,587271E+22	1,183068E+22	8,269524E+21	6,204607E+21	6,204435E+21	8,269056E+21	1,183012E+22
2787	1,587243E+22	1,931268E+22	2,129000E+22	2,129007E+22	1,931297E+22	1,587278E+22	1,183031E+22	8,269093E+21	6,204397E+21	6,204530E+21	8,269418E+21	1,183059E+22
2788	1,587268E+22	1,931256E+22	2,128961E+22	2,128933E+22	1,931204E+22	1,587236E+22	1,183035E+22	8,269258E+21	6,204491E+21	6,204468E+21	8,269218E+21	1,183029E+22
2789	1,587221E+22	1,931175E+22	2,128883E+22	2,128932E+22	1,931267E+22	1,587302E+22	1,183086E+22	8,269585E+21	6,204722E+21	6,204653E+21	8,269346E+21	1,183047E+22
2790	1,587273E+22	1,931264E+22	2,128952E+22	2,128953E+22	1,931246E+22	1,587244E+22	1,183032E+22	8,269355E+21	6,204797E+21	6,204968E+21	8,269752E+21	1,183074E+22
2791	1,587263E+22	1,931213E+22	2,128859E+22	2,128823E+22	1,931154E+22	1,587235E+22	1,183075E+22	8,269958E+21	6,205259E+21	6,205126E+21	8,269630E+21	1,183039E+22
2792	1,587213E+22	1,931170E+22	2,128874E+22	2,128895E+22	1,931224E+22	1,587277E+22	1,183092E+22	8,270062E+21	6,205500E+21	6,205511E+21	8,270066E+21	1,183084E+22
2793	1,587264E+22	1,931221E+22	2,128907E+22	2,128891E+22	1,931156E+22	1,587189E+22	1,183042E+22	8,269999E+21	6,205695E+21	6,205831E+21	8,270396E+21	1,183100E+22
2794	1,587232E+22	1,931119E+22	2,128752E+22	2,128771E+22	1,931146E+22	1,587243E+22	1,183110E+22	8,270621E+21	6,206163E+21	6,206070E+21	8,270374E+21	1,183077E+22
2795	1,587214E+22	1,931145E+22	2,128822E+22	2,128838E+22	1,931193E+22	1,587268E+22	1,183106E+22	8,270502E+21	6,206199E+21	6,206330E+21	8,270801E+21	1,183128E+22
2796	1,587261E+22	1,931168E+22	2,128810E+22	2,128773E+22	1,931082E+22	1,587190E+22	1,183091E+22	8,270682E+21	6,206387E+21	6,206365E+21	8,270645E+21	1,183094E+22

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	1,587208E+22	1,931092E+22	2,128728E+22	2,128751E+22	1,931130E+22	1,587249E+22	1,183138E+22	8,271014E+21	6,206578E+21	6,206419E+21	8,270551E+21	1,183079E+22
2798	1,587220E+22	1,931163E+22	2,128836E+22	2,128835E+22	1,931161E+22	1,587220E+22	1,183081E+22	8,270543E+21	6,206385E+21	6,206533E+21	8,270886E+21	1,183112E+22
2799	1,587221E+22	1,931121E+22	2,128766E+22	2,128744E+22	1,931085E+22	1,587203E+22	1,183100E+22	8,270731E+21	6,206365E+21	6,206270E+21	8,270520E+21	1,183077E+22
2800	1,587180E+22	1,931074E+22	2,128754E+22	2,128810E+22	1,931184E+22	1,587273E+22	1,183124E+22	8,270608E+21	6,206137E+21	6,206094E+21	8,270464E+21	1,183098E+22
2801	1,587250E+22	1,931181E+22	2,128846E+22	2,128849E+22	1,931158E+22	1,587206E+22	1,183058E+22	8,270117E+21	6,205776E+21	6,205894E+21	8,270464E+21	1,183110E+22
2802	1,587249E+22	1,931143E+22	2,128759E+22	2,128747E+22	1,931123E+22	1,587233E+22	1,183095E+22	8,270336E+21	6,205738E+21	6,205578E+21	8,269949E+21	1,183056E+22
2803	1,587222E+22	1,931181E+22	2,128872E+22	2,128873E+22	1,931203E+22	1,587270E+22	1,183090E+22	8,269989E+21	6,205419E+21	6,205444E+21	8,270014E+21	1,183083E+22
2804	1,587268E+22	1,931232E+22	2,128918E+22	2,128894E+22	1,931150E+22	1,587185E+22	1,183038E+22	8,269767E+21	6,205249E+21	6,205261E+21	8,269824E+21	1,183057E+22
2805	1,587223E+22	1,931159E+22	2,128823E+22	2,128851E+22	1,931199E+22	1,587251E+22	1,183078E+22	8,269978E+21	6,205308E+21	6,205180E+21	8,269639E+21	1,183036E+22
2806	1,587221E+22	1,931207E+22	2,128918E+22	2,128936E+22	1,931256E+22	1,587269E+22	1,183051E+22	8,269585E+21	6,205129E+21	6,205317E+21	8,270027E+21	1,183084E+22
2807	1,587250E+22	1,931192E+22	2,128861E+22	2,128836E+22	1,931145E+22	1,587221E+22	1,183065E+22	8,269877E+21	6,205277E+21	6,205251E+21	8,269831E+21	1,183060E+22
2808	1,587216E+22	1,931132E+22	2,128801E+22	2,128839E+22	1,931198E+22	1,587275E+22	1,183111E+22	8,270231E+21	6,205549E+21	6,205433E+21	8,269868E+21	1,183060E+22
2809	1,587248E+22	1,931216E+22	2,128893E+22	2,128888E+22	1,931184E+22	1,587213E+22	1,183052E+22	8,270007E+21	6,205661E+21	6,205796E+21	8,270358E+21	1,183097E+22
2810	1,587239E+22	1,931150E+22	2,128776E+22	2,128747E+22	1,931097E+22	1,587203E+22	1,183085E+22	8,270525E+21	6,206136E+21	6,206051E+21	8,270333E+21	1,183065E+22
2811	1,587187E+22	1,931108E+22	2,128793E+22	2,128815E+22	1,931166E+22	1,587260E+22	1,183119E+22	8,270674E+21	6,206350E+21	6,206398E+21	8,270747E+21	1,183111E+22
2812	1,587235E+22	1,931145E+22	2,128809E+22	2,128807E+22	1,931107E+22	1,587179E+22	1,183075E+22	8,270666E+21	6,206555E+21	6,206687E+21	8,271036E+21	1,183125E+22
2813	1,587217E+22	1,931074E+22	2,128672E+22	2,128677E+22	1,931077E+22	1,587218E+22	1,183133E+22	8,271228E+21	6,206957E+21	6,206844E+21	8,270926E+21	1,183098E+22
2814	1,587201E+22	1,931104E+22	2,128757E+22	2,128762E+22	1,931133E+22	1,587243E+22	1,183126E+22	8,271092E+21	6,207019E+21	6,207136E+21	8,271329E+21	1,183137E+22
2815	1,587229E+22	1,931110E+22	2,128736E+22	2,128697E+22	1,931026E+22	1,587167E+22	1,183114E+22	8,271279E+21	6,207183E+21	6,207159E+21	8,271227E+21	1,183111E+22
2816	1,587180E+22	1,931032E+22	2,128655E+22	2,128687E+22	1,931087E+22	1,587227E+22	1,183156E+22	8,271557E+21	6,207320E+21	6,207156E+21	8,271085E+21	1,183093E+22
2817	1,587185E+22	1,931095E+22	2,128764E+22	2,128780E+22	1,931129E+22	1,587209E+22	1,183099E+22	8,271041E+21	6,207070E+21	6,207222E+21	8,271461E+21	1,183147E+22
2818	1,587211E+22	1,931058E+22	2,128669E+22	2,128654E+22	1,931033E+22	1,587188E+22	1,183117E+22	8,271192E+21	6,207027E+21	6,206971E+21	8,271095E+21	1,183110E+22
2819	1,587184E+22	1,931043E+22	2,128688E+22	2,128722E+22	1,931112E+22	1,587251E+22	1,183153E+22	8,271156E+21	6,206796E+21	6,206726E+21	8,270918E+21	1,183116E+22
2820	1,587239E+22	1,931146E+22	2,128791E+22	2,128783E+22	1,931101E+22	1,587177E+22	1,183076E+22	8,270663E+21	6,206483E+21	6,206558E+21	8,270886E+21	1,183116E+22
2821	1,587229E+22	1,931120E+22	2,128725E+22	2,128692E+22	1,931067E+22	1,587197E+22	1,183099E+22	8,270760E+21	6,206381E+21	6,206235E+21	8,270403E+21	1,183063E+22
2822	1,587192E+22	1,931134E+22	2,128829E+22	2,128838E+22	1,931175E+22	1,587250E+22	1,183095E+22	8,270401E+21	6,206089E+21	6,206157E+21	8,270525E+21	1,183093E+22
2823	1,587228E+22	1,931156E+22	2,128834E+22	2,128829E+22	1,931123E+22	1,587182E+22	1,183060E+22	8,270250E+21	6,205930E+21	6,205982E+21	8,270408E+21	1,183084E+22
2824	1,587204E+22	1,931091E+22	2,128729E+22	2,128769E+22	1,931160E+22	1,587249E+22	1,183111E+22	8,270552E+21	6,206010E+21	6,205862E+21	8,270144E+21	1,183057E+22
2825	1,587203E+22	1,931149E+22	2,128838E+22	2,128858E+22	1,931206E+22	1,587256E+22	1,183081E+22	8,270222E+21	6,205888E+21	6,206016E+21	8,270555E+21	1,183112E+22
2826	1,587240E+22	1,931139E+22	2,128770E+22	2,128733E+22	1,931071E+22	1,587191E+22	1,183085E+22	8,270501E+21	6,206131E+21	6,206100E+21	8,270446E+21	1,183083E+22
2827	1,587202E+22	1,931093E+22	2,128740E+22	2,128753E+22	1,931116E+22	1,587240E+22	1,183138E+22	8,270891E+21	6,206415E+21	6,206301E+21	8,270502E+21	1,183078E+22
2828	1,587216E+22	1,931150E+22	2,128819E+22	2,128820E+22	1,931129E+22	1,587182E+22	1,183069E+22	8,270641E+21	6,206560E+21	6,206712E+21	8,271045E+21	1,183120E+22
2829	1,587215E+22	1,931096E+22	2,128702E+22	2,128668E+22	1,931041E+22	1,587176E+22	1,183095E+22	8,271031E+21	6,206933E+21	6,206910E+21	8,271020E+21	1,183098E+22
2830	1,587176E+22	1,931055E+22	2,128714E+22	2,128737E+22	1,931117E+22	1,587244E+22	1,183139E+22	8,271224E+21	6,207145E+21	6,207224E+21	8,271363E+21	1,183136E+22
2831	1,587219E+22	1,931088E+22	2,128718E+22	2,128713E+22	1,931050E+22	1,587164E+22	1,183106E+22	8,271323E+21	6,207379E+21	6,207479E+21	8,271604E+21	1,183147E+22
2832	1,587203E+22	1,931027E+22	2,128601E+22	2,128599E+22	1,931019E+22	1,587196E+22	1,183160E+22	8,271890E+21	6,207788E+21	6,207605E+21	8,271397E+21	1,183102E+22

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												
2833	1,587163E+22	1,931045E+22	2,128699E+22	2,128709E+22	1,931087E+22	1,587221E+22	1,183148E+22	8,271727E+21	6,207833E+21	6,207909E+21	8,271887E+21	1,183153E+22
2834	1,587191E+22	1,931032E+22	2,128647E+22	2,128621E+22	1,930979E+22	1,587146E+22	1,183129E+22	8,271841E+21	6,207996E+21	6,208007E+21	8,271884E+21	1,183137E+22
2835	1,587154E+22	1,930966E+22	2,128572E+22	2,128601E+22	1,931027E+22	1,587215E+22	1,183184E+22	8,272113E+21	6,208060E+21	6,207926E+21	8,271699E+21	1,183121E+22
2836	1,587165E+22	1,931026E+22	2,128671E+22	2,128694E+22	1,931076E+22	1,587195E+22	1,183125E+22	8,271613E+21	6,207797E+21	6,207940E+21	8,272001E+21	1,183171E+22
2837	1,587209E+22	1,931031E+22	2,128606E+22	2,128569E+22	1,930967E+22	1,587157E+22	1,183127E+22	8,271641E+21	6,207661E+21	6,207605E+21	8,271559E+21	1,183131E+22
2838	1,587183E+22	1,931022E+22	2,128647E+22	2,128664E+22	1,931059E+22	1,587220E+22	1,183157E+22	8,271590E+21	6,207451E+21	6,207377E+21	8,271349E+21	1,183125E+22
2839	1,587216E+22	1,931103E+22	2,128740E+22	2,128730E+22	1,931061E+22	1,587158E+22	1,183091E+22	8,271137E+21	6,207133E+21	6,207213E+21	8,271370E+21	1,183131E+22
2840	1,587205E+22	1,931067E+22	2,128671E+22	2,128651E+22	1,931040E+22	1,587181E+22	1,183112E+22	8,271217E+21	6,207021E+21	6,206871E+21	8,270861E+21	1,183076E+22
2841	1,587159E+22	1,931065E+22	2,128758E+22	2,128788E+22	1,931153E+22	1,587250E+22	1,183118E+22	8,270894E+21	6,206731E+21	6,206805E+21	8,271062E+21	1,183121E+22
2842	1,587211E+22	1,931087E+22	2,128733E+22	2,128734E+22	1,931072E+22	1,587176E+22	1,183088E+22	8,270799E+21	6,206642E+21	6,206710E+21	8,270979E+21	1,183113E+22
2843	1,587199E+22	1,931051E+22	2,128653E+22	2,128664E+22	1,931075E+22	1,587225E+22	1,183145E+22	8,271203E+21	6,206796E+21	6,206608E+21	8,270662E+21	1,183075E+22
2844	1,587185E+22	1,931099E+22	2,128765E+22	2,128772E+22	1,931134E+22	1,587223E+22	1,183103E+22	8,270892E+21	6,206763E+21	6,206847E+21	8,271095E+21	1,183122E+22
2845	1,587219E+22	1,931102E+22	2,128716E+22	2,128660E+22	1,931001E+22	1,587147E+22	1,183087E+22	8,271018E+21	6,206940E+21	6,206944E+21	8,271072E+21	1,183103E+22
2846	1,587176E+22	1,931038E+22	2,128679E+22	2,128698E+22	1,931071E+22	1,587208E+22	1,183139E+22	8,271395E+21	6,207237E+21	6,207168E+21	8,271158E+21	1,183102E+22
2847	1,587184E+22	1,931073E+22	2,128727E+22	2,128741E+22	1,931088E+22	1,587173E+22	1,183093E+22	8,271211E+21	6,207355E+21	6,207546E+21	8,271719E+21	1,183154E+22
2848	1,587200E+22	1,931030E+22	2,128614E+22	2,128589E+22	1,930993E+22	1,587166E+22	1,183127E+22	8,271670E+21	6,207725E+21	6,207671E+21	8,271564E+21	1,183118E+22
2849	1,587156E+22	1,930999E+22	2,128637E+22	2,128663E+22	1,931070E+22	1,587235E+22	1,183172E+22	8,271917E+21	6,207975E+21	6,207990E+21	8,271908E+21	1,183156E+22
2850	1,587197E+22	1,931029E+22	2,128631E+22	2,128618E+22	1,930985E+22	1,587146E+22	1,183134E+22	8,272013E+21	6,208284E+21	6,208362E+21	8,272215E+21	1,183164E+22
2851	1,587176E+22	1,930973E+22	2,128535E+22	2,128516E+22	1,930946E+22	1,587173E+22	1,183192E+22	8,272585E+21	6,208682E+21	6,208484E+21	8,272029E+21	1,183119E+22
2852	1,587125E+22	1,930963E+22	2,128610E+22	2,128639E+22	1,931040E+22	1,587200E+22	1,183168E+22	8,272358E+21	6,208709E+21	6,208787E+21	8,272539E+21	1,183177E+22
2853	1,587171E+22	1,930974E+22	2,128560E+22	2,128534E+22	1,930920E+22	1,587122E+22	1,183138E+22	8,272295E+21	6,208711E+21	6,208790E+21	8,272545E+21	1,183176E+22
2854	1,587154E+22	1,930923E+22	2,128498E+22	2,128522E+22	1,930969E+22	1,587189E+22	1,183194E+22	8,272572E+21	6,208729E+21	6,208614E+21	8,272240E+21	1,183150E+22
2855	1,587164E+22	1,930990E+22	2,128601E+22	2,128609E+22	1,931011E+22	1,587171E+22	1,183143E+22	8,272116E+21	6,208452E+21	6,208574E+21	8,272462E+21	1,183191E+22
2856	1,587204E+22	1,931003E+22	2,128565E+22	2,128518E+22	1,930916E+22	1,587130E+22	1,183139E+22	8,272106E+21	6,208289E+21	6,208190E+21	8,271907E+21	1,183132E+22
2857	1,587155E+22	1,930982E+22	2,128612E+22	2,128636E+22	1,931033E+22	1,587205E+22	1,183169E+22	8,272030E+21	6,208055E+21	6,207969E+21	8,271770E+21	1,183133E+22
2858	1,587179E+22	1,931034E+22	2,128663E+22	2,128670E+22	1,931032E+22	1,587152E+22	1,183106E+22	8,271603E+21	6,207806E+21	6,207903E+21	8,271882E+21	1,183147E+22
2859	1,587177E+22	1,931003E+22	2,128594E+22	2,128574E+22	1,930991E+22	1,587182E+22	1,183147E+22	8,271770E+21	6,207707E+21	6,207554E+21	8,271375E+21	1,183096E+22
2860	1,587134E+22	1,930990E+22	2,128661E+22	2,128703E+22	1,931101E+22	1,587241E+22	1,183151E+22	8,271528E+21	6,207494E+21	6,207522E+21	8,271552E+21	1,183137E+22
2861	1,587200E+22	1,931050E+22	2,128658E+22	2,128638E+22	1,930996E+22	1,587145E+22	1,183102E+22	8,271341E+21	6,207392E+21	6,207455E+21	8,271525E+21	1,183135E+22
2862	1,587191E+22	1,931018E+22	2,128599E+22	2,128593E+22	1,931005E+22	1,587185E+22	1,183149E+22	8,271730E+21	6,207588E+21	6,207403E+21	8,271224E+21	1,183091E+22
2863	1,587161E+22	1,931047E+22	2,128698E+22	2,128700E+22	1,931074E+22	1,587192E+22	1,183115E+22	8,271447E+21	6,207564E+21	6,207676E+21	8,271737E+21	1,183148E+22
2864	1,587197E+22	1,931040E+22	2,128649E+22	2,128609E+22	1,930962E+22	1,587123E+22	1,183097E+22	8,271531E+21	6,207711E+21	6,207737E+21	8,271671E+21	1,183127E+22
2865	1,587153E+22	1,930972E+22	2,128602E+22	2,128639E+22	1,931041E+22	1,587204E+22	1,183161E+22	8,271933E+21	6,207981E+21	6,207943E+21	8,271801E+21	1,183136E+22
2866	1,587171E+22	1,931006E+22	2,128625E+22	2,128641E+22	1,931031E+22	1,587168E+22	1,183127E+22	8,271880E+21	6,208202E+21	6,208380E+21	8,272343E+21	1,183182E+22
2867	1,587192E+22	1,930986E+22	2,128540E+22	2,128491E+22	1,930913E+22	1,587150E+22	1,183168E+22	8,272431E+21	6,208640E+21	6,208523E+21	8,272131E+21	1,183132E+22
2868	1,587127E+22	1,930934E+22	2,128557E+22	2,128582E+22	1,931006E+22	1,587212E+22	1,183202E+22	8,272678E+21	6,208952E+21	6,208909E+21	8,272484E+21	1,183162E+22

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												
2869	1,587164E+22	1,930975E+22	2,128560E+22	2,128539E+22	1,930919E+22	1,587112E+22	1,183145E+22	8,272596E+21	6,209159E+21	6,209273E+21	8,272900E+21	1,183187E+22
2870	1,587147E+22	1,930907E+22	2,128457E+22	2,128446E+22	1,930893E+22	1,587143E+22	1,183198E+22	8,273110E+21	6,209505E+21	6,209347E+21	8,272706E+21	1,183148E+22
2871	1,587102E+22	1,930889E+22	2,128508E+22	2,128546E+22	1,930985E+22	1,587188E+22	1,183191E+22	8,272895E+21	6,209444E+21	6,209556E+21	8,273177E+21	1,183214E+22
2872	1,587170E+22	1,930922E+22	2,128481E+22	2,128460E+22	1,930865E+22	1,587100E+22	1,183157E+22	8,272799E+21	6,209369E+21	6,209421E+21	8,273001E+21	1,183197E+22
2873	1,587150E+22	1,930889E+22	2,128442E+22	2,128461E+22	1,930922E+22	1,587170E+22	1,183210E+22	8,273060E+21	6,209359E+21	6,209216E+21	8,272677E+21	1,183167E+22
2874	1,587150E+22	1,930952E+22	2,128542E+22	2,128539E+22	1,930957E+22	1,587154E+22	1,183162E+22	8,272629E+21	6,209139E+21	6,209242E+21	8,272913E+21	1,183200E+22
2875	1,587180E+22	1,930964E+22	2,128524E+22	2,128466E+22	1,930863E+22	1,587113E+22	1,183162E+22	8,272634E+21	6,208983E+21	6,208866E+21	8,272364E+21	1,183138E+22
2876	1,587115E+22	1,930909E+22	2,128539E+22	2,128587E+22	1,931007E+22	1,587199E+22	1,183189E+22	8,272561E+21	6,208784E+21	6,208682E+21	8,272245E+21	1,183143E+22
2877	1,587155E+22	1,930979E+22	2,128582E+22	2,128593E+22	1,930985E+22	1,587141E+22	1,183122E+22	8,272032E+21	6,208449E+21	6,208593E+21	8,272435E+21	1,183175E+22
2878	1,587170E+22	1,930956E+22	2,128518E+22	2,128496E+22	1,930930E+22	1,587157E+22	1,183162E+22	8,272278E+21	6,208398E+21	6,208232E+21	8,271884E+21	1,183119E+22
2879	1,587126E+22	1,930945E+22	2,128580E+22	2,128611E+22	1,931029E+22	1,587214E+22	1,183171E+22	8,272092E+21	6,208229E+21	6,208234E+21	8,272068E+21	1,183158E+22
2880	1,587188E+22	1,931007E+22	2,128605E+22	2,128580E+22	1,930934E+22	1,587109E+22	1,183111E+22	8,271848E+21	6,208121E+21	6,208176E+21	8,272018E+21	1,183146E+22
2881	1,587165E+22	1,930968E+22	2,128549E+22	2,128552E+22	1,930968E+22	1,587161E+22	1,183156E+22	8,272201E+21	6,208301E+21	6,208159E+21	8,271830E+21	1,183113E+22
2882	1,587131E+22	1,930977E+22	2,128611E+22	2,128627E+22	1,931030E+22	1,587182E+22	1,183134E+22	8,271986E+21	6,208354E+21	6,208507E+21	8,272391E+21	1,183177E+22
2883	1,587179E+22	1,930979E+22	2,128566E+22	2,128525E+22	1,930907E+22	1,587123E+22	1,183135E+22	8,272171E+21	6,208527E+21	6,208550E+21	8,272274E+21	1,183152E+22
2884	1,587133E+22	1,930903E+22	2,128505E+22	2,128552E+22	1,930989E+22	1,587199E+22	1,183200E+22	8,272672E+21	6,208884E+21	6,208778E+21	8,272335E+21	1,183150E+22
2885	1,587158E+22	1,930966E+22	2,128543E+22	2,128543E+22	1,930956E+22	1,587144E+22	1,183151E+22	8,272542E+21	6,209097E+21	6,209256E+21	8,272958E+21	1,183203E+22
2886	1,587174E+22	1,930940E+22	2,128476E+22	2,128418E+22	1,930843E+22	1,587115E+22	1,183185E+22	8,273098E+21	6,209560E+21	6,209425E+21	8,272774E+21	1,183151E+22
2887	1,587096E+22	1,930866E+22	2,128471E+22	2,128501E+22	1,930941E+22	1,587182E+22	1,183221E+22	8,273316E+21	6,209840E+21	6,209819E+21	8,273192E+21	1,183189E+22
2888	1,587136E+22	1,930899E+22	2,128477E+22	2,128475E+22	1,930870E+22	1,587088E+22	1,183157E+22	8,273123E+21	6,209950E+21	6,210097E+21	8,273545E+21	1,183216E+22
2889	1,587131E+22	1,930846E+22	2,128374E+22	2,128376E+22	1,930851E+22	1,587132E+22	1,183214E+22	8,273574E+21	6,210173E+21	6,210072E+21	8,273328E+21	1,183183E+22
2890	1,587097E+22	1,930838E+22	2,128416E+22	2,128444E+22	1,930914E+22	1,587170E+22	1,183216E+22	8,273464E+21	6,210174E+21	6,210265E+21	8,273697E+21	1,183239E+22
2891	1,587168E+22	1,930896E+22	2,128426E+22	2,128380E+22	1,930794E+22	1,587079E+22	1,183184E+22	8,273395E+21	6,210110E+21	6,210098E+21	8,273413E+21	1,183202E+22
2892	1,587124E+22	1,930844E+22	2,128389E+22	2,128412E+22	1,930878E+22	1,587149E+22	1,183229E+22	8,273627E+21	6,210120E+21	6,209922E+21	8,273070E+21	1,183162E+22
2893	1,587118E+22	1,930908E+22	2,128488E+22	2,128486E+22	1,930913E+22	1,587132E+22	1,183170E+22	8,273068E+21	6,209820E+21	6,209956E+21	8,273436E+21	1,183213E+22
2894	1,587147E+22	1,930901E+22	2,128459E+22	2,128419E+22	1,930830E+22	1,587098E+22	1,183173E+22	8,273076E+21	6,209647E+21	6,209553E+21	8,272898E+21	1,183157E+22
2895	1,587088E+22	1,930835E+22	2,128438E+22	2,128502E+22	1,930960E+22	1,587194E+22	1,183217E+22	8,273063E+21	6,209436E+21	6,209355E+21	8,272788E+21	1,183169E+22
2896	1,587141E+22	1,930919E+22	2,128501E+22	2,128521E+22	1,930930E+22	1,587121E+22	1,183142E+22	8,272532E+21	6,209095E+21	6,209217E+21	8,272879E+21	1,183192E+22
2897	1,587161E+22	1,930919E+22	2,128455E+22	2,128430E+22	1,930878E+22	1,587135E+22	1,183175E+22	8,272746E+21	6,209045E+21	6,208894E+21	8,272399E+21	1,183139E+22
2898	1,587111E+22	1,930903E+22	2,128511E+22	2,128530E+22	1,930961E+22	1,587187E+22	1,183189E+22	8,272642E+21	6,208986E+21	6,208995E+21	8,272634E+21	1,183179E+22
2899	1,587172E+22	1,930966E+22	2,128550E+22	2,128518E+22	1,930877E+22	1,587087E+22	1,183130E+22	8,272405E+21	6,208899E+21	6,208964E+21	8,272604E+21	1,183166E+22
2900	1,587137E+22	1,930901E+22	2,128468E+22	2,128493E+22	1,930935E+22	1,587153E+22	1,183177E+22	8,272761E+21	6,209109E+21	6,208978E+21	8,272413E+21	1,183134E+22
2901	1,587119E+22	1,930928E+22	2,128526E+22	2,128540E+22	1,930973E+22	1,587169E+22	1,183157E+22	8,272518E+21	6,209117E+21	6,209315E+21	8,273033E+21	1,183209E+22
2902	1,587174E+22	1,930937E+22	2,128491E+22	2,128444E+22	1,930839E+22	1,587095E+22	1,183158E+22	8,272821E+21	6,209373E+21	6,209358E+21	8,272847E+21	1,183172E+22
2903	1,587117E+22	1,930853E+22	2,128420E+22	2,128458E+22	1,930917E+22	1,587175E+22	1,183229E+22	8,273379E+21	6,209792E+21	6,209649E+21	8,272927E+21	1,183164E+22
2904	1,587128E+22	1,930906E+22	2,128480E+22	2,128485E+22	1,930895E+22	1,587110E+22	1,183167E+22	8,273161E+21	6,209969E+21	6,210113E+21	8,273534E+21	1,183212E+22

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	1,587135E+22	1,930871E+22	2,128401E+22	2,128362E+22	1,930801E+22	1,587092E+22	1,183199E+22	8,273648E+21	6,210372E+21	6,210292E+21	8,273474E+21	1,183176E+22
2906	1,587062E+22	1,930783E+22	2,128363E+22	2,128406E+22	1,930884E+22	1,587170E+22	1,183247E+22	8,273920E+21	6,210676E+21	6,210686E+21	8,273887E+21	1,183223E+22
2907	1,587122E+22	1,930837E+22	2,128383E+22	2,128377E+22	1,930804E+22	1,587078E+22	1,183191E+22	8,273752E+21	6,210747E+21	6,210886E+21	8,274138E+21	1,183242E+22
2908	1,587118E+22	1,930790E+22	2,128286E+22	2,128292E+22	1,930795E+22	1,587117E+22	1,183242E+22	8,274209E+21	6,210985E+21	6,210825E+21	8,273800E+21	1,183197E+22
2909	1,587092E+22	1,930814E+22	2,128354E+22	2,128362E+22	1,930844E+22	1,587140E+22	1,183231E+22	8,273986E+21	6,210920E+21	6,211010E+21	8,274216E+21	1,183254E+22
2910	1,587152E+22	1,930863E+22	2,128383E+22	2,128333E+22	1,930742E+22	1,587046E+22	1,183194E+22	8,273917E+21	6,210844E+21	6,210817E+21	8,273913E+21	1,183211E+22
2911	1,587092E+22	1,930785E+22	2,128321E+22	2,128357E+22	1,930839E+22	1,587132E+22	1,183245E+22	8,274126E+21	6,210822E+21	6,210642E+21	8,273618E+21	1,183179E+22
2912	1,587084E+22	1,930835E+22	2,128416E+22	2,128441E+22	1,930884E+22	1,587121E+22	1,183185E+22	8,273478E+21	6,210432E+21	6,210598E+21	8,273933E+21	1,183233E+22
2913	1,587128E+22	1,930843E+22	2,128379E+22	2,128355E+22	1,930797E+22	1,587094E+22	1,183194E+22	8,273487E+21	6,210199E+21	6,210163E+21	8,273437E+21	1,183186E+22
2914	1,587080E+22	1,930788E+22	2,128348E+22	2,128400E+22	1,930888E+22	1,587176E+22	1,183244E+22	8,273616E+21	6,210112E+21	6,210006E+21	8,273277E+21	1,183192E+22
2915	1,587138E+22	1,930892E+22	2,128442E+22	2,128437E+22	1,930859E+22	1,587097E+22	1,183166E+22	8,273102E+21	6,209825E+21	6,209906E+21	8,273332E+21	1,183202E+22
2916	1,587138E+22	1,930877E+22	2,128401E+22	2,128376E+22	1,930831E+22	1,587109E+22	1,183188E+22	8,273276E+21	6,209807E+21	6,209638E+21	8,272863E+21	1,183146E+22
2917	1,587090E+22	1,930864E+22	2,128452E+22	2,128467E+22	1,930907E+22	1,587156E+22	1,183194E+22	8,273092E+21	6,209712E+21	6,209777E+21	8,273248E+21	1,183203E+22
2918	1,587151E+22	1,930912E+22	2,128484E+22	2,128464E+22	1,930838E+22	1,587067E+22	1,183145E+22	8,272912E+21	6,209633E+21	6,209718E+21	8,273198E+21	1,183192E+22
2919	1,587119E+22	1,930838E+22	2,128375E+22	2,128408E+22	1,930884E+22	1,587143E+22	1,183208E+22	8,273357E+21	6,209873E+21	6,209746E+21	8,272997E+21	1,183159E+22
2920	1,587100E+22	1,930868E+22	2,128449E+22	2,128467E+22	1,930915E+22	1,587149E+22	1,183184E+22	8,273139E+21	6,209910E+21	6,210067E+21	8,273536E+21	1,183222E+22
2921	1,587153E+22	1,930890E+22	2,128423E+22	2,128375E+22	1,930789E+22	1,587077E+22	1,183183E+22	8,273419E+21	6,210179E+21	6,210182E+21	8,273456E+21	1,183187E+22
2922	1,587084E+22	1,930791E+22	2,128333E+22	2,128364E+22	1,930844E+22	1,587149E+22	1,183257E+22	8,274076E+21	6,210714E+21	6,210568E+21	8,273603E+21	1,183185E+22
2923	1,587095E+22	1,930838E+22	2,128396E+22	2,128403E+22	1,930838E+22	1,587091E+22	1,183192E+22	8,273838E+21	6,210894E+21	6,211040E+21	8,274224E+21	1,183236E+22
2924	1,587103E+22	1,930790E+22	2,128300E+22	2,128283E+22	1,930759E+22	1,587080E+22	1,183222E+22	8,274261E+21	6,211252E+21	6,211184E+21	8,274125E+21	1,183206E+22
2925	1,587056E+22	1,930732E+22	2,128266E+22	2,128301E+22	1,930809E+22	1,587143E+22	1,183267E+22	8,274482E+21	6,211469E+21	6,211519E+21	8,274563E+21	1,183261E+22
2926	1,587123E+22	1,930803E+22	2,128314E+22	2,128294E+22	1,930732E+22	1,587042E+22	1,183209E+22	8,274359E+21	6,211537E+21	6,211639E+21	8,274680E+21	1,183263E+22
2927	1,587107E+22	1,930753E+22	2,128222E+22	2,128213E+22	1,930730E+22	1,587088E+22	1,183261E+22	8,274784E+21	6,211763E+21	6,211588E+21	8,274323E+21	1,183208E+22
2928	1,587061E+22	1,930763E+22	2,128311E+22	2,128323E+22	1,930799E+22	1,587111E+22	1,183242E+22	8,274466E+21	6,211618E+21	6,211710E+21	8,274686E+21	1,183260E+22
2929	1,587116E+22	1,930803E+22	2,128324E+22	2,128295E+22	1,930725E+22	1,587036E+22	1,183207E+22	8,274322E+21	6,211461E+21	6,211501E+21	8,274468E+21	1,183228E+22
2930	1,587058E+22	1,930711E+22	2,128225E+22	2,128273E+22	1,930798E+22	1,587130E+22	1,183274E+22	8,274644E+21	6,211491E+21	6,211324E+21	8,274161E+21	1,183205E+22
2931	1,587067E+22	1,930777E+22	2,128328E+22	2,128351E+22	1,930833E+22	1,587117E+22	1,183218E+22	8,274047E+21	6,211103E+21	6,211233E+21	8,274390E+21	1,183251E+22
2932	1,587113E+22	1,930792E+22	2,128298E+22	2,128274E+22	1,930746E+22	1,587078E+22	1,183220E+22	8,274063E+21	6,210916E+21	6,210819E+21	8,273844E+21	1,183200E+22
2933	1,587078E+22	1,930766E+22	2,128291E+22	2,128314E+22	1,930812E+22	1,587138E+22	1,183256E+22	8,274105E+21	6,210809E+21	6,210719E+21	8,273810E+21	1,183213E+22
2934	1,587127E+22	1,930864E+22	2,128404E+22	2,128386E+22	1,930798E+22	1,587053E+22	1,183171E+22	8,273602E+21	6,210537E+21	6,210625E+21	8,273876E+21	1,183220E+22
2935	1,587114E+22	1,930824E+22	2,128338E+22	2,128319E+22	1,930791E+22	1,587086E+22	1,183199E+22	8,273741E+21	6,210518E+21	6,210396E+21	8,273463E+21	1,183170E+22
2936	1,587064E+22	1,930801E+22	2,128389E+22	2,128421E+22	1,930876E+22	1,587141E+22	1,183206E+22	8,273505E+21	6,210353E+21	6,210462E+21	8,273776E+21	1,183226E+22
2937	1,587136E+22	1,930859E+22	2,128406E+22	2,128397E+22	1,930804E+22	1,587061E+22	1,183169E+22	8,273394E+21	6,210283E+21	6,210411E+21	8,273755E+21	1,183215E+22
2938	1,587102E+22	1,930785E+22	2,128286E+22	2,128307E+22	1,930815E+22	1,587127E+22	1,183244E+22	8,274057E+21	6,210706E+21	6,210522E+21	8,273534E+21	1,183176E+22
2939	1,587077E+22	1,930819E+22	2,128377E+22	2,128381E+22	1,930850E+22	1,587129E+22	1,183216E+22	8,273863E+21	6,210821E+21	6,210918E+21	8,274078E+21	1,183227E+22
2940	1,587110E+22	1,930819E+22	2,128345E+22	2,128307E+22	1,930742E+22	1,587057E+22	1,183207E+22	8,274117E+21	6,211129E+21	6,211107E+21	8,274070E+21	1,183201E+22

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	1,587055E+22	1,930725E+22	2,128243E+22	2,128272E+22	1,930779E+22	1,587119E+22	1,183272E+22	8,274665E+21	6,211603E+21	6,211520E+21	8,274376E+21	1,183221E+22
2942	1,587075E+22	1,930769E+22	2,128303E+22	2,128315E+22	1,930777E+22	1,587064E+22	1,183212E+22	8,274451E+21	6,211739E+21	6,211914E+21	8,274933E+21	1,183273E+22
2943	1,587092E+22	1,930726E+22	2,128199E+22	2,128181E+22	1,930692E+22	1,587060E+22	1,183248E+22	8,274878E+21	6,212067E+21	6,212009E+21	8,274766E+21	1,183237E+22
2944	1,587046E+22	1,930686E+22	2,128201E+22	2,128228E+22	1,930744E+22	1,587110E+22	1,183283E+22	8,275036E+21	6,212225E+21	6,212252E+21	8,275069E+21	1,183278E+22
2945	1,587111E+22	1,930769E+22	2,128263E+22	2,128237E+22	1,930688E+22	1,587022E+22	1,183226E+22	8,274861E+21	6,212243E+21	6,212374E+21	8,275222E+21	1,183276E+22
2946	1,587078E+22	1,930702E+22	2,128160E+22	2,128144E+22	1,930676E+22	1,587068E+22	1,183285E+22	8,275381E+21	6,212533E+21	6,212346E+21	8,274876E+21	1,183224E+22
2947	1,587029E+22	1,930700E+22	2,128241E+22	2,128263E+22	1,930767E+22	1,587106E+22	1,183266E+22	8,275031E+21	6,212366E+21	6,212441E+21	8,275206E+21	1,183274E+22
2948	1,587082E+22	1,930729E+22	2,128236E+22	2,128229E+22	1,930700E+22	1,587040E+22	1,183234E+22	8,274853E+21	6,212166E+21	6,212195E+21	8,274954E+21	1,183250E+22
2949	1,587053E+22	1,930666E+22	2,128138E+22	2,128169E+22	1,930725E+22	1,587107E+22	1,183295E+22	8,275153E+21	6,212160E+21	6,212007E+21	8,274707E+21	1,183235E+22
2950	1,587068E+22	1,930745E+22	2,128266E+22	2,128271E+22	1,930762E+22	1,587080E+22	1,183234E+22	8,274605E+21	6,211801E+21	6,211884E+21	8,274847E+21	1,183269E+22
2951	1,587102E+22	1,930757E+22	2,128244E+22	2,128205E+22	1,930683E+22	1,587043E+22	1,183229E+22	8,274544E+21	6,211611E+21	6,211517E+21	8,274337E+21	1,183212E+22
2952	1,587049E+22	1,930719E+22	2,128255E+22	2,128279E+22	1,930765E+22	1,587099E+22	1,183254E+22	8,274497E+21	6,211441E+21	6,211383E+21	8,274296E+21	1,183225E+22
2953	1,587098E+22	1,930810E+22	2,128350E+22	2,128347E+22	1,930781E+22	1,587043E+22	1,183180E+22	8,273950E+21	6,211115E+21	6,211291E+21	8,274433E+21	1,183240E+22
2954	1,587086E+22	1,930757E+22	2,128253E+22	2,128238E+22	1,930747E+22	1,587083E+22	1,183228E+22	8,274267E+21	6,211194E+21	6,211084E+21	8,274005E+21	1,183195E+22
2955	1,587048E+22	1,930743E+22	2,128302E+22	2,128334E+22	1,930830E+22	1,587140E+22	1,183243E+22	8,274152E+21	6,211112E+21	6,211160E+21	8,274235E+21	1,183238E+22
2956	1,587112E+22	1,930802E+22	2,128324E+22	2,128316E+22	1,930760E+22	1,587054E+22	1,183202E+22	8,274083E+21	6,211137E+21	6,211187E+21	8,274224E+21	1,183226E+22
2957	1,587086E+22	1,930741E+22	2,128212E+22	2,128209E+22	1,930734E+22	1,587094E+22	1,183266E+22	8,274716E+21	6,211599E+21	6,211420E+21	8,274199E+21	1,183199E+22
2958	1,587053E+22	1,930760E+22	2,128307E+22	2,128309E+22	1,930783E+22	1,587089E+22	1,183233E+22	8,274545E+21	6,211732E+21	6,211830E+21	8,274776E+21	1,183254E+22
2959	1,587080E+22	1,930744E+22	2,128251E+22	2,128222E+22	1,930686E+22	1,587031E+22	1,183223E+22	8,274718E+21	6,212016E+21	6,212051E+21	8,274841E+21	1,183238E+22
2960	1,587032E+22	1,930655E+22	2,128161E+22	2,128194E+22	1,930718E+22	1,587091E+22	1,183284E+22	8,275178E+21	6,212373E+21	6,212347E+21	8,275053E+21	1,183259E+22
2961	1,587073E+22	1,930723E+22	2,128223E+22	2,128229E+22	1,930720E+22	1,587045E+22	1,183234E+22	8,274971E+21	6,212464E+21	6,212685E+21	8,275551E+21	1,183302E+22
2962	1,587085E+22	1,930687E+22	2,128126E+22	2,128084E+22	1,930617E+22	1,587035E+22	1,183276E+22	8,275540E+21	6,212893E+21	6,212787E+21	8,275296E+21	1,183255E+22
2963	1,587031E+22	1,930648E+22	2,128145E+22	2,128161E+22	1,930694E+22	1,587091E+22	1,183306E+22	8,275684E+21	6,213064E+21	6,213028E+21	8,275536E+21	1,183279E+22
2964	1,587071E+22	1,930707E+22	2,128199E+22	2,128188E+22	1,930663E+22	1,587014E+22	1,183250E+22	8,275478E+21	6,213069E+21	6,213155E+21	8,275716E+21	1,183285E+22
2965	1,587046E+22	1,930635E+22	2,128080E+22	2,128070E+22	1,930630E+22	1,587054E+22	1,183305E+22	8,275920E+21	6,213295E+21	6,213143E+21	8,275511E+21	1,183251E+22
2966	1,587006E+22	1,930629E+22	2,128155E+22	2,128186E+22	1,930715E+22	1,587088E+22	1,183291E+22	8,275605E+21	6,213079E+21	6,213149E+21	8,275756E+21	1,183298E+22
2967	1,587065E+22	1,930665E+22	2,128142E+22	2,128135E+22	1,930638E+22	1,587023E+22	1,183259E+22	8,275413E+21	6,212876E+21	6,212895E+21	8,275485E+21	1,183273E+22
2968	1,587038E+22	1,930624E+22	2,128083E+22	2,128099E+22	1,930659E+22	1,587071E+22	1,183302E+22	8,275589E+21	6,212788E+21	6,212631E+21	8,275147E+21	1,183251E+22
2969	1,587058E+22	1,930715E+22	2,128220E+22	2,128213E+22	1,930712E+22	1,587053E+22	1,183239E+22	8,274980E+21	6,212393E+21	6,212529E+21	8,275339E+21	1,183282E+22
2970	1,587079E+22	1,930711E+22	2,128189E+22	2,128145E+22	1,930633E+22	1,587019E+22	1,183242E+22	8,275023E+21	6,212272E+21	6,212186E+21	8,274850E+21	1,183233E+22
2971	1,587029E+22	1,930665E+22	2,128190E+22	2,128228E+22	1,930742E+22	1,587092E+22	1,183268E+22	8,274956E+21	6,212100E+21	6,212041E+21	8,274772E+21	1,183242E+22
2972	1,587074E+22	1,930746E+22	2,128270E+22	2,128285E+22	1,930760E+22	1,587051E+22	1,183209E+22	8,274471E+21	6,211787E+21	6,211940E+21	8,274885E+21	1,183262E+22
2973	1,587083E+22	1,930714E+22	2,128173E+22	2,128141E+22	1,930678E+22	1,587065E+22	1,183255E+22	8,274854E+21	6,211930E+21	6,211809E+21	8,274553E+21	1,183220E+22
2974	1,587039E+22	1,930701E+22	2,128235E+22	2,128251E+22	1,930757E+22	1,587107E+22	1,183268E+22	8,274835E+21	6,211944E+21	6,211930E+21	8,274742E+21	1,183248E+22
2975	1,587085E+22	1,930747E+22	2,128254E+22	2,128237E+22	1,930695E+22	1,587026E+22	1,183221E+22	8,274728E+21	6,212025E+21	6,212075E+21	8,274850E+21	1,183240E+22
2976	1,587046E+22	1,930675E+22	2,128153E+22	2,128150E+22	1,930675E+22	1,587055E+22	1,183272E+22	8,275249E+21	6,212419E+21	6,212281E+21	8,274860E+21	1,183224E+22

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	1,587027E+22	1,930691E+22	2,128223E+22	2,128237E+22	1,930742E+22	1,587074E+22	1,183247E+22	8,275029E+21	6,212500E+21	6,212687E+21	8,275486E+21	1,183286E+22
2978	1,587061E+22	1,930672E+22	2,128151E+22	2,128122E+22	1,930622E+22	1,587016E+22	1,183253E+22	8,275351E+21	6,212833E+21	6,212878E+21	8,275499E+21	1,183274E+22
2979	1,587027E+22	1,930602E+22	2,128072E+22	2,128102E+22	1,930662E+22	1,587076E+22	1,183312E+22	8,275850E+21	6,213217E+21	6,213133E+21	8,275584E+21	1,183276E+22
2980	1,587057E+22	1,930676E+22	2,128153E+22	2,128154E+22	1,930672E+22	1,587036E+22	1,183264E+22	8,275657E+21	6,213335E+21	6,213480E+21	8,276042E+21	1,183315E+22
2981	1,587071E+22	1,930647E+22	2,128066E+22	2,128004E+22	1,930544E+22	1,587004E+22	1,183298E+22	8,276185E+21	6,213769E+21	6,213663E+21	8,275929E+21	1,183274E+22
2982	1,587003E+22	1,930589E+22	2,128083E+22	2,128105E+22	1,930644E+22	1,587062E+22	1,183326E+22	8,276342E+21	6,213923E+21	6,213869E+21	8,276140E+21	1,183295E+22
2983	1,587034E+22	1,930628E+22	2,128110E+22	2,128118E+22	1,930626E+22	1,587006E+22	1,183269E+22	8,276027E+21	6,213867E+21	6,213989E+21	8,276364E+21	1,183310E+22
2984	1,587016E+22	1,930563E+22	2,127998E+22	2,127993E+22	1,930572E+22	1,587033E+22	1,183320E+22	8,276375E+21	6,213952E+21	6,213839E+21	8,276077E+21	1,183282E+22
2985	1,587002E+22	1,930582E+22	2,128073E+22	2,128100E+22	1,930657E+22	1,587071E+22	1,183310E+22	8,276050E+21	6,213690E+21	6,213788E+21	8,276251E+21	1,183320E+22
2986	1,587056E+22	1,930626E+22	2,128073E+22	2,128046E+22	1,930563E+22	1,586993E+22	1,183277E+22	8,275947E+21	6,213561E+21	6,213548E+21	8,275940E+21	1,183290E+22
2987	1,587026E+22	1,930590E+22	2,128033E+22	2,128044E+22	1,930612E+22	1,587045E+22	1,183310E+22	8,276067E+21	6,213468E+21	6,213283E+21	8,275564E+21	1,183255E+22
2988	1,587029E+22	1,930665E+22	2,128168E+22	2,128173E+22	1,930689E+22	1,587044E+22	1,183253E+22	8,275441E+21	6,213054E+21	6,213171E+21	8,275775E+21	1,183297E+22
2989	1,587061E+22	1,930657E+22	2,128120E+22	2,128078E+22	1,930588E+22	1,587006E+22	1,183257E+22	8,275465E+21	6,212922E+21	6,212877E+21	8,275407E+21	1,183260E+22
2990	1,587016E+22	1,930610E+22	2,128116E+22	2,128160E+22	1,930694E+22	1,587079E+22	1,183295E+22	8,275513E+21	6,212772E+21	6,212685E+21	8,275236E+21	1,183259E+22
2991	1,587058E+22	1,930690E+22	2,128185E+22	2,128200E+22	1,930705E+22	1,587042E+22	1,183237E+22	8,275071E+21	6,212541E+21	6,212660E+21	8,275381E+21	1,183276E+22
2992	1,587058E+22	1,930668E+22	2,128118E+22	2,128072E+22	1,930610E+22	1,587034E+22	1,183270E+22	8,275398E+21	6,212680E+21	6,212550E+21	8,275074E+21	1,183236E+22
2993	1,587020E+22	1,930654E+22	2,128174E+22	2,128185E+22	1,930701E+22	1,587083E+22	1,183283E+22	8,275354E+21	6,212713E+21	6,212747E+21	8,275351E+21	1,183264E+22
2994	1,587052E+22	1,930680E+22	2,128175E+22	2,128161E+22	1,930635E+22	1,587000E+22	1,183241E+22	8,275347E+21	6,212882E+21	6,212952E+21	8,275538E+21	1,183271E+22
2995	1,587026E+22	1,930607E+22	2,128063E+22	2,128077E+22	1,930636E+22	1,587042E+22	1,183287E+22	8,275813E+21	6,213248E+21	6,213129E+21	8,275502E+21	1,183252E+22
2996	1,587011E+22	1,930628E+22	2,128129E+22	2,128151E+22	1,930695E+22	1,587070E+22	1,183278E+22	8,275658E+21	6,213320E+21	6,213481E+21	8,276075E+21	1,183320E+22
2997	1,587065E+22	1,930630E+22	2,128067E+22	2,128020E+22	1,930540E+22	1,586988E+22	1,183279E+22	8,276017E+21	6,213698E+21	6,213721E+21	8,276125E+21	1,183303E+22
2998	1,587023E+22	1,930567E+22	2,128013E+22	2,128027E+22	1,930588E+22	1,587039E+22	1,183334E+22	8,276547E+21	6,214110E+21	6,213972E+21	8,276125E+21	1,183286E+22
2999	1,587025E+22	1,930618E+22	2,128085E+22	2,128086E+22	1,930617E+22	1,587015E+22	1,183286E+22	8,276314E+21	6,214247E+21	6,214389E+21	8,276666E+21	1,183323E+22