

1 Longitude $\ominus$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-3000	2,527728E+22	2,534508E+22	2,499116E+22	2,499105E+22	2,534466E+22	2,527644E+22	2,420334E+22	2,241297E+22	2,098646E+22	2,098664E+22	2,241317E+22	2,420312E+22
-2999	2,527574E+22	2,534357E+22	2,499007E+22	2,499070E+22	2,534484E+22	2,527695E+22	2,420401E+22	2,241359E+22	2,098681E+22	2,098671E+22	2,241326E+22	2,420348E+22
-2998	2,527662E+22	2,534495E+22	2,499104E+22	2,499106E+22	2,534501E+22	2,527692E+22	2,420382E+22	2,241349E+22	2,098696E+22	2,098715E+22	2,241411E+22	2,420448E+22
-2997	2,527700E+22	2,534472E+22	2,499074E+22	2,499069E+22	2,534467E+22	2,527693E+22	2,420413E+22	2,241383E+22	2,098714E+22	2,098689E+22	2,241310E+22	2,420317E+22
-2996	2,527599E+22	2,534407E+22	2,499056E+22	2,499064E+22	2,534439E+22	2,527661E+22	2,420419E+22	2,241435E+22	2,098792E+22	2,098772E+22	2,241393E+22	2,420406E+22
-2995	2,527730E+22	2,534553E+22	2,499161E+22	2,499137E+22	2,534472E+22	2,527638E+22	2,420367E+22	2,241400E+22	2,098790E+22	2,098810E+22	2,241447E+22	2,420413E+22
-2994	2,527645E+22	2,534438E+22	2,499076E+22	2,499101E+22	2,534488E+22	2,527685E+22	2,420405E+22	2,241412E+22	2,098784E+22	2,098771E+22	2,241374E+22	2,420340E+22
-2993	2,527611E+22	2,534462E+22	2,499136E+22	2,499130E+22	2,534478E+22	2,527660E+22	2,420387E+22	2,241408E+22	2,098797E+22	2,098813E+22	2,241466E+22	2,420492E+22
-2992	2,527772E+22	2,534550E+22	2,499163E+22	2,499152E+22	2,534498E+22	2,527668E+22	2,420375E+22	2,241377E+22	2,098761E+22	2,098787E+22	2,241417E+22	2,420382E+22
-2991	2,527629E+22	2,534418E+22	2,499053E+22	2,499086E+22	2,534487E+22	2,527706E+22	2,420440E+22	2,241435E+22	2,098776E+22	2,098745E+22	2,241355E+22	2,420348E+22
-2990	2,527660E+22	2,534528E+22	2,499165E+22	2,499141E+22	2,534496E+22	2,527677E+22	2,420397E+22	2,241408E+22	2,098779E+22	2,098776E+22	2,241423E+22	2,420447E+22
-2989	2,527716E+22	2,534511E+22	2,499141E+22	2,499134E+22	2,534492E+22	2,527677E+22	2,420390E+22	2,241386E+22	2,098750E+22	2,098737E+22	2,241334E+22	2,420304E+22
-2988	2,527572E+22	2,534379E+22	2,499041E+22	2,499081E+22	2,534473E+22	2,527677E+22	2,420405E+22	2,241404E+22	2,098760E+22	2,098752E+22	2,241383E+22	2,420381E+22
-2987	2,527681E+22	2,534509E+22	2,499123E+22	2,499118E+22	2,534485E+22	2,527665E+22	2,420370E+22	2,241357E+22	2,098714E+22	2,098738E+22	2,241423E+22	2,420439E+22
-2986	2,527660E+22	2,534417E+22	2,499027E+22	2,499048E+22	2,534465E+22	2,527691E+22	2,420404E+22	2,241363E+22	2,098686E+22	2,098662E+22	2,241298E+22	2,420319E+22
-2985	2,527604E+22	2,534419E+22	2,499055E+22	2,499043E+22	2,534422E+22	2,527642E+22	2,420376E+22	2,241360E+22	2,098696E+22	2,098689E+22	2,241358E+22	2,420428E+22
-2984	2,527762E+22	2,534551E+22	2,499130E+22	2,499095E+22	2,534442E+22	2,527624E+22	2,420332E+22	2,241313E+22	2,098671E+22	2,098695E+22	2,241353E+22	2,420347E+22
-2983	2,527613E+22	2,534410E+22	2,499022E+22	2,499043E+22	2,534451E+22	2,527665E+22	2,420381E+22	2,241353E+22	2,098681E+22	2,098660E+22	2,241297E+22	2,420302E+22
-2982	2,527598E+22	2,534462E+22	2,499113E+22	2,499108E+22	2,534480E+22	2,527656E+22	2,420350E+22	2,241333E+22	2,098693E+22	2,098705E+22	2,241384E+22	2,420445E+22
-2981	2,527722E+22	2,534493E+22	2,499112E+22	2,499119E+22	2,534495E+22	2,527678E+22	2,420366E+22	2,241331E+22	2,098683E+22	2,098691E+22	2,241332E+22	2,420332E+22
-2980	2,527595E+22	2,534367E+22	2,498998E+22	2,499045E+22	2,534462E+22	2,527687E+22	2,420417E+22	2,241398E+22	2,098732E+22	2,098715E+22	2,241353E+22	2,420363E+22
-2979	2,527674E+22	2,534518E+22	2,499131E+22	2,499107E+22	2,534468E+22	2,527665E+22	2,420400E+22	2,241406E+22	2,098761E+22	2,098762E+22	2,241422E+22	2,420442E+22
-2978	2,527691E+22	2,534477E+22	2,499099E+22	2,499094E+22	2,534469E+22	2,527679E+22	2,420415E+22	2,241424E+22	2,098790E+22	2,098766E+22	2,241348E+22	2,420309E+22
-2977	2,527581E+22	2,534423E+22	2,499098E+22	2,499099E+22	2,534450E+22	2,527644E+22	2,420394E+22	2,241435E+22	2,098828E+22	2,098827E+22	2,241437E+22	2,420426E+22
-2976	2,527730E+22	2,534561E+22	2,499191E+22	2,499174E+22	2,534501E+22	2,527651E+22	2,420359E+22	2,241392E+22	2,098815E+22	2,098859E+22	2,241487E+22	2,420432E+22
-2975	2,527646E+22	2,534432E+22	2,499076E+22	2,499106E+22	2,534497E+22	2,527698E+22	2,420423E+22	2,241438E+22	2,098818E+22	2,098809E+22	2,241405E+22	2,420364E+22
-2974	2,527622E+22	2,534462E+22	2,499132E+22	2,499144E+22	2,534506E+22	2,527683E+22	2,420407E+22	2,241436E+22	2,098826E+22	2,098827E+22	2,241458E+22	2,420484E+22
-2973	2,527779E+22	2,534570E+22	2,499184E+22	2,499166E+22	2,534510E+22	2,527686E+22	2,420406E+22	2,241424E+22	2,098812E+22	2,098813E+22	2,241413E+22	2,420370E+22
-2972	2,527624E+22	2,534429E+22	2,499070E+22	2,499086E+22	2,534466E+22	2,527682E+22	2,420438E+22	2,241465E+22	2,098831E+22	2,098802E+22	2,241388E+22	2,420346E+22
-2971	2,527632E+22	2,534512E+22	2,499182E+22	2,499160E+22	2,534489E+22	2,527660E+22	2,420400E+22	2,241438E+22	2,098824E+22	2,098825E+22	2,241455E+22	2,420455E+22
-2970	2,527696E+22	2,534480E+22	2,499127E+22	2,499140E+22	2,534507E+22	2,527689E+22	2,420398E+22	2,241403E+22	2,098789E+22	2,098790E+22	2,241379E+22	2,420324E+22
-2969	2,527575E+22	2,534383E+22	2,499040E+22	2,499066E+22	2,534458E+22	2,527667E+22	2,420397E+22	2,241398E+22	2,098764E+22	2,098766E+22	2,241402E+22	2,420410E+22
-2968	2,527716E+22	2,534535E+22	2,499137E+22	2,499113E+22	2,534473E+22	2,527656E+22	2,420364E+22	2,241360E+22	2,098733E+22	2,098759E+22	2,241426E+22	2,420436E+22
-2967	2,527676E+22	2,534444E+22	2,499050E+22	2,499045E+22	2,534440E+22	2,527666E+22	2,420401E+22	2,241390E+22	2,098729E+22	2,098698E+22	2,241308E+22	2,420310E+22
-2966	2,527594E+22	2,534426E+22	2,499086E+22	2,499087E+22	2,534450E+22	2,527637E+22	2,420364E+22	2,241370E+22	2,098728E+22	2,098719E+22	2,241360E+22	2,420409E+22
-2965	2,527742E+22	2,534551E+22	2,499162E+22	2,499144E+22	2,534488E+22	2,527650E+22	2,420343E+22	2,241333E+22	2,098708E+22	2,098730E+22	2,241374E+22	2,420351E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$												
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
-2964	2,527601E+22	2,534398E+22	2,499027E+22	2,499051E+22	2,534460E+22	2,527676E+22	2,420392E+22	2,241371E+22	2,098717E+22	2,098709E+22	2,241341E+22	2,420326E+22
-2963	2,527592E+22	2,534445E+22	2,499115E+22	2,499115E+22	2,534479E+22	2,527669E+22	2,420390E+22	2,241382E+22	2,098737E+22	2,098740E+22	2,241402E+22	2,420454E+22
-2962	2,527725E+22	2,534485E+22	2,499103E+22	2,499114E+22	2,534498E+22	2,527694E+22	2,420399E+22	2,241386E+22	2,098751E+22	2,098749E+22	2,241356E+22	2,420327E+22
-2961	2,527597E+22	2,534397E+22	2,499028E+22	2,499040E+22	2,534436E+22	2,527664E+22	2,420414E+22	2,241427E+22	2,098787E+22	2,098769E+22	2,241380E+22	2,420369E+22
-2960	2,527681E+22	2,534540E+22	2,499172E+22	2,499135E+22	2,534465E+22	2,527640E+22	2,420379E+22	2,241419E+22	2,098821E+22	2,098837E+22	2,241463E+22	2,420443E+22
-2959	2,527678E+22	2,534470E+22	2,499113E+22	2,499114E+22	2,534473E+22	2,527662E+22	2,420400E+22	2,241441E+22	2,098842E+22	2,098837E+22	2,241409E+22	2,420338E+22
-2958	2,527577E+22	2,534407E+22	2,499102E+22	2,499134E+22	2,534492E+22	2,527661E+22	2,420390E+22	2,241433E+22	2,098844E+22	2,098856E+22	2,241466E+22	2,420452E+22
-2957	2,527748E+22	2,534567E+22	2,499201E+22	2,499191E+22	2,534527E+22	2,527682E+22	2,420389E+22	2,241417E+22	2,098835E+22	2,098870E+22	2,241496E+22	2,420449E+22
-2956	2,527671E+22	2,534456E+22	2,499088E+22	2,499096E+22	2,534481E+22	2,527694E+22	2,420441E+22	2,241472E+22	2,098856E+22	2,098837E+22	2,241417E+22	2,420365E+22
-2955	2,527628E+22	2,534485E+22	2,499169E+22	2,499157E+22	2,534489E+22	2,527674E+22	2,420435E+22	2,241488E+22	2,098879E+22	2,098860E+22	2,241453E+22	2,420456E+22
-2954	2,527757E+22	2,534562E+22	2,499200E+22	2,499192E+22	2,534525E+22	2,527689E+22	2,420418E+22	2,241463E+22	2,098876E+22	2,098876E+22	2,241438E+22	2,420347E+22
-2953	2,527596E+22	2,534430E+22	2,499092E+22	2,499103E+22	2,534472E+22	2,527674E+22	2,420426E+22	2,241469E+22	2,098861E+22	2,098847E+22	2,241428E+22	2,420365E+22
-2952	2,527630E+22	2,534501E+22	2,499186E+22	2,499170E+22	2,534497E+22	2,527663E+22	2,420393E+22	2,241436E+22	2,098848E+22	2,098867E+22	2,241488E+22	2,420470E+22
-2951	2,527698E+22	2,534461E+22	2,499108E+22	2,499124E+22	2,534492E+22	2,527683E+22	2,420408E+22	2,241427E+22	2,098819E+22	2,098823E+22	2,241412E+22	2,420349E+22
-2950	2,527594E+22	2,534385E+22	2,499038E+22	2,499073E+22	2,534465E+22	2,527666E+22	2,420398E+22	2,241412E+22	2,098783E+22	2,098777E+22	2,241398E+22	2,420405E+22
-2949	2,527731E+22	2,534565E+22	2,499170E+22	2,499128E+22	2,534471E+22	2,527653E+22	2,420374E+22	2,241386E+22	2,098768E+22	2,098782E+22	2,241428E+22	2,420426E+22
-2948	2,527671E+22	2,534460E+22	2,499082E+22	2,499063E+22	2,534429E+22	2,527638E+22	2,420384E+22	2,241403E+22	2,098770E+22	2,098749E+22	2,241343E+22	2,420312E+22
-2947	2,527575E+22	2,534416E+22	2,499109E+22	2,499118E+22	2,534461E+22	2,527637E+22	2,420371E+22	2,241391E+22	2,098763E+22	2,098758E+22	2,241383E+22	2,420406E+22
-2946	2,527722E+22	2,534522E+22	2,499153E+22	2,499162E+22	2,534520E+22	2,527680E+22	2,420367E+22	2,241359E+22	2,098747E+22	2,098777E+22	2,241407E+22	2,420359E+22
-2945	2,527603E+22	2,534403E+22	2,499031E+22	2,499046E+22	2,534455E+22	2,527681E+22	2,420407E+22	2,241392E+22	2,098742E+22	2,098735E+22	2,241365E+22	2,420347E+22
-2944	2,527615E+22	2,534459E+22	2,499127E+22	2,499113E+22	2,534468E+22	2,527665E+22	2,420399E+22	2,241414E+22	2,098788E+22	2,098786E+22	2,241418E+22	2,420446E+22
-2943	2,527725E+22	2,534497E+22	2,499121E+22	2,499114E+22	2,534475E+22	2,527672E+22	2,420407E+22	2,241432E+22	2,098821E+22	2,098817E+22	2,241396E+22	2,420332E+22
-2942	2,527590E+22	2,534397E+22	2,499054E+22	2,499082E+22	2,534459E+22	2,527653E+22	2,420400E+22	2,241442E+22	2,098833E+22	2,098822E+22	2,241408E+22	2,420370E+22
-2941	2,527680E+22	2,534549E+22	2,499201E+22	2,499174E+22	2,534497E+22	2,527656E+22	2,420385E+22	2,241437E+22	2,098859E+22	2,098882E+22	2,241505E+22	2,420468E+22
-2940	2,527686E+22	2,534474E+22	2,499127E+22	2,499126E+22	2,534477E+22	2,527662E+22	2,420405E+22	2,241457E+22	2,098875E+22	2,098881E+22	2,241455E+22	2,420372E+22
-2939	2,527591E+22	2,534409E+22	2,499115E+22	2,499145E+22	2,534493E+22	2,527675E+22	2,420428E+22	2,241477E+22	2,098880E+22	2,098876E+22	2,241469E+22	2,420451E+22
-2938	2,527758E+22	2,534577E+22	2,499211E+22	2,499200E+22	2,534538E+22	2,527702E+22	2,420426E+22	2,241473E+22	2,098895E+22	2,098913E+22	2,241503E+22	2,420426E+22
-2937	2,527666E+22	2,534489E+22	2,499126E+22	2,499103E+22	2,534460E+22	2,527674E+22	2,420443E+22	2,241502E+22	2,098904E+22	2,098879E+22	2,241432E+22	2,420353E+22
-2936	2,527612E+22	2,534484E+22	2,499197E+22	2,499188E+22	2,534493E+22	2,527655E+22	2,420417E+22	2,241504E+22	2,098937E+22	2,098926E+22	2,241485E+22	2,420440E+22
-2935	2,527724E+22	2,534535E+22	2,499196E+22	2,499202E+22	2,534529E+22	2,527680E+22	2,420408E+22	2,241478E+22	2,098922E+22	2,098939E+22	2,241497E+22	2,420374E+22
-2934	2,527586E+22	2,534397E+22	2,499073E+22	2,499116E+22	2,534494E+22	2,527679E+22	2,420418E+22	2,241465E+22	2,098872E+22	2,098869E+22	2,241453E+22	2,420391E+22
-2933	2,527654E+22	2,534507E+22	2,499182E+22	2,499167E+22	2,534498E+22	2,527673E+22	2,420410E+22	2,241454E+22	2,098860E+22	2,098872E+22	2,241500E+22	2,420492E+22
-2932	2,527727E+22	2,534489E+22	2,499118E+22	2,499107E+22	2,534458E+22	2,527655E+22	2,420404E+22	2,241447E+22	2,098847E+22	2,098844E+22	2,241425E+22	2,420356E+22
-2931	2,527605E+22	2,534411E+22	2,499077E+22	2,499091E+22	2,534449E+22	2,527651E+22	2,420409E+22	2,241440E+22	2,098816E+22	2,098797E+22	2,241392E+22	2,420380E+22
-2930	2,527713E+22	2,534567E+22	2,499198E+22	2,499169E+22	2,534499E+22	2,527662E+22	2,420380E+22	2,241409E+22	2,098812E+22	2,098829E+22	2,241449E+22	2,420402E+22
-2929	2,527647E+22	2,534468E+22	2,499110E+22	2,499091E+22	2,534448E+22	2,527647E+22	2,420381E+22	2,241405E+22	2,098789E+22	2,098783E+22	2,241376E+22	2,420326E+22

1 Years \ Longitude $\odot$	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2928	2,527571E+22	2,534402E+22	2,499115E+22	2,499140E+22	2,534485E+22	2,527657E+22	2,420382E+22	2,241408E+22	2,098801E+22	2,098801E+22	2,241410E+22	2,420409E+22
-2927	2,527715E+22	2,534502E+22	2,499133E+22	2,499152E+22	2,534518E+22	2,527690E+22	2,420398E+22	2,241408E+22	2,098801E+22	2,098823E+22	2,241439E+22	2,420378E+22
-2926	2,527614E+22	2,534400E+22	2,499027E+22	2,499052E+22	2,534458E+22	2,527680E+22	2,420422E+22	2,241431E+22	2,098792E+22	2,098773E+22	2,241376E+22	2,420346E+22
-2925	2,527627E+22	2,534485E+22	2,499154E+22	2,499125E+22	2,534456E+22	2,527654E+22	2,420413E+22	2,241458E+22	2,098847E+22	2,098837E+22	2,241449E+22	2,420449E+22
-2924	2,527718E+22	2,534507E+22	2,499146E+22	2,499129E+22	2,534458E+22	2,527635E+22	2,420387E+22	2,241453E+22	2,098879E+22	2,098890E+22	2,241458E+22	2,420358E+22
-2923	2,527588E+22	2,534397E+22	2,499078E+22	2,499109E+22	2,534467E+22	2,527652E+22	2,420403E+22	2,241457E+22	2,098870E+22	2,098869E+22	2,241446E+22	2,420388E+22
-2922	2,527681E+22	2,534541E+22	2,499203E+22	2,499194E+22	2,534522E+22	2,527678E+22	2,420401E+22	2,241457E+22	2,098894E+22	2,098923E+22	2,241534E+22	2,420477E+22
-2921	2,527702E+22	2,534503E+22	2,499148E+22	2,499133E+22	2,534474E+22	2,527662E+22	2,420413E+22	2,241475E+22	2,098898E+22	2,098899E+22	2,241467E+22	2,420384E+22
-2920	2,527615E+22	2,534439E+22	2,499145E+22	2,499162E+22	2,534491E+22	2,527668E+22	2,420432E+22	2,241511E+22	2,098935E+22	2,098915E+22	2,241467E+22	2,420420E+22
-2919	2,527734E+22	2,534580E+22	2,499232E+22	2,499217E+22	2,534532E+22	2,527690E+22	2,420437E+22	2,241520E+22	2,098964E+22	2,098972E+22	2,241530E+22	2,420416E+22
-2918	2,527638E+22	2,534468E+22	2,499141E+22	2,499150E+22	2,534492E+22	2,527674E+22	2,420438E+22	2,241519E+22	2,098948E+22	2,098928E+22	2,241461E+22	2,420351E+22
-2917	2,527596E+22	2,534472E+22	2,499200E+22	2,499208E+22	2,534516E+22	2,527674E+22	2,420431E+22	2,241522E+22	2,098966E+22	2,098965E+22	2,241531E+22	2,420467E+22
-2916	2,527718E+22	2,534520E+22	2,499182E+22	2,499191E+22	2,534517E+22	2,527673E+22	2,420411E+22	2,241491E+22	2,098948E+22	2,098977E+22	2,241545E+22	2,420417E+22
-2915	2,527610E+22	2,534401E+22	2,499068E+22	2,499104E+22	2,534478E+22	2,527680E+22	2,420441E+22	2,241491E+22	2,098895E+22	2,098880E+22	2,241455E+22	2,420395E+22
-2914	2,527673E+22	2,534529E+22	2,499189E+22	2,499166E+22	2,534492E+22	2,527671E+22	2,420424E+22	2,241487E+22	2,098903E+22	2,098901E+22	2,241502E+22	2,420473E+22
-2913	2,527731E+22	2,534532E+22	2,499162E+22	2,499124E+22	2,534440E+22	2,527625E+22	2,420389E+22	2,241457E+22	2,098876E+22	2,098873E+22	2,241436E+22	2,420350E+22
-2912	2,527597E+22	2,534419E+22	2,499111E+22	2,499134E+22	2,534466E+22	2,527636E+22	2,420386E+22	2,241448E+22	2,098859E+22	2,098844E+22	2,241412E+22	2,420361E+22
-2911	2,527677E+22	2,534542E+22	2,499195E+22	2,499189E+22	2,534521E+22	2,527674E+22	2,420387E+22	2,241429E+22	2,098850E+22	2,098876E+22	2,241491E+22	2,420422E+22
-2910	2,527635E+22	2,534438E+22	2,499097E+22	2,499113E+22	2,534478E+22	2,527668E+22	2,420396E+22	2,241418E+22	2,098808E+22	2,098802E+22	2,241392E+22	2,420340E+22
-2909	2,527587E+22	2,534409E+22	2,499107E+22	2,499135E+22	2,534487E+22	2,527675E+22	2,420417E+22	2,241451E+22	2,098835E+22	2,098823E+22	2,241428E+22	2,420422E+22
-2908	2,527725E+22	2,534521E+22	2,499141E+22	2,499137E+22	2,534483E+22	2,527663E+22	2,420403E+22	2,241450E+22	2,098861E+22	2,098873E+22	2,241471E+22	2,420390E+22
-2907	2,527619E+22	2,534418E+22	2,499056E+22	2,499065E+22	2,534439E+22	2,527658E+22	2,420428E+22	2,241469E+22	2,098852E+22	2,098824E+22	2,241395E+22	2,420335E+22
-2906	2,527616E+22	2,534493E+22	2,499181E+22	2,499163E+22	2,534477E+22	2,527650E+22	2,420409E+22	2,241484E+22	2,098907E+22	2,098905E+22	2,241492E+22	2,420449E+22
-2905	2,527713E+22	2,534528E+22	2,499177E+22	2,499155E+22	2,534466E+22	2,527628E+22	2,420373E+22	2,241452E+22	2,098904E+22	2,098931E+22	2,241502E+22	2,420388E+22
-2904	2,527597E+22	2,534401E+22	2,499097E+22	2,499140E+22	2,534489E+22	2,527660E+22	2,420404E+22	2,241474E+22	2,098908E+22	2,098906E+22	2,241466E+22	2,420392E+22
-2903	2,527680E+22	2,534540E+22	2,499204E+22	2,499202E+22	2,534533E+22	2,527692E+22	2,420429E+22	2,241502E+22	2,098945E+22	2,098963E+22	2,241555E+22	2,420484E+22
-2902	2,527705E+22	2,534507E+22	2,499163E+22	2,499158E+22	2,534489E+22	2,527668E+22	2,420429E+22	2,241512E+22	2,098947E+22	2,098933E+22	2,241468E+22	2,420367E+22
-2901	2,527610E+22	2,534456E+22	2,499171E+22	2,499187E+22	2,534498E+22	2,527670E+22	2,420450E+22	2,241555E+22	2,098993E+22	2,098967E+22	2,241500E+22	2,420414E+22
-2900	2,527702E+22	2,534566E+22	2,499240E+22	2,499230E+22	2,534526E+22	2,527665E+22	2,420424E+22	2,241543E+22	2,099021E+22	2,099040E+22	2,241588E+22	2,420443E+22
-2899	2,527627E+22	2,534448E+22	2,499136E+22	2,499154E+22	2,534496E+22	2,527680E+22	2,420447E+22	2,241534E+22	2,098980E+22	2,098968E+22	2,241496E+22	2,420375E+22
-2898	2,527602E+22	2,534463E+22	2,499185E+22	2,499203E+22	2,534521E+22	2,527685E+22	2,420446E+22	2,241542E+22	2,098994E+22	2,098997E+22	2,241556E+22	2,420483E+22
-2897	2,527745E+22	2,534556E+22	2,499192E+22	2,499176E+22	2,534491E+22	2,527654E+22	2,420407E+22	2,241500E+22	2,098960E+22	2,098985E+22	2,241552E+22	2,420435E+22
-2896	2,527639E+22	2,534442E+22	2,499103E+22	2,499119E+22	2,534468E+22	2,527657E+22	2,420425E+22	2,241509E+22	2,098935E+22	2,098905E+22	2,241445E+22	2,420369E+22
-2895	2,527658E+22	2,534542E+22	2,499219E+22	2,499192E+22	2,534497E+22	2,527659E+22	2,420420E+22	2,241511E+22	2,098948E+22	2,098942E+22	2,241517E+22	2,420461E+22
-2894	2,527706E+22	2,534520E+22	2,499186E+22	2,499181E+22	2,534484E+22	2,527634E+22	2,420382E+22	2,241462E+22	2,098901E+22	2,098902E+22	2,241450E+22	2,420345E+22
-2893	2,527582E+22	2,534413E+22	2,499120E+22	2,499162E+22	2,534501E+22	2,527668E+22	2,420411E+22	2,241471E+22	2,098883E+22	2,098873E+22	2,241447E+22	2,420375E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ◉	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2892	2,527653E+22	2,534516E+22	2,499180E+22	2,499184E+22	2,534519E+22	2,527679E+22	2,420408E+22	2,241463E+22	2,098890E+22	2,098914E+22	2,241527E+22	2,420452E+22
-2891	2,527649E+22	2,534438E+22	2,499085E+22	2,499095E+22	2,534468E+22	2,527681E+22	2,420433E+22	2,241465E+22	2,098857E+22	2,098834E+22	2,241401E+22	2,420341E+22
-2890	2,527595E+22	2,534426E+22	2,499110E+22	2,499123E+22	2,534470E+22	2,527666E+22	2,420433E+22	2,241498E+22	2,098902E+22	2,098880E+22	2,241447E+22	2,420409E+22
-2889	2,527721E+22	2,534554E+22	2,499175E+22	2,499146E+22	2,534456E+22	2,527621E+22	2,420379E+22	2,241465E+22	2,098910E+22	2,098930E+22	2,241511E+22	2,420407E+22
-2888	2,527619E+22	2,534431E+22	2,499090E+22	2,499105E+22	2,534451E+22	2,527628E+22	2,420387E+22	2,241471E+22	2,098905E+22	2,098886E+22	2,241433E+22	2,420340E+22
-2887	2,527597E+22	2,534479E+22	2,499184E+22	2,499184E+22	2,534499E+22	2,527654E+22	2,420403E+22	2,241492E+22	2,098942E+22	2,098955E+22	2,241540E+22	2,420483E+22
-2886	2,527717E+22	2,534516E+22	2,499184E+22	2,499190E+22	2,534499E+22	2,527645E+22	2,420383E+22	2,241463E+22	2,098920E+22	2,098947E+22	2,241512E+22	2,420404E+22
-2885	2,527622E+22	2,534428E+22	2,499113E+22	2,499152E+22	2,534500E+22	2,527681E+22	2,420440E+22	2,241517E+22	2,098942E+22	2,098926E+22	2,241478E+22	2,420390E+22
-2884	2,527671E+22	2,534555E+22	2,499226E+22	2,499206E+22	2,534517E+22	2,527679E+22	2,420444E+22	2,241551E+22	2,099010E+22	2,099013E+22	2,241575E+22	2,420482E+22
-2883	2,527696E+22	2,534516E+22	2,499188E+22	2,499176E+22	2,534493E+22	2,527672E+22	2,420449E+22	2,241553E+22	2,099010E+22	2,098989E+22	2,241487E+22	2,420351E+22
-2882	2,527587E+22	2,534449E+22	2,499179E+22	2,499209E+22	2,534521E+22	2,527681E+22	2,420461E+22	2,241588E+22	2,099054E+22	2,099036E+22	2,241542E+22	2,420418E+22
-2881	2,527691E+22	2,534570E+22	2,499247E+22	2,499235E+22	2,534524E+22	2,527659E+22	2,420418E+22	2,241550E+22	2,099048E+22	2,099081E+22	2,241634E+22	2,420486E+22
-2880	2,527646E+22	2,534451E+22	2,499140E+22	2,499162E+22	2,534496E+22	2,527669E+22	2,420439E+22	2,241552E+22	2,099019E+22	2,099001E+22	2,241512E+22	2,420387E+22
-2879	2,527614E+22	2,534471E+22	2,499185E+22	2,499196E+22	2,534513E+22	2,527680E+22	2,420456E+22	2,241573E+22	2,099034E+22	2,099028E+22	2,241572E+22	2,420494E+22
-2878	2,527754E+22	2,534573E+22	2,499222E+22	2,499202E+22	2,534492E+22	2,527641E+22	2,420405E+22	2,241517E+22	2,098991E+22	2,099006E+22	2,241546E+22	2,420417E+22
-2877	2,527635E+22	2,534469E+22	2,499145E+22	2,499155E+22	2,534481E+22	2,527655E+22	2,420430E+22	2,241531E+22	2,098968E+22	2,098941E+22	2,241468E+22	2,420358E+22
-2876	2,527621E+22	2,534527E+22	2,499232E+22	2,499217E+22	2,534510E+22	2,527652E+22	2,420409E+22	2,241522E+22	2,098987E+22	2,098992E+22	2,241557E+22	2,420479E+22
-2875	2,527692E+22	2,534495E+22	2,499174E+22	2,499184E+22	2,534506E+22	2,527663E+22	2,420401E+22	2,241474E+22	2,098925E+22	2,098929E+22	2,241468E+22	2,420355E+22
-2874	2,527580E+22	2,534401E+22	2,499100E+22	2,499153E+22	2,534511E+22	2,527690E+22	2,420441E+22	2,241505E+22	2,098921E+22	2,098907E+22	2,241464E+22	2,420384E+22
-2873	2,527668E+22	2,534538E+22	2,499181E+22	2,499162E+22	2,534488E+22	2,527658E+22	2,420410E+22	2,241487E+22	2,098923E+22	2,098940E+22	2,241540E+22	2,420467E+22
-2872	2,527664E+22	2,534463E+22	2,499112E+22	2,499103E+22	2,534447E+22	2,527645E+22	2,420414E+22	2,241495E+22	2,098919E+22	2,098883E+22	2,241411E+22	2,420326E+22
-2871	2,527578E+22	2,534432E+22	2,499135E+22	2,499146E+22	2,534470E+22	2,527646E+22	2,420421E+22	2,241520E+22	2,098958E+22	2,098943E+22	2,241488E+22	2,420419E+22
-2870	2,527706E+22	2,534547E+22	2,499203E+22	2,499194E+22	2,534487E+22	2,527620E+22	2,420363E+22	2,241463E+22	2,098936E+22	2,098971E+22	2,241541E+22	2,420422E+22
-2869	2,527623E+22	2,534441E+22	2,499113E+22	2,499138E+22	2,534485E+22	2,527656E+22	2,420405E+22	2,241485E+22	2,098924E+22	2,098919E+22	2,241473E+22	2,420364E+22
-2868	2,527594E+22	2,534472E+22	2,499185E+22	2,499192E+22	2,534507E+22	2,527663E+22	2,420421E+22	2,241524E+22	2,098982E+22	2,098988E+22	2,241563E+22	2,420508E+22
-2867	2,527738E+22	2,534529E+22	2,499187E+22	2,499186E+22	2,534507E+22	2,527672E+22	2,420423E+22	2,241512E+22	2,098972E+22	2,098977E+22	2,241510E+22	2,420390E+22
-2866	2,527621E+22	2,534450E+22	2,499136E+22	2,499161E+22	2,534500E+22	2,527687E+22	2,420471E+22	2,241578E+22	2,099020E+22	2,098990E+22	2,241493E+22	2,420367E+22
-2865	2,527650E+22	2,534568E+22	2,499256E+22	2,499224E+22	2,534504E+22	2,527651E+22	2,420436E+22	2,241581E+22	2,099071E+22	2,099079E+22	2,241617E+22	2,420492E+22
-2864	2,527682E+22	2,534510E+22	2,499206E+22	2,499205E+22	2,534504E+22	2,527652E+22	2,420425E+22	2,241572E+22	2,099074E+22	2,099059E+22	2,241533E+22	2,420363E+22
-2863	2,527570E+22	2,534428E+22	2,499168E+22	2,499209E+22	2,534528E+22	2,527685E+22	2,420462E+22	2,241601E+22	2,099092E+22	2,099089E+22	2,241593E+22	2,420457E+22
-2862	2,527703E+22	2,534562E+22	2,499249E+22	2,499247E+22	2,534530E+22	2,527660E+22	2,420420E+22	2,241557E+22	2,099063E+22	2,099096E+22	2,241644E+22	2,420507E+22
-2861	2,527683E+22	2,534490E+22	2,499166E+22	2,499169E+22	2,534493E+22	2,527668E+22	2,420452E+22	2,241576E+22	2,099040E+22	2,099018E+22	2,241523E+22	2,420386E+22
-2860	2,527610E+22	2,534489E+22	2,499215E+22	2,499209E+22	2,534498E+22	2,527656E+22	2,420449E+22	2,241597E+22	2,099077E+22	2,099063E+22	2,241582E+22	2,420490E+22
-2859	2,527750E+22	2,534582E+22	2,499250E+22	2,499230E+22	2,534514E+22	2,527655E+22	2,420412E+22	2,241534E+22	2,099026E+22	2,099041E+22	2,241554E+22	2,420396E+22
-2858	2,527611E+22	2,534462E+22	2,499158E+22	2,499180E+22	2,534513E+22	2,527679E+22	2,420445E+22	2,241551E+22	2,099006E+22	2,098986E+22	2,241492E+22	2,420352E+22
-2857	2,527598E+22	2,534512E+22	2,499230E+22	2,499219E+22	2,534516E+22	2,527660E+22	2,420417E+22	2,241532E+22	2,099007E+22	2,099020E+22	2,241584E+22	2,420505E+22



1 Longitude $\odot$	2	3	4	5	6	7	8	9	10	11	12	13
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
-2856	2,527700E+22	2,534488E+22	2,499169E+22	2,499184E+22	2,534506E+22	2,527659E+22	2,420406E+22	2,241505E+22	2,098970E+22	2,098962E+22	2,241479E+22	2,420357E+22
-2855	2,527583E+22	2,534400E+22	2,499086E+22	2,499128E+22	2,534493E+22	2,527685E+22	2,420456E+22	2,241544E+22	2,098973E+22	2,098951E+22	2,241486E+22	2,420393E+22
-2854	2,527670E+22	2,534544E+22	2,499205E+22	2,499175E+22	2,534474E+22	2,527634E+22	2,420403E+22	2,241508E+22	2,098966E+22	2,098979E+22	2,241553E+22	2,420465E+22
-2853	2,527669E+22	2,534485E+22	2,499150E+22	2,499132E+22	2,534450E+22	2,527626E+22	2,420404E+22	2,241509E+22	2,098955E+22	2,098937E+22	2,241457E+22	2,420334E+22
-2852	2,527556E+22	2,534421E+22	2,499152E+22	2,499169E+22	2,534478E+22	2,527633E+22	2,420401E+22	2,241522E+22	2,098993E+22	2,098995E+22	2,241537E+22	2,420453E+22
-2851	2,527715E+22	2,534543E+22	2,499205E+22	2,499202E+22	2,534512E+22	2,527652E+22	2,420380E+22	2,241472E+22	2,098957E+22	2,098997E+22	2,241558E+22	2,420433E+22
-2850	2,527636E+22	2,534454E+22	2,499122E+22	2,499145E+22	2,534501E+22	2,527683E+22	2,420440E+22	2,241525E+22	2,098965E+22	2,098951E+22	2,241479E+22	2,420361E+22
-2849	2,527607E+22	2,534502E+22	2,499208E+22	2,499193E+22	2,534493E+22	2,527656E+22	2,420436E+22	2,241563E+22	2,099031E+22	2,099023E+22	2,241569E+22	2,420503E+22
-2848	2,527742E+22	2,534553E+22	2,499227E+22	2,499214E+22	2,534505E+22	2,527649E+22	2,420421E+22	2,241561E+22	2,099054E+22	2,099040E+22	2,241522E+22	2,420365E+22
-2847	2,527591E+22	2,534444E+22	2,499156E+22	2,499186E+22	2,534513E+22	2,527684E+22	2,420476E+22	2,241618E+22	2,099094E+22	2,099070E+22	2,241546E+22	2,420378E+22
-2846	2,527624E+22	2,534542E+22	2,499274E+22	2,499261E+22	2,534527E+22	2,527655E+22	2,420432E+22	2,241593E+22	2,099111E+22	2,099133E+22	2,241659E+22	2,420514E+22
-2845	2,527686E+22	2,534510E+22	2,499218E+22	2,499223E+22	2,534521E+22	2,527668E+22	2,420442E+22	2,241589E+22	2,099098E+22	2,099105E+22	2,241587E+22	2,420397E+22
-2844	2,527577E+22	2,534423E+22	2,499165E+22	2,499205E+22	2,534521E+22	2,527680E+22	2,420469E+22	2,241625E+22	2,099127E+22	2,099125E+22	2,241623E+22	2,420489E+22
-2843	2,527737E+22	2,534584E+22	2,499253E+22	2,499231E+22	2,534525E+22	2,527672E+22	2,420438E+22	2,241583E+22	2,099097E+22	2,099118E+22	2,241639E+22	2,420491E+22
-2842	2,527689E+22	2,534521E+22	2,499202E+22	2,499187E+22	2,534492E+22	2,527666E+22	2,420463E+22	2,241610E+22	2,099090E+22	2,099060E+22	2,241528E+22	2,420363E+22
-2841	2,527596E+22	2,534500E+22	2,499246E+22	2,499235E+22	2,534497E+22	2,527632E+22	2,420430E+22	2,241603E+22	2,099108E+22	2,099102E+22	2,241604E+22	2,420489E+22
-2840	2,527733E+22	2,534568E+22	2,499261E+22	2,499258E+22	2,534534E+22	2,527647E+22	2,420397E+22	2,241545E+22	2,099064E+22	2,099079E+22	2,241576E+22	2,420395E+22
-2839	2,527590E+22	2,534433E+22	2,499141E+22	2,499176E+22	2,534524E+22	2,527699E+22	2,420464E+22	2,241571E+22	2,099033E+22	2,099021E+22	2,241527E+22	2,420377E+22
-2838	2,527599E+22	2,534490E+22	2,499222E+22	2,499216E+22	2,534510E+22	2,527664E+22	2,420432E+22	2,241552E+22	2,099024E+22	2,099032E+22	2,241587E+22	2,420510E+22
-2837	2,527723E+22	2,534515E+22	2,499187E+22	2,499179E+22	2,534490E+22	2,527654E+22	2,420421E+22	2,241534E+22	2,099000E+22	2,098994E+22	2,241500E+22	2,420354E+22
-2836	2,527577E+22	2,534410E+22	2,499109E+22	2,499134E+22	2,534469E+22	2,527652E+22	2,420442E+22	2,241566E+22	2,099024E+22	2,099002E+22	2,241513E+22	2,420399E+22
-2835	2,527675E+22	2,534552E+22	2,499223E+22	2,499192E+22	2,534488E+22	2,527639E+22	2,420397E+22	2,241518E+22	2,099004E+22	2,099024E+22	2,241575E+22	2,420460E+22
-2834	2,527662E+22	2,534492E+22	2,499176E+22	2,499164E+22	2,534479E+22	2,527644E+22	2,420413E+22	2,241525E+22	2,098992E+22	2,098983E+22	2,241489E+22	2,420345E+22
-2833	2,527556E+22	2,534421E+22	2,499166E+22	2,499186E+22	2,534487E+22	2,527638E+22	2,420409E+22	2,241536E+22	2,099016E+22	2,099023E+22	2,241561E+22	2,420476E+22
-2832	2,527734E+22	2,534552E+22	2,499220E+22	2,499220E+22	2,534523E+22	2,527654E+22	2,420397E+22	2,241516E+22	2,099011E+22	2,099031E+22	2,241564E+22	2,420424E+22
-2831	2,527635E+22	2,534463E+22	2,499134E+22	2,499144E+22	2,534499E+22	2,527693E+22	2,420471E+22	2,241581E+22	2,099035E+22	2,099010E+22	2,241503E+22	2,420355E+22
-2830	2,527588E+22	2,534497E+22	2,499243E+22	2,499223E+22	2,534493E+22	2,527646E+22	2,420445E+22	2,241603E+22	2,099095E+22	2,099084E+22	2,241594E+22	2,420491E+22
-2829	2,527729E+22	2,534559E+22	2,499260E+22	2,499250E+22	2,534520E+22	2,527644E+22	2,420420E+22	2,241586E+22	2,099108E+22	2,099117E+22	2,241589E+22	2,420379E+22
-2828	2,527565E+22	2,534414E+22	2,499152E+22	2,499195E+22	2,534516E+22	2,527673E+22	2,420464E+22	2,241630E+22	2,099142E+22	2,099136E+22	2,241609E+22	2,420426E+22
-2827	2,527645E+22	2,534533E+22	2,499257E+22	2,499250E+22	2,534537E+22	2,527678E+22	2,420447E+22	2,241606E+22	2,099136E+22	2,099165E+22	2,241687E+22	2,420538E+22
-2826	2,527718E+22	2,534532E+22	2,499228E+22	2,499219E+22	2,534515E+22	2,527672E+22	2,420462E+22	2,241620E+22	2,099131E+22	2,099128E+22	2,241594E+22	2,420402E+22
-2825	2,527603E+22	2,534458E+22	2,499193E+22	2,499206E+22	2,534497E+22	2,527654E+22	2,420464E+22	2,241644E+22	2,099156E+22	2,099145E+22	2,241624E+22	2,420484E+22
-2824	2,527747E+22	2,534615E+22	2,499301E+22	2,499268E+22	2,534525E+22	2,527644E+22	2,420425E+22	2,241611E+22	2,099148E+22	2,099156E+22	2,241640E+22	2,420460E+22
-2823	2,527659E+22	2,534515E+22	2,499225E+22	2,499218E+22	2,534516E+22	2,527675E+22	2,420467E+22	2,241630E+22	2,099133E+22	2,099111E+22	2,241560E+22	2,420360E+22
-2822	2,527563E+22	2,534471E+22	2,499260E+22	2,499269E+22	2,534525E+22	2,527650E+22	2,420438E+22	2,241612E+22	2,099129E+22	2,099129E+22	2,241624E+22	2,420492E+22
-2821	2,527729E+22	2,534559E+22	2,499264E+22	2,499271E+22	2,534551E+22	2,527668E+22	2,420422E+22	2,241565E+22	2,099081E+22	2,099109E+22	2,241610E+22	2,420410E+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	2,527586E+22	2,534415E+22	2,499122E+22	2,499158E+22	2,534506E+22	2,527693E+22	2,420479E+22	2,241606E+22	2,099075E+22	2,099055E+22	2,241550E+22	2,420398E+22
-2819	2,527624E+22	2,534503E+22	2,499213E+22	2,499190E+22	2,534492E+22	2,527668E+22	2,420449E+22	2,241585E+22	2,099069E+22	2,099066E+22	2,241593E+22	2,420493E+22
-2818	2,527724E+22	2,534539E+22	2,499219E+22	2,499191E+22	2,534475E+22	2,527634E+22	2,420424E+22	2,241567E+22	2,099056E+22	2,099048E+22	2,241523E+22	2,420347E+22
-2817	2,527571E+22	2,534417E+22	2,499137E+22	2,499160E+22	2,534466E+22	2,527621E+22	2,420411E+22	2,241564E+22	2,099055E+22	2,099050E+22	2,241553E+22	2,420417E+22
-2816	2,527677E+22	2,534552E+22	2,499243E+22	2,499225E+22	2,534506E+22	2,527627E+22	2,420378E+22	2,241525E+22	2,099037E+22	2,099063E+22	2,241604E+22	2,420469E+22
-2815	2,527659E+22	2,534483E+22	2,499178E+22	2,499177E+22	2,534499E+22	2,527668E+22	2,420433E+22	2,241546E+22	2,099020E+22	2,099017E+22	2,241520E+22	2,420366E+22
-2814	2,527564E+22	2,534421E+22	2,499184E+22	2,499204E+22	2,534494E+22	2,527648E+22	2,420432E+22	2,241569E+22	2,099046E+22	2,099041E+22	2,241561E+22	2,420465E+22
-2813	2,527744E+22	2,534580E+22	2,499255E+22	2,499241E+22	2,534525E+22	2,527660E+22	2,420423E+22	2,241560E+22	2,099061E+22	2,099079E+22	2,241588E+22	2,420411E+22
-2812	2,527613E+22	2,534461E+22	2,499158E+22	2,499167E+22	2,534494E+22	2,527678E+22	2,420477E+22	2,241624E+22	2,099109E+22	2,099082E+22	2,241546E+22	2,420364E+22
-2811	2,527583E+22	2,534487E+22	2,499241E+22	2,499232E+22	2,534512E+22	2,527663E+22	2,420453E+22	2,241627E+22	2,099148E+22	2,099147E+22	2,241634E+22	2,420491E+22
-2810	2,527716E+22	2,534554E+22	2,499271E+22	2,499267E+22	2,534536E+22	2,527660E+22	2,420437E+22	2,241614E+22	2,099155E+22	2,099174E+22	2,241635E+22	2,420409E+22
-2809	2,527581E+22	2,534415E+22	2,499155E+22	2,499198E+22	2,534507E+22	2,527661E+22	2,420462E+22	2,241644E+22	2,099169E+22	2,099169E+22	2,241642E+22	2,420461E+22
-2808	2,527681E+22	2,534555E+22	2,499268E+22	2,499254E+22	2,534525E+22	2,527656E+22	2,420448E+22	2,241643E+22	2,099183E+22	2,099193E+22	2,241691E+22	2,420532E+22
-2807	2,527728E+22	2,534558E+22	2,499253E+22	2,499228E+22	2,534508E+22	2,527668E+22	2,420475E+22	2,241658E+22	2,099183E+22	2,099171E+22	2,241611E+22	2,420393E+22
-2806	2,527587E+22	2,534468E+22	2,499242E+22	2,499247E+22	2,534498E+22	2,527638E+22	2,420459E+22	2,241665E+22	2,099195E+22	2,099180E+22	2,241633E+22	2,420461E+22
-2805	2,527725E+22	2,534620E+22	2,499335E+22	2,499313E+22	2,534553E+22	2,527650E+22	2,420425E+22	2,241620E+22	2,099177E+22	2,099205E+22	2,241683E+22	2,420460E+22
-2804	2,527625E+22	2,534481E+22	2,499216E+22	2,499231E+22	2,534530E+22	2,527682E+22	2,420471E+22	2,241643E+22	2,099166E+22	2,099153E+22	2,241601E+22	2,420390E+22
-2803	2,527573E+22	2,534448E+22	2,499224E+22	2,499250E+22	2,534537E+22	2,527682E+22	2,420464E+22	2,241633E+22	2,099151E+22	2,099149E+22	2,241636E+22	2,420495E+22
-2802	2,527740E+22	2,534569E+22	2,499262E+22	2,499261E+22	2,534540E+22	2,527672E+22	2,420447E+22	2,241606E+22	2,099122E+22	2,099134E+22	2,241618E+22	2,420415E+22
-2801	2,527603E+22	2,534436E+22	2,499138E+22	2,499152E+22	2,534472E+22	2,527654E+22	2,420466E+22	2,241628E+22	2,099114E+22	2,099087E+22	2,241564E+22	2,420401E+22
-2800	2,527635E+22	2,534527E+22	2,499248E+22	2,499217E+22	2,534480E+22	2,527624E+22	2,420427E+22	2,241610E+22	2,099120E+22	2,099112E+22	2,241613E+22	2,420480E+22
-2799	2,527705E+22	2,534540E+22	2,499240E+22	2,499222E+22	2,534495E+22	2,527637E+22	2,420419E+22	2,241577E+22	2,099093E+22	2,099100E+22	2,241569E+22	2,420361E+22
-2798	2,527551E+22	2,534405E+22	2,499163E+22	2,499198E+22	2,534492E+22	2,527635E+22	2,420415E+22	2,241567E+22	2,099068E+22	2,099073E+22	2,241576E+22	2,420430E+22
-2797	2,527686E+22	2,534560E+22	2,499260E+22	2,499253E+22	2,534534E+22	2,527654E+22	2,420404E+22	2,241543E+22	2,099055E+22	2,099091E+22	2,241633E+22	2,420480E+22
-2796	2,527659E+22	2,534477E+22	2,499170E+22	2,499175E+22	2,534497E+22	2,527674E+22	2,420457E+22	2,241591E+22	2,099072E+22	2,099055E+22	2,241538E+22	2,420376E+22
-2795	2,527580E+22	2,534433E+22	2,499180E+22	2,499195E+22	2,534494E+22	2,527663E+22	2,420460E+22	2,241618E+22	2,099110E+22	2,099089E+22	2,241570E+22	2,420440E+22
-2794	2,527725E+22	2,534593E+22	2,499286E+22	2,499265E+22	2,534522E+22	2,527647E+22	2,420435E+22	2,241610E+22	2,099135E+22	2,099146E+22	2,241623E+22	2,420410E+22
-2793	2,527597E+22	2,534449E+22	2,499168E+22	2,499184E+22	2,534488E+22	2,527648E+22	2,420455E+22	2,241639E+22	2,099160E+22	2,099148E+22	2,241602E+22	2,420394E+22
-2792	2,527590E+22	2,534485E+22	2,499245E+22	2,499246E+22	2,534512E+22	2,527644E+22	2,420444E+22	2,241648E+22	2,099193E+22	2,099198E+22	2,241677E+22	2,420514E+22
-2791	2,527724E+22	2,534556E+22	2,499268E+22	2,499265E+22	2,534536E+22	2,527666E+22	2,420452E+22	2,241639E+22	2,099191E+22	2,099213E+22	2,241671E+22	2,420436E+22
-2790	2,527598E+22	2,534440E+22	2,499186E+22	2,499212E+22	2,534500E+22	2,527653E+22	2,420467E+22	2,241666E+22	2,099197E+22	2,099184E+22	2,241640E+22	2,420456E+22
-2789	2,527699E+22	2,534600E+22	2,499321E+22	2,499290E+22	2,534530E+22	2,527647E+22	2,420450E+22	2,241664E+22	2,099221E+22	2,099233E+22	2,241706E+22	2,420514E+22
-2788	2,527704E+22	2,534560E+22	2,499285E+22	2,499267E+22	2,534521E+22	2,527657E+22	2,420472E+22	2,241685E+22	2,099237E+22	2,099224E+22	2,241638E+22	2,420393E+22
-2787	2,527574E+22	2,534456E+22	2,499241E+22	2,499272E+22	2,534540E+22	2,527670E+22	2,420472E+22	2,241684E+22	2,099234E+22	2,099223E+22	2,241657E+22	2,420448E+22
-2786	2,527694E+22	2,534605E+22	2,499342E+22	2,499334E+22	2,534579E+22	2,527679E+22	2,420456E+22	2,241654E+22	2,099216E+22	2,099240E+22	2,241710E+22	2,420479E+22
-2785	2,527627E+22	2,534464E+22	2,499199E+22	2,499223E+22	2,534524E+22	2,527680E+22	2,420482E+22	2,241669E+22	2,099197E+22	2,099183E+22	2,241627E+22	2,420417E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ☉	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2784	2,527599E+22	2,534461E+22	2,499214E+22	2,499232E+22	2,534512E+22	2,527660E+22	2,420473E+22	2,241676E+22	2,099200E+22	2,099181E+22	2,241644E+22	2,420488E+22
-2783	2,527739E+22	2,534586E+22	2,499273E+22	2,499255E+22	2,534520E+22	2,527657E+22	2,420454E+22	2,241640E+22	2,099176E+22	2,099184E+22	2,241647E+22	2,420418E+22
-2782	2,527590E+22	2,534449E+22	2,499179E+22	2,499183E+22	2,534465E+22	2,527622E+22	2,420443E+22	2,241634E+22	2,099146E+22	2,099125E+22	2,241587E+22	2,420401E+22
-2781	2,527627E+22	2,534536E+22	2,499278E+22	2,499259E+22	2,534505E+22	2,527619E+22	2,420406E+22	2,241597E+22	2,099137E+22	2,099156E+22	2,241658E+22	2,420496E+22
-2780	2,527690E+22	2,534522E+22	2,499238E+22	2,499239E+22	2,534513E+22	2,527645E+22	2,420420E+22	2,241583E+22	2,099114E+22	2,099130E+22	2,241603E+22	2,420397E+22
-2779	2,527575E+22	2,534404E+22	2,499141E+22	2,499191E+22	2,534511E+22	2,527668E+22	2,420443E+22	2,241590E+22	2,099088E+22	2,099084E+22	2,241574E+22	2,420419E+22
-2778	2,527686E+22	2,534581E+22	2,499277E+22	2,499258E+22	2,534534E+22	2,527666E+22	2,420441E+22	2,241596E+22	2,099106E+22	2,099114E+22	2,241628E+22	2,420470E+22
-2777	2,527662E+22	2,534494E+22	2,499194E+22	2,499185E+22	2,534480E+22	2,527648E+22	2,420457E+22	2,241629E+22	2,099134E+22	2,099106E+22	2,241556E+22	2,420370E+22
-2776	2,527575E+22	2,534444E+22	2,499201E+22	2,499218E+22	2,534488E+22	2,527633E+22	2,420455E+22	2,241662E+22	2,099182E+22	2,099156E+22	2,241603E+22	2,420430E+22
-2775	2,527694E+22	2,534581E+22	2,499294E+22	2,499287E+22	2,534541E+22	2,527654E+22	2,420440E+22	2,241637E+22	2,099193E+22	2,099218E+22	2,241685E+22	2,420438E+22
-2774	2,527583E+22	2,534441E+22	2,499189E+22	2,499208E+22	2,534496E+22	2,527646E+22	2,420454E+22	2,241652E+22	2,099191E+22	2,099187E+22	2,241639E+22	2,420423E+22
-2773	2,527611E+22	2,534502E+22	2,499264E+22	2,499267E+22	2,534523E+22	2,527648E+22	2,420451E+22	2,241663E+22	2,099222E+22	2,099239E+22	2,241712E+22	2,420533E+22
-2772	2,527735E+22	2,534571E+22	2,499278E+22	2,499268E+22	2,534529E+22	2,527660E+22	2,420463E+22	2,241675E+22	2,099242E+22	2,099254E+22	2,241690E+22	2,420447E+22
-2771	2,527617E+22	2,534466E+22	2,499202E+22	2,499223E+22	2,534511E+22	2,527662E+22	2,420482E+22	2,241701E+22	2,099249E+22	2,099226E+22	2,241644E+22	2,420426E+22
-2770	2,527673E+22	2,534614E+22	2,499365E+22	2,499336E+22	2,534552E+22	2,527650E+22	2,420460E+22	2,241701E+22	2,099279E+22	2,099282E+22	2,241729E+22	2,420513E+22
-2769	2,527684E+22	2,534540E+22	2,499290E+22	2,499293E+22	2,534539E+22	2,527652E+22	2,420459E+22	2,241695E+22	2,099276E+22	2,099275E+22	2,241680E+22	2,420416E+22
-2768	2,527575E+22	2,534444E+22	2,499228E+22	2,499274E+22	2,534544E+22	2,527670E+22	2,420484E+22	2,241713E+22	2,099270E+22	2,099260E+22	2,241685E+22	2,420462E+22
-2767	2,527689E+22	2,534594E+22	2,499323E+22	2,499319E+22	2,534575E+22	2,527692E+22	2,420483E+22	2,241688E+22	2,099252E+22	2,099272E+22	2,241737E+22	2,420497E+22
-2766	2,527632E+22	2,534481E+22	2,499217E+22	2,499217E+22	2,534498E+22	2,527659E+22	2,420485E+22	2,241693E+22	2,099229E+22	2,099202E+22	2,241629E+22	2,420417E+22
-2765	2,527614E+22	2,534500E+22	2,499255E+22	2,499252E+22	2,534503E+22	2,527636E+22	2,420460E+22	2,241684E+22	2,099236E+22	2,099227E+22	2,241668E+22	2,420483E+22
-2764	2,527723E+22	2,534587E+22	2,499290E+22	2,499274E+22	2,534521E+22	2,527636E+22	2,420435E+22	2,241649E+22	2,099215E+22	2,099231E+22	2,241678E+22	2,420431E+22
-2763	2,527591E+22	2,534448E+22	2,499177E+22	2,499203E+22	2,534502E+22	2,527645E+22	2,420442E+22	2,241634E+22	2,099166E+22	2,099153E+22	2,241604E+22	2,420398E+22
-2762	2,527613E+22	2,534538E+22	2,499297E+22	2,499287E+22	2,534532E+22	2,527643E+22	2,420428E+22	2,241620E+22	2,099160E+22	2,099170E+22	2,241667E+22	2,420515E+22
-2761	2,527699E+22	2,534514E+22	2,499232E+22	2,499242E+22	2,534515E+22	2,527645E+22	2,420431E+22	2,241610E+22	2,099145E+22	2,099151E+22	2,241611E+22	2,420408E+22
-2760	2,527595E+22	2,534426E+22	2,499146E+22	2,499186E+22	2,534495E+22	2,527657E+22	2,420467E+22	2,241648E+22	2,099149E+22	2,099123E+22	2,241578E+22	2,420396E+22
-2759	2,527660E+22	2,534588E+22	2,499296E+22	2,499266E+22	2,534525E+22	2,527660E+22	2,420460E+22	2,241648E+22	2,099181E+22	2,099182E+22	2,241660E+22	2,420460E+22
-2758	2,527628E+22	2,534494E+22	2,499229E+22	2,499215E+22	2,534480E+22	2,527624E+22	2,420442E+22	2,241651E+22	2,099191E+22	2,099171E+22	2,241599E+22	2,420379E+22
-2757	2,527564E+22	2,534444E+22	2,499220E+22	2,499248E+22	2,534509E+22	2,527628E+22	2,420435E+22	2,241658E+22	2,099222E+22	2,099226E+22	2,241667E+22	2,420461E+22
-2756	2,527687E+22	2,534561E+22	2,499282E+22	2,499289E+22	2,534547E+22	2,527656E+22	2,420441E+22	2,241651E+22	2,099229E+22	2,099266E+22	2,241732E+22	2,420489E+22
-2755	2,527621E+22	2,534454E+22	2,499178E+22	2,499205E+22	2,534510E+22	2,527662E+22	2,420470E+22	2,241675E+22	2,099220E+22	2,099210E+22	2,241647E+22	2,420426E+22
-2754	2,527626E+22	2,534542E+22	2,499304E+22	2,499289E+22	2,534526E+22	2,527650E+22	2,420472E+22	2,241706E+22	2,099270E+22	2,099263E+22	2,241711E+22	2,420533E+22
-2753	2,527742E+22	2,534592E+22	2,499316E+22	2,499298E+22	2,534529E+22	2,527641E+22	2,420458E+22	2,241704E+22	2,099296E+22	2,099302E+22	2,241707E+22	2,420442E+22
-2752	2,527613E+22	2,534482E+22	2,499233E+22	2,499258E+22	2,534523E+22	2,527655E+22	2,420489E+22	2,241740E+22	2,099307E+22	2,099282E+22	2,241669E+22	2,420408E+22
-2751	2,527631E+22	2,534594E+22	2,499373E+22	2,499361E+22	2,534585E+22	2,527680E+22	2,420485E+22	2,241733E+22	2,099329E+22	2,099340E+22	2,241772E+22	2,420526E+22
-2750	2,527663E+22	2,534526E+22	2,499298E+22	2,499305E+22	2,534550E+22	2,527663E+22	2,420474E+22	2,241717E+22	2,099307E+22	2,099307E+22	2,241706E+22	2,420439E+22
-2749	2,527590E+22	2,534449E+22	2,499223E+22	2,499270E+22	2,534544E+22	2,527673E+22	2,420493E+22	2,241731E+22	2,099304E+22	2,099299E+22	2,241711E+22	2,420475E+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°
-2748	2,527694E+22	2,534596E+22	2,499316E+22	2,499298E+22	2,534550E+22	2,527676E+22	2,420490E+22	2,241723E+22	2,099302E+22	2,099313E+22	2,241756E+22	2,420513E+22
-2747	2,527651E+22	2,534501E+22	2,499227E+22	2,499216E+22	2,534489E+22	2,527641E+22	2,420476E+22	2,241711E+22	2,099269E+22	2,099241E+22	2,241637E+22	2,420397E+22
-2746	2,527593E+22	2,534512E+22	2,499295E+22	2,499289E+22	2,534513E+22	2,527621E+22	2,420446E+22	2,241695E+22	2,099270E+22	2,099261E+22	2,241690E+22	2,420495E+22
-2745	2,527713E+22	2,534574E+22	2,499299E+22	2,499296E+22	2,534535E+22	2,527625E+22	2,420411E+22	2,241639E+22	2,099233E+22	2,099265E+22	2,241709E+22	2,420455E+22
-2744	2,527604E+22	2,534451E+22	2,499176E+22	2,499206E+22	2,534506E+22	2,527651E+22	2,420456E+22	2,241654E+22	2,099184E+22	2,099171E+22	2,241612E+22	2,420398E+22
-2743	2,527606E+22	2,534535E+22	2,499295E+22	2,499286E+22	2,534542E+22	2,527665E+22	2,420462E+22	2,241658E+22	2,099197E+22	2,099195E+22	2,241672E+22	2,420510E+22
-2742	2,527694E+22	2,534534E+22	2,499262E+22	2,499249E+22	2,534505E+22	2,527635E+22	2,420440E+22	2,241643E+22	2,099189E+22	2,099179E+22	2,241611E+22	2,420395E+22
-2741	2,527590E+22	2,534447E+22	2,499183E+22	2,499212E+22	2,534498E+22	2,527643E+22	2,420460E+22	2,241669E+22	2,099208E+22	2,099191E+22	2,241612E+22	2,420389E+22
-2740	2,527628E+22	2,534566E+22	2,499303E+22	2,499283E+22	2,534534E+22	2,527653E+22	2,420456E+22	2,241674E+22	2,099242E+22	2,099255E+22	2,241713E+22	2,420486E+22
-2739	2,527626E+22	2,534481E+22	2,499220E+22	2,499227E+22	2,534509E+22	2,527643E+22	2,420448E+22	2,241665E+22	2,099229E+22	2,099224E+22	2,241640E+22	2,420397E+22
-2738	2,527563E+22	2,534448E+22	2,499239E+22	2,499269E+22	2,534526E+22	2,527644E+22	2,420455E+22	2,241686E+22	2,099257E+22	2,099257E+22	2,241696E+22	2,420502E+22
-2737	2,527717E+22	2,534568E+22	2,499284E+22	2,499287E+22	2,534541E+22	2,527647E+22	2,420444E+22	2,241677E+22	2,099271E+22	2,099302E+22	2,241751E+22	2,420509E+22
-2736	2,527658E+22	2,534498E+22	2,499206E+22	2,499207E+22	2,534492E+22	2,527650E+22	2,420490E+22	2,241726E+22	2,099279E+22	2,099253E+22	2,241653E+22	2,420406E+22
-2735	2,527610E+22	2,534559E+22	2,499344E+22	2,499319E+22	2,534534E+22	2,527650E+22	2,420489E+22	2,241752E+22	2,099338E+22	2,099325E+22	2,241736E+22	2,420516E+22
-2734	2,527709E+22	2,534594E+22	2,499357E+22	2,499339E+22	2,534546E+22	2,527632E+22	2,420450E+22	2,241724E+22	2,099345E+22	2,099357E+22	2,241742E+22	2,420446E+22
-2733	2,527599E+22	2,534478E+22	2,499250E+22	2,499287E+22	2,534552E+22	2,527668E+22	2,420486E+22	2,241743E+22	2,099345E+22	2,099344E+22	2,241720E+22	2,420430E+22
-2732	2,527615E+22	2,534560E+22	2,499348E+22	2,499347E+22	2,534584E+22	2,527690E+22	2,420503E+22	2,241759E+22	2,099366E+22	2,099381E+22	2,241805E+22	2,420557E+22
-2731	2,527688E+22	2,534527E+22	2,499277E+22	2,499287E+22	2,534548E+22	2,527670E+22	2,420491E+22	2,241745E+22	2,099340E+22	2,099332E+22	2,241711E+22	2,420434E+22
-2730	2,527600E+22	2,534481E+22	2,499258E+22	2,499278E+22	2,534528E+22	2,527656E+22	2,420498E+22	2,241764E+22	2,099347E+22	2,099322E+22	2,241713E+22	2,420480E+22
-2729	2,527700E+22	2,534605E+22	2,499340E+22	2,499311E+22	2,534534E+22	2,527637E+22	2,420462E+22	2,241732E+22	2,099343E+22	2,099358E+22	2,241777E+22	2,420515E+22
-2728	2,527657E+22	2,534517E+22	2,499255E+22	2,499242E+22	2,534492E+22	2,527627E+22	2,420468E+22	2,241724E+22	2,099300E+22	2,099281E+22	2,241662E+22	2,420389E+22
-2727	2,527565E+22	2,534499E+22	2,499311E+22	2,499317E+22	2,534543E+22	2,527645E+22	2,420460E+22	2,241706E+22	2,099293E+22	2,099294E+22	2,241717E+22	2,420502E+22
-2726	2,527701E+22	2,534570E+22	2,499315E+22	2,499314E+22	2,534551E+22	2,527640E+22	2,420424E+22	2,241650E+22	2,099246E+22	2,099278E+22	2,241718E+22	2,420466E+22
-2725	2,527620E+22	2,534465E+22	2,499187E+22	2,499212E+22	2,534518E+22	2,527666E+22	2,420470E+22	2,241673E+22	2,099220E+22	2,099207E+22	2,241625E+22	2,420393E+22
-2724	2,527595E+22	2,534526E+22	2,499292E+22	2,499274E+22	2,534529E+22	2,527666E+22	2,420484E+22	2,241705E+22	2,099259E+22	2,099245E+22	2,241689E+22	2,420506E+22
-2723	2,527690E+22	2,534535E+22	2,499270E+22	2,499261E+22	2,534511E+22	2,527628E+22	2,420444E+22	2,241677E+22	2,099248E+22	2,099239E+22	2,241637E+22	2,420383E+22
-2722	2,527566E+22	2,534444E+22	2,499211E+22	2,499243E+22	2,534511E+22	2,527635E+22	2,420455E+22	2,241693E+22	2,099259E+22	2,099246E+22	2,241658E+22	2,420422E+22
-2721	2,527629E+22	2,534544E+22	2,499295E+22	2,499287E+22	2,534536E+22	2,527642E+22	2,420441E+22	2,241679E+22	2,099277E+22	2,099309E+22	2,241765E+22	2,420532E+22
-2720	2,527662E+22	2,534496E+22	2,499223E+22	2,499220E+22	2,534494E+22	2,527640E+22	2,420465E+22	2,241691E+22	2,099259E+22	2,099257E+22	2,241665E+22	2,420410E+22
-2719	2,527575E+22	2,534468E+22	2,499259E+22	2,499276E+22	2,534528E+22	2,527654E+22	2,420481E+22	2,241725E+22	2,099301E+22	2,099291E+22	2,241708E+22	2,420499E+22
-2718	2,527726E+22	2,534611E+22	2,499339E+22	2,499312E+22	2,534536E+22	2,527633E+22	2,420446E+22	2,241707E+22	2,099319E+22	2,099338E+22	2,241756E+22	2,420495E+22
-2717	2,527658E+22	2,534527E+22	2,499260E+22	2,499254E+22	2,534512E+22	2,527644E+22	2,420479E+22	2,241742E+22	2,099337E+22	2,099320E+22	2,241681E+22	2,420389E+22
-2716	2,527573E+22	2,534535E+22	2,499355E+22	2,499349E+22	2,534562E+22	2,527663E+22	2,420500E+22	2,241784E+22	2,099398E+22	2,099391E+22	2,241779E+22	2,420526E+22
-2715	2,527698E+22	2,534573E+22	2,499350E+22	2,499358E+22	2,534580E+22	2,527657E+22	2,420468E+22	2,241748E+22	2,099383E+22	2,099402E+22	2,241774E+22	2,420454E+22
-2714	2,527588E+22	2,534466E+22	2,499256E+22	2,499298E+22	2,534561E+22	2,527683E+22	2,420514E+22	2,241782E+22	2,099384E+22	2,099372E+22	2,241747E+22	2,420463E+22
-2713	2,527634E+22	2,534551E+22	2,499332E+22	2,499327E+22	2,534562E+22	2,527675E+22	2,420507E+22	2,241790E+22	2,099413E+22	2,099422E+22	2,241827E+22	2,420573E+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	2,527719E+22	2,534560E+22	2,499294E+22	2,499271E+22	2,534507E+22	2,527643E+22	2,420501E+22	2,241782E+22	2,099389E+22	2,099375E+22	2,241726E+22	2,420418E+22
-2711	2,527584E+22	2,534491E+22	2,499291E+22	2,499303E+22	2,534527E+22	2,527640E+22	2,420493E+22	2,241785E+22	2,099393E+22	2,099375E+22	2,241743E+22	2,420471E+22
-2710	2,527683E+22	2,534612E+22	2,499374E+22	2,499345E+22	2,534546E+22	2,527619E+22	2,420433E+22	2,241722E+22	2,099361E+22	2,099392E+22	2,241807E+22	2,420528E+22
-2709	2,527657E+22	2,534518E+22	2,499274E+22	2,499271E+22	2,534521E+22	2,527639E+22	2,420454E+22	2,241706E+22	2,099310E+22	2,099314E+22	2,241692E+22	2,420404E+22
-2708	2,527560E+22	2,534475E+22	2,499294E+22	2,499312E+22	2,534552E+22	2,527667E+22	2,420486E+22	2,241730E+22	2,099313E+22	2,099312E+22	2,241729E+22	2,420512E+22
-2707	2,527719E+22	2,534573E+22	2,499307E+22	2,499311E+22	2,534558E+22	2,527655E+22	2,420451E+22	2,241685E+22	2,099276E+22	2,099291E+22	2,241708E+22	2,420445E+22
-2706	2,527614E+22	2,534487E+22	2,499223E+22	2,499230E+22	2,534512E+22	2,527664E+22	2,420492E+22	2,241719E+22	2,099272E+22	2,099238E+22	2,241635E+22	2,420393E+22
-2705	2,527586E+22	2,534514E+22	2,499300E+22	2,499283E+22	2,534519E+22	2,527642E+22	2,420474E+22	2,241732E+22	2,099318E+22	2,099310E+22	2,241726E+22	2,420508E+22
-2704	2,527690E+22	2,534539E+22	2,499283E+22	2,499270E+22	2,534505E+22	2,527623E+22	2,420452E+22	2,241704E+22	2,099296E+22	2,099300E+22	2,241684E+22	2,420391E+22
-2703	2,527550E+22	2,534433E+22	2,499223E+22	2,499263E+22	2,534527E+22	2,527649E+22	2,420470E+22	2,241716E+22	2,099299E+22	2,099296E+22	2,241702E+22	2,420444E+22
-2702	2,527640E+22	2,534554E+22	2,499311E+22	2,499297E+22	2,534533E+22	2,527635E+22	2,420443E+22	2,241695E+22	2,099304E+22	2,099337E+22	2,241787E+22	2,420554E+22
-2701	2,527697E+22	2,534532E+22	2,499255E+22	2,499238E+22	2,534499E+22	2,527638E+22	2,420464E+22	2,241711E+22	2,099305E+22	2,099303E+22	2,241683E+22	2,420407E+22
-2700	2,527575E+22	2,534481E+22	2,499283E+22	2,499285E+22	2,534519E+22	2,527649E+22	2,420497E+22	2,241769E+22	2,099363E+22	2,099345E+22	2,241725E+22	2,420485E+22
-2699	2,527713E+22	2,534614E+22	2,499366E+22	2,499352E+22	2,534559E+22	2,527631E+22	2,420450E+22	2,241739E+22	2,099375E+22	2,099395E+22	2,241780E+22	2,420475E+22
-2698	2,527626E+22	2,534521E+22	2,499295E+22	2,499303E+22	2,534545E+22	2,527656E+22	2,420487E+22	2,241770E+22	2,099387E+22	2,099372E+22	2,241727E+22	2,420417E+22
-2697	2,527562E+22	2,534494E+22	2,499332E+22	2,499350E+22	2,534570E+22	2,527669E+22	2,420503E+22	2,241801E+22	2,099440E+22	2,099446E+22	2,241826E+22	2,420557E+22
-2696	2,527720E+22	2,534576E+22	2,499339E+22	2,499340E+22	2,534560E+22	2,527662E+22	2,420499E+22	2,241786E+22	2,099420E+22	2,099438E+22	2,241800E+22	2,420466E+22
-2695	2,527597E+22	2,534478E+22	2,499266E+22	2,499293E+22	2,534546E+22	2,527678E+22	2,420533E+22	2,241823E+22	2,099432E+22	2,099409E+22	2,241762E+22	2,420461E+22
-2694	2,527644E+22	2,534586E+22	2,499371E+22	2,499338E+22	2,534537E+22	2,527639E+22	2,420492E+22	2,241807E+22	2,099452E+22	2,099458E+22	2,241840E+22	2,420569E+22
-2693	2,527727E+22	2,534591E+22	2,499341E+22	2,499312E+22	2,534519E+22	2,527623E+22	2,420470E+22	2,241778E+22	2,099427E+22	2,099429E+22	2,241756E+22	2,420411E+22
-2692	2,527561E+22	2,534476E+22	2,499301E+22	2,499328E+22	2,534550E+22	2,527652E+22	2,420495E+22	2,241794E+22	2,099421E+22	2,099413E+22	2,241774E+22	2,420482E+22
-2691	2,527679E+22	2,534597E+22	2,499373E+22	2,499373E+22	2,534583E+22	2,527647E+22	2,420450E+22	2,241732E+22	2,099373E+22	2,099407E+22	2,241819E+22	2,420530E+22
-2690	2,527654E+22	2,534517E+22	2,499286E+22	2,499293E+22	2,534542E+22	2,527664E+22	2,420487E+22	2,241741E+22	2,099334E+22	2,099319E+22	2,241698E+22	2,420422E+22
-2689	2,527572E+22	2,534464E+22	2,499276E+22	2,499296E+22	2,534538E+22	2,527664E+22	2,420504E+22	2,241771E+22	2,099362E+22	2,099347E+22	2,241738E+22	2,420506E+22
-2688	2,527729E+22	2,534596E+22	2,499324E+22	2,499299E+22	2,534523E+22	2,527640E+22	2,420477E+22	2,241736E+22	2,099335E+22	2,099341E+22	2,241726E+22	2,420421E+22
-2687	2,527583E+22	2,534480E+22	2,499247E+22	2,499254E+22	2,534510E+22	2,527648E+22	2,420494E+22	2,241756E+22	2,099335E+22	2,099307E+22	2,241678E+22	2,420391E+22
-2686	2,527570E+22	2,534513E+22	2,499315E+22	2,499302E+22	2,534519E+22	2,527621E+22	2,420450E+22	2,241732E+22	2,099353E+22	2,099364E+22	2,241778E+22	2,420538E+22
-2685	2,527704E+22	2,534545E+22	2,499291E+22	2,499283E+22	2,534515E+22	2,527619E+22	2,420431E+22	2,241694E+22	2,099322E+22	2,099347E+22	2,241727E+22	2,420418E+22
-2684	2,527561E+22	2,534427E+22	2,499215E+22	2,499259E+22	2,534526E+22	2,527655E+22	2,420485E+22	2,241740E+22	2,099329E+22	2,099324E+22	2,241722E+22	2,420462E+22
-2683	2,527669E+22	2,534579E+22	2,499330E+22	2,499316E+22	2,534540E+22	2,527632E+22	2,420452E+22	2,241724E+22	2,099339E+22	2,099358E+22	2,241784E+22	2,420536E+22
-2682	2,527693E+22	2,534563E+22	2,499312E+22	2,499285E+22	2,534512E+22	2,527635E+22	2,420475E+22	2,241750E+22	2,099355E+22	2,099337E+22	2,241698E+22	2,420405E+22
-2681	2,527560E+22	2,534469E+22	2,499300E+22	2,499317E+22	2,534534E+22	2,527643E+22	2,420496E+22	2,241800E+22	2,099426E+22	2,099412E+22	2,241764E+22	2,420480E+22
-2680	2,527699E+22	2,534613E+22	2,499380E+22	2,499367E+22	2,534568E+22	2,527649E+22	2,420480E+22	2,241775E+22	2,099426E+22	2,099454E+22	2,241823E+22	2,420479E+22
-2679	2,527600E+22	2,534498E+22	2,499297E+22	2,499321E+22	2,534566E+22	2,527682E+22	2,420521E+22	2,241813E+22	2,099439E+22	2,099427E+22	2,241769E+22	2,420436E+22
-2678	2,527573E+22	2,534498E+22	2,499326E+22	2,499343E+22	2,534560E+22	2,527662E+22	2,420512E+22	2,241831E+22	2,099481E+22	2,099483E+22	2,241853E+22	2,420578E+22
-2677	2,527751E+22	2,534607E+22	2,499354E+22	2,499338E+22	2,534547E+22	2,527646E+22	2,420491E+22	2,241809E+22	2,099473E+22	2,099488E+22	2,241823E+22	2,420468E+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												
-2676	2,527598E+22	2,534492E+22	2,499285E+22	2,499297E+22	2,534527E+22	2,527657E+22	2,420535E+22	2,241856E+22	2,099487E+22	2,099460E+22	2,241788E+22	2,420461E+22
-2675	2,527640E+22	2,534593E+22	2,499400E+22	2,499379E+22	2,534551E+22	2,527619E+22	2,420474E+22	2,241817E+22	2,099486E+22	2,099497E+22	2,241864E+22	2,420563E+22
-2674	2,527708E+22	2,534593E+22	2,499376E+22	2,499361E+22	2,534552E+22	2,527633E+22	2,420467E+22	2,241783E+22	2,099444E+22	2,099452E+22	2,241789E+22	2,420441E+22
-2673	2,527560E+22	2,534453E+22	2,499285E+22	2,499330E+22	2,534561E+22	2,527663E+22	2,420502E+22	2,241803E+22	2,099441E+22	2,099438E+22	2,241795E+22	2,420495E+22
-2672	2,527694E+22	2,534610E+22	2,499370E+22	2,499357E+22	2,534570E+22	2,527664E+22	2,420493E+22	2,241771E+22	2,099399E+22	2,099420E+22	2,241818E+22	2,420518E+22
-2671	2,527648E+22	2,534529E+22	2,499301E+22	2,499300E+22	2,534539E+22	2,527669E+22	2,420516E+22	2,241792E+22	2,099388E+22	2,099352E+22	2,241700E+22	2,420402E+22
-2670	2,527566E+22	2,534481E+22	2,499294E+22	2,499303E+22	2,534519E+22	2,527634E+22	2,420494E+22	2,241797E+22	2,099413E+22	2,099393E+22	2,241758E+22	2,420498E+22
-2669	2,527718E+22	2,534605E+22	2,499350E+22	2,499331E+22	2,534534E+22	2,527620E+22	2,420448E+22	2,241742E+22	2,099387E+22	2,099408E+22	2,241773E+22	2,420428E+22
-2668	2,527561E+22	2,534459E+22	2,499243E+22	2,499264E+22	2,534518E+22	2,527649E+22	2,420493E+22	2,241768E+22	2,099371E+22	2,099358E+22	2,241728E+22	2,420419E+22
-2667	2,527572E+22	2,534501E+22	2,499314E+22	2,499322E+22	2,534535E+22	2,527624E+22	2,420453E+22	2,241741E+22	2,099371E+22	2,099389E+22	2,241803E+22	2,420557E+22
-2666	2,527718E+22	2,534563E+22	2,499313E+22	2,499308E+22	2,534530E+22	2,527630E+22	2,420450E+22	2,241722E+22	2,099346E+22	2,099360E+22	2,241744E+22	2,420445E+22
-2665	2,527583E+22	2,534439E+22	2,499217E+22	2,499255E+22	2,534515E+22	2,527648E+22	2,420495E+22	2,241776E+22	2,099380E+22	2,099363E+22	2,241732E+22	2,420453E+22
-2664	2,527675E+22	2,534612E+22	2,499366E+22	2,499328E+22	2,534526E+22	2,527630E+22	2,420480E+22	2,241771E+22	2,099398E+22	2,099407E+22	2,241800E+22	2,420512E+22
-2663	2,527659E+22	2,534558E+22	2,499345E+22	2,499333E+22	2,534537E+22	2,527637E+22	2,420486E+22	2,241792E+22	2,099423E+22	2,099406E+22	2,241737E+22	2,420400E+22
-2662	2,527540E+22	2,534460E+22	2,499302E+22	2,499336E+22	2,534548E+22	2,527641E+22	2,420491E+22	2,241816E+22	2,099471E+22	2,099470E+22	2,241814E+22	2,420506E+22
-2661	2,527701E+22	2,534609E+22	2,499381E+22	2,499378E+22	2,534579E+22	2,527654E+22	2,420477E+22	2,241791E+22	2,099472E+22	2,099508E+22	2,241865E+22	2,420504E+22
-2660	2,527607E+22	2,534493E+22	2,499283E+22	2,499305E+22	2,534552E+22	2,527682E+22	2,420545E+22	2,241855E+22	2,099489E+22	2,099468E+22	2,241795E+22	2,420455E+22
-2659	2,527596E+22	2,534522E+22	2,499345E+22	2,499353E+22	2,534548E+22	2,527642E+22	2,420514E+22	2,241863E+22	2,099526E+22	2,099517E+22	2,241862E+22	2,420570E+22
-2658	2,527752E+22	2,534641E+22	2,499407E+22	2,499379E+22	2,534553E+22	2,527630E+22	2,420487E+22	2,241834E+22	2,099516E+22	2,099524E+22	2,241847E+22	2,420477E+22
-2657	2,527591E+22	2,534491E+22	2,499301E+22	2,499325E+22	2,534540E+22	2,527646E+22	2,420520E+22	2,241868E+22	2,099530E+22	2,099512E+22	2,241821E+22	2,420466E+22
-2656	2,527636E+22	2,534602E+22	2,499419E+22	2,499397E+22	2,534566E+22	2,527639E+22	2,420495E+22	2,241833E+22	2,099511E+22	2,099528E+22	2,241889E+22	2,420566E+22
-2655	2,527686E+22	2,534574E+22	2,499383E+22	2,499390E+22	2,534582E+22	2,527661E+22	2,420497E+22	2,241816E+22	2,099477E+22	2,099479E+22	2,241804E+22	2,420447E+22
-2654	2,527570E+22	2,534461E+22	2,499277E+22	2,499326E+22	2,534559E+22	2,527664E+22	2,420517E+22	2,241832E+22	2,099474E+22	2,099463E+22	2,241805E+22	2,420496E+22
-2653	2,527701E+22	2,534631E+22	2,499382E+22	2,499353E+22	2,534558E+22	2,527651E+22	2,420489E+22	2,241799E+22	2,099455E+22	2,099464E+22	2,241828E+22	2,420500E+22
-2652	2,527624E+22	2,534523E+22	2,499306E+22	2,499299E+22	2,534521E+22	2,527650E+22	2,420521E+22	2,241829E+22	2,099449E+22	2,099411E+22	2,241732E+22	2,420402E+22
-2651	2,527549E+22	2,534469E+22	2,499304E+22	2,499333E+22	2,534527E+22	2,527610E+22	2,420470E+22	2,241803E+22	2,099451E+22	2,099442E+22	2,241796E+22	2,420509E+22
-2650	2,527702E+22	2,534597E+22	2,499361E+22	2,499358E+22	2,534554E+22	2,527622E+22	2,420438E+22	2,241741E+22	2,099402E+22	2,099437E+22	2,241819E+22	2,420478E+22
-2649	2,527575E+22	2,534445E+22	2,499222E+22	2,499255E+22	2,534517E+22	2,527648E+22	2,420491E+22	2,241775E+22	2,099391E+22	2,099385E+22	2,241755E+22	2,420448E+22
-2648	2,527607E+22	2,534535E+22	2,499325E+22	2,499308E+22	2,534517E+22	2,527629E+22	2,420481E+22	2,241771E+22	2,099396E+22	2,099401E+22	2,241802E+22	2,420551E+22
-2647	2,527720E+22	2,534591E+22	2,499352E+22	2,499335E+22	2,534536E+22	2,527632E+22	2,420471E+22	2,241768E+22	2,099401E+22	2,099395E+22	2,241742E+22	2,420423E+22
-2646	2,527581E+22	2,534470E+22	2,499254E+22	2,499285E+22	2,534517E+22	2,527631E+22	2,420490E+22	2,241805E+22	2,099437E+22	2,099417E+22	2,241752E+22	2,420438E+22
-2645	2,527653E+22	2,534620E+22	2,499399E+22	2,499371E+22	2,534556E+22	2,527630E+22	2,420468E+22	2,241794E+22	2,099465E+22	2,099477E+22	2,241838E+22	2,420508E+22
-2644	2,527626E+22	2,534532E+22	2,499342E+22	2,499350E+22	2,534561E+22	2,527660E+22	2,420511E+22	2,241830E+22	2,099482E+22	2,099470E+22	2,241788E+22	2,420427E+22
-2643	2,527537E+22	2,534441E+22	2,499295E+22	2,499353E+22	2,534562E+22	2,527648E+22	2,420509E+22	2,241850E+22	2,099515E+22	2,099512E+22	2,241847E+22	2,420529E+22
-2642	2,527711E+22	2,534621E+22	2,499393E+22	2,499390E+22	2,534585E+22	2,527659E+22	2,420498E+22	2,241832E+22	2,099515E+22	2,099541E+22	2,241897E+22	2,420537E+22
-2641	2,527629E+22	2,534509E+22	2,499288E+22	2,499293E+22	2,534525E+22	2,527659E+22	2,420545E+22	2,241892E+22	2,099552E+22	2,099525E+22	2,241821E+22	2,420457E+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	2,527604E+22	2,534558E+22	2,499386E+22	2,499364E+22	2,534530E+22	2,527625E+22	2,420520E+22	2,241892E+22	2,099579E+22	2,099571E+22	2,241888E+22	2,420560E+22
-2639	2,527726E+22	2,534644E+22	2,499446E+22	2,499431E+22	2,534583E+22	2,527630E+22	2,420481E+22	2,241854E+22	2,099565E+22	2,099580E+22	2,241880E+22	2,420482E+22
-2638	2,527587E+22	2,534491E+22	2,499304E+22	2,499342E+22	2,534559E+22	2,527648E+22	2,420508E+22	2,241864E+22	2,099550E+22	2,099546E+22	2,241852E+22	2,420485E+22
-2637	2,527639E+22	2,534603E+22	2,499423E+22	2,499409E+22	2,534584E+22	2,527650E+22	2,420496E+22	2,241845E+22	2,099538E+22	2,099551E+22	2,241899E+22	2,420573E+22
-2636	2,527687E+22	2,534571E+22	2,499373E+22	2,499378E+22	2,534577E+22	2,527669E+22	2,420525E+22	2,241856E+22	2,099516E+22	2,099502E+22	2,241809E+22	2,420444E+22
-2635	2,527569E+22	2,534467E+22	2,499289E+22	2,499334E+22	2,534548E+22	2,527647E+22	2,420521E+22	2,241863E+22	2,099516E+22	2,099491E+22	2,241806E+22	2,420479E+22
-2634	2,527680E+22	2,534639E+22	2,499414E+22	2,499385E+22	2,534567E+22	2,527641E+22	2,420486E+22	2,241821E+22	2,099493E+22	2,099505E+22	2,241859E+22	2,420513E+22
-2633	2,527609E+22	2,534506E+22	2,499300E+22	2,499301E+22	2,534522E+22	2,527638E+22	2,420506E+22	2,241839E+22	2,099491E+22	2,099468E+22	2,241775E+22	2,420420E+22
-2632	2,527549E+22	2,534474E+22	2,499310E+22	2,499328E+22	2,534527E+22	2,527623E+22	2,420484E+22	2,241813E+22	2,099472E+22	2,099474E+22	2,241827E+22	2,420528E+22
-2631	2,527701E+22	2,534594E+22	2,499370E+22	2,499377E+22	2,534571E+22	2,527635E+22	2,420457E+22	2,241769E+22	2,099435E+22	2,099462E+22	2,241830E+22	2,420493E+22
-2630	2,527605E+22	2,534474E+22	2,499227E+22	2,499252E+22	2,534510E+22	2,527640E+22	2,420494E+22	2,241796E+22	2,099424E+22	2,099410E+22	2,241760E+22	2,420448E+22
-2629	2,527620E+22	2,534573E+22	2,499364E+22	2,499327E+22	2,534515E+22	2,527616E+22	2,420476E+22	2,241803E+22	2,099456E+22	2,099445E+22	2,241805E+22	2,420528E+22
-2628	2,527694E+22	2,534592E+22	2,499379E+22	2,499362E+22	2,534543E+22	2,527627E+22	2,420483E+22	2,241812E+22	2,099469E+22	2,099461E+22	2,241775E+22	2,420416E+22
-2627	2,527551E+22	2,534455E+22	2,499275E+22	2,499329E+22	2,534544E+22	2,527627E+22	2,420485E+22	2,241827E+22	2,099491E+22	2,099480E+22	2,241796E+22	2,420447E+22
-2626	2,527626E+22	2,534600E+22	2,499407E+22	2,499399E+22	2,534588E+22	2,527652E+22	2,420481E+22	2,241815E+22	2,099500E+22	2,099526E+22	2,241891E+22	2,420550E+22
-2625	2,527632E+22	2,534513E+22	2,499316E+22	2,499332E+22	2,534554E+22	2,527663E+22	2,420526E+22	2,241863E+22	2,099533E+22	2,099524E+22	2,241828E+22	2,420458E+22
-2624	2,527569E+22	2,534473E+22	2,499304E+22	2,499330E+22	2,534537E+22	2,527648E+22	2,420534E+22	2,241890E+22	2,099563E+22	2,099549E+22	2,241864E+22	2,420534E+22
-2623	2,527715E+22	2,534643E+22	2,499430E+22	2,499412E+22	2,534580E+22	2,527645E+22	2,420506E+22	2,241875E+22	2,099579E+22	2,099592E+22	2,241908E+22	2,420532E+22
-2622	2,527640E+22	2,534541E+22	2,499327E+22	2,499323E+22	2,534525E+22	2,527632E+22	2,420522E+22	2,241902E+22	2,099598E+22	2,099581E+22	2,241853E+22	2,420459E+22
-2621	2,527599E+22	2,534574E+22	2,499423E+22	2,499406E+22	2,534556E+22	2,527618E+22	2,420496E+22	2,241895E+22	2,099620E+22	2,099619E+22	2,241917E+22	2,420560E+22
-2620	2,527702E+22	2,534623E+22	2,499448E+22	2,499450E+22	2,534611E+22	2,527657E+22	2,420504E+22	2,241876E+22	2,099597E+22	2,099617E+22	2,241911E+22	2,420499E+22
-2619	2,527584E+22	2,534477E+22	2,499307E+22	2,499363E+22	2,534579E+22	2,527663E+22	2,420527E+22	2,241889E+22	2,099575E+22	2,099564E+22	2,241860E+22	2,420489E+22
-2618	2,527639E+22	2,534605E+22	2,499428E+22	2,499414E+22	2,534593E+22	2,527667E+22	2,420524E+22	2,241881E+22	2,099569E+22	2,099571E+22	2,241907E+22	2,420577E+22
-2617	2,527687E+22	2,534571E+22	2,499368E+22	2,499358E+22	2,534550E+22	2,527653E+22	2,420534E+22	2,241895E+22	2,099576E+22	2,099555E+22	2,241828E+22	2,420438E+22
-2616	2,527564E+22	2,534482E+22	2,499309E+22	2,499328E+22	2,534525E+22	2,527631E+22	2,420523E+22	2,241889E+22	2,099564E+22	2,099542E+22	2,241835E+22	2,420476E+22
-2615	2,527653E+22	2,534621E+22	2,499429E+22	2,499412E+22	2,534582E+22	2,527635E+22	2,420477E+22	2,241835E+22	2,099535E+22	2,099556E+22	2,241894E+22	2,420532E+22
-2614	2,527622E+22	2,534508E+22	2,499296E+22	2,499300E+22	2,534520E+22	2,527627E+22	2,420487E+22	2,241828E+22	2,099505E+22	2,099502E+22	2,241810E+22	2,420450E+22
-2613	2,527572E+22	2,534493E+22	2,499324E+22	2,499334E+22	2,534529E+22	2,527615E+22	2,420474E+22	2,241820E+22	2,099495E+22	2,099491E+22	2,241832E+22	2,420533E+22
-2612	2,527712E+22	2,534609E+22	2,499384E+22	2,499379E+22	2,534569E+22	2,527640E+22	2,420477E+22	2,241805E+22	2,099476E+22	2,099489E+22	2,241832E+22	2,420485E+22
-2611	2,527605E+22	2,534494E+22	2,499271E+22	2,499289E+22	2,534517E+22	2,527628E+22	2,420495E+22	2,241826E+22	2,099471E+22	2,099445E+22	2,241762E+22	2,420425E+22
-2610	2,527594E+22	2,534577E+22	2,499407E+22	2,499381E+22	2,534551E+22	2,527627E+22	2,420485E+22	2,241831E+22	2,099502E+22	2,099497E+22	2,241839E+22	2,420528E+22
-2609	2,527668E+22	2,534568E+22	2,499378E+22	2,499378E+22	2,534562E+22	2,527639E+22	2,420492E+22	2,241840E+22	2,099529E+22	2,099533E+22	2,241828E+22	2,420434E+22
-2608	2,527542E+22	2,534446E+22	2,499276E+22	2,499323E+22	2,534551E+22	2,527655E+22	2,420518E+22	2,241861E+22	2,099537E+22	2,099533E+22	2,241840E+22	2,420473E+22
-2607	2,527625E+22	2,534585E+22	2,499407E+22	2,499409E+22	2,534601E+22	2,527668E+22	2,420512E+22	2,241864E+22	2,099559E+22	2,099577E+22	2,241917E+22	2,420574E+22
-2606	2,527672E+22	2,534541E+22	2,499316E+22	2,499312E+22	2,534528E+22	2,527643E+22	2,420524E+22	2,241892E+22	2,099585E+22	2,099575E+22	2,241854E+22	2,420469E+22
-2605	2,527590E+22	2,534514E+22	2,499347E+22	2,499345E+22	2,534520E+22	2,527614E+22	2,420516E+22	2,241918E+22	2,099627E+22	2,099604E+22	2,241883E+22	2,420525E+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												
-2604	2,527702E+22	2,534652E+22	2,499465E+22	2,499444E+22	2,534585E+22	2,527628E+22	2,420499E+22	2,241902E+22	2,099637E+22	2,099655E+22	2,241946E+22	2,420535E+22
-2603	2,527622E+22	2,534533E+22	2,499358E+22	2,499372E+22	2,534553E+22	2,527627E+22	2,420506E+22	2,241903E+22	2,099626E+22	2,099622E+22	2,241886E+22	2,420470E+22
-2602	2,527586E+22	2,534563E+22	2,499438E+22	2,499440E+22	2,534596E+22	2,527650E+22	2,420513E+22	2,241902E+22	2,099629E+22	2,099642E+22	2,241946E+22	2,420583E+22
-2601	2,527709E+22	2,534611E+22	2,499428E+22	2,499433E+22	2,534607E+22	2,527670E+22	2,420530E+22	2,241908E+22	2,099631E+22	2,099646E+22	2,241925E+22	2,420505E+22
-2600	2,527599E+22	2,534501E+22	2,499315E+22	2,499339E+22	2,534559E+22	2,527674E+22	2,420560E+22	2,241931E+22	2,099618E+22	2,099590E+22	2,241860E+22	2,420473E+22
-2599	2,527624E+22	2,534606E+22	2,499454E+22	2,499432E+22	2,534590E+22	2,527659E+22	2,420536E+22	2,241926E+22	2,099632E+22	2,099619E+22	2,241912E+22	2,420560E+22
-2598	2,527686E+22	2,534579E+22	2,499382E+22	2,499369E+22	2,534541E+22	2,527625E+22	2,420511E+22	2,241904E+22	2,099620E+22	2,099614E+22	2,241867E+22	2,420444E+22
-2597	2,527558E+22	2,534486E+22	2,499332E+22	2,499351E+22	2,534534E+22	2,527614E+22	2,420498E+22	2,241890E+22	2,099599E+22	2,099587E+22	2,241871E+22	2,420490E+22
-2596	2,527644E+22	2,534602E+22	2,499427E+22	2,499420E+22	2,534592E+22	2,527645E+22	2,420489E+22	2,241851E+22	2,099561E+22	2,099590E+22	2,241927E+22	2,420558E+22
-2595	2,527634E+22	2,534508E+22	2,499311E+22	2,499321E+22	2,534529E+22	2,527628E+22	2,420492E+22	2,241841E+22	2,099522E+22	2,099516E+22	2,241819E+22	2,420458E+22
-2594	2,527586E+22	2,534514E+22	2,499351E+22	2,499353E+22	2,534542E+22	2,527630E+22	2,420494E+22	2,241844E+22	2,099519E+22	2,099513E+22	2,241839E+22	2,420525E+22
-2593	2,527708E+22	2,534618E+22	2,499400E+22	2,499382E+22	2,534559E+22	2,527634E+22	2,420490E+22	2,241845E+22	2,099536E+22	2,099545E+22	2,241854E+22	2,420472E+22
-2592	2,527593E+22	2,534503E+22	2,499299E+22	2,499305E+22	2,534524E+22	2,527636E+22	2,420508E+22	2,241858E+22	2,099528E+22	2,099505E+22	2,241798E+22	2,420422E+22
-2591	2,527559E+22	2,534540E+22	2,499411E+22	2,499411E+22	2,534582E+22	2,527643E+22	2,420497E+22	2,241863E+22	2,099559E+22	2,099560E+22	2,241877E+22	2,420545E+22
-2590	2,527677E+22	2,534557E+22	2,499362E+22	2,499369E+22	2,534559E+22	2,527638E+22	2,420494E+22	2,241855E+22	2,099565E+22	2,099586E+22	2,241877E+22	2,420471E+22
-2589	2,527570E+22	2,534463E+22	2,499284E+22	2,499315E+22	2,534531E+22	2,527635E+22	2,420517E+22	2,241891E+22	2,099583E+22	2,099568E+22	2,241860E+22	2,420485E+22
-2588	2,527641E+22	2,534601E+22	2,499419E+22	2,499401E+22	2,534578E+22	2,527654E+22	2,420525E+22	2,241907E+22	2,099617E+22	2,099624E+22	2,241937E+22	2,420575E+22
-2587	2,527678E+22	2,534569E+22	2,499371E+22	2,499353E+22	2,534524E+22	2,527613E+22	2,420508E+22	2,241911E+22	2,099633E+22	2,099622E+22	2,241873E+22	2,420460E+22
-2586	2,527581E+22	2,534531E+22	2,499397E+22	2,499401E+22	2,534554E+22	2,527619E+22	2,420510E+22	2,241927E+22	2,099658E+22	2,099652E+22	2,241919E+22	2,420527E+22
-2585	2,527686E+22	2,534641E+22	2,499474E+22	2,499466E+22	2,534608E+22	2,527644E+22	2,420508E+22	2,241922E+22	2,099679E+22	2,099708E+22	2,241987E+22	2,420550E+22
-2584	2,527619E+22	2,534532E+22	2,499368E+22	2,499380E+22	2,534573E+22	2,527663E+22	2,420540E+22	2,241934E+22	2,099658E+22	2,099652E+22	2,241907E+22	2,420479E+22
-2583	2,527579E+22	2,534543E+22	2,499438E+22	2,499456E+22	2,534616E+22	2,527676E+22	2,420552E+22	2,241956E+22	2,099682E+22	2,099675E+22	2,241947E+22	2,420578E+22
-2582	2,527730E+22	2,534628E+22	2,499427E+22	2,499416E+22	2,534584E+22	2,527657E+22	2,420538E+22	2,241944E+22	2,099684E+22	2,099693E+22	2,241944E+22	2,420500E+22
-2581	2,527599E+22	2,534523E+22	2,499348E+22	2,499347E+22	2,534532E+22	2,527635E+22	2,420548E+22	2,241966E+22	2,099681E+22	2,099645E+22	2,241883E+22	2,420461E+22
-2580	2,527599E+22	2,534591E+22	2,499464E+22	2,499448E+22	2,534588E+22	2,527641E+22	2,420528E+22	2,241949E+22	2,099686E+22	2,099684E+22	2,241961E+22	2,420571E+22
-2579	2,527671E+22	2,534563E+22	2,499397E+22	2,499398E+22	2,534553E+22	2,527612E+22	2,420486E+22	2,241893E+22	2,099637E+22	2,099650E+22	2,241909E+22	2,420470E+22
-2578	2,527565E+22	2,534483E+22	2,499339E+22	2,499372E+22	2,534559E+22	2,527633E+22	2,420502E+22	2,241882E+22	2,099592E+22	2,099600E+22	2,241900E+22	2,420518E+22
-2577	2,527667E+22	2,534608E+22	2,499419E+22	2,499406E+22	2,534581E+22	2,527648E+22	2,420504E+22	2,241873E+22	2,099584E+22	2,099608E+22	2,241937E+22	2,420565E+22
-2576	2,527655E+22	2,534541E+22	2,499337E+22	2,499318E+22	2,534521E+22	2,527639E+22	2,420515E+22	2,241874E+22	2,099555E+22	2,099533E+22	2,241814E+22	2,420438E+22
-2575	2,527571E+22	2,534519E+22	2,499388E+22	2,499393E+22	2,534560E+22	2,527636E+22	2,420513E+22	2,241890E+22	2,099579E+22	2,099558E+22	2,241840E+22	2,420499E+22
-2574	2,527700E+22	2,534621E+22	2,499413E+22	2,499398E+22	2,534565E+22	2,527625E+22	2,420483E+22	2,241862E+22	2,099584E+22	2,099605E+22	2,241892E+22	2,420472E+22
-2573	2,527576E+22	2,534497E+22	2,499315E+22	2,499325E+22	2,534533E+22	2,527631E+22	2,420509E+22	2,241886E+22	2,099579E+22	2,099559E+22	2,241838E+22	2,420435E+22
-2572	2,527548E+22	2,534513E+22	2,499397E+22	2,499412E+22	2,534586E+22	2,527656E+22	2,420524E+22	2,241903E+22	2,099611E+22	2,099613E+22	2,241921E+22	2,420571E+22
-2571	2,527688E+22	2,534556E+22	2,499369E+22	2,499375E+22	2,534551E+22	2,527627E+22	2,420499E+22	2,241883E+22	2,099606E+22	2,099622E+22	2,241903E+22	2,420487E+22
-2570	2,527592E+22	2,534493E+22	2,499315E+22	2,499331E+22	2,534529E+22	2,527631E+22	2,420525E+22	2,241916E+22	2,099621E+22	2,099612E+22	2,241886E+22	2,420486E+22
-2569	2,527646E+22	2,534621E+22	2,499448E+22	2,499412E+22	2,534557E+22	2,527626E+22	2,420521E+22	2,241940E+22	2,099680E+22	2,099690E+22	2,241974E+22	2,420573E+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	2,527671E+22	2,534586E+22	2,499410E+22	2,499386E+22	2,534542E+22	2,527617E+22	2,420505E+22	2,241929E+22	2,099678E+22	2,099676E+22	2,241911E+22	2,420463E+22
-2567	2,527558E+22	2,534513E+22	2,499417E+22	2,499447E+22	2,534598E+22	2,527645E+22	2,420524E+22	2,241951E+22	2,099702E+22	2,099699E+22	2,241944E+22	2,420537E+22
-2566	2,527697E+22	2,534637E+22	2,499466E+22	2,499465E+22	2,534615E+22	2,527656E+22	2,420521E+22	2,241941E+22	2,099710E+22	2,099745E+22	2,242016E+22	2,420568E+22
-2565	2,527637E+22	2,534548E+22	2,499380E+22	2,499383E+22	2,534564E+22	2,527655E+22	2,420558E+22	2,241980E+22	2,099708E+22	2,099680E+22	2,241914E+22	2,420475E+22
-2564	2,527577E+22	2,534543E+22	2,499441E+22	2,499454E+22	2,534602E+22	2,527670E+22	2,420575E+22	2,242009E+22	2,099747E+22	2,099725E+22	2,241965E+22	2,420566E+22
-2563	2,527713E+22	2,534633E+22	2,499463E+22	2,499447E+22	2,534578E+22	2,527630E+22	2,420524E+22	2,241964E+22	2,099730E+22	2,099742E+22	2,241975E+22	2,420500E+22
-2562	2,527588E+22	2,534526E+22	2,499374E+22	2,499384E+22	2,534555E+22	2,527634E+22	2,420537E+22	2,241964E+22	2,099703E+22	2,099693E+22	2,241931E+22	2,420475E+22
-2561	2,527589E+22	2,534578E+22	2,499457E+22	2,499448E+22	2,534588E+22	2,527642E+22	2,420529E+22	2,241958E+22	2,099713E+22	2,099728E+22	2,242006E+22	2,420602E+22
-2560	2,527687E+22	2,534571E+22	2,499399E+22	2,499399E+22	2,534565E+22	2,527634E+22	2,420503E+22	2,241907E+22	2,099651E+22	2,099664E+22	2,241925E+22	2,420488E+22
-2559	2,527579E+22	2,534484E+22	2,499342E+22	2,499384E+22	2,534574E+22	2,527650E+22	2,420529E+22	2,241919E+22	2,099626E+22	2,099611E+22	2,241885E+22	2,420508E+22
-2558	2,527691E+22	2,534636E+22	2,499430E+22	2,499399E+22	2,534562E+22	2,527634E+22	2,420510E+22	2,241901E+22	2,099624E+22	2,099640E+22	2,241943E+22	2,420549E+22
-2557	2,527650E+22	2,534567E+22	2,499380E+22	2,499347E+22	2,534507E+22	2,527604E+22	2,420510E+22	2,241913E+22	2,099612E+22	2,099578E+22	2,241828E+22	2,420416E+22
-2556	2,527534E+22	2,534491E+22	2,499391E+22	2,499417E+22	2,534572E+22	2,527633E+22	2,420518E+22	2,241923E+22	2,099640E+22	2,099624E+22	2,241887E+22	2,420500E+22
-2555	2,527667E+22	2,534596E+22	2,499422E+22	2,499425E+22	2,534579E+22	2,527623E+22	2,420476E+22	2,241869E+22	2,099616E+22	2,099651E+22	2,241939E+22	2,420500E+22
-2554	2,527583E+22	2,534492E+22	2,499314E+22	2,499334E+22	2,534544E+22	2,527643E+22	2,420521E+22	2,241896E+22	2,099598E+22	2,099596E+22	2,241878E+22	2,420461E+22
-2553	2,527569E+22	2,534524E+22	2,499387E+22	2,499389E+22	2,534558E+22	2,527643E+22	2,420537E+22	2,241942E+22	2,099661E+22	2,099657E+22	2,241949E+22	2,420585E+22
-2552	2,527711E+22	2,534596E+22	2,499399E+22	2,499380E+22	2,534541E+22	2,527619E+22	2,420504E+22	2,241916E+22	2,099657E+22	2,099662E+22	2,241917E+22	2,420481E+22
-2551	2,527585E+22	2,534508E+22	2,499361E+22	2,499383E+22	2,534552E+22	2,527627E+22	2,420528E+22	2,241952E+22	2,099683E+22	2,099663E+22	2,241899E+22	2,420477E+22
-2550	2,527647E+22	2,534633E+22	2,499474E+22	2,499447E+22	2,534577E+22	2,527622E+22	2,420510E+22	2,241951E+22	2,099723E+22	2,099749E+22	2,242020E+22	2,420585E+22
-2549	2,527662E+22	2,534590E+22	2,499440E+22	2,499425E+22	2,534563E+22	2,527621E+22	2,420517E+22	2,241960E+22	2,099722E+22	2,099719E+22	2,241943E+22	2,420474E+22
-2548	2,527547E+22	2,534490E+22	2,499408E+22	2,499460E+22	2,534620E+22	2,527674E+22	2,420565E+22	2,242001E+22	2,099756E+22	2,099746E+22	2,241975E+22	2,420545E+22
-2547	2,527692E+22	2,534639E+22	2,499477E+22	2,499474E+22	2,534615E+22	2,527658E+22	2,420539E+22	2,241979E+22	2,099757E+22	2,099780E+22	2,242031E+22	2,420569E+22
-2546	2,527644E+22	2,534568E+22	2,499401E+22	2,499393E+22	2,534561E+22	2,527654E+22	2,420573E+22	2,242012E+22	2,099756E+22	2,099732E+22	2,241942E+22	2,420471E+22
-2545	2,527568E+22	2,534546E+22	2,499448E+22	2,499453E+22	2,534578E+22	2,527640E+22	2,420571E+22	2,242044E+22	2,099811E+22	2,099793E+22	2,242012E+22	2,420576E+22
-2544	2,527701E+22	2,534632E+22	2,499470E+22	2,499461E+22	2,534589E+22	2,527626E+22	2,420510E+22	2,241970E+22	2,099764E+22	2,099787E+22	2,242017E+22	2,420522E+22
-2543	2,527580E+22	2,534512E+22	2,499379E+22	2,499410E+22	2,534581E+22	2,527648E+22	2,420539E+22	2,241972E+22	2,099726E+22	2,099719E+22	2,241950E+22	2,420501E+22
-2542	2,527621E+22	2,534590E+22	2,499448E+22	2,499435E+22	2,534575E+22	2,527632E+22	2,420524E+22	2,241958E+22	2,099720E+22	2,099740E+22	2,242021E+22	2,420618E+22
-2541	2,527711E+22	2,534604E+22	2,499423E+22	2,499404E+22	2,534547E+22	2,527612E+22	2,420510E+22	2,241940E+22	2,099680E+22	2,099670E+22	2,241910E+22	2,420471E+22
-2540	2,527574E+22	2,534498E+22	2,499364E+22	2,499401E+22	2,534572E+22	2,527647E+22	2,420545E+22	2,241962E+22	2,099681E+22	2,099649E+22	2,241887E+22	2,420477E+22
-2539	2,527655E+22	2,534640E+22	2,499470E+22	2,499441E+22	2,534572E+22	2,527619E+22	2,420500E+22	2,241921E+22	2,099668E+22	2,099681E+22	2,241960E+22	2,420534E+22
-2538	2,527624E+22	2,534560E+22	2,499400E+22	2,499387E+22	2,534545E+22	2,527620E+22	2,420512E+22	2,241920E+22	2,099645E+22	2,099633E+22	2,241875E+22	2,420425E+22
-2537	2,527513E+22	2,534465E+22	2,499370E+22	2,499412E+22	2,534573E+22	2,527640E+22	2,420533E+22	2,241952E+22	2,099686E+22	2,099681E+22	2,241940E+22	2,420534E+22
-2536	2,527671E+22	2,534588E+22	2,499407E+22	2,499419E+22	2,534587E+22	2,527640E+22	2,420496E+22	2,241899E+22	2,099652E+22	2,099685E+22	2,241970E+22	2,420527E+22
-2535	2,527599E+22	2,534501E+22	2,499319E+22	2,499341E+22	2,534548E+22	2,527649E+22	2,420541E+22	2,241939E+22	2,099653E+22	2,099633E+22	2,241885E+22	2,420468E+22
-2534	2,527599E+22	2,534562E+22	2,499409E+22	2,499384E+22	2,534529E+22	2,527611E+22	2,420528E+22	2,241968E+22	2,099715E+22	2,099711E+22	2,241977E+22	2,420587E+22
-2533	2,527714E+22	2,534630E+22	2,499454E+22	2,499421E+22	2,534534E+22	2,527582E+22	2,420492E+22	2,241951E+22	2,099717E+22	2,099718E+22	2,241945E+22	2,420477E+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	2,527563E+22	2,534496E+22	2,499378E+22	2,499425E+22	2,534584E+22	2,527636E+22	2,420532E+22	2,241980E+22	2,099740E+22	2,099728E+22	2,241945E+22	2,420484E+22
-2531	2,527622E+22	2,534621E+22	2,499494E+22	2,499482E+22	2,534606E+22	2,527637E+22	2,420515E+22	2,241963E+22	2,099752E+22	2,099785E+22	2,242053E+22	2,420609E+22
-2530	2,527673E+22	2,534594E+22	2,499447E+22	2,499443E+22	2,534587E+22	2,527648E+22	2,420544E+22	2,241982E+22	2,099749E+22	2,099754E+22	2,241970E+22	2,420485E+22
-2529	2,527555E+22	2,534496E+22	2,499396E+22	2,499439E+22	2,534598E+22	2,527671E+22	2,420594E+22	2,242056E+22	2,099819E+22	2,099795E+22	2,242000E+22	2,420549E+22
-2528	2,527693E+22	2,534661E+22	2,499496E+22	2,499479E+22	2,534611E+22	2,527653E+22	2,420549E+22	2,242020E+22	2,099816E+22	2,099827E+22	2,242049E+22	2,420565E+22
-2527	2,527631E+22	2,534572E+22	2,499427E+22	2,499425E+22	2,534573E+22	2,527645E+22	2,420570E+22	2,242043E+22	2,099816E+22	2,099785E+22	2,241962E+22	2,420472E+22
-2526	2,527570E+22	2,534550E+22	2,499454E+22	2,499459E+22	2,534576E+22	2,527622E+22	2,420549E+22	2,242044E+22	2,099844E+22	2,099845E+22	2,242058E+22	2,420601E+22
-2525	2,527705E+22	2,534642E+22	2,499492E+22	2,499481E+22	2,534587E+22	2,527610E+22	2,420509E+22	2,241987E+22	2,099788E+22	2,099811E+22	2,242037E+22	2,420540E+22
-2524	2,527583E+22	2,534502E+22	2,499372E+22	2,499418E+22	2,534593E+22	2,527659E+22	2,420559E+22	2,242001E+22	2,099758E+22	2,099742E+22	2,241961E+22	2,420502E+22
-2523	2,527619E+22	2,534608E+22	2,499473E+22	2,499448E+22	2,534576E+22	2,527629E+22	2,420528E+22	2,241976E+22	2,099746E+22	2,099753E+22	2,242016E+22	2,420609E+22
-2522	2,527712E+22	2,534630E+22	2,499459E+22	2,499430E+22	2,534555E+22	2,527613E+22	2,420516E+22	2,241956E+22	2,099715E+22	2,099710E+22	2,241922E+22	2,420448E+22
-2521	2,527546E+22	2,534492E+22	2,499370E+22	2,499410E+22	2,534568E+22	2,527633E+22	2,420547E+22	2,241996E+22	2,099741E+22	2,099714E+22	2,241928E+22	2,420477E+22
-2520	2,527622E+22	2,534618E+22	2,499465E+22	2,499460E+22	2,534603E+22	2,527632E+22	2,420497E+22	2,241934E+22	2,099708E+22	2,099730E+22	2,241999E+22	2,420553E+22
-2519	2,527609E+22	2,534534E+22	2,499387E+22	2,499399E+22	2,534569E+22	2,527643E+22	2,420530E+22	2,241944E+22	2,099683E+22	2,099669E+22	2,241901E+22	2,420459E+22
-2518	2,527544E+22	2,534472E+22	2,499351E+22	2,499384E+22	2,534550E+22	2,527626E+22	2,420536E+22	2,241971E+22	2,099718E+22	2,099715E+22	2,241971E+22	2,420565E+22
-2517	2,527702E+22	2,534626E+22	2,499433E+22	2,499417E+22	2,534555E+22	2,527607E+22	2,420502E+22	2,241943E+22	2,099700E+22	2,099713E+22	2,241975E+22	2,420528E+22
-2516	2,527604E+22	2,534524E+22	2,499352E+22	2,499366E+22	2,534547E+22	2,527635E+22	2,420546E+22	2,241979E+22	2,099718E+22	2,099689E+22	2,241905E+22	2,420454E+22
-2515	2,527578E+22	2,534584E+22	2,499465E+22	2,499435E+22	2,534548E+22	2,527597E+22	2,420509E+22	2,241977E+22	2,099757E+22	2,099760E+22	2,242005E+22	2,420586E+22
-2514	2,527701E+22	2,534639E+22	2,499490E+22	2,499474E+22	2,534582E+22	2,527607E+22	2,420496E+22	2,241956E+22	2,099751E+22	2,099774E+22	2,241988E+22	2,420487E+22
-2513	2,527550E+22	2,534484E+22	2,499374E+22	2,499434E+22	2,534601E+22	2,527658E+22	2,420563E+22	2,242022E+22	2,099795E+22	2,099784E+22	2,241989E+22	2,420509E+22
-2512	2,527619E+22	2,534610E+22	2,499481E+22	2,499486E+22	2,534629E+22	2,527664E+22	2,420547E+22	2,242008E+22	2,099802E+22	2,099820E+22	2,242067E+22	2,420617E+22
-2511	2,527678E+22	2,534601E+22	2,499453E+22	2,499448E+22	2,534593E+22	2,527662E+22	2,420578E+22	2,242042E+22	2,099819E+22	2,099798E+22	2,241977E+22	2,420486E+22
-2510	2,527570E+22	2,534520E+22	2,499410E+22	2,499424E+22	2,534559E+22	2,527633E+22	2,420586E+22	2,242090E+22	2,099883E+22	2,099860E+22	2,242037E+22	2,420553E+22
-2509	2,527681E+22	2,534672E+22	2,499531E+22	2,499502E+22	2,534590E+22	2,527608E+22	2,420532E+22	2,242050E+22	2,099872E+22	2,099885E+22	2,242085E+22	2,420573E+22
-2508	2,527612E+22	2,534555E+22	2,499434E+22	2,499451E+22	2,534592E+22	2,527642E+22	2,420559E+22	2,242052E+22	2,099859E+22	2,099844E+22	2,242009E+22	2,420490E+22
-2507	2,527560E+22	2,534550E+22	2,499471E+22	2,499476E+22	2,534586E+22	2,527619E+22	2,420533E+22	2,242031E+22	2,099849E+22	2,099862E+22	2,242080E+22	2,420627E+22
-2506	2,527728E+22	2,534660E+22	2,499506E+22	2,499496E+22	2,534604E+22	2,527624E+22	2,420516E+22	2,241987E+22	2,099795E+22	2,099826E+22	2,242043E+22	2,420540E+22
-2505	2,527593E+22	2,534521E+22	2,499379E+22	2,499409E+22	2,534579E+22	2,527655E+22	2,420577E+22	2,242039E+22	2,099800E+22	2,099770E+22	2,241964E+22	2,420491E+22
-2504	2,527606E+22	2,534616E+22	2,499494E+22	2,499472E+22	2,534594E+22	2,527634E+22	2,420536E+22	2,242005E+22	2,099788E+22	2,099783E+22	2,242014E+22	2,420587E+22
-2503	2,527684E+22	2,534621E+22	2,499481E+22	2,499469E+22	2,534589E+22	2,527629E+22	2,420528E+22	2,241986E+22	2,099765E+22	2,099754E+22	2,241939E+22	2,420448E+22
-2502	2,527535E+22	2,534479E+22	2,499362E+22	2,499404E+22	2,534568E+22	2,527631E+22	2,420545E+22	2,242008E+22	2,099779E+22	2,099769E+22	2,241978E+22	2,420505E+22
-2501	2,527618E+22	2,534608E+22	2,499467E+22	2,499460E+22	2,534593E+22	2,527627E+22	2,420514E+22	2,241969E+22	2,099745E+22	2,099765E+22	2,242028E+22	2,420580E+22
-2500	2,527621E+22	2,534525E+22	2,499373E+22	2,499391E+22	2,534568E+22	2,527648E+22	2,420550E+22	2,241984E+22	2,099735E+22	2,099715E+22	2,241925E+22	2,420468E+22
-2499	2,527555E+22	2,534503E+22	2,499383E+22	2,499386E+22	2,534533E+22	2,527605E+22	2,420529E+22	2,241991E+22	2,099757E+22	2,099748E+22	2,241983E+22	2,420569E+22
-2498	2,527717E+22	2,534665E+22	2,499485E+22	2,499450E+22	2,534557E+22	2,527591E+22	2,420493E+22	2,241956E+22	2,099746E+22	2,099771E+22	2,242001E+22	2,420518E+22
-2497	2,527587E+22	2,534528E+22	2,499379E+22	2,499393E+22	2,534553E+22	2,527621E+22	2,420540E+22	2,242007E+22	2,099778E+22	2,099758E+22	2,241953E+22	2,420463E+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°
-2496	2,527557E+22	2,534571E+22	2,499477E+22	2,499475E+22	2,534598E+22	2,527622E+22	2,420512E+22	2,241990E+22	2,099795E+22	2,099806E+22	2,242036E+22	2,420602E+22
-2495	2,527695E+22	2,534627E+22	2,499493E+22	2,499496E+22	2,534617E+22	2,527642E+22	2,420526E+22	2,241989E+22	2,099792E+22	2,099807E+22	2,242005E+22	2,420506E+22
-2494	2,527569E+22	2,534492E+22	2,499365E+22	2,499411E+22	2,534582E+22	2,527654E+22	2,420581E+22	2,242061E+22	2,099845E+22	2,099828E+22	2,242016E+22	2,420523E+22
-2493	2,527630E+22	2,534633E+22	2,499508E+22	2,499488E+22	2,534599E+22	2,527638E+22	2,420566E+22	2,242068E+22	2,099868E+22	2,099865E+22	2,242076E+22	2,420607E+22
-2492	2,527667E+22	2,534604E+22	2,499475E+22	2,499468E+22	2,534591E+22	2,527646E+22	2,420581E+22	2,242086E+22	2,099896E+22	2,099872E+22	2,242011E+22	2,420476E+22
-2491	2,527547E+22	2,534530E+22	2,499450E+22	2,499458E+22	2,534568E+22	2,527612E+22	2,420560E+22	2,242091E+22	2,099921E+22	2,099915E+22	2,242080E+22	2,420571E+22
-2490	2,527680E+22	2,534677E+22	2,499557E+22	2,499535E+22	2,534617E+22	2,527618E+22	2,420522E+22	2,242038E+22	2,099893E+22	2,099934E+22	2,242129E+22	2,420594E+22
-2489	2,527613E+22	2,534547E+22	2,499432E+22	2,499453E+22	2,534598E+22	2,527651E+22	2,420574E+22	2,242073E+22	2,099888E+22	2,099880E+22	2,242042E+22	2,420517E+22
-2488	2,527574E+22	2,534552E+22	2,499469E+22	2,499487E+22	2,534613E+22	2,527640E+22	2,420551E+22	2,242053E+22	2,099871E+22	2,099872E+22	2,242073E+22	2,420623E+22
-2487	2,527739E+22	2,534678E+22	2,499524E+22	2,499507E+22	2,534617E+22	2,527644E+22	2,420545E+22	2,242029E+22	2,099840E+22	2,099844E+22	2,242031E+22	2,420525E+22
-2486	2,527594E+22	2,534537E+22	2,499399E+22	2,499407E+22	2,534558E+22	2,527633E+22	2,420576E+22	2,242069E+22	2,099853E+22	2,099822E+22	2,241990E+22	2,420484E+22
-2485	2,527580E+22	2,534605E+22	2,499517E+22	2,499494E+22	2,534588E+22	2,527614E+22	2,420538E+22	2,242040E+22	2,099838E+22	2,099832E+22	2,242041E+22	2,420584E+22
-2484	2,527655E+22	2,534587E+22	2,499471E+22	2,499481E+22	2,534607E+22	2,527641E+22	2,420536E+22	2,242008E+22	2,099812E+22	2,099813E+22	2,241986E+22	2,420466E+22
-2483	2,527529E+22	2,534475E+22	2,499365E+22	2,499398E+22	2,534560E+22	2,527625E+22	2,420540E+22	2,242009E+22	2,099795E+22	2,099796E+22	2,242008E+22	2,420537E+22
-2482	2,527650E+22	2,534628E+22	2,499477E+22	2,499456E+22	2,534586E+22	2,527623E+22	2,420517E+22	2,241978E+22	2,099772E+22	2,099799E+22	2,242044E+22	2,420587E+22
-2481	2,527641E+22	2,534554E+22	2,499394E+22	2,499385E+22	2,534544E+22	2,527627E+22	2,420554E+22	2,242021E+22	2,099789E+22	2,099763E+22	2,241947E+22	2,420469E+22
-2480	2,527554E+22	2,534519E+22	2,499417E+22	2,499425E+22	2,534555E+22	2,527597E+22	2,420518E+22	2,242008E+22	2,099800E+22	2,099788E+22	2,241991E+22	2,420553E+22
-2479	2,527701E+22	2,534669E+22	2,499522E+22	2,499503E+22	2,534602E+22	2,527611E+22	2,420500E+22	2,241979E+22	2,099792E+22	2,099815E+22	2,242024E+22	2,420523E+22
-2478	2,527581E+22	2,534525E+22	2,499391E+22	2,499407E+22	2,534565E+22	2,527628E+22	2,420546E+22	2,242026E+22	2,099819E+22	2,099813E+22	2,241999E+22	2,420485E+22
-2477	2,527549E+22	2,534555E+22	2,499484E+22	2,499487E+22	2,534599E+22	2,527633E+22	2,420549E+22	2,242041E+22	2,099842E+22	2,099844E+22	2,242056E+22	2,420609E+22
-2476	2,527694E+22	2,534615E+22	2,499485E+22	2,499497E+22	2,534627E+22	2,527662E+22	2,420563E+22	2,242047E+22	2,099863E+22	2,099866E+22	2,242032E+22	2,420504E+22
-2475	2,527568E+22	2,534517E+22	2,499393E+22	2,499406E+22	2,534558E+22	2,527635E+22	2,420583E+22	2,242094E+22	2,099903E+22	2,099883E+22	2,242042E+22	2,420527E+22
-2474	2,527634E+22	2,534652E+22	2,499545E+22	2,499511E+22	2,534594E+22	2,527617E+22	2,420552E+22	2,242085E+22	2,099929E+22	2,099941E+22	2,242118E+22	2,420606E+22
-2473	2,527654E+22	2,534599E+22	2,499488E+22	2,499484E+22	2,534590E+22	2,527625E+22	2,420566E+22	2,242106E+22	2,099953E+22	2,099946E+22	2,242073E+22	2,420503E+22
-2472	2,527542E+22	2,534514E+22	2,499451E+22	2,499488E+22	2,534605E+22	2,527623E+22	2,420549E+22	2,242087E+22	2,099939E+22	2,099947E+22	2,242110E+22	2,420597E+22
-2471	2,527696E+22	2,534679E+22	2,499564E+22	2,499552E+22	2,534642E+22	2,527645E+22	2,420544E+22	2,242057E+22	2,099909E+22	2,099943E+22	2,242137E+22	2,420615E+22
-2470	2,527644E+22	2,534570E+22	2,499440E+22	2,499438E+22	2,534577E+22	2,527644E+22	2,420586E+22	2,242099E+22	2,099916E+22	2,099899E+22	2,242049E+22	2,420517E+22
-2469	2,527582E+22	2,534577E+22	2,499505E+22	2,499498E+22	2,534591E+22	2,527628E+22	2,420575E+22	2,242102E+22	2,099917E+22	2,099896E+22	2,242061E+22	2,420590E+22
-2468	2,527717E+22	2,534676E+22	2,499547E+22	2,499536E+22	2,534631E+22	2,527646E+22	2,420557E+22	2,242069E+22	2,099902E+22	2,099903E+22	2,242050E+22	2,420495E+22
-2467	2,527559E+22	2,534536E+22	2,499426E+22	2,499431E+22	2,534568E+22	2,527628E+22	2,420566E+22	2,242077E+22	2,099888E+22	2,099870E+22	2,242028E+22	2,420497E+22
-2466	2,527572E+22	2,534590E+22	2,499523E+22	2,499512E+22	2,534606E+22	2,527626E+22	2,420538E+22	2,242043E+22	2,099870E+22	2,099885E+22	2,242083E+22	2,420602E+22
-2465	2,527653E+22	2,534565E+22	2,499451E+22	2,499466E+22	2,534597E+22	2,527640E+22	2,420552E+22	2,242040E+22	2,099852E+22	2,099858E+22	2,242029E+22	2,420497E+22
-2464	2,527549E+22	2,534476E+22	2,499360E+22	2,499402E+22	2,534569E+22	2,527627E+22	2,420545E+22	2,242029E+22	2,099824E+22	2,099818E+22	2,242015E+22	2,420542E+22
-2463	2,527672E+22	2,534659E+22	2,499507E+22	2,499468E+22	2,534580E+22	2,527619E+22	2,420526E+22	2,242009E+22	2,099815E+22	2,099828E+22	2,242049E+22	2,420581E+22
-2462	2,527645E+22	2,534576E+22	2,499428E+22	2,499398E+22	2,534525E+22	2,527594E+22	2,420537E+22	2,242037E+22	2,099837E+22	2,099820E+22	2,241984E+22	2,420470E+22
-2461	2,527538E+22	2,534519E+22	2,499453E+22	2,499465E+22	2,534565E+22	2,527591E+22	2,420521E+22	2,242033E+22	2,099843E+22	2,099836E+22	2,242019E+22	2,420550E+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	2,527679E+22	2,534644E+22	2,499521E+22	2,499528E+22	2,534638E+22	2,527641E+22	2,420521E+22	2,242006E+22	2,099839E+22	2,099869E+22	2,242062E+22	2,420531E+22
-2459	2,527576E+22	2,534527E+22	2,499401E+22	2,499410E+22	2,534569E+22	2,527638E+22	2,420562E+22	2,242048E+22	2,099850E+22	2,099846E+22	2,242026E+22	2,420509E+22
-2458	2,527572E+22	2,534567E+22	2,499495E+22	2,499490E+22	2,534596E+22	2,527636E+22	2,420565E+22	2,242075E+22	2,099895E+22	2,099894E+22	2,242075E+22	2,420602E+22
-2457	2,527693E+22	2,534626E+22	2,499501E+22	2,499495E+22	2,534603E+22	2,527643E+22	2,420576E+22	2,242099E+22	2,099938E+22	2,099935E+22	2,242071E+22	2,420508E+22
-2456	2,527562E+22	2,534520E+22	2,499419E+22	2,499445E+22	2,534577E+22	2,527622E+22	2,420571E+22	2,242115E+22	2,099956E+22	2,099940E+22	2,242072E+22	2,420528E+22
-2455	2,527630E+22	2,534657E+22	2,499571E+22	2,499547E+22	2,534622E+22	2,527628E+22	2,420555E+22	2,242104E+22	2,099971E+22	2,099988E+22	2,242157E+22	2,420628E+22
-2454	2,527662E+22	2,534602E+22	2,499499E+22	2,499492E+22	2,534591E+22	2,527623E+22	2,420566E+22	2,242117E+22	2,099984E+22	2,099991E+22	2,242120E+22	2,420537E+22
-2453	2,527557E+22	2,534518E+22	2,499465E+22	2,499501E+22	2,534604E+22	2,527631E+22	2,420580E+22	2,242124E+22	2,099969E+22	2,099964E+22	2,242114E+22	2,420597E+22
-2452	2,527704E+22	2,534686E+22	2,499570E+22	2,499561E+22	2,534654E+22	2,527664E+22	2,420577E+22	2,242105E+22	2,099961E+22	2,099978E+22	2,242142E+22	2,420594E+22
-2451	2,527639E+22	2,534603E+22	2,499479E+22	2,499449E+22	2,534562E+22	2,527629E+22	2,420590E+22	2,242127E+22	2,099959E+22	2,099936E+22	2,242061E+22	2,420504E+22
-2450	2,527568E+22	2,534579E+22	2,499536E+22	2,499530E+22	2,534597E+22	2,527615E+22	2,420566E+22	2,242121E+22	2,099973E+22	2,099960E+22	2,242091E+22	2,420571E+22
-2449	2,527680E+22	2,534650E+22	2,499546E+22	2,499549E+22	2,534638E+22	2,527640E+22	2,420554E+22	2,242091E+22	2,099954E+22	2,099970E+22	2,242109E+22	2,420521E+22
-2448	2,527548E+22	2,534503E+22	2,499406E+22	2,499442E+22	2,534591E+22	2,527635E+22	2,420560E+22	2,242076E+22	2,099905E+22	2,099900E+22	2,242058E+22	2,420522E+22
-2447	2,527590E+22	2,534588E+22	2,499510E+22	2,499506E+22	2,534607E+22	2,527638E+22	2,420556E+22	2,242063E+22	2,099888E+22	2,099897E+22	2,242100E+22	2,420628E+22
-2446	2,527687E+22	2,534591E+22	2,499455E+22	2,499444E+22	2,534559E+22	2,527611E+22	2,420549E+22	2,242061E+22	2,099884E+22	2,099885E+22	2,242047E+22	2,420508E+22
-2445	2,527565E+22	2,534504E+22	2,499398E+22	2,499417E+22	2,534544E+22	2,527603E+22	2,420553E+22	2,242061E+22	2,099862E+22	2,099844E+22	2,242012E+22	2,420520E+22
-2444	2,527657E+22	2,534665E+22	2,499541E+22	2,499512E+22	2,534604E+22	2,527621E+22	2,420529E+22	2,242035E+22	2,099866E+22	2,099882E+22	2,242074E+22	2,420561E+22
-2443	2,527621E+22	2,534588E+22	2,499465E+22	2,499435E+22	2,534546E+22	2,527598E+22	2,420530E+22	2,242039E+22	2,099864E+22	2,099861E+22	2,242020E+22	2,420483E+22
-2442	2,527532E+22	2,534509E+22	2,499466E+22	2,499494E+22	2,534594E+22	2,527615E+22	2,420534E+22	2,242051E+22	2,099884E+22	2,099887E+22	2,242051E+22	2,420554E+22
-2441	2,527670E+22	2,534627E+22	2,499508E+22	2,499526E+22	2,534641E+22	2,527656E+22	2,420556E+22	2,242060E+22	2,099899E+22	2,099922E+22	2,242099E+22	2,420551E+22
-2440	2,527587E+22	2,534523E+22	2,499396E+22	2,499418E+22	2,534577E+22	2,527643E+22	2,420582E+22	2,242093E+22	2,099907E+22	2,099888E+22	2,242039E+22	2,420508E+22
-2439	2,527583E+22	2,534590E+22	2,499519E+22	2,499500E+22	2,534587E+22	2,527630E+22	2,420584E+22	2,242126E+22	2,099962E+22	2,099948E+22	2,242105E+22	2,420606E+22
-2438	2,527690E+22	2,534638E+22	2,499527E+22	2,499506E+22	2,534579E+22	2,527602E+22	2,420558E+22	2,242126E+22	2,100002E+22	2,100011E+22	2,242131E+22	2,420529E+22
-2437	2,527557E+22	2,534521E+22	2,499446E+22	2,499474E+22	2,534580E+22	2,527612E+22	2,420570E+22	2,242133E+22	2,099997E+22	2,099992E+22	2,242112E+22	2,420545E+22
-2436	2,527627E+22	2,534650E+22	2,499577E+22	2,499571E+22	2,534648E+22	2,527646E+22	2,420566E+22	2,242121E+22	2,100008E+22	2,100035E+22	2,242192E+22	2,420640E+22
-2435	2,527674E+22	2,534628E+22	2,499521E+22	2,499501E+22	2,534590E+22	2,527624E+22	2,420572E+22	2,242130E+22	2,100003E+22	2,100010E+22	2,242134E+22	2,420553E+22
-2434	2,527583E+22	2,534549E+22	2,499494E+22	2,499520E+22	2,534608E+22	2,527632E+22	2,420587E+22	2,242153E+22	2,100016E+22	2,099999E+22	2,242113E+22	2,420571E+22
-2433	2,527688E+22	2,534694E+22	2,499590E+22	2,499574E+22	2,534648E+22	2,527654E+22	2,420591E+22	2,242152E+22	2,100025E+22	2,100031E+22	2,242162E+22	2,420582E+22
-2432	2,527613E+22	2,534586E+22	2,499495E+22	2,499495E+22	2,534594E+22	2,527629E+22	2,420586E+22	2,242146E+22	2,100002E+22	2,099981E+22	2,242083E+22	2,420498E+22
-2431	2,527550E+22	2,534566E+22	2,499537E+22	2,499552E+22	2,534621E+22	2,527633E+22	2,420578E+22	2,242140E+22	2,100004E+22	2,099997E+22	2,242131E+22	2,420592E+22
-2430	2,527670E+22	2,534629E+22	2,499529E+22	2,499536E+22	2,534624E+22	2,527632E+22	2,420557E+22	2,242104E+22	2,099982E+22	2,100010E+22	2,242158E+22	2,420561E+22
-2429	2,527565E+22	2,534503E+22	2,499401E+22	2,499433E+22	2,534574E+22	2,527633E+22	2,420582E+22	2,242105E+22	2,099931E+22	2,099917E+22	2,242067E+22	2,420531E+22
-2428	2,527608E+22	2,534606E+22	2,499513E+22	2,499500E+22	2,534598E+22	2,527634E+22	2,420569E+22	2,242098E+22	2,099935E+22	2,099932E+22	2,242107E+22	2,420613E+22
-2427	2,527693E+22	2,534637E+22	2,499499E+22	2,499457E+22	2,534537E+22	2,527580E+22	2,420534E+22	2,242074E+22	2,099918E+22	2,099918E+22	2,242062E+22	2,420506E+22
-2426	2,527562E+22	2,534521E+22	2,499439E+22	2,499463E+22	2,534560E+22	2,527586E+22	2,420530E+22	2,242071E+22	2,099910E+22	2,099897E+22	2,242036E+22	2,420503E+22
-2425	2,527623E+22	2,534645E+22	2,499547E+22	2,499539E+22	2,534628E+22	2,527630E+22	2,420535E+22	2,242058E+22	2,099912E+22	2,099936E+22	2,242121E+22	2,420581E+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	2,527609E+22	2,534560E+22	2,499459E+22	2,499467E+22	2,534584E+22	2,527622E+22	2,420545E+22	2,242056E+22	2,099889E+22	2,099890E+22	2,242043E+22	2,420499E+22
-2423	2,527546E+22	2,534513E+22	2,499459E+22	2,499494E+22	2,534602E+22	2,527638E+22	2,420574E+22	2,242097E+22	2,099925E+22	2,099913E+22	2,242071E+22	2,420567E+22
-2422	2,527679E+22	2,534643E+22	2,499515E+22	2,499510E+22	2,534608E+22	2,527634E+22	2,420567E+22	2,242108E+22	2,099964E+22	2,099977E+22	2,242132E+22	2,420561E+22
-2421	2,527593E+22	2,534545E+22	2,499429E+22	2,499433E+22	2,534555E+22	2,527621E+22	2,420593E+22	2,242139E+22	2,099975E+22	2,099946E+22	2,242061E+22	2,420496E+22
-2420	2,527569E+22	2,534596E+22	2,499544E+22	2,499537E+22	2,534604E+22	2,527623E+22	2,420582E+22	2,242158E+22	2,100032E+22	2,100025E+22	2,242152E+22	2,420606E+22
-2419	2,527680E+22	2,534659E+22	2,499560E+22	2,499536E+22	2,534591E+22	2,527595E+22	2,420544E+22	2,242129E+22	2,100034E+22	2,100062E+22	2,242182E+22	2,420564E+22
-2418	2,527567E+22	2,534525E+22	2,499466E+22	2,499506E+22	2,534604E+22	2,527621E+22	2,420570E+22	2,242147E+22	2,100035E+22	2,100035E+22	2,242141E+22	2,420556E+22
-2417	2,527630E+22	2,534649E+22	2,499579E+22	2,499580E+22	2,534658E+22	2,527660E+22	2,420593E+22	2,242164E+22	2,100056E+22	2,100074E+22	2,242217E+22	2,420656E+22
-2416	2,527684E+22	2,534635E+22	2,499533E+22	2,499524E+22	2,534605E+22	2,527629E+22	2,420586E+22	2,242161E+22	2,100044E+22	2,100036E+22	2,242131E+22	2,420536E+22
-2415	2,527579E+22	2,534566E+22	2,499518E+22	2,499539E+22	2,534612E+22	2,527634E+22	2,420607E+22	2,242196E+22	2,100069E+22	2,100041E+22	2,242133E+22	2,420559E+22
-2414	2,527656E+22	2,534684E+22	2,499602E+22	2,499587E+22	2,534638E+22	2,527628E+22	2,420579E+22	2,242176E+22	2,100081E+22	2,100094E+22	2,242212E+22	2,420598E+22
-2413	2,527595E+22	2,534565E+22	2,499491E+22	2,499501E+22	2,534596E+22	2,527630E+22	2,420593E+22	2,242162E+22	2,100036E+22	2,100021E+22	2,242116E+22	2,420516E+22
-2412	2,527547E+22	2,534548E+22	2,499516E+22	2,499546E+22	2,534629E+22	2,527645E+22	2,420592E+22	2,242159E+22	2,100034E+22	2,100033E+22	2,242161E+22	2,420610E+22
-2411	2,527690E+22	2,534658E+22	2,499533E+22	2,499519E+22	2,534597E+22	2,527612E+22	2,420552E+22	2,242112E+22	2,099995E+22	2,100022E+22	2,242171E+22	2,420584E+22
-2410	2,527596E+22	2,534543E+22	2,499432E+22	2,499443E+22	2,534559E+22	2,527609E+22	2,420568E+22	2,242122E+22	2,099971E+22	2,099944E+22	2,242062E+22	2,420510E+22
-2409	2,527599E+22	2,534626E+22	2,499547E+22	2,499524E+22	2,534596E+22	2,527616E+22	2,420564E+22	2,242125E+22	2,099985E+22	2,099978E+22	2,242126E+22	2,420604E+22
-2408	2,527673E+22	2,534631E+22	2,499528E+22	2,499518E+22	2,534580E+22	2,527583E+22	2,420523E+22	2,242080E+22	2,099949E+22	2,099952E+22	2,242077E+22	2,420499E+22
-2407	2,527547E+22	2,534519E+22	2,499454E+22	2,499499E+22	2,534601E+22	2,527619E+22	2,420554E+22	2,242096E+22	2,099942E+22	2,099932E+22	2,242071E+22	2,420517E+22
-2406	2,527601E+22	2,534624E+22	2,499539E+22	2,499541E+22	2,534631E+22	2,527638E+22	2,420557E+22	2,242095E+22	2,099959E+22	2,099981E+22	2,242159E+22	2,420608E+22
-2405	2,527618E+22	2,534557E+22	2,499452E+22	2,499460E+22	2,534580E+22	2,527637E+22	2,420586E+22	2,242110E+22	2,099945E+22	2,099929E+22	2,242058E+22	2,420502E+22
-2404	2,527552E+22	2,534527E+22	2,499462E+22	2,499488E+22	2,534593E+22	2,527639E+22	2,420599E+22	2,242154E+22	2,100003E+22	2,099980E+22	2,242098E+22	2,420557E+22
-2403	2,527673E+22	2,534676E+22	2,499550E+22	2,499520E+22	2,534583E+22	2,527597E+22	2,420553E+22	2,242133E+22	2,100025E+22	2,100044E+22	2,242177E+22	2,420580E+22
-2402	2,527594E+22	2,534561E+22	2,499468E+22	2,499475E+22	2,534567E+22	2,527594E+22	2,420560E+22	2,242151E+22	2,100040E+22	2,100022E+22	2,242109E+22	2,420506E+22
-2401	2,527555E+22	2,534586E+22	2,499550E+22	2,499558E+22	2,534622E+22	2,527623E+22	2,420574E+22	2,242171E+22	2,100076E+22	2,100085E+22	2,242208E+22	2,420643E+22
-2400	2,527686E+22	2,534647E+22	2,499565E+22	2,499571E+22	2,534624E+22	2,527610E+22	2,420550E+22	2,242137E+22	2,100052E+22	2,100082E+22	2,242198E+22	2,420585E+22
-2399	2,527595E+22	2,534553E+22	2,499482E+22	2,499518E+22	2,534615E+22	2,527641E+22	2,420603E+22	2,242185E+22	2,100063E+22	2,100048E+22	2,242147E+22	2,420557E+22
-2398	2,527627E+22	2,534665E+22	2,499598E+22	2,499580E+22	2,534638E+22	2,527644E+22	2,420606E+22	2,242208E+22	2,100113E+22	2,100114E+22	2,242228E+22	2,420649E+22
-2397	2,527675E+22	2,534646E+22	2,499562E+22	2,499545E+22	2,534607E+22	2,527629E+22	2,420605E+22	2,242202E+22	2,100102E+22	2,100084E+22	2,242142E+22	2,420513E+22
-2396	2,527552E+22	2,534558E+22	2,499526E+22	2,499561E+22	2,534634E+22	2,527644E+22	2,420615E+22	2,242227E+22	2,100129E+22	2,100108E+22	2,242171E+22	2,420553E+22
-2395	2,527634E+22	2,534683E+22	2,499607E+22	2,499591E+22	2,534639E+22	2,527624E+22	2,420573E+22	2,242181E+22	2,100108E+22	2,100136E+22	2,242256E+22	2,420635E+22
-2394	2,527607E+22	2,534563E+22	2,499492E+22	2,499508E+22	2,534598E+22	2,527622E+22	2,420585E+22	2,242178E+22	2,100075E+22	2,100058E+22	2,242137E+22	2,420531E+22
-2393	2,527556E+22	2,534550E+22	2,499508E+22	2,499534E+22	2,534617E+22	2,527637E+22	2,420602E+22	2,242191E+22	2,100075E+22	2,100066E+22	2,242180E+22	2,420627E+22
-2392	2,527704E+22	2,534673E+22	2,499556E+22	2,499540E+22	2,534597E+22	2,527598E+22	2,420548E+22	2,242130E+22	2,100026E+22	2,100043E+22	2,242167E+22	2,420572E+22
-2391	2,527599E+22	2,534574E+22	2,499473E+22	2,499474E+22	2,534566E+22	2,527603E+22	2,420572E+22	2,242145E+22	2,100005E+22	2,099978E+22	2,242082E+22	2,420500E+22
-2390	2,527566E+22	2,534618E+22	2,499567E+22	2,499552E+22	2,534606E+22	2,527603E+22	2,420551E+22	2,242138E+22	2,100028E+22	2,100030E+22	2,242166E+22	2,420619E+22
-2389	2,527658E+22	2,534614E+22	2,499530E+22	2,499533E+22	2,534606E+22	2,527610E+22	2,420542E+22	2,242096E+22	2,099980E+22	2,099988E+22	2,242100E+22	2,420507E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ⊙												
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
-2388	2,527541E+22	2,534505E+22	2,499438E+22	2,499499E+22	2,534620E+22	2,527648E+22	2,420587E+22	2,242135E+22	2,099989E+22	2,099977E+22	2,242096E+22	2,420525E+22
-2387	2,527610E+22	2,534643E+22	2,499542E+22	2,499527E+22	2,534611E+22	2,527627E+22	2,420568E+22	2,242129E+22	2,100002E+22	2,100018E+22	2,242180E+22	2,420627E+22
-2386	2,527635E+22	2,534583E+22	2,499477E+22	2,499467E+22	2,534563E+22	2,527608E+22	2,420577E+22	2,242150E+22	2,100019E+22	2,099988E+22	2,242075E+22	2,420491E+22
-2385	2,527539E+22	2,534535E+22	2,499488E+22	2,499508E+22	2,534589E+22	2,527616E+22	2,420593E+22	2,242189E+22	2,100072E+22	2,100053E+22	2,242146E+22	2,420572E+22
-2384	2,527663E+22	2,534671E+22	2,499578E+22	2,499568E+22	2,534610E+22	2,527589E+22	2,420535E+22	2,242137E+22	2,100061E+22	2,100093E+22	2,242212E+22	2,420595E+22
-2383	2,527596E+22	2,534571E+22	2,499490E+22	2,499505E+22	2,534597E+22	2,527615E+22	2,420573E+22	2,242166E+22	2,100064E+22	2,100059E+22	2,242151E+22	2,420532E+22
-2382	2,527553E+22	2,534583E+22	2,499557E+22	2,499569E+22	2,534629E+22	2,527627E+22	2,420587E+22	2,242199E+22	2,100115E+22	2,100122E+22	2,242236E+22	2,420670E+22
-2381	2,527708E+22	2,534661E+22	2,499572E+22	2,499570E+22	2,534631E+22	2,527633E+22	2,420587E+22	2,242183E+22	2,100100E+22	2,100110E+22	2,242194E+22	2,420571E+22
-2380	2,527596E+22	2,534575E+22	2,499502E+22	2,499526E+22	2,534618E+22	2,527651E+22	2,420634E+22	2,242243E+22	2,100138E+22	2,100106E+22	2,242158E+22	2,420531E+22
-2379	2,527605E+22	2,534682E+22	2,499632E+22	2,499598E+22	2,534624E+22	2,527617E+22	2,420599E+22	2,242239E+22	2,100172E+22	2,100174E+22	2,242262E+22	2,420650E+22
-2378	2,527657E+22	2,534639E+22	2,499583E+22	2,499577E+22	2,534619E+22	2,527610E+22	2,420582E+22	2,242221E+22	2,100165E+22	2,100153E+22	2,242184E+22	2,420519E+22
-2377	2,527529E+22	2,534533E+22	2,499514E+22	2,499561E+22	2,534642E+22	2,527647E+22	2,420616E+22	2,242242E+22	2,100169E+22	2,100163E+22	2,242224E+22	2,420592E+22
-2376	2,527642E+22	2,534665E+22	2,499600E+22	2,499599E+22	2,534646E+22	2,527625E+22	2,420573E+22	2,242185E+22	2,100120E+22	2,100151E+22	2,242268E+22	2,420658E+22
-2375	2,527643E+22	2,534595E+22	2,499509E+22	2,499508E+22	2,534592E+22	2,527623E+22	2,420598E+22	2,242200E+22	2,100093E+22	2,100071E+22	2,242147E+22	2,420535E+22
-2374	2,527560E+22	2,534572E+22	2,499537E+22	2,499540E+22	2,534596E+22	2,527609E+22	2,420592E+22	2,242213E+22	2,100117E+22	2,100100E+22	2,242190E+22	2,420624E+22
-2373	2,527703E+22	2,534687E+22	2,499590E+22	2,499569E+22	2,534613E+22	2,527604E+22	2,420554E+22	2,242149E+22	2,100064E+22	2,100079E+22	2,242173E+22	2,420550E+22
-2372	2,527576E+22	2,534571E+22	2,499493E+22	2,499508E+22	2,534605E+22	2,527628E+22	2,420586E+22	2,242169E+22	2,100050E+22	2,100030E+22	2,242110E+22	2,420492E+22
-2371	2,527542E+22	2,534607E+22	2,499573E+22	2,499563E+22	2,534619E+22	2,527616E+22	2,420563E+22	2,242152E+22	2,100054E+22	2,100066E+22	2,242198E+22	2,420644E+22
-2370	2,527664E+22	2,534608E+22	2,499531E+22	2,499542E+22	2,534617E+22	2,527617E+22	2,420554E+22	2,242133E+22	2,100034E+22	2,100031E+22	2,242120E+22	2,420516E+22
-2369	2,527545E+22	2,534503E+22	2,499426E+22	2,499476E+22	2,534605E+22	2,527647E+22	2,420609E+22	2,242183E+22	2,100052E+22	2,100030E+22	2,242125E+22	2,420538E+22
-2368	2,527614E+22	2,534645E+22	2,499560E+22	2,499537E+22	2,534598E+22	2,527608E+22	2,420567E+22	2,242159E+22	2,100056E+22	2,100065E+22	2,242196E+22	2,420626E+22
-2367	2,527641E+22	2,534609E+22	2,499518E+22	2,499496E+22	2,534562E+22	2,527588E+22	2,420569E+22	2,242173E+22	2,100067E+22	2,100049E+22	2,242122E+22	2,420500E+22
-2366	2,527517E+22	2,534526E+22	2,499507E+22	2,499531E+22	2,534591E+22	2,527593E+22	2,420568E+22	2,242197E+22	2,100119E+22	2,100116E+22	2,242200E+22	2,420605E+22
-2365	2,527670E+22	2,534667E+22	2,499586E+22	2,499582E+22	2,534633E+22	2,527615E+22	2,420548E+22	2,242147E+22	2,100088E+22	2,100129E+22	2,242238E+22	2,420612E+22
-2364	2,527610E+22	2,534582E+22	2,499501E+22	2,499516E+22	2,534614E+22	2,527640E+22	2,420604E+22	2,242202E+22	2,100106E+22	2,100095E+22	2,242163E+22	2,420532E+22
-2363	2,527567E+22	2,534614E+22	2,499581E+22	2,499570E+22	2,534618E+22	2,527622E+22	2,420602E+22	2,242234E+22	2,100159E+22	2,100153E+22	2,242241E+22	2,420666E+22
-2362	2,527716E+22	2,534690E+22	2,499614E+22	2,499599E+22	2,534631E+22	2,527614E+22	2,420585E+22	2,242229E+22	2,100178E+22	2,100167E+22	2,242202E+22	2,420543E+22
-2361	2,527566E+22	2,534569E+22	2,499524E+22	2,499551E+22	2,534629E+22	2,527646E+22	2,420640E+22	2,242284E+22	2,100211E+22	2,100182E+22	2,242205E+22	2,420535E+22
-2360	2,527576E+22	2,534651E+22	2,499645E+22	2,499637E+22	2,534652E+22	2,527622E+22	2,420596E+22	2,242251E+22	2,100211E+22	2,100226E+22	2,242300E+22	2,420667E+22
-2359	2,527656E+22	2,534633E+22	2,499590E+22	2,499591E+22	2,534635E+22	2,527627E+22	2,420598E+22	2,242238E+22	2,100188E+22	2,100194E+22	2,242235E+22	2,420551E+22
-2358	2,527531E+22	2,534521E+22	2,499506E+22	2,499553E+22	2,534629E+22	2,527638E+22	2,420621E+22	2,242264E+22	2,100202E+22	2,100198E+22	2,242256E+22	2,420627E+22
-2357	2,527676E+22	2,534684E+22	2,499602E+22	2,499582E+22	2,534637E+22	2,527636E+22	2,420591E+22	2,242210E+22	2,100152E+22	2,100174E+22	2,242267E+22	2,420647E+22
-2356	2,527652E+22	2,534625E+22	2,499541E+22	2,499519E+22	2,534589E+22	2,527620E+22	2,420610E+22	2,242234E+22	2,100143E+22	2,100115E+22	2,242154E+22	2,420513E+22
-2355	2,527551E+22	2,534592E+22	2,499575E+22	2,499568E+22	2,534594E+22	2,527586E+22	2,420575E+22	2,242221E+22	2,100151E+22	2,100142E+22	2,242214E+22	2,420624E+22
-2354	2,527690E+22	2,534680E+22	2,499608E+22	2,499603E+22	2,534637E+22	2,527597E+22	2,420536E+22	2,242160E+22	2,100108E+22	2,100123E+22	2,242197E+22	2,420549E+22
-2353	2,527554E+22	2,534543E+22	2,499482E+22	2,499510E+22	2,534621E+22	2,527649E+22	2,420605E+22	2,242192E+22	2,100085E+22	2,100073E+22	2,242149E+22	2,420520E+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°
-2352	2,527543E+22	2,534582E+22	2,499565E+22	2,499567E+22	2,534620E+22	2,527623E+22	2,420579E+22	2,242175E+22	2,100078E+22	2,100084E+22	2,242204E+22	2,420648E+22
-2351	2,527683E+22	2,534631E+22	2,499545E+22	2,499536E+22	2,534601E+22	2,527614E+22	2,420575E+22	2,242169E+22	2,100070E+22	2,100066E+22	2,242142E+22	2,420514E+22
-2350	2,527538E+22	2,534515E+22	2,499452E+22	2,499479E+22	2,534577E+22	2,527612E+22	2,420598E+22	2,242215E+22	2,100114E+22	2,100091E+22	2,242156E+22	2,420545E+22
-2349	2,527619E+22	2,534657E+22	2,499584E+22	2,499554E+22	2,534605E+22	2,527606E+22	2,420562E+22	2,242177E+22	2,100106E+22	2,100121E+22	2,242224E+22	2,420620E+22
-2348	2,527634E+22	2,534615E+22	2,499545E+22	2,499529E+22	2,534591E+22	2,527603E+22	2,420575E+22	2,242194E+22	2,100115E+22	2,100109E+22	2,242162E+22	2,420511E+22
-2347	2,527518E+22	2,534532E+22	2,499528E+22	2,499552E+22	2,534602E+22	2,527596E+22	2,420572E+22	2,242209E+22	2,100146E+22	2,100153E+22	2,242233E+22	2,420633E+22
-2346	2,527689E+22	2,534677E+22	2,499605E+22	2,499606E+22	2,534649E+22	2,527617E+22	2,420560E+22	2,242189E+22	2,100144E+22	2,100167E+22	2,242250E+22	2,420608E+22
-2345	2,527612E+22	2,534592E+22	2,499515E+22	2,499520E+22	2,534617E+22	2,527654E+22	2,420636E+22	2,242257E+22	2,100174E+22	2,100152E+22	2,242188E+22	2,420530E+22
-2344	2,527553E+22	2,534611E+22	2,499613E+22	2,499601E+22	2,534619E+22	2,527616E+22	2,420613E+22	2,242274E+22	2,100220E+22	2,100208E+22	2,242258E+22	2,420647E+22
-2343	2,527700E+22	2,534698E+22	2,499649E+22	2,499634E+22	2,534645E+22	2,527612E+22	2,420590E+22	2,242259E+22	2,100231E+22	2,100239E+22	2,242260E+22	2,420551E+22
-2342	2,527537E+22	2,534542E+22	2,499524E+22	2,499562E+22	2,534631E+22	2,527635E+22	2,420628E+22	2,242300E+22	2,100262E+22	2,100250E+22	2,242266E+22	2,420577E+22
-2341	2,527588E+22	2,534635E+22	2,499626E+22	2,499625E+22	2,534661E+22	2,527646E+22	2,420611E+22	2,242265E+22	2,100238E+22	2,100261E+22	2,242330E+22	2,420691E+22
-2340	2,527683E+22	2,534647E+22	2,499592E+22	2,499586E+22	2,534632E+22	2,527635E+22	2,420620E+22	2,242269E+22	2,100222E+22	2,100222E+22	2,242248E+22	2,420561E+22
-2339	2,527560E+22	2,534555E+22	2,499528E+22	2,499548E+22	2,534602E+22	2,527612E+22	2,420616E+22	2,242281E+22	2,100228E+22	2,100216E+22	2,242259E+22	2,420626E+22
-2338	2,527692E+22	2,534719E+22	2,499650E+22	2,499615E+22	2,534634E+22	2,527606E+22	2,420576E+22	2,242237E+22	2,100203E+22	2,100210E+22	2,242269E+22	2,420620E+22
-2337	2,527629E+22	2,534627E+22	2,499569E+22	2,499551E+22	2,534606E+22	2,527621E+22	2,420609E+22	2,242252E+22	2,100186E+22	2,100164E+22	2,242184E+22	2,420507E+22
-2336	2,527518E+22	2,534563E+22	2,499590E+22	2,499605E+22	2,534625E+22	2,527602E+22	2,420579E+22	2,242228E+22	2,100171E+22	2,100169E+22	2,242232E+22	2,420621E+22
-2335	2,527682E+22	2,534672E+22	2,499616E+22	2,499622E+22	2,534659E+22	2,527623E+22	2,420563E+22	2,242182E+22	2,100126E+22	2,100154E+22	2,242232E+22	2,420563E+22
-2334	2,527547E+22	2,534522E+22	2,499464E+22	2,499496E+22	2,534606E+22	2,527645E+22	2,420622E+22	2,242231E+22	2,100132E+22	2,100113E+22	2,242176E+22	2,420542E+22
-2333	2,527566E+22	2,534588E+22	2,49954E+22	2,499542E+22	2,534606E+22	2,527632E+22	2,420603E+22	2,242215E+22	2,100130E+22	2,100125E+22	2,242215E+22	2,420636E+22
-2332	2,527685E+22	2,534653E+22	2,499575E+22	2,499545E+22	2,534585E+22	2,527598E+22	2,420583E+22	2,242211E+22	2,100137E+22	2,100130E+22	2,242171E+22	2,420506E+22
-2331	2,527532E+22	2,534527E+22	2,499484E+22	2,499506E+22	2,534569E+22	2,527577E+22	2,420570E+22	2,242220E+22	2,100156E+22	2,100150E+22	2,242203E+22	2,420564E+22
-2330	2,527622E+22	2,534661E+22	2,499610E+22	2,499592E+22	2,534624E+22	2,527590E+22	2,420539E+22	2,242185E+22	2,100151E+22	2,100174E+22	2,242263E+22	2,420634E+22
-2329	2,527631E+22	2,534607E+22	2,499549E+22	2,499545E+22	2,534612E+22	2,527623E+22	2,420591E+22	2,242214E+22	2,100150E+22	2,100153E+22	2,242202E+22	2,420538E+22
-2328	2,527528E+22	2,534532E+22	2,499545E+22	2,499575E+22	2,534614E+22	2,527609E+22	2,420594E+22	2,242239E+22	2,100177E+22	2,100173E+22	2,242235E+22	2,420628E+22
-2327	2,527704E+22	2,534709E+22	2,499641E+22	2,499626E+22	2,534654E+22	2,527626E+22	2,420589E+22	2,242234E+22	2,100192E+22	2,100210E+22	2,242270E+22	2,420594E+22
-2326	2,527591E+22	2,534593E+22	2,499543E+22	2,499543E+22	2,534610E+22	2,527638E+22	2,420644E+22	2,242305E+22	2,100249E+22	2,100222E+22	2,242226E+22	2,420534E+22
-2325	2,527546E+22	2,534601E+22	2,499618E+22	2,499617E+22	2,534641E+22	2,527635E+22	2,420626E+22	2,242305E+22	2,100280E+22	2,100274E+22	2,242298E+22	2,420643E+22
-2324	2,527680E+22	2,534689E+22	2,499658E+22	2,499653E+22	2,534665E+22	2,527631E+22	2,420610E+22	2,242291E+22	2,100285E+22	2,100302E+22	2,242309E+22	2,420577E+22
-2323	2,527547E+22	2,534542E+22	2,499526E+22	2,499564E+22	2,534624E+22	2,527626E+22	2,420629E+22	2,242315E+22	2,100292E+22	2,100288E+22	2,242306E+22	2,420616E+22
-2322	2,527624E+22	2,534655E+22	2,499632E+22	2,499625E+22	2,534647E+22	2,527623E+22	2,420609E+22	2,242298E+22	2,100284E+22	2,100289E+22	2,242337E+22	2,420690E+22
-2321	2,527695E+22	2,534672E+22	2,499609E+22	2,499586E+22	2,534619E+22	2,527627E+22	2,420630E+22	2,242304E+22	2,100271E+22	2,100261E+22	2,242264E+22	2,420557E+22
-2320	2,527552E+22	2,534569E+22	2,499576E+22	2,499586E+22	2,534598E+22	2,527590E+22	2,420607E+22	2,242297E+22	2,100261E+22	2,100244E+22	2,242262E+22	2,420601E+22
-2319	2,527672E+22	2,534727E+22	2,499687E+22	2,499660E+22	2,534656E+22	2,527605E+22	2,420571E+22	2,242244E+22	2,100228E+22	2,100253E+22	2,242306E+22	2,420615E+22
-2318	2,527591E+22	2,534596E+22	2,499568E+22	2,499571E+22	2,534623E+22	2,527627E+22	2,420609E+22	2,242263E+22	2,100218E+22	2,100208E+22	2,242225E+22	2,420535E+22
-2317	2,527524E+22	2,534539E+22	2,499558E+22	2,499591E+22	2,534640E+22	2,527638E+22	2,420606E+22	2,242248E+22	2,100195E+22	2,100194E+22	2,242246E+22	2,420622E+22

1 Years	Longitude $\odot$											
	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2316	2,527687E+22	2,534677E+22	2,499611E+22	2,499612E+22	2,534653E+22	2,527633E+22	2,420594E+22	2,242226E+22	2,100172E+22	2,100185E+22	2,242242E+22	2,420566E+22
-2315	2,527565E+22	2,534546E+22	2,499478E+22	2,499489E+22	2,534573E+22	2,527610E+22	2,420615E+22	2,242258E+22	2,100178E+22	2,100152E+22	2,242195E+22	2,420547E+22
-2314	2,527577E+22	2,534613E+22	2,499588E+22	2,499567E+22	2,534591E+22	2,527588E+22	2,420583E+22	2,242248E+22	2,100193E+22	2,100180E+22	2,242239E+22	2,420625E+22
-2313	2,527667E+22	2,534655E+22	2,499598E+22	2,499576E+22	2,534602E+22	2,527595E+22	2,420577E+22	2,242229E+22	2,100185E+22	2,100193E+22	2,242225E+22	2,420525E+22
-2312	2,527516E+22	2,534515E+22	2,499511E+22	2,499548E+22	2,534595E+22	2,527587E+22	2,420570E+22	2,242224E+22	2,100176E+22	2,100180E+22	2,242232E+22	2,420579E+22
-2311	2,527629E+22	2,534671E+22	2,499632E+22	2,499624E+22	2,534652E+22	2,527616E+22	2,420565E+22	2,242206E+22	2,100171E+22	2,100207E+22	2,242298E+22	2,420650E+22
-2310	2,527634E+22	2,534606E+22	2,499552E+22	2,499552E+22	2,534614E+22	2,527631E+22	2,420616E+22	2,242260E+22	2,100206E+22	2,100196E+22	2,242224E+22	2,420550E+22
-2309	2,527547E+22	2,534547E+22	2,499547E+22	2,499569E+22	2,534619E+22	2,527632E+22	2,420628E+22	2,242294E+22	2,100245E+22	2,100224E+22	2,242245E+22	2,420601E+22
-2308	2,527687E+22	2,534725E+22	2,499676E+22	2,499654E+22	2,534656E+22	2,527623E+22	2,420611E+22	2,242293E+22	2,100275E+22	2,100283E+22	2,242303E+22	2,420589E+22
-2307	2,527576E+22	2,534586E+22	2,499557E+22	2,499564E+22	2,534606E+22	2,527610E+22	2,420627E+22	2,242327E+22	2,100309E+22	2,100294E+22	2,242284E+22	2,420562E+22
-2306	2,527547E+22	2,534595E+22	2,499621E+22	2,499633E+22	2,534645E+22	2,527617E+22	2,420617E+22	2,242329E+22	2,100332E+22	2,100332E+22	2,242345E+22	2,420668E+22
-2305	2,527685E+22	2,534685E+22	2,499651E+22	2,499647E+22	2,534662E+22	2,527635E+22	2,420622E+22	2,242313E+22	2,100319E+22	2,100343E+22	2,242350E+22	2,420608E+22
-2304	2,527563E+22	2,534557E+22	2,499546E+22	2,499571E+22	2,534611E+22	2,527613E+22	2,420630E+22	2,242331E+22	2,100312E+22	2,100299E+22	2,242304E+22	2,420613E+22
-2303	2,527644E+22	2,534701E+22	2,499681E+22	2,499653E+22	2,534645E+22	2,527610E+22	2,420609E+22	2,242315E+22	2,100314E+22	2,100321E+22	2,242350E+22	2,420673E+22
-2302	2,527676E+22	2,534677E+22	2,499642E+22	2,499620E+22	2,534623E+22	2,527607E+22	2,420620E+22	2,242325E+22	2,100319E+22	2,100308E+22	2,242286E+22	2,420553E+22
-2301	2,527539E+22	2,534561E+22	2,499578E+22	2,499612E+22	2,534639E+22	2,527620E+22	2,420616E+22	2,242312E+22	2,100296E+22	2,100284E+22	2,242280E+22	2,420585E+22
-2300	2,527639E+22	2,534712E+22	2,499694E+22	2,499684E+22	2,534686E+22	2,527636E+22	2,420601E+22	2,242276E+22	2,100266E+22	2,100288E+22	2,242330E+22	2,420627E+22
-2299	2,527588E+22	2,534578E+22	2,499554E+22	2,499568E+22	2,534619E+22	2,527627E+22	2,420623E+22	2,242289E+22	2,100250E+22	2,100238E+22	2,242253E+22	2,420562E+22
-2298	2,527546E+22	2,534548E+22	2,499547E+22	2,499578E+22	2,534622E+22	2,527620E+22	2,420618E+22	2,242295E+22	2,100250E+22	2,100230E+22	2,242259E+22	2,420619E+22
-2297	2,527685E+22	2,534690E+22	2,499616E+22	2,499601E+22	2,534631E+22	2,527621E+22	2,420605E+22	2,242266E+22	2,100232E+22	2,100240E+22	2,242274E+22	2,420571E+22
-2296	2,527553E+22	2,534557E+22	2,499518E+22	2,499518E+22	2,534562E+22	2,527578E+22	2,420595E+22	2,242271E+22	2,100219E+22	2,100197E+22	2,242221E+22	2,420547E+22
-2295	2,527571E+22	2,534629E+22	2,499624E+22	2,499609E+22	2,534611E+22	2,527576E+22	2,420562E+22	2,242243E+22	2,100221E+22	2,100234E+22	2,242291E+22	2,420641E+22
-2294	2,527652E+22	2,534640E+22	2,499601E+22	2,499598E+22	2,534620E+22	2,527598E+22	2,420575E+22	2,242238E+22	2,100217E+22	2,100236E+22	2,242268E+22	2,420565E+22
-2293	2,527541E+22	2,534518E+22	2,499498E+22	2,499549E+22	2,534620E+22	2,527624E+22	2,420600E+22	2,242251E+22	2,100203E+22	2,100202E+22	2,242240E+22	2,420576E+22
-2292	2,527634E+22	2,534693E+22	2,499652E+22	2,499635E+22	2,534658E+22	2,527634E+22	2,420607E+22	2,242264E+22	2,100228E+22	2,100238E+22	2,242298E+22	2,420643E+22
-2291	2,527641E+22	2,534630E+22	2,499582E+22	2,499567E+22	2,534601E+22	2,527610E+22	2,420623E+22	2,242306E+22	2,100273E+22	2,100251E+22	2,242245E+22	2,420546E+22
-2290	2,527545E+22	2,534564E+22	2,499574E+22	2,499596E+22	2,534614E+22	2,527602E+22	2,420625E+22	2,242344E+22	2,100325E+22	2,100296E+22	2,242277E+22	2,420586E+22
-2289	2,527650E+22	2,534711E+22	2,499685E+22	2,499678E+22	2,534675E+22	2,527628E+22	2,420616E+22	2,242325E+22	2,100340E+22	2,100361E+22	2,242366E+22	2,420613E+22
-2288	2,527557E+22	2,534574E+22	2,499576E+22	2,499590E+22	2,534616E+22	2,527608E+22	2,420625E+22	2,242341E+22	2,100342E+22	2,100337E+22	2,242323E+22	2,420589E+22
-2287	2,527563E+22	2,534606E+22	2,499635E+22	2,499650E+22	2,534652E+22	2,527618E+22	2,420623E+22	2,242343E+22	2,100359E+22	2,100372E+22	2,242384E+22	2,420690E+22
-2286	2,527695E+22	2,534694E+22	2,499655E+22	2,499647E+22	2,534653E+22	2,527626E+22	2,420630E+22	2,242346E+22	2,100366E+22	2,100382E+22	2,242371E+22	2,420626E+22
-2285	2,527587E+22	2,534585E+22	2,499559E+22	2,499575E+22	2,534617E+22	2,527623E+22	2,420643E+22	2,242360E+22	2,100357E+22	2,100334E+22	2,242305E+22	2,420585E+22
-2284	2,527623E+22	2,534719E+22	2,499724E+22	2,499693E+22	2,534662E+22	2,527610E+22	2,420618E+22	2,242349E+22	2,100366E+22	2,100365E+22	2,242365E+22	2,420666E+22
-2283	2,527657E+22	2,534665E+22	2,499654E+22	2,499651E+22	2,534641E+22	2,527598E+22	2,420604E+22	2,242332E+22	2,100354E+22	2,100354E+22	2,242323E+22	2,420571E+22
-2282	2,527536E+22	2,534548E+22	2,499568E+22	2,499620E+22	2,534649E+22	2,527621E+22	2,420625E+22	2,242339E+22	2,100333E+22	2,100319E+22	2,242306E+22	2,420595E+22
-2281	2,527627E+22	2,534695E+22	2,499674E+22	2,499672E+22	2,534688E+22	2,527652E+22	2,420630E+22	2,242310E+22	2,100302E+22	2,100321E+22	2,242357E+22	2,420646E+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	2,527592E+22	2,534588E+22	2,499565E+22	2,499561E+22	2,534596E+22	2,527610E+22	2,420629E+22	2,242316E+22	2,100282E+22	2,100257E+22	2,242254E+22	2,420560E+22
-2279	2,527559E+22	2,534583E+22	2,499583E+22	2,499592E+22	2,534608E+22	2,527596E+22	2,420611E+22	2,242311E+22	2,100290E+22	2,100277E+22	2,242285E+22	2,420615E+22
-2278	2,527668E+22	2,534693E+22	2,499638E+22	2,499622E+22	2,534628E+22	2,527595E+22	2,420588E+22	2,242283E+22	2,100282E+22	2,100298E+22	2,242313E+22	2,420587E+22
-2277	2,527554E+22	2,534559E+22	2,499522E+22	2,499540E+22	2,534599E+22	2,527600E+22	2,420594E+22	2,242277E+22	2,100250E+22	2,100238E+22	2,242247E+22	2,420547E+22
-2276	2,527559E+22	2,534635E+22	2,499648E+22	2,499643E+22	2,534643E+22	2,527603E+22	2,420586E+22	2,242270E+22	2,100255E+22	2,100263E+22	2,242311E+22	2,420665E+22
-2275	2,527666E+22	2,534638E+22	2,499602E+22	2,499608E+22	2,534626E+22	2,527598E+22	2,420586E+22	2,242267E+22	2,100254E+22	2,100266E+22	2,242285E+22	2,420583E+22
-2274	2,527564E+22	2,534541E+22	2,499507E+22	2,499551E+22	2,534611E+22	2,527615E+22	2,420625E+22	2,242313E+22	2,100272E+22	2,100246E+22	2,242247E+22	2,420558E+22
-2273	2,527614E+22	2,534703E+22	2,499674E+22	2,499644E+22	2,534651E+22	2,527630E+22	2,420629E+22	2,242321E+22	2,100308E+22	2,100308E+22	2,242329E+22	2,420632E+22
-2272	2,527606E+22	2,534629E+22	2,499619E+22	2,499598E+22	2,534599E+22	2,527586E+22	2,420612E+22	2,242334E+22	2,100335E+22	2,100318E+22	2,242285E+22	2,420549E+22
-2271	2,527529E+22	2,534564E+22	2,499595E+22	2,499628E+22	2,534636E+22	2,527597E+22	2,420610E+22	2,242347E+22	2,100371E+22	2,100372E+22	2,242345E+22	2,420616E+22
-2270	2,527637E+22	2,534686E+22	2,499673E+22	2,499679E+22	2,534680E+22	2,527627E+22	2,420615E+22	2,242339E+22	2,100382E+22	2,100416E+22	2,242419E+22	2,420665E+22
-2269	2,527593E+22	2,534582E+22	2,499561E+22	2,499582E+22	2,534629E+22	2,527626E+22	2,420640E+22	2,242361E+22	2,100372E+22	2,100363E+22	2,242335E+22	2,420598E+22
-2268	2,527582E+22	2,534644E+22	2,499669E+22	2,499664E+22	2,534651E+22	2,527617E+22	2,420641E+22	2,242384E+22	2,100405E+22	2,100396E+22	2,242382E+22	2,420692E+22
-2267	2,527708E+22	2,534720E+22	2,499693E+22	2,499671E+22	2,534645E+22	2,527600E+22	2,420620E+22	2,242371E+22	2,100414E+22	2,100423E+22	2,242383E+22	2,420620E+22
-2266	2,527586E+22	2,534605E+22	2,499595E+22	2,499612E+22	2,534628E+22	2,527608E+22	2,420644E+22	2,242395E+22	2,100411E+22	2,100383E+22	2,242323E+22	2,420564E+22
-2265	2,527581E+22	2,534699E+22	2,499734E+22	2,499719E+22	2,534693E+22	2,527636E+22	2,420638E+22	2,242376E+22	2,100411E+22	2,100417E+22	2,242401E+22	2,420673E+22
-2264	2,527629E+22	2,534647E+22	2,499664E+22	2,499666E+22	2,534656E+22	2,527613E+22	2,420618E+22	2,242350E+22	2,100379E+22	2,100382E+22	2,242344E+22	2,420588E+22
-2263	2,527546E+22	2,534551E+22	2,499565E+22	2,499618E+22	2,534653E+22	2,527628E+22	2,420638E+22	2,242359E+22	2,100366E+22	2,100358E+22	2,242333E+22	2,420607E+22
-2262	2,527628E+22	2,534690E+22	2,499662E+22	2,499650E+22	2,534666E+22	2,527640E+22	2,420640E+22	2,242350E+22	2,100357E+22	2,100366E+22	2,242378E+22	2,420664E+22
-2261	2,527612E+22	2,534608E+22	2,499573E+22	2,499557E+22	2,534589E+22	2,527600E+22	2,420629E+22	2,242343E+22	2,100332E+22	2,100303E+22	2,242268E+22	2,420545E+22
-2260	2,527542E+22	2,534597E+22	2,499624E+22	2,499626E+22	2,534614E+22	2,527578E+22	2,420601E+22	2,242332E+22	2,100337E+22	2,100324E+22	2,242313E+22	2,420628E+22
-2259	2,527663E+22	2,534686E+22	2,499654E+22	2,499649E+22	2,534640E+22	2,527580E+22	2,420563E+22	2,242279E+22	2,100311E+22	2,100343E+22	2,242354E+22	2,420618E+22
-2258	2,527571E+22	2,534566E+22	2,499527E+22	2,499549E+22	2,534605E+22	2,527600E+22	2,420602E+22	2,242296E+22	2,100276E+22	2,100266E+22	2,242264E+22	2,420552E+22
-2257	2,527554E+22	2,534632E+22	2,499648E+22	2,499645E+22	2,534654E+22	2,527625E+22	2,420616E+22	2,242308E+22	2,100295E+22	2,100293E+22	2,242322E+22	2,420664E+22
-2256	2,527663E+22	2,534660E+22	2,499636E+22	2,499622E+22	2,534622E+22	2,527592E+22	2,420596E+22	2,242302E+22	2,100301E+22	2,100296E+22	2,242285E+22	2,420569E+22
-2255	2,527560E+22	2,534566E+22	2,499548E+22	2,499579E+22	2,534615E+22	2,527603E+22	2,420624E+22	2,242341E+22	2,100335E+22	2,100317E+22	2,242281E+22	2,420547E+22
-2254	2,527578E+22	2,534681E+22	2,499684E+22	2,499667E+22	2,534662E+22	2,527624E+22	2,420629E+22	2,242356E+22	2,100379E+22	2,100388E+22	2,242385E+22	2,420655E+22
-2253	2,527602E+22	2,534616E+22	2,499612E+22	2,499613E+22	2,534631E+22	2,527608E+22	2,420620E+22	2,242354E+22	2,100382E+22	2,100379E+22	2,242331E+22	2,420566E+22
-2252	2,527523E+22	2,534564E+22	2,499612E+22	2,499648E+22	2,534651E+22	2,527613E+22	2,420632E+22	2,242380E+22	2,100414E+22	2,100411E+22	2,242379E+22	2,420658E+22
-2251	2,527667E+22	2,534692E+22	2,499674E+22	2,499678E+22	2,534672E+22	2,527616E+22	2,420618E+22	2,242366E+22	2,100424E+22	2,100455E+22	2,242443E+22	2,420692E+22
-2250	2,527633E+22	2,534624E+22	2,499585E+22	2,499582E+22	2,534610E+22	2,527610E+22	2,420655E+22	2,242409E+22	2,100428E+22	2,100403E+22	2,242340E+22	2,420580E+22
-2249	2,527572E+22	2,534664E+22	2,499707E+22	2,499690E+22	2,534654E+22	2,527613E+22	2,420655E+22	2,242425E+22	2,100467E+22	2,100452E+22	2,242402E+22	2,420674E+22
-2248	2,527678E+22	2,534725E+22	2,499738E+22	2,499714E+22	2,534661E+22	2,527587E+22	2,420608E+22	2,242386E+22	2,100457E+22	2,100469E+22	2,242409E+22	2,420616E+22
-2247	2,527567E+22	2,534600E+22	2,499615E+22	2,499645E+22	2,534659E+22	2,527621E+22	2,420639E+22	2,242396E+22	2,100444E+22	2,100441E+22	2,242370E+22	2,420579E+22
-2246	2,527558E+22	2,534661E+22	2,499712E+22	2,499713E+22	2,534700E+22	2,527652E+22	2,420657E+22	2,242401E+22	2,100447E+22	2,100459E+22	2,242436E+22	2,420703E+22
-2245	2,527649E+22	2,534642E+22	2,499639E+22	2,499647E+22	2,534660E+22	2,527629E+22	2,420642E+22	2,242380E+22	2,100412E+22	2,100407E+22	2,242351E+22	2,420585E+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	2,527555E+22	2,534579E+22	2,499592E+22	2,499619E+22	2,534637E+22	2,527618E+22	2,420652E+22	2,242399E+22	2,100414E+22	2,100386E+22	2,242339E+22	2,420614E+22
-2243	2,527640E+22	2,534702E+22	2,499683E+22	2,499656E+22	2,534643E+22	2,527598E+22	2,420614E+22	2,242363E+22	2,100404E+22	2,100414E+22	2,242401E+22	2,420667E+22
-2242	2,527619E+22	2,534625E+22	2,499601E+22	2,499581E+22	2,534588E+22	2,527577E+22	2,420616E+22	2,242360E+22	2,100371E+22	2,100351E+22	2,242295E+22	2,420539E+22
-2241	2,527518E+22	2,534588E+22	2,499643E+22	2,499656E+22	2,534642E+22	2,527595E+22	2,420607E+22	2,242342E+22	2,100365E+22	2,100365E+22	2,242347E+22	2,420638E+22
-2240	2,527649E+22	2,534680E+22	2,499674E+22	2,499670E+22	2,534656E+22	2,527590E+22	2,420571E+22	2,242289E+22	2,100326E+22	2,100361E+22	2,242367E+22	2,420630E+22
-2239	2,527585E+22	2,534581E+22	2,499543E+22	2,499563E+22	2,534622E+22	2,527617E+22	2,420618E+22	2,242317E+22	2,100313E+22	2,100307E+22	2,242283E+22	2,420551E+22
-2238	2,527545E+22	2,534626E+22	2,499648E+22	2,499636E+22	2,534646E+22	2,527629E+22	2,420642E+22	2,242359E+22	2,100361E+22	2,100349E+22	2,242341E+22	2,420660E+22
-2237	2,527662E+22	2,534666E+22	2,499647E+22	2,499633E+22	2,534630E+22	2,527593E+22	2,420608E+22	2,242343E+22	2,100368E+22	2,100360E+22	2,242311E+22	2,420554E+22
-2236	2,527535E+22	2,534567E+22	2,499581E+22	2,499612E+22	2,534627E+22	2,527596E+22	2,420625E+22	2,242376E+22	2,100401E+22	2,100382E+22	2,242329E+22	2,420576E+22
-2235	2,527576E+22	2,534657E+22	2,499679E+22	2,499674E+22	2,534665E+22	2,527610E+22	2,420614E+22	2,242366E+22	2,100425E+22	2,100452E+22	2,242442E+22	2,420700E+22
-2234	2,527633E+22	2,534626E+22	2,499615E+22	2,499610E+22	2,534618E+22	2,527602E+22	2,420635E+22	2,242385E+22	2,100420E+22	2,100421E+22	2,242363E+22	2,420585E+22
-2233	2,527538E+22	2,534581E+22	2,499627E+22	2,499651E+22	2,534648E+22	2,527618E+22	2,420654E+22	2,242417E+22	2,100458E+22	2,100448E+22	2,242396E+22	2,420660E+22
-2232	2,527677E+22	2,534733E+22	2,499727E+22	2,499699E+22	2,534662E+22	2,527598E+22	2,420617E+22	2,242393E+22	2,100468E+22	2,100488E+22	2,242446E+22	2,420678E+22
-2231	2,527636E+22	2,534661E+22	2,499646E+22	2,499630E+22	2,534627E+22	2,527601E+22	2,420644E+22	2,242424E+22	2,100482E+22	2,100467E+22	2,242366E+22	2,420560E+22
-2230	2,527535E+22	2,534644E+22	2,499724E+22	2,499725E+22	2,534683E+22	2,527625E+22	2,420662E+22	2,242455E+22	2,100525E+22	2,100516E+22	2,242442E+22	2,420680E+22
-2229	2,527666E+22	2,534707E+22	2,499732E+22	2,499737E+22	2,534704E+22	2,527622E+22	2,420629E+22	2,242409E+22	2,100495E+22	2,100514E+22	2,242440E+22	2,420622E+22
-2228	2,527553E+22	2,534586E+22	2,499620E+22	2,499657E+22	2,534673E+22	2,527642E+22	2,420671E+22	2,242437E+22	2,100484E+22	2,100470E+22	2,242396E+22	2,420611E+22
-2227	2,527575E+22	2,534645E+22	2,499692E+22	2,499694E+22	2,534681E+22	2,527640E+22	2,420665E+22	2,242433E+22	2,100493E+22	2,100498E+22	2,242460E+22	2,420722E+22
-2226	2,527681E+22	2,534671E+22	2,499651E+22	2,499627E+22	2,534617E+22	2,527601E+22	2,420652E+22	2,242420E+22	2,100462E+22	2,100450E+22	2,242365E+22	2,420569E+22
-2225	2,527540E+22	2,534588E+22	2,499621E+22	2,499634E+22	2,534624E+22	2,527596E+22	2,420645E+22	2,242421E+22	2,100462E+22	2,100440E+22	2,242368E+22	2,420605E+22
-2224	2,527621E+22	2,534709E+22	2,499722E+22	2,499691E+22	2,534649E+22	2,527574E+22	2,420581E+22	2,242353E+22	2,100426E+22	2,100453E+22	2,242433E+22	2,420678E+22
-2223	2,527620E+22	2,534629E+22	2,499623E+22	2,499613E+22	2,534616E+22	2,527584E+22	2,420597E+22	2,242341E+22	2,100385E+22	2,100391E+22	2,242332E+22	2,420556E+22
-2222	2,527512E+22	2,534564E+22	2,499630E+22	2,499657E+22	2,534655E+22	2,527617E+22	2,420630E+22	2,242364E+22	2,100389E+22	2,100389E+22	2,242365E+22	2,420655E+22
-2221	2,527671E+22	2,534687E+22	2,499667E+22	2,499670E+22	2,534670E+22	2,527612E+22	2,420601E+22	2,242325E+22	2,100359E+22	2,100378E+22	2,242361E+22	2,420611E+22
-2220	2,527582E+22	2,534604E+22	2,499582E+22	2,499583E+22	2,534618E+22	2,527618E+22	2,420645E+22	2,242371E+22	2,100373E+22	2,100342E+22	2,242292E+22	2,420549E+22
-2219	2,527538E+22	2,534617E+22	2,499663E+22	2,499652E+22	2,534638E+22	2,527607E+22	2,420637E+22	2,242393E+22	2,100430E+22	2,100420E+22	2,242379E+22	2,420661E+22
-2218	2,527658E+22	2,534669E+22	2,499664E+22	2,499648E+22	2,534627E+22	2,527586E+22	2,420617E+22	2,242379E+22	2,100427E+22	2,100431E+22	2,242360E+22	2,420558E+22
-2217	2,527515E+22	2,534554E+22	2,499592E+22	2,499632E+22	2,534643E+22	2,527610E+22	2,420639E+22	2,242404E+22	2,100451E+22	2,100444E+22	2,242381E+22	2,420601E+22
-2216	2,527584E+22	2,534665E+22	2,499697E+22	2,499686E+22	2,534663E+22	2,527603E+22	2,420615E+22	2,242385E+22	2,100459E+22	2,100488E+22	2,242470E+22	2,420725E+22
-2215	2,527667E+22	2,534660E+22	2,499644E+22	2,499627E+22	2,534624E+22	2,527600E+22	2,420634E+22	2,242405E+22	2,100469E+22	2,100473E+22	2,242389E+22	2,420588E+22
-2214	2,527542E+22	2,534596E+22	2,499652E+22	2,499662E+22	2,534643E+22	2,527616E+22	2,420671E+22	2,242461E+22	2,100521E+22	2,100503E+22	2,242419E+22	2,420653E+22
-2213	2,527672E+22	2,534743E+22	2,499756E+22	2,499737E+22	2,534685E+22	2,527600E+22	2,420624E+22	2,242426E+22	2,100524E+22	2,100543E+22	2,242469E+22	2,420658E+22
-2212	2,527606E+22	2,534659E+22	2,499686E+22	2,499681E+22	2,534661E+22	2,527614E+22	2,420654E+22	2,242454E+22	2,100534E+22	2,100518E+22	2,242408E+22	2,420585E+22
-2211	2,527525E+22	2,534606E+22	2,499705E+22	2,499729E+22	2,534693E+22	2,527630E+22	2,420663E+22	2,242469E+22	2,100564E+22	2,100568E+22	2,242485E+22	2,420705E+22
-2210	2,527681E+22	2,534703E+22	2,499718E+22	2,499719E+22	2,534686E+22	2,527626E+22	2,420658E+22	2,242445E+22	2,100528E+22	2,100546E+22	2,242462E+22	2,420630E+22
-2209	2,527559E+22	2,534593E+22	2,499623E+22	2,499647E+22	2,534655E+22	2,527636E+22	2,420690E+22	2,242476E+22	2,100529E+22	2,100504E+22	2,242410E+22	2,420609E+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												
-2208	2,527581E+22	2,534674E+22	2,499722E+22	2,499694E+22	2,534649E+22	2,527602E+22	2,420650E+22	2,242451E+22	2,100529E+22	2,100530E+22	2,242470E+22	2,420716E+22
-2207	2,527688E+22	2,534699E+22	2,499694E+22	2,499663E+22	2,534621E+22	2,527577E+22	2,420621E+22	2,242416E+22	2,100501E+22	2,100506E+22	2,242398E+22	2,420564E+22
-2206	2,527519E+22	2,534575E+22	2,499632E+22	2,499659E+22	2,534644E+22	2,527601E+22	2,420641E+22	2,242427E+22	2,100491E+22	2,100483E+22	2,242404E+22	2,420618E+22
-2205	2,527619E+22	2,534699E+22	2,499722E+22	2,499717E+22	2,534687E+22	2,527601E+22	2,420595E+22	2,242361E+22	2,100439E+22	2,100472E+22	2,242449E+22	2,420682E+22
-2204	2,527618E+22	2,534632E+22	2,499642E+22	2,499639E+22	2,534638E+22	2,527609E+22	2,420629E+22	2,242375E+22	2,100412E+22	2,100400E+22	2,242341E+22	2,420576E+22
-2203	2,527527E+22	2,534556E+22	2,499616E+22	2,499647E+22	2,534646E+22	2,527617E+22	2,420649E+22	2,242406E+22	2,100441E+22	2,100426E+22	2,242375E+22	2,420648E+22
-2202	2,527682E+22	2,534713E+22	2,499688E+22	2,499664E+22	2,534640E+22	2,527601E+22	2,420631E+22	2,242384E+22	2,100425E+22	2,100431E+22	2,242377E+22	2,420587E+22
-2201	2,527553E+22	2,534601E+22	2,499610E+22	2,499609E+22	2,534615E+22	2,527604E+22	2,420652E+22	2,242416E+22	2,100447E+22	2,100419E+22	2,242337E+22	2,420544E+22
-2200	2,527514E+22	2,534613E+22	2,499683E+22	2,499676E+22	2,534639E+22	2,527585E+22	2,420616E+22	2,242403E+22	2,100477E+22	2,100485E+22	2,242436E+22	2,420688E+22
-2199	2,527665E+22	2,534672E+22	2,499677E+22	2,499669E+22	2,534642E+22	2,527585E+22	2,420600E+22	2,242375E+22	2,100465E+22	2,100495E+22	2,242417E+22	2,420591E+22
-2198	2,527524E+22	2,534546E+22	2,499585E+22	2,499630E+22	2,534645E+22	2,527618E+22	2,420656E+22	2,242432E+22	2,100489E+22	2,100485E+22	2,242414E+22	2,420629E+22
-2197	2,527619E+22	2,534693E+22	2,499713E+22	2,499703E+22	2,534673E+22	2,527606E+22	2,420629E+22	2,242418E+22	2,100500E+22	2,100517E+22	2,242476E+22	2,420716E+22
-2196	2,527672E+22	2,534698E+22	2,499702E+22	2,499670E+22	2,534633E+22	2,527595E+22	2,420647E+22	2,242447E+22	2,100523E+22	2,100507E+22	2,242401E+22	2,420588E+22
-2195	2,527534E+22	2,534591E+22	2,499675E+22	2,499696E+22	2,534656E+22	2,527606E+22	2,420668E+22	2,242492E+22	2,100583E+22	2,100567E+22	2,242452E+22	2,420647E+22
-2194	2,527660E+22	2,534746E+22	2,499776E+22	2,499759E+22	2,534695E+22	2,527613E+22	2,420649E+22	2,242462E+22	2,100573E+22	2,100597E+22	2,242505E+22	2,420655E+22
-2193	2,527574E+22	2,534633E+22	2,499687E+22	2,499700E+22	2,534680E+22	2,527639E+22	2,420685E+22	2,242492E+22	2,100582E+22	2,100569E+22	2,242447E+22	2,420598E+22
-2192	2,527524E+22	2,534602E+22	2,499698E+22	2,499724E+22	2,534686E+22	2,527627E+22	2,420674E+22	2,242496E+22	2,100601E+22	2,100602E+22	2,242510E+22	2,420724E+22
-2191	2,527706E+22	2,534727E+22	2,499726E+22	2,499714E+22	2,534673E+22	2,527613E+22	2,420652E+22	2,242465E+22	2,100578E+22	2,100595E+22	2,242486E+22	2,420632E+22
-2190	2,527559E+22	2,534603E+22	2,499634E+22	2,499643E+22	2,534632E+22	2,527616E+22	2,420692E+22	2,242508E+22	2,100582E+22	2,100554E+22	2,242436E+22	2,420611E+22
-2189	2,527582E+22	2,534685E+22	2,499746E+22	2,499728E+22	2,534658E+22	2,527579E+22	2,420631E+22	2,242461E+22	2,100565E+22	2,100570E+22	2,242493E+22	2,420709E+22
-2188	2,527669E+22	2,534703E+22	2,499729E+22	2,499711E+22	2,534650E+22	2,527579E+22	2,420613E+22	2,242422E+22	2,100522E+22	2,100530E+22	2,242431E+22	2,420595E+22
-2187	2,527519E+22	2,534553E+22	2,499619E+22	2,499667E+22	2,534657E+22	2,527609E+22	2,420643E+22	2,242433E+22	2,100510E+22	2,100509E+22	2,242428E+22	2,420636E+22
-2186	2,527636E+22	2,534711E+22	2,499721E+22	2,499706E+22	2,534676E+22	2,527617E+22	2,420636E+22	2,242398E+22	2,100464E+22	2,100486E+22	2,242449E+22	2,420671E+22
-2185	2,527612E+22	2,534643E+22	2,499658E+22	2,499647E+22	2,534636E+22	2,527617E+22	2,420660E+22	2,242427E+22	2,100466E+22	2,100436E+22	2,242345E+22	2,420556E+22
-2184	2,527520E+22	2,534577E+22	2,499641E+22	2,499658E+22	2,534630E+22	2,527591E+22	2,420644E+22	2,242439E+22	2,100499E+22	2,100477E+22	2,242394E+22	2,420635E+22
-2183	2,527666E+22	2,534721E+22	2,499718E+22	2,499701E+22	2,534654E+22	2,527584E+22	2,420608E+22	2,242398E+22	2,100490E+22	2,100510E+22	2,242427E+22	2,420592E+22
-2182	2,527527E+22	2,534579E+22	2,499610E+22	2,499627E+22	2,534631E+22	2,527609E+22	2,420657E+22	2,242440E+22	2,100499E+22	2,100486E+22	2,242398E+22	2,420577E+22
-2181	2,527518E+22	2,534600E+22	2,499678E+22	2,499695E+22	2,534658E+22	2,527593E+22	2,420625E+22	2,242422E+22	2,100509E+22	2,100524E+22	2,242473E+22	2,420713E+22
-2180	2,527679E+22	2,534689E+22	2,499699E+22	2,499693E+22	2,534656E+22	2,527597E+22	2,420623E+22	2,242410E+22	2,100501E+22	2,100520E+22	2,242444E+22	2,420628E+22
-2179	2,527553E+22	2,534562E+22	2,499589E+22	2,499626E+22	2,534632E+22	2,527608E+22	2,420664E+22	2,242466E+22	2,100543E+22	2,100528E+22	2,242429E+22	2,420626E+22
-2178	2,527632E+22	2,534730E+22	2,499750E+22	2,499712E+22	2,534654E+22	2,527598E+22	2,420654E+22	2,242465E+22	2,100560E+22	2,100567E+22	2,242490E+22	2,420691E+22
-2177	2,527641E+22	2,534700E+22	2,499742E+22	2,499722E+22	2,534655E+22	2,527594E+22	2,420655E+22	2,242487E+22	2,100591E+22	2,100576E+22	2,242438E+22	2,420579E+22
-2176	2,527510E+22	2,534584E+22	2,499684E+22	2,499721E+22	2,534672E+22	2,527602E+22	2,420659E+22	2,242506E+22	2,100628E+22	2,100624E+22	2,242498E+22	2,420665E+22
-2175	2,527653E+22	2,534739E+22	2,499778E+22	2,499774E+22	2,534712E+22	2,527622E+22	2,420648E+22	2,242475E+22	2,100617E+22	2,100652E+22	2,242547E+22	2,420678E+22
-2174	2,527577E+22	2,534622E+22	2,499669E+22	2,499684E+22	2,534669E+22	2,527642E+22	2,420711E+22	2,242533E+22	2,100628E+22	2,100608E+22	2,242474E+22	2,420618E+22
-2173	2,527546E+22	2,534620E+22	2,499704E+22	2,499725E+22	2,534673E+22	2,527610E+22	2,420680E+22	2,242529E+22	2,100644E+22	2,100631E+22	2,242516E+22	2,420715E+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°
-2172	2,527705E+22	2,534760E+22	2,499774E+22	2,499747E+22	2,534672E+22	2,527594E+22	2,420648E+22	2,242492E+22	2,100621E+22	2,100628E+22	2,242506E+22	2,420643E+22
-2171	2,527554E+22	2,534602E+22	2,499649E+22	2,499667E+22	2,534639E+22	2,527596E+22	2,420671E+22	2,242515E+22	2,100624E+22	2,100603E+22	2,242467E+22	2,420614E+22
-2170	2,527579E+22	2,534696E+22	2,499767E+22	2,499746E+22	2,534670E+22	2,527592E+22	2,420645E+22	2,242474E+22	2,100588E+22	2,100601E+22	2,242517E+22	2,420712E+22
-2169	2,527648E+22	2,534689E+22	2,499740E+22	2,499741E+22	2,534679E+22	2,527603E+22	2,420639E+22	2,242450E+22	2,100553E+22	2,100558E+22	2,242447E+22	2,420599E+22
-2168	2,527524E+22	2,534559E+22	2,499616E+22	2,499669E+22	2,534659E+22	2,527612E+22	2,420658E+22	2,242462E+22	2,100543E+22	2,100533E+22	2,242438E+22	2,420637E+22
-2167	2,527641E+22	2,534732E+22	2,499736E+22	2,499712E+22	2,534674E+22	2,527613E+22	2,420639E+22	2,242432E+22	2,100524E+22	2,100536E+22	2,242463E+22	2,420656E+22
-2166	2,527590E+22	2,534640E+22	2,499666E+22	2,499650E+22	2,534625E+22	2,527607E+22	2,420675E+22	2,242474E+22	2,100536E+22	2,100502E+22	2,242382E+22	2,420558E+22
-2165	2,527505E+22	2,534569E+22	2,499652E+22	2,499689E+22	2,534642E+22	2,527574E+22	2,420632E+22	2,242460E+22	2,100552E+22	2,100539E+22	2,242439E+22	2,420647E+22
-2164	2,527650E+22	2,534715E+22	2,499732E+22	2,499729E+22	2,534674E+22	2,527586E+22	2,420603E+22	2,242408E+22	2,100521E+22	2,100552E+22	2,242481E+22	2,420644E+22
-2163	2,527540E+22	2,534563E+22	2,499590E+22	2,499620E+22	2,534629E+22	2,527604E+22	2,420654E+22	2,242450E+22	2,100530E+22	2,100526E+22	2,242435E+22	2,420612E+22
-2162	2,527556E+22	2,534635E+22	2,499692E+22	2,499683E+22	2,534637E+22	2,527592E+22	2,420651E+22	2,242455E+22	2,100540E+22	2,100545E+22	2,242480E+22	2,420713E+22
-2161	2,527685E+22	2,534718E+22	2,499737E+22	2,499718E+22	2,534655E+22	2,527592E+22	2,420641E+22	2,242457E+22	2,100558E+22	2,100558E+22	2,242446E+22	2,420608E+22
-2160	2,527552E+22	2,534598E+22	2,499634E+22	2,499659E+22	2,534633E+22	2,527588E+22	2,420658E+22	2,242496E+22	2,100601E+22	2,100582E+22	2,242448E+22	2,420610E+22
-2159	2,527611E+22	2,534742E+22	2,499790E+22	2,499762E+22	2,534685E+22	2,527597E+22	2,420640E+22	2,242486E+22	2,100626E+22	2,100639E+22	2,242527E+22	2,420683E+22
-2158	2,527606E+22	2,534674E+22	2,499742E+22	2,499743E+22	2,534684E+22	2,527619E+22	2,420679E+22	2,242525E+22	2,100649E+22	2,100641E+22	2,242489E+22	2,420603E+22
-2157	2,527504E+22	2,534565E+22	2,499674E+22	2,499738E+22	2,534692E+22	2,527615E+22	2,420680E+22	2,242540E+22	2,100672E+22	2,100666E+22	2,242530E+22	2,420685E+22
-2156	2,527656E+22	2,534743E+22	2,499785E+22	2,499784E+22	2,534718E+22	2,527629E+22	2,420671E+22	2,242518E+22	2,100660E+22	2,100682E+22	2,242575E+22	2,420712E+22
-2155	2,527597E+22	2,534631E+22	2,499667E+22	2,499668E+22	2,534642E+22	2,527619E+22	2,420712E+22	2,242569E+22	2,100688E+22	2,100662E+22	2,242499E+22	2,420624E+22
-2154	2,527558E+22	2,534656E+22	2,499740E+22	2,499727E+22	2,534643E+22	2,527586E+22	2,420685E+22	2,242559E+22	2,100694E+22	2,100681E+22	2,242538E+22	2,420704E+22
-2153	2,527680E+22	2,534762E+22	2,499811E+22	2,499792E+22	2,534692E+22	2,527585E+22	2,420638E+22	2,242509E+22	2,100667E+22	2,100683E+22	2,242539E+22	2,420645E+22
-2152	2,527547E+22	2,534606E+22	2,499659E+22	2,499689E+22	2,534658E+22	2,527594E+22	2,420653E+22	2,242507E+22	2,100641E+22	2,100637E+22	2,242497E+22	2,420632E+22
-2151	2,527581E+22	2,534697E+22	2,499772E+22	2,499763E+22	2,534692E+22	2,527606E+22	2,420643E+22	2,242479E+22	2,100613E+22	2,100627E+22	2,242531E+22	2,420721E+22
-2150	2,527651E+22	2,534685E+22	2,499731E+22	2,499735E+22	2,534682E+22	2,527619E+22	2,420670E+22	2,242491E+22	2,100592E+22	2,100583E+22	2,242455E+22	2,420603E+22
-2149	2,527530E+22	2,534569E+22	2,499625E+22	2,499676E+22	2,534653E+22	2,527602E+22	2,420669E+22	2,242499E+22	2,100589E+22	2,100563E+22	2,242440E+22	2,420620E+22
-2148	2,527620E+22	2,534740E+22	2,499771E+22	2,499744E+22	2,534681E+22	2,527605E+22	2,420644E+22	2,242465E+22	2,100573E+22	2,100580E+22	2,242493E+22	2,420667E+22
-2147	2,527575E+22	2,534625E+22	2,499663E+22	2,499656E+22	2,534624E+22	2,527591E+22	2,420662E+22	2,242490E+22	2,100588E+22	2,100567E+22	2,242428E+22	2,420574E+22
-2146	2,527502E+22	2,534573E+22	2,499658E+22	2,499683E+22	2,534637E+22	2,527581E+22	2,420646E+22	2,242476E+22	2,100584E+22	2,100582E+22	2,242476E+22	2,420667E+22
-2145	2,527645E+22	2,534710E+22	2,499743E+22	2,499749E+22	2,534689E+22	2,527596E+22	2,420620E+22	2,242439E+22	2,100562E+22	2,100590E+22	2,242504E+22	2,420663E+22
-2144	2,527569E+22	2,534592E+22	2,499598E+22	2,499620E+22	2,534622E+22	2,527592E+22	2,420653E+22	2,242474E+22	2,100569E+22	2,100558E+22	2,242446E+22	2,420617E+22
-2143	2,527573E+22	2,534676E+22	2,499733E+22	2,499705E+22	2,534639E+22	2,527580E+22	2,420644E+22	2,242486E+22	2,100605E+22	2,100596E+22	2,242489E+22	2,420695E+22
-2142	2,527666E+22	2,534727E+22	2,499770E+22	2,499749E+22	2,534663E+22	2,527586E+22	2,420653E+22	2,242504E+22	2,100630E+22	2,100627E+22	2,242480E+22	2,420601E+22
-2141	2,527525E+22	2,534587E+22	2,499659E+22	2,499709E+22	2,534663E+22	2,527586E+22	2,420656E+22	2,242524E+22	2,100659E+22	2,100646E+22	2,242490E+22	2,420615E+22
-2140	2,527580E+22	2,534723E+22	2,499805E+22	2,499799E+22	2,534723E+22	2,527621E+22	2,420656E+22	2,242511E+22	2,100667E+22	2,100690E+22	2,242580E+22	2,420723E+22
-2139	2,527608E+22	2,534652E+22	2,499717E+22	2,499728E+22	2,534682E+22	2,527626E+22	2,420696E+22	2,242556E+22	2,100699E+22	2,100694E+22	2,242529E+22	2,420632E+22
-2138	2,527534E+22	2,534591E+22	2,499678E+22	2,499711E+22	2,534665E+22	2,527616E+22	2,420710E+22	2,242582E+22	2,100720E+22	2,100703E+22	2,242546E+22	2,420689E+22
-2137	2,527661E+22	2,534763E+22	2,499817E+22	2,499799E+22	2,534709E+22	2,527614E+22	2,420679E+22	2,242561E+22	2,100723E+22	2,100731E+22	2,242586E+22	2,420704E+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°
-2136	2,527606E+22	2,534663E+22	2,499703E+22	2,499693E+22	2,534636E+22	2,527587E+22	2,420686E+22	2,242580E+22	2,100733E+22	2,100715E+22	2,242527E+22	2,420625E+22
-2135	2,527553E+22	2,534672E+22	2,499780E+22	2,499772E+22	2,534670E+22	2,527577E+22	2,420657E+22	2,242559E+22	2,100735E+22	2,100732E+22	2,242570E+22	2,420706E+22
-2134	2,527658E+22	2,534742E+22	2,499814E+22	2,499813E+22	2,534721E+22	2,527611E+22	2,420657E+22	2,242528E+22	2,100697E+22	2,100720E+22	2,242572E+22	2,420664E+22
-2133	2,527546E+22	2,534594E+22	2,499662E+22	2,499711E+22	2,534682E+22	2,527614E+22	2,420674E+22	2,242531E+22	2,100664E+22	2,100655E+22	2,242506E+22	2,420639E+22
-2132	2,527582E+22	2,534700E+22	2,499780E+22	2,499770E+22	2,534704E+22	2,527624E+22	2,420672E+22	2,242516E+22	2,100644E+22	2,100643E+22	2,242536E+22	2,420725E+22
-2131	2,527651E+22	2,534685E+22	2,499725E+22	2,499715E+22	2,534658E+22	2,527606E+22	2,420681E+22	2,242531E+22	2,100652E+22	2,100634E+22	2,242471E+22	2,420595E+22
-2130	2,527526E+22	2,534587E+22	2,499649E+22	2,499670E+22	2,534628E+22	2,527584E+22	2,420676E+22	2,242532E+22	2,100645E+22	2,100619E+22	2,242468E+22	2,420612E+22
-2129	2,527588E+22	2,534719E+22	2,499786E+22	2,499770E+22	2,534694E+22	2,527595E+22	2,420635E+22	2,242486E+22	2,100626E+22	2,100642E+22	2,242533E+22	2,420683E+22
-2128	2,527580E+22	2,534623E+22	2,499661E+22	2,499659E+22	2,534625E+22	2,527579E+22	2,420642E+22	2,242485E+22	2,100613E+22	2,100612E+22	2,242472E+22	2,420608E+22
-2127	2,527523E+22	2,534589E+22	2,499673E+22	2,499692E+22	2,534639E+22	2,527573E+22	2,420634E+22	2,242484E+22	2,100615E+22	2,100613E+22	2,242494E+22	2,420680E+22
-2126	2,527660E+22	2,534725E+22	2,499755E+22	2,499750E+22	2,534686E+22	2,527599E+22	2,420640E+22	2,242478E+22	2,100608E+22	2,100624E+22	2,242515E+22	2,420663E+22
-2125	2,527578E+22	2,534618E+22	2,499644E+22	2,499657E+22	2,534628E+22	2,527581E+22	2,420655E+22	2,242506E+22	2,100621E+22	2,100598E+22	2,242451E+22	2,420596E+22
-2124	2,527552E+22	2,534687E+22	2,499782E+22	2,499761E+22	2,534673E+22	2,527588E+22	2,420653E+22	2,242518E+22	2,100656E+22	2,100648E+22	2,242520E+22	2,420695E+22
-2123	2,527641E+22	2,534707E+22	2,499775E+22	2,499772E+22	2,534689E+22	2,527598E+22	2,420660E+22	2,242534E+22	2,100694E+22	2,100701E+22	2,242531E+22	2,420617E+22
-2122	2,527516E+22	2,534581E+22	2,499665E+22	2,499707E+22	2,534671E+22	2,527615E+22	2,420692E+22	2,242561E+22	2,100709E+22	2,100702E+22	2,242533E+22	2,420635E+22
-2121	2,527570E+22	2,534700E+22	2,499804E+22	2,499810E+22	2,534737E+22	2,527640E+22	2,420690E+22	2,242563E+22	2,100728E+22	2,100744E+22	2,242609E+22	2,420743E+22
-2120	2,527639E+22	2,534675E+22	2,499715E+22	2,499711E+22	2,534661E+22	2,527610E+22	2,420699E+22	2,242589E+22	2,100754E+22	2,100747E+22	2,242558E+22	2,420646E+22
-2119	2,527554E+22	2,534628E+22	2,499715E+22	2,499721E+22	2,534647E+22	2,527585E+22	2,420693E+22	2,242611E+22	2,100786E+22	2,100762E+22	2,242569E+22	2,420684E+22
-2118	2,527653E+22	2,534773E+22	2,499849E+22	2,499825E+22	2,534709E+22	2,527597E+22	2,420674E+22	2,242590E+22	2,100782E+22	2,100795E+22	2,242627E+22	2,420712E+22
-2117	2,527596E+22	2,534658E+22	2,499733E+22	2,499739E+22	2,534660E+22	2,527577E+22	2,420666E+22	2,242579E+22	2,100761E+22	2,100754E+22	2,242558E+22	2,420634E+22
-2116	2,527541E+22	2,534662E+22	2,499797E+22	2,499806E+22	2,534708E+22	2,527604E+22	2,420668E+22	2,242562E+22	2,100740E+22	2,100750E+22	2,242597E+22	2,420731E+22
-2115	2,527667E+22	2,534731E+22	2,499797E+22	2,499800E+22	2,534719E+22	2,527622E+22	2,420677E+22	2,242553E+22	2,100724E+22	2,100743E+22	2,242582E+22	2,420669E+22
-2114	2,527562E+22	2,534616E+22	2,499669E+22	2,499685E+22	2,534658E+22	2,527623E+22	2,420708E+22	2,242572E+22	2,100703E+22	2,100675E+22	2,242502E+22	2,420619E+22
-2113	2,527563E+22	2,534699E+22	2,499805E+22	2,499787E+22	2,534701E+22	2,527618E+22	2,420687E+22	2,242563E+22	2,100708E+22	2,100692E+22	2,242539E+22	2,420701E+22
-2112	2,527644E+22	2,534693E+22	2,499742E+22	2,499726E+22	2,534649E+22	2,527578E+22	2,420659E+22	2,242544E+22	2,100702E+22	2,100696E+22	2,242509E+22	2,420596E+22
-2111	2,527515E+22	2,534589E+22	2,499671E+22	2,499694E+22	2,534639E+22	2,527569E+22	2,420650E+22	2,242537E+22	2,100690E+22	2,100676E+22	2,242510E+22	2,420627E+22
-2110	2,527579E+22	2,534701E+22	2,499784E+22	2,499779E+22	2,534704E+22	2,527605E+22	2,420647E+22	2,242506E+22	2,100661E+22	2,100687E+22	2,242576E+22	2,420714E+22
-2109	2,527595E+22	2,534620E+22	2,499674E+22	2,499681E+22	2,534635E+22	2,527579E+22	2,420647E+22	2,242502E+22	2,100637E+22	2,100636E+22	2,242489E+22	2,420622E+22
-2108	2,527540E+22	2,534611E+22	2,499702E+22	2,499714E+22	2,534655E+22	2,527587E+22	2,420653E+22	2,242511E+22	2,100644E+22	2,100639E+22	2,242508E+22	2,420682E+22
-2107	2,527664E+22	2,534740E+22	2,499775E+22	2,499754E+22	2,534676E+22	2,527593E+22	2,420652E+22	2,242518E+22	2,100671E+22	2,100682E+22	2,242537E+22	2,420651E+22
-2106	2,527568E+22	2,534636E+22	2,499682E+22	2,499676E+22	2,534634E+22	2,527588E+22	2,420672E+22	2,242544E+22	2,100683E+22	2,100662E+22	2,242486E+22	2,420588E+22
-2105	2,527516E+22	2,534657E+22	2,499796E+22	2,499801E+22	2,534709E+22	2,527606E+22	2,420667E+22	2,242556E+22	2,100722E+22	2,100719E+22	2,242560E+22	2,420704E+22
-2104	2,527642E+22	2,534695E+22	2,499765E+22	2,499772E+22	2,534694E+22	2,527603E+22	2,420666E+22	2,242554E+22	2,100739E+22	2,100760E+22	2,242583E+22	2,420653E+22
-2103	2,527539E+22	2,534593E+22	2,499673E+22	2,499705E+22	2,534661E+22	2,527603E+22	2,420696E+22	2,242597E+22	2,100764E+22	2,100748E+22	2,242562E+22	2,420653E+22
-2102	2,527587E+22	2,534711E+22	2,499809E+22	2,499799E+22	2,534715E+22	2,527629E+22	2,420709E+22	2,242612E+22	2,100791E+22	2,100795E+22	2,242634E+22	2,420749E+22
-2101	2,527650E+22	2,534701E+22	2,499764E+22	2,499745E+22	2,534651E+22	2,527580E+22	2,420686E+22	2,242613E+22	2,100804E+22	2,100796E+22	2,242579E+22	2,420639E+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	2,527549E+22	2,534648E+22	2,499766E+22	2,499773E+22	2,534673E+22	2,527581E+22	2,420682E+22	2,242617E+22	2,100814E+22	2,100806E+22	2,242604E+22	2,420687E+22
-2099	2,527637E+22	2,534763E+22	2,499856E+22	2,499843E+22	2,534728E+22	2,527605E+22	2,420674E+22	2,242601E+22	2,100818E+22	2,100844E+22	2,242664E+22	2,420724E+22
-2098	2,527593E+22	2,534660E+22	2,499746E+22	2,499747E+22	2,534677E+22	2,527610E+22	2,420695E+22	2,242601E+22	2,100786E+22	2,100779E+22	2,242576E+22	2,420640E+22
-2097	2,527531E+22	2,534642E+22	2,499796E+22	2,499822E+22	2,534728E+22	2,527628E+22	2,420703E+22	2,242609E+22	2,100786E+22	2,100777E+22	2,242595E+22	2,420721E+22
-2096	2,527682E+22	2,534745E+22	2,499794E+22	2,499784E+22	2,534701E+22	2,527614E+22	2,420688E+22	2,242587E+22	2,100771E+22	2,100783E+22	2,242596E+22	2,420662E+22
-2095	2,527562E+22	2,534637E+22	2,499700E+22	2,499693E+22	2,534634E+22	2,527589E+22	2,420699E+22	2,242609E+22	2,100768E+22	2,100731E+22	2,242524E+22	2,420605E+22
-2094	2,527537E+22	2,534681E+22	2,499812E+22	2,499801E+22	2,534696E+22	2,527601E+22	2,420684E+22	2,242592E+22	2,100766E+22	2,100761E+22	2,242590E+22	2,420711E+22
-2093	2,527627E+22	2,534674E+22	2,499756E+22	2,499757E+22	2,534661E+22	2,527565E+22	2,420636E+22	2,242539E+22	2,100728E+22	2,100742E+22	2,242556E+22	2,420623E+22
-2092	2,527520E+22	2,534583E+22	2,499677E+22	2,499715E+22	2,534662E+22	2,527585E+22	2,420652E+22	2,242531E+22	2,100691E+22	2,100698E+22	2,242547E+22	2,420661E+22
-2091	2,527604E+22	2,534705E+22	2,499774E+22	2,499765E+22	2,534693E+22	2,527605E+22	2,420659E+22	2,242528E+22	2,100689E+22	2,100713E+22	2,242593E+22	2,420728E+22
-2090	2,527624E+22	2,534661E+22	2,499703E+22	2,499677E+22	2,534623E+22	2,527586E+22	2,420670E+22	2,242537E+22	2,100675E+22	2,100658E+22	2,242488E+22	2,420604E+22
-2089	2,527528E+22	2,534621E+22	2,499746E+22	2,499757E+22	2,534671E+22	2,527590E+22	2,420673E+22	2,242561E+22	2,100711E+22	2,100689E+22	2,242510E+22	2,420654E+22
-2088	2,527655E+22	2,534750E+22	2,499800E+22	2,499783E+22	2,534689E+22	2,527587E+22	2,420649E+22	2,242543E+22	2,100728E+22	2,100749E+22	2,242578E+22	2,420651E+22
-2087	2,527550E+22	2,534632E+22	2,499705E+22	2,499706E+22	2,534651E+22	2,527590E+22	2,420676E+22	2,242578E+22	2,100747E+22	2,100728E+22	2,242532E+22	2,420602E+22
-2086	2,527502E+22	2,534629E+22	2,499785E+22	2,499807E+22	2,534721E+22	2,527628E+22	2,420701E+22	2,242604E+22	2,100784E+22	2,100783E+22	2,242612E+22	2,420733E+22
-2085	2,527652E+22	2,534691E+22	2,499770E+22	2,499780E+22	2,534688E+22	2,527595E+22	2,420675E+22	2,242588E+22	2,100787E+22	2,100804E+22	2,242612E+22	2,420670E+22
-2084	2,527560E+22	2,534619E+22	2,499699E+22	2,499717E+22	2,534657E+22	2,527598E+22	2,420705E+22	2,242626E+22	2,100807E+22	2,100794E+22	2,242592E+22	2,420661E+22
-2083	2,527597E+22	2,534734E+22	2,499836E+22	2,499805E+22	2,534689E+22	2,527597E+22	2,420701E+22	2,242645E+22	2,100855E+22	2,100861E+22	2,242670E+22	2,420749E+22
-2082	2,527647E+22	2,534721E+22	2,499803E+22	2,499772E+22	2,534658E+22	2,527574E+22	2,420679E+22	2,242629E+22	2,100849E+22	2,100848E+22	2,242614E+22	2,420639E+22
-2081	2,527524E+22	2,534630E+22	2,499787E+22	2,499821E+22	2,534716E+22	2,527602E+22	2,420689E+22	2,242636E+22	2,100855E+22	2,100851E+22	2,242628E+22	2,420694E+22
-2080	2,527645E+22	2,534761E+22	2,499850E+22	2,499846E+22	2,534737E+22	2,527616E+22	2,420682E+22	2,242611E+22	2,100840E+22	2,100875E+22	2,242690E+22	2,420741E+22
-2079	2,527608E+22	2,534674E+22	2,499757E+22	2,499752E+22	2,534672E+22	2,527606E+22	2,420710E+22	2,242640E+22	2,100828E+22	2,100803E+22	2,242580E+22	2,420635E+22
-2078	2,527530E+22	2,534642E+22	2,499796E+22	2,499818E+22	2,534716E+22	2,527627E+22	2,420729E+22	2,242661E+22	2,100846E+22	2,100821E+22	2,242609E+22	2,420707E+22
-2077	2,527664E+22	2,534747E+22	2,499825E+22	2,499814E+22	2,534694E+22	2,527588E+22	2,420677E+22	2,242610E+22	2,100819E+22	2,100829E+22	2,242620E+22	2,420655E+22
-2076	2,527547E+22	2,534637E+22	2,499726E+22	2,499730E+22	2,534655E+22	2,527587E+22	2,420690E+22	2,242612E+22	2,100794E+22	2,100780E+22	2,242572E+22	2,420619E+22
-2075	2,527526E+22	2,534666E+22	2,499803E+22	2,499799E+22	2,534694E+22	2,527599E+22	2,420683E+22	2,242603E+22	2,100799E+22	2,100809E+22	2,242638E+22	2,420741E+22
-2074	2,527639E+22	2,534682E+22	2,499758E+22	2,499754E+22	2,534666E+22	2,527585E+22	2,420655E+22	2,242556E+22	2,100748E+22	2,100764E+22	2,242579E+22	2,420643E+22
-2073	2,527533E+22	2,534585E+22	2,499685E+22	2,499732E+22	2,534678E+22	2,527601E+22	2,420678E+22	2,242569E+22	2,100730E+22	2,100719E+22	2,242541E+22	2,420656E+22
-2072	2,527631E+22	2,534738E+22	2,499789E+22	2,499762E+22	2,534678E+22	2,527594E+22	2,420665E+22	2,242558E+22	2,100735E+22	2,100751E+22	2,242604E+22	2,420718E+22
-2071	2,527625E+22	2,534694E+22	2,499754E+22	2,499712E+22	2,534616E+22	2,527559E+22	2,420669E+22	2,242581E+22	2,100743E+22	2,100714E+22	2,242509E+22	2,420587E+22
-2070	2,527497E+22	2,534601E+22	2,499756E+22	2,499787E+22	2,534687E+22	2,527590E+22	2,420682E+22	2,242603E+22	2,100781E+22	2,100764E+22	2,242560E+22	2,420655E+22
-2069	2,527621E+22	2,534724E+22	2,499814E+22	2,499818E+22	2,534709E+22	2,527589E+22	2,420647E+22	2,242559E+22	2,100771E+22	2,100805E+22	2,242629E+22	2,420677E+22
-2068	2,527553E+22	2,534626E+22	2,499707E+22	2,499721E+22	2,534665E+22	2,527603E+22	2,420692E+22	2,242594E+22	2,100773E+22	2,100772E+22	2,242578E+22	2,420631E+22
-2067	2,527520E+22	2,534633E+22	2,499769E+22	2,499781E+22	2,534692E+22	2,527615E+22	2,420717E+22	2,242645E+22	2,100838E+22	2,100832E+22	2,242644E+22	2,420750E+22
-2066	2,527675E+22	2,534730E+22	2,499798E+22	2,499778E+22	2,534672E+22	2,527587E+22	2,420683E+22	2,242624E+22	2,100842E+22	2,100848E+22	2,242630E+22	2,420665E+22
-2065	2,527555E+22	2,534636E+22	2,499743E+22	2,499764E+22	2,534672E+22	2,527588E+22	2,420704E+22	2,242661E+22	2,100870E+22	2,100848E+22	2,242605E+22	2,420650E+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°
-2064	2,527598E+22	2,534749E+22	2,499862E+22	2,499838E+22	2,534704E+22	2,527586E+22	2,420684E+22	2,242652E+22	2,100897E+22	2,100919E+22	2,242713E+22	2,420761E+22
-2063	2,527640E+22	2,534728E+22	2,499836E+22	2,499813E+22	2,534681E+22	2,527575E+22	2,420683E+22	2,242653E+22	2,100890E+22	2,100889E+22	2,242645E+22	2,420650E+22
-2062	2,527512E+22	2,534608E+22	2,499779E+22	2,499836E+22	2,534737E+22	2,527630E+22	2,420727E+22	2,242680E+22	2,100901E+22	2,100892E+22	2,242656E+22	2,420702E+22
-2061	2,527638E+22	2,534758E+22	2,499859E+22	2,499857E+22	2,534740E+22	2,527622E+22	2,420701E+22	2,242646E+22	2,100880E+22	2,100902E+22	2,242700E+22	2,420740E+22
-2060	2,527613E+22	2,534691E+22	2,499775E+22	2,499760E+22	2,534670E+22	2,527608E+22	2,420727E+22	2,242671E+22	2,100870E+22	2,100846E+22	2,242603E+22	2,420627E+22
-2059	2,527520E+22	2,534642E+22	2,499797E+22	2,499811E+22	2,534690E+22	2,527600E+22	2,420728E+22	2,242697E+22	2,100910E+22	2,100887E+22	2,242650E+22	2,420713E+22
-2058	2,527651E+22	2,534748E+22	2,499834E+22	2,499825E+22	2,534700E+22	2,527581E+22	2,420665E+22	2,242621E+22	2,100858E+22	2,100878E+22	2,242662E+22	2,420672E+22
-2057	2,527532E+22	2,534619E+22	2,499729E+22	2,499756E+22	2,534680E+22	2,527596E+22	2,420690E+22	2,242623E+22	2,100823E+22	2,100814E+22	2,242597E+22	2,420646E+22
-2056	2,527556E+22	2,534678E+22	2,499796E+22	2,499790E+22	2,534684E+22	2,527590E+22	2,420679E+22	2,242606E+22	2,100813E+22	2,100831E+22	2,242663E+22	2,420766E+22
-2055	2,527667E+22	2,534716E+22	2,499783E+22	2,499761E+22	2,534650E+22	2,527563E+22	2,420662E+22	2,242591E+22	2,100783E+22	2,100778E+22	2,242575E+22	2,420635E+22
-2054	2,527535E+22	2,534605E+22	2,499710E+22	2,499749E+22	2,534677E+22	2,527600E+22	2,420698E+22	2,242617E+22	2,100790E+22	2,100762E+22	2,242549E+22	2,420631E+22
-2053	2,527602E+22	2,534748E+22	2,499837E+22	2,499809E+22	2,534688E+22	2,527578E+22	2,420657E+22	2,242581E+22	2,100784E+22	2,100797E+22	2,242621E+22	2,420700E+22
-2052	2,527598E+22	2,534689E+22	2,499780E+22	2,499760E+22	2,534656E+22	2,527574E+22	2,420672E+22	2,242593E+22	2,100782E+22	2,100774E+22	2,242557E+22	2,420594E+22
-2051	2,527474E+22	2,534577E+22	2,499740E+22	2,499789E+22	2,534694E+22	2,527600E+22	2,420700E+22	2,242637E+22	2,100837E+22	2,100829E+22	2,242617E+22	2,420686E+22
-2050	2,527620E+22	2,534715E+22	2,499802E+22	2,499813E+22	2,534717E+22	2,527608E+22	2,420671E+22	2,242595E+22	2,100817E+22	2,100848E+22	2,242664E+22	2,420703E+22
-2049	2,527564E+22	2,534629E+22	2,499711E+22	2,499730E+22	2,534672E+22	2,527611E+22	2,420716E+22	2,242644E+22	2,100836E+22	2,100818E+22	2,242592E+22	2,420641E+22
-2048	2,527551E+22	2,534671E+22	2,499788E+22	2,499773E+22	2,534661E+22	2,527584E+22	2,420710E+22	2,242675E+22	2,100897E+22	2,100892E+22	2,242677E+22	2,420755E+22
-2047	2,527680E+22	2,534768E+22	2,499853E+22	2,499815E+22	2,534661E+22	2,527547E+22	2,420670E+22	2,242661E+22	2,100906E+22	2,100908E+22	2,242661E+22	2,420664E+22
-2046	2,527536E+22	2,534630E+22	2,499765E+22	2,499805E+22	2,534701E+22	2,527592E+22	2,420705E+22	2,242687E+22	2,100927E+22	2,100913E+22	2,242651E+22	2,420659E+22
-2045	2,527574E+22	2,534737E+22	2,499884E+22	2,499877E+22	2,534734E+22	2,527598E+22	2,420684E+22	2,242659E+22	2,100923E+22	2,100952E+22	2,242743E+22	2,420782E+22
-2044	2,527648E+22	2,534730E+22	2,499844E+22	2,499836E+22	2,534709E+22	2,527603E+22	2,420707E+22	2,242670E+22	2,100909E+22	2,100917E+22	2,242669E+22	2,420662E+22
-2043	2,527521E+22	2,534613E+22	2,499766E+22	2,499814E+22	2,534717E+22	2,527629E+22	2,420755E+22	2,242731E+22	2,100956E+22	2,100932E+22	2,242673E+22	2,420701E+22
-2042	2,527636E+22	2,534777E+22	2,499876E+22	2,499857E+22	2,534733E+22	2,527620E+22	2,420715E+22	2,242688E+22	2,100936E+22	2,100944E+22	2,242711E+22	2,420728E+22
-2041	2,527593E+22	2,534692E+22	2,499801E+22	2,499793E+22	2,534683E+22	2,527601E+22	2,420729E+22	2,242706E+22	2,100932E+22	2,100901E+22	2,242621E+22	2,420624E+22
-2040	2,527517E+22	2,534644E+22	2,499801E+22	2,499816E+22	2,534688E+22	2,527582E+22	2,420709E+22	2,242701E+22	2,100947E+22	2,100943E+22	2,242699E+22	2,420738E+22
-2039	2,527653E+22	2,534756E+22	2,499853E+22	2,499843E+22	2,534700E+22	2,527568E+22	2,420664E+22	2,242641E+22	2,100889E+22	2,100910E+22	2,242692E+22	2,420698E+22
-2038	2,527539E+22	2,534611E+22	2,499721E+22	2,499761E+22	2,534689E+22	2,527605E+22	2,420708E+22	2,242652E+22	2,100857E+22	2,100842E+22	2,242614E+22	2,420655E+22
-2037	2,527558E+22	2,534693E+22	2,499820E+22	2,499804E+22	2,534684E+22	2,527583E+22	2,420680E+22	2,242625E+22	2,100840E+22	2,100847E+22	2,242662E+22	2,420761E+22
-2036	2,527674E+22	2,534747E+22	2,499823E+22	2,499790E+22	2,534658E+22	2,527561E+22	2,420667E+22	2,242608E+22	2,100818E+22	2,100817E+22	2,242589E+22	2,420616E+22
-2035	2,527511E+22	2,534603E+22	2,499721E+22	2,499761E+22	2,534671E+22	2,527583E+22	2,420701E+22	2,242654E+22	2,100855E+22	2,100829E+22	2,242589E+22	2,420628E+22
-2034	2,527567E+22	2,534730E+22	2,499841E+22	2,499833E+22	2,534720E+22	2,527593E+22	2,420658E+22	2,242602E+22	2,100834E+22	2,100854E+22	2,242662E+22	2,420714E+22
-2033	2,527577E+22	2,534662E+22	2,499771E+22	2,499778E+22	2,534686E+22	2,527598E+22	2,420691E+22	2,242623E+22	2,100830E+22	2,100821E+22	2,242589E+22	2,420624E+22
-2032	2,527501E+22	2,534581E+22	2,499720E+22	2,499763E+22	2,534675E+22	2,527591E+22	2,420707E+22	2,242662E+22	2,100877E+22	2,100873E+22	2,242655E+22	2,420720E+22
-2031	2,527651E+22	2,534750E+22	2,499825E+22	2,499811E+22	2,534687E+22	2,527575E+22	2,420679E+22	2,242645E+22	2,100873E+22	2,100886E+22	2,242678E+22	2,420710E+22
-2030	2,527573E+22	2,534651E+22	2,499742E+22	2,499750E+22	2,534664E+22	2,527593E+22	2,420721E+22	2,242688E+22	2,100906E+22	2,100878E+22	2,242617E+22	2,420632E+22
-2029	2,527534E+22	2,534694E+22	2,499847E+22	2,499825E+22	2,534675E+22	2,527563E+22	2,420689E+22	2,242686E+22	2,100943E+22	2,100945E+22	2,242707E+22	2,420756E+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°
-2028	2,527670E+22	2,534779E+22	2,499892E+22	2,499870E+22	2,534707E+22	2,527566E+22	2,420670E+22	2,242663E+22	2,100938E+22	2,100963E+22	2,242704E+22	2,420672E+22
-2027	2,527522E+22	2,534620E+22	2,499765E+22	2,499817E+22	2,534719E+22	2,527614E+22	2,420733E+22	2,242725E+22	2,100977E+22	2,100966E+22	2,242692E+22	2,420680E+22
-2026	2,527572E+22	2,534730E+22	2,499878E+22	2,499885E+22	2,534760E+22	2,527628E+22	2,420717E+22	2,242702E+22	2,100969E+22	2,100984E+22	2,242754E+22	2,420786E+22
-2025	2,527649E+22	2,534733E+22	2,499848E+22	2,499845E+22	2,534722E+22	2,527621E+22	2,420743E+22	2,242729E+22	2,100976E+22	2,100958E+22	2,242672E+22	2,420660E+22
-2024	2,527535E+22	2,534636E+22	2,499777E+22	2,499799E+22	2,534685E+22	2,527600E+22	2,420754E+22	2,242769E+22	2,101021E+22	2,100996E+22	2,242709E+22	2,420705E+22
-2023	2,527624E+22	2,534787E+22	2,499908E+22	2,499877E+22	2,534712E+22	2,527575E+22	2,420701E+22	2,242723E+22	2,100997E+22	2,101003E+22	2,242748E+22	2,420734E+22
-2022	2,527573E+22	2,534673E+22	2,499806E+22	2,499815E+22	2,534699E+22	2,527595E+22	2,420719E+22	2,242719E+22	2,100979E+22	2,100963E+22	2,242672E+22	2,420646E+22
-2021	2,527507E+22	2,534640E+22	2,499817E+22	2,499831E+22	2,534694E+22	2,527573E+22	2,420688E+22	2,242686E+22	2,100953E+22	2,100964E+22	2,242725E+22	2,420766E+22
-2020	2,527675E+22	2,534770E+22	2,499864E+22	2,499854E+22	2,534713E+22	2,527577E+22	2,420667E+22	2,242636E+22	2,100893E+22	2,100925E+22	2,242702E+22	2,420703E+22
-2019	2,527554E+22	2,534632E+22	2,499729E+22	2,499752E+22	2,534675E+22	2,527599E+22	2,420723E+22	2,242686E+22	2,100898E+22	2,100869E+22	2,242618E+22	2,420646E+22
-2018	2,527551E+22	2,534709E+22	2,499845E+22	2,499826E+22	2,534699E+22	2,527587E+22	2,420687E+22	2,242654E+22	2,100884E+22	2,100877E+22	2,242657E+22	2,420736E+22
-2017	2,527647E+22	2,534741E+22	2,499851E+22	2,499836E+22	2,534696E+22	2,527577E+22	2,420679E+22	2,242643E+22	2,100874E+22	2,100865E+22	2,242604E+22	2,420611E+22
-2016	2,527499E+22	2,534594E+22	2,499720E+22	2,499764E+22	2,534677E+22	2,527584E+22	2,420701E+22	2,242673E+22	2,100902E+22	2,100891E+22	2,242641E+22	2,420653E+22
-2015	2,527558E+22	2,534719E+22	2,499846E+22	2,499840E+22	2,534716E+22	2,527590E+22	2,420680E+22	2,242645E+22	2,100882E+22	2,100900E+22	2,242697E+22	2,420740E+22
-2014	2,527583E+22	2,534651E+22	2,499759E+22	2,499774E+22	2,534689E+22	2,527607E+22	2,420716E+22	2,242671E+22	2,100893E+22	2,100877E+22	2,242622E+22	2,420640E+22
-2013	2,527511E+22	2,534607E+22	2,499747E+22	2,499764E+22	2,534657E+22	2,527570E+22	2,420702E+22	2,242688E+22	2,100926E+22	2,100915E+22	2,242673E+22	2,420728E+22
-2012	2,527669E+22	2,534789E+22	2,499874E+22	2,499840E+22	2,534686E+22	2,527559E+22	2,420671E+22	2,242661E+22	2,100925E+22	2,100948E+22	2,242709E+22	2,420705E+22
-2011	2,527563E+22	2,534663E+22	2,499773E+22	2,499777E+22	2,534666E+22	2,527573E+22	2,420713E+22	2,242719E+22	2,100971E+22	2,100951E+22	2,242665E+22	2,420641E+22
-2010	2,527516E+22	2,534686E+22	2,499864E+22	2,499867E+22	2,534723E+22	2,527584E+22	2,420688E+22	2,242700E+22	2,100984E+22	2,100994E+22	2,242741E+22	2,420770E+22
-2009	2,527661E+22	2,534767E+22	2,499901E+22	2,499902E+22	2,534750E+22	2,527604E+22	2,420700E+22	2,242696E+22	2,100980E+22	2,100999E+22	2,242724E+22	2,420692E+22
-2008	2,527542E+22	2,534627E+22	2,499756E+22	2,499798E+22	2,534707E+22	2,527617E+22	2,420754E+22	2,242764E+22	2,101025E+22	2,101010E+22	2,242720E+22	2,420695E+22
-2007	2,527582E+22	2,534751E+22	2,499903E+22	2,499887E+22	2,534734E+22	2,527609E+22	2,420740E+22	2,242765E+22	2,101036E+22	2,101027E+22	2,242762E+22	2,420776E+22
-2006	2,527640E+22	2,534737E+22	2,499867E+22	2,499858E+22	2,534715E+22	2,527606E+22	2,420749E+22	2,242774E+22	2,101051E+22	2,101028E+22	2,242701E+22	2,420646E+22
-2005	2,527508E+22	2,534640E+22	2,499812E+22	2,499828E+22	2,534687E+22	2,527573E+22	2,420726E+22	2,242771E+22	2,101060E+22	2,101049E+22	2,242747E+22	2,420718E+22
-2004	2,527621E+22	2,534788E+22	2,499931E+22	2,499907E+22	2,534736E+22	2,527580E+22	2,420687E+22	2,242709E+22	2,101014E+22	2,101051E+22	2,242793E+22	2,420756E+22
-2003	2,527573E+22	2,534661E+22	2,499799E+22	2,499811E+22	2,534697E+22	2,527598E+22	2,420728E+22	2,242735E+22	2,101005E+22	2,100998E+22	2,242706E+22	2,420674E+22
-2002	2,527521E+22	2,534642E+22	2,499814E+22	2,499839E+22	2,534717E+22	2,527592E+22	2,420702E+22	2,242704E+22	2,100972E+22	2,100974E+22	2,242721E+22	2,420766E+22
-2001	2,527687E+22	2,534788E+22	2,499882E+22	2,499867E+22	2,534727E+22	2,527595E+22	2,420692E+22	2,242675E+22	2,100936E+22	2,100944E+22	2,242688E+22	2,420688E+22
-2000	2,527561E+22	2,534654E+22	2,499751E+22	2,499750E+22	2,534655E+22	2,527580E+22	2,420724E+22	2,242717E+22	2,100951E+22	2,100921E+22	2,242642E+22	2,420637E+22
-1999	2,527529E+22	2,534705E+22	2,499875E+22	2,499855E+22	2,534696E+22	2,527566E+22	2,420690E+22	2,242695E+22	2,100942E+22	2,100931E+22	2,242684E+22	2,420730E+22
-1998	2,527615E+22	2,534709E+22	2,499845E+22	2,499853E+22	2,534720E+22	2,527591E+22	2,420689E+22	2,242671E+22	2,100929E+22	2,100931E+22	2,242653E+22	2,420628E+22
-1997	2,527487E+22	2,534585E+22	2,499726E+22	2,499763E+22	2,534674E+22	2,527581E+22	2,420700E+22	2,242682E+22	2,100928E+22	2,100929E+22	2,242678E+22	2,420686E+22
-1996	2,527586E+22	2,534733E+22	2,499855E+22	2,499837E+22	2,534710E+22	2,527589E+22	2,420686E+22	2,242660E+22	2,100916E+22	2,100942E+22	2,242721E+22	2,420751E+22
-1995	2,527603E+22	2,534676E+22	2,499777E+22	2,499765E+22	2,534662E+22	2,527585E+22	2,420723E+22	2,242714E+22	2,100956E+22	2,100934E+22	2,242649E+22	2,420643E+22
-1994	2,527514E+22	2,534630E+22	2,499788E+22	2,499803E+22	2,534675E+22	2,527560E+22	2,420692E+22	2,242711E+22	2,100979E+22	2,100965E+22	2,242689E+22	2,420716E+22
-1993	2,527655E+22	2,534796E+22	2,499917E+22	2,499898E+22	2,534732E+22	2,527575E+22	2,420677E+22	2,242689E+22	2,100980E+22	2,101002E+22	2,242737E+22	2,420712E+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	2,527561E+22	2,534666E+22	2,499792E+22	2,499798E+22	2,534686E+22	2,527584E+22	2,420720E+22	2,242739E+22	2,101018E+22	2,101013E+22	2,242717E+22	2,420667E+22
-1991	2,527512E+22	2,534677E+22	2,499878E+22	2,499886E+22	2,534730E+22	2,527596E+22	2,420724E+22	2,242752E+22	2,101033E+22	2,101034E+22	2,242763E+22	2,420778E+22
-1990	2,527660E+22	2,534755E+22	2,499895E+22	2,499907E+22	2,534763E+22	2,527628E+22	2,420739E+22	2,242755E+22	2,101049E+22	2,101055E+22	2,242750E+22	2,420692E+22
-1989	2,527540E+22	2,534649E+22	2,499784E+22	2,499794E+22	2,534685E+22	2,527599E+22	2,420758E+22	2,242797E+22	2,101080E+22	2,101060E+22	2,242742E+22	2,420695E+22
-1988	2,527582E+22	2,534764E+22	2,499934E+22	2,499904E+22	2,534725E+22	2,527588E+22	2,420730E+22	2,242782E+22	2,101092E+22	2,101098E+22	2,242800E+22	2,420770E+22
-1987	2,527622E+22	2,534728E+22	2,499878E+22	2,499871E+22	2,534710E+22	2,527583E+22	2,420734E+22	2,242795E+22	2,101108E+22	2,101101E+22	2,242760E+22	2,420670E+22
-1986	2,527502E+22	2,534623E+22	2,499810E+22	2,499851E+22	2,534718E+22	2,527580E+22	2,420711E+22	2,242764E+22	2,101079E+22	2,101082E+22	2,242778E+22	2,420743E+22
-1985	2,527634E+22	2,534785E+22	2,499933E+22	2,499922E+22	2,534759E+22	2,527603E+22	2,420704E+22	2,242723E+22	2,101029E+22	2,101061E+22	2,242801E+22	2,420779E+22
-1984	2,527608E+22	2,534684E+22	2,499804E+22	2,499795E+22	2,534676E+22	2,527589E+22	2,420736E+22	2,242756E+22	2,101028E+22	2,101015E+22	2,242714E+22	2,420678E+22
-1983	2,527534E+22	2,534670E+22	2,499851E+22	2,499850E+22	2,534694E+22	2,527576E+22	2,420723E+22	2,242751E+22	2,101015E+22	2,100994E+22	2,242707E+22	2,420733E+22
-1982	2,527666E+22	2,534790E+22	2,499910E+22	2,499898E+22	2,534741E+22	2,527598E+22	2,420705E+22	2,242715E+22	2,100998E+22	2,101001E+22	2,242705E+22	2,420658E+22
-1981	2,527524E+22	2,534653E+22	2,499784E+22	2,499778E+22	2,534667E+22	2,527575E+22	2,420713E+22	2,242727E+22	2,100990E+22	2,100972E+22	2,242677E+22	2,420643E+22
-1980	2,527514E+22	2,534687E+22	2,499882E+22	2,499877E+22	2,534720E+22	2,527583E+22	2,420694E+22	2,242701E+22	2,100979E+22	2,100991E+22	2,242731E+22	2,420745E+22
-1979	2,527609E+22	2,534686E+22	2,499828E+22	2,499843E+22	2,534712E+22	2,527594E+22	2,420711E+22	2,242709E+22	2,100980E+22	2,100986E+22	2,242701E+22	2,420661E+22
-1978	2,527505E+22	2,534583E+22	2,499719E+22	2,499767E+22	2,534684E+22	2,527584E+22	2,420709E+22	2,242710E+22	2,100970E+22	2,100964E+22	2,242694E+22	2,420697E+22
-1977	2,527609E+22	2,534762E+22	2,499883E+22	2,499850E+22	2,534708E+22	2,527588E+22	2,420701E+22	2,242701E+22	2,100972E+22	2,100983E+22	2,242736E+22	2,420754E+22
-1976	2,527617E+22	2,534704E+22	2,499813E+22	2,499778E+22	2,534640E+22	2,527552E+22	2,420709E+22	2,242737E+22	2,101014E+22	2,101001E+22	2,242694E+22	2,420650E+22
-1975	2,527504E+22	2,534638E+22	2,499832E+22	2,499847E+22	2,534685E+22	2,527549E+22	2,420694E+22	2,242741E+22	2,101031E+22	2,101022E+22	2,242724E+22	2,420718E+22
-1974	2,527636E+22	2,534777E+22	2,499923E+22	2,499928E+22	2,534768E+22	2,527603E+22	2,420693E+22	2,242715E+22	2,101030E+22	2,101061E+22	2,242778E+22	2,420720E+22
-1973	2,527553E+22	2,534666E+22	2,499805E+22	2,499806E+22	2,534691E+22	2,527594E+22	2,420733E+22	2,242759E+22	2,101049E+22	2,101046E+22	2,242743E+22	2,420689E+22
-1972	2,527533E+22	2,534687E+22	2,499889E+22	2,499893E+22	2,534732E+22	2,527602E+22	2,420741E+22	2,242784E+22	2,101084E+22	2,101082E+22	2,242780E+22	2,420770E+22
-1971	2,527658E+22	2,534765E+22	2,499908E+22	2,499901E+22	2,534738E+22	2,527609E+22	2,420754E+22	2,242809E+22	2,101123E+22	2,101120E+22	2,242783E+22	2,420692E+22
-1970	2,527532E+22	2,534651E+22	2,499808E+22	2,499827E+22	2,534699E+22	2,527586E+22	2,420748E+22	2,242820E+22	2,101135E+22	2,101116E+22	2,242770E+22	2,420693E+22
-1969	2,527573E+22	2,534766E+22	2,499957E+22	2,499937E+22	2,534750E+22	2,527595E+22	2,420731E+22	2,242801E+22	2,101135E+22	2,101146E+22	2,242836E+22	2,420789E+22
-1968	2,527629E+22	2,534730E+22	2,499884E+22	2,499873E+22	2,534707E+22	2,527578E+22	2,420730E+22	2,242802E+22	2,101137E+22	2,101146E+22	2,242809E+22	2,420704E+22
-1967	2,527516E+22	2,534628E+22	2,499825E+22	2,499865E+22	2,534714E+22	2,527582E+22	2,420735E+22	2,242797E+22	2,101105E+22	2,101099E+22	2,242785E+22	2,420747E+22
-1966	2,527644E+22	2,534791E+22	2,499936E+22	2,499929E+22	2,534770E+22	2,527619E+22	2,420730E+22	2,242764E+22	2,101075E+22	2,101092E+22	2,242805E+22	2,420761E+22
-1965	2,527604E+22	2,534717E+22	2,499845E+22	2,499806E+22	2,534662E+22	2,527574E+22	2,420738E+22	2,242780E+22	2,101067E+22	2,101046E+22	2,242721E+22	2,420663E+22
-1964	2,527523E+22	2,534677E+22	2,499885E+22	2,499884E+22	2,534700E+22	2,527565E+22	2,420716E+22	2,242769E+22	2,101068E+22	2,101055E+22	2,242733E+22	2,420708E+22
-1963	2,527627E+22	2,534765E+22	2,499914E+22	2,499916E+22	2,534750E+22	2,527593E+22	2,420706E+22	2,242742E+22	2,101055E+22	2,101071E+22	2,242762E+22	2,420677E+22
-1962	2,527507E+22	2,534621E+22	2,499769E+22	2,499797E+22	2,534697E+22	2,527589E+22	2,420714E+22	2,242734E+22	2,101019E+22	2,101014E+22	2,242715E+22	2,420669E+22
-1961	2,527526E+22	2,534678E+22	2,499868E+22	2,499874E+22	2,534728E+22	2,527603E+22	2,420720E+22	2,242730E+22	2,101010E+22	2,101016E+22	2,242756E+22	2,420776E+22
-1960	2,527645E+22	2,534711E+22	2,499830E+22	2,499820E+22	2,534678E+22	2,527572E+22	2,420714E+22	2,242739E+22	2,101024E+22	2,101027E+22	2,242732E+22	2,420681E+22
-1959	2,527528E+22	2,534618E+22	2,499759E+22	2,499780E+22	2,534655E+22	2,527556E+22	2,420717E+22	2,242750E+22	2,101019E+22	2,101000E+22	2,242699E+22	2,420680E+22
-1958	2,527600E+22	2,534774E+22	2,499920E+22	2,499893E+22	2,534726E+22	2,527584E+22	2,420701E+22	2,242731E+22	2,101032E+22	2,101046E+22	2,242767E+22	2,420738E+22
-1957	2,527595E+22	2,534721E+22	2,499860E+22	2,499821E+22	2,534661E+22	2,527550E+22	2,420697E+22	2,242741E+22	2,101046E+22	2,101049E+22	2,242733E+22	2,420662E+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	2,527497E+22	2,534631E+22	2,499851E+22	2,499881E+22	2,534716E+22	2,527573E+22	2,420706E+22	2,242757E+22	2,101072E+22	2,101076E+22	2,242758E+22	2,420720E+22
-1955	2,527624E+22	2,534761E+22	2,499916E+22	2,499932E+22	2,534777E+22	2,527622E+22	2,420731E+22	2,242769E+22	2,101092E+22	2,101116E+22	2,242816E+22	2,420739E+22
-1954	2,527562E+22	2,534662E+22	2,499800E+22	2,499816E+22	2,534705E+22	2,527605E+22	2,420756E+22	2,242806E+22	2,101108E+22	2,101090E+22	2,242757E+22	2,420686E+22
-1953	2,527542E+22	2,534704E+22	2,499906E+22	2,499901E+22	2,534726E+22	2,527603E+22	2,420766E+22	2,242838E+22	2,101153E+22	2,101136E+22	2,242806E+22	2,420771E+22
-1952	2,527655E+22	2,534777E+22	2,499931E+22	2,499908E+22	2,534712E+22	2,527569E+22	2,420739E+22	2,242838E+22	2,101189E+22	2,101197E+22	2,242842E+22	2,420711E+22
-1951	2,527524E+22	2,534651E+22	2,499833E+22	2,499855E+22	2,534696E+22	2,527568E+22	2,420743E+22	2,242840E+22	2,101178E+22	2,101168E+22	2,242811E+22	2,420709E+22
-1950	2,527568E+22	2,534755E+22	2,499959E+22	2,499957E+22	2,534771E+22	2,527609E+22	2,420738E+22	2,242815E+22	2,101170E+22	2,101192E+22	2,242874E+22	2,420805E+22
-1949	2,527638E+22	2,534752E+22	2,499903E+22	2,499879E+22	2,534702E+22	2,527573E+22	2,420730E+22	2,242807E+22	2,101148E+22	2,101160E+22	2,242821E+22	2,420720E+22
-1948	2,527542E+22	2,534657E+22	2,499850E+22	2,499880E+22	2,534717E+22	2,527582E+22	2,420739E+22	2,242817E+22	2,101141E+22	2,101127E+22	2,242781E+22	2,420722E+22
-1947	2,527631E+22	2,534803E+22	2,499958E+22	2,499942E+22	2,534762E+22	2,527610E+22	2,420744E+22	2,242808E+22	2,101134E+22	2,101139E+22	2,242820E+22	2,420745E+22
-1946	2,527578E+22	2,534704E+22	2,499863E+22	2,499854E+22	2,534696E+22	2,527576E+22	2,420735E+22	2,242801E+22	2,101111E+22	2,101090E+22	2,242740E+22	2,420654E+22
-1945	2,527502E+22	2,534662E+22	2,499888E+22	2,499913E+22	2,534734E+22	2,527590E+22	2,420734E+22	2,242795E+22	2,101107E+22	2,101098E+22	2,242774E+22	2,420729E+22
-1944	2,527616E+22	2,534744E+22	2,499896E+22	2,499905E+22	2,534739E+22	2,527590E+22	2,420714E+22	2,242763E+22	2,101091E+22	2,101119E+22	2,242816E+22	2,420718E+22
-1943	2,527522E+22	2,534619E+22	2,499765E+22	2,499791E+22	2,534679E+22	2,527586E+22	2,420741E+22	2,242772E+22	2,101055E+22	2,101042E+22	2,242734E+22	2,420685E+22
-1942	2,527546E+22	2,534696E+22	2,499869E+22	2,499866E+22	2,534715E+22	2,527597E+22	2,420734E+22	2,242769E+22	2,101064E+22	2,101061E+22	2,242772E+22	2,420766E+22
-1941	2,527651E+22	2,534756E+22	2,499873E+22	2,499827E+22	2,534650E+22	2,527538E+22	2,420699E+22	2,242755E+22	2,101065E+22	2,101067E+22	2,242751E+22	2,420680E+22
-1940	2,527529E+22	2,534640E+22	2,499806E+22	2,499828E+22	2,534669E+22	2,527536E+22	2,420693E+22	2,242759E+22	2,101072E+22	2,101061E+22	2,242728E+22	2,420666E+22
-1939	2,527571E+22	2,534760E+22	2,499933E+22	2,499925E+22	2,534749E+22	2,527587E+22	2,420703E+22	2,242755E+22	2,101084E+22	2,101107E+22	2,242816E+22	2,420758E+22
-1938	2,527583E+22	2,534697E+22	2,499859E+22	2,499860E+22	2,534705E+22	2,527575E+22	2,420711E+22	2,242759E+22	2,101078E+22	2,101084E+22	2,242760E+22	2,420680E+22
-1937	2,527509E+22	2,534634E+22	2,499848E+22	2,499889E+22	2,534731E+22	2,527601E+22	2,420749E+22	2,242806E+22	2,101117E+22	2,101106E+22	2,242779E+22	2,420733E+22
-1936	2,527632E+22	2,534777E+22	2,499922E+22	2,499917E+22	2,534747E+22	2,527604E+22	2,420748E+22	2,242822E+22	2,101160E+22	2,101173E+22	2,242847E+22	2,420748E+22
-1935	2,527567E+22	2,534686E+22	2,499836E+22	2,499831E+22	2,534682E+22	2,527582E+22	2,420772E+22	2,242859E+22	2,101180E+22	2,101151E+22	2,242778E+22	2,420673E+22
-1934	2,527526E+22	2,534707E+22	2,499928E+22	2,499933E+22	2,534740E+22	2,527594E+22	2,420764E+22	2,242873E+22	2,101226E+22	2,101215E+22	2,242853E+22	2,420768E+22
-1933	2,527639E+22	2,534793E+22	2,499961E+22	2,499935E+22	2,534721E+22	2,527559E+22	2,420722E+22	2,242839E+22	2,101222E+22	2,101248E+22	2,242892E+22	2,420746E+22
-1932	2,527533E+22	2,534655E+22	2,499852E+22	2,499885E+22	2,534718E+22	2,527575E+22	2,420739E+22	2,242847E+22	2,101210E+22	2,101210E+22	2,242840E+22	2,420722E+22
-1931	2,527570E+22	2,534752E+22	2,499960E+22	2,499965E+22	2,534778E+22	2,527619E+22	2,420761E+22	2,242853E+22	2,101212E+22	2,101226E+22	2,242899E+22	2,420822E+22
-1930	2,527651E+22	2,534760E+22	2,499914E+22	2,499904E+22	2,534722E+22	2,527582E+22	2,420744E+22	2,242836E+22	2,101185E+22	2,101182E+22	2,242818E+22	2,420706E+22
-1929	2,527541E+22	2,534677E+22	2,499874E+22	2,499899E+22	2,534723E+22	2,527590E+22	2,420764E+22	2,242861E+22	2,101191E+22	2,101163E+22	2,242795E+22	2,420709E+22
-1928	2,527603E+22	2,534799E+22	2,499973E+22	2,499956E+22	2,534755E+22	2,527589E+22	2,420738E+22	2,242836E+22	2,101192E+22	2,101202E+22	2,242867E+22	2,420758E+22
-1927	2,527560E+22	2,534687E+22	2,499864E+22	2,499865E+22	2,534698E+22	2,527575E+22	2,420743E+22	2,242822E+22	2,101150E+22	2,101134E+22	2,242773E+22	2,420668E+22
-1926	2,527493E+22	2,534640E+22	2,499863E+22	2,499906E+22	2,534742E+22	2,527602E+22	2,420749E+22	2,242818E+22	2,101144E+22	2,101141E+22	2,242809E+22	2,420748E+22
-1925	2,527630E+22	2,534766E+22	2,499900E+22	2,499889E+22	2,534712E+22	2,527569E+22	2,420710E+22	2,242774E+22	2,101110E+22	2,101137E+22	2,242835E+22	2,420744E+22
-1924	2,527553E+22	2,534655E+22	2,499791E+22	2,499797E+22	2,534662E+22	2,527560E+22	2,420726E+22	2,242789E+22	2,101098E+22	2,101076E+22	2,242737E+22	2,420668E+22
-1923	2,527539E+22	2,534718E+22	2,499904E+22	2,499888E+22	2,534707E+22	2,527574E+22	2,420729E+22	2,242800E+22	2,101121E+22	2,101114E+22	2,242797E+22	2,420761E+22
-1922	2,527636E+22	2,534757E+22	2,499907E+22	2,499890E+22	2,534691E+22	2,527536E+22	2,420685E+22	2,242764E+22	2,101103E+22	2,101110E+22	2,242772E+22	2,420674E+22
-1921	2,527514E+22	2,534641E+22	2,499826E+22	2,499870E+22	2,534713E+22	2,527570E+22	2,420717E+22	2,242787E+22	2,101110E+22	2,101100E+22	2,242764E+22	2,420681E+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												
-1920	2,527553E+22	2,534745E+22	2,499932E+22	2,499934E+22	2,534757E+22	2,527598E+22	2,420727E+22	2,242795E+22	2,101136E+22	2,101158E+22	2,242858E+22	2,420786E+22
-1919	2,527591E+22	2,534695E+22	2,499859E+22	2,499862E+22	2,534705E+22	2,527590E+22	2,420755E+22	2,242818E+22	2,101138E+22	2,101127E+22	2,242777E+22	2,420682E+22
-1918	2,527514E+22	2,534645E+22	2,499848E+22	2,499885E+22	2,534727E+22	2,527607E+22	2,420779E+22	2,242869E+22	2,101199E+22	2,101176E+22	2,242809E+22	2,420723E+22
-1917	2,527624E+22	2,534808E+22	2,499958E+22	2,499925E+22	2,534720E+22	2,527568E+22	2,420737E+22	2,242852E+22	2,101224E+22	2,101241E+22	2,242891E+22	2,420762E+22
-1916	2,527564E+22	2,534699E+22	2,499873E+22	2,499871E+22	2,534690E+22	2,527554E+22	2,420740E+22	2,242872E+22	2,101247E+22	2,101230E+22	2,242828E+22	2,420683E+22
-1915	2,527509E+22	2,534697E+22	2,499937E+22	2,499955E+22	2,534755E+22	2,527591E+22	2,420755E+22	2,242887E+22	2,101274E+22	2,101280E+22	2,242913E+22	2,420807E+22
-1914	2,527645E+22	2,534779E+22	2,499963E+22	2,499967E+22	2,534755E+22	2,527574E+22	2,420725E+22	2,242845E+22	2,101240E+22	2,101271E+22	2,242912E+22	2,420770E+22
-1913	2,527564E+22	2,534681E+22	2,499865E+22	2,499897E+22	2,534734E+22	2,527598E+22	2,420772E+22	2,242882E+22	2,101235E+22	2,101220E+22	2,242847E+22	2,420731E+22
-1912	2,527578E+22	2,534774E+22	2,499977E+22	2,499961E+22	2,534756E+22	2,527602E+22	2,420772E+22	2,242893E+22	2,101262E+22	2,101259E+22	2,242906E+22	2,420816E+22
-1911	2,527646E+22	2,534775E+22	2,499947E+22	2,499926E+22	2,534719E+22	2,527578E+22	2,420763E+22	2,242877E+22	2,101239E+22	2,101223E+22	2,242822E+22	2,420680E+22
-1910	2,527513E+22	2,534671E+22	2,499885E+22	2,499923E+22	2,534744E+22	2,527596E+22	2,420771E+22	2,242892E+22	2,101250E+22	2,101226E+22	2,242828E+22	2,420695E+22
-1909	2,527570E+22	2,534792E+22	2,499978E+22	2,499960E+22	2,534755E+22	2,527583E+22	2,420730E+22	2,242841E+22	2,101220E+22	2,101244E+22	2,242908E+22	2,420787E+22
-1908	2,527564E+22	2,534681E+22	2,499864E+22	2,499873E+22	2,534703E+22	2,527571E+22	2,420737E+22	2,242837E+22	2,101191E+22	2,101176E+22	2,242799E+22	2,420683E+22
-1907	2,527500E+22	2,534638E+22	2,499852E+22	2,499892E+22	2,534729E+22	2,527593E+22	2,420758E+22	2,242853E+22	2,101191E+22	2,101180E+22	2,242835E+22	2,420769E+22
-1906	2,527647E+22	2,534779E+22	2,499916E+22	2,499905E+22	2,534713E+22	2,527556E+22	2,420707E+22	2,242795E+22	2,101147E+22	2,101165E+22	2,242838E+22	2,420740E+22
-1905	2,527562E+22	2,534689E+22	2,499834E+22	2,499828E+22	2,534667E+22	2,527552E+22	2,420730E+22	2,242817E+22	2,101139E+22	2,101115E+22	2,242759E+22	2,420664E+22
-1904	2,527514E+22	2,534718E+22	2,499932E+22	2,499920E+22	2,534715E+22	2,527555E+22	2,420714E+22	2,242817E+22	2,101171E+22	2,101172E+22	2,242840E+22	2,420777E+22
-1903	2,527622E+22	2,534746E+22	2,499920E+22	2,499917E+22	2,534720E+22	2,527559E+22	2,420703E+22	2,242784E+22	2,101140E+22	2,101154E+22	2,242800E+22	2,420685E+22
-1902	2,527507E+22	2,534629E+22	2,499816E+22	2,499876E+22	2,534737E+22	2,527602E+22	2,420751E+22	2,242829E+22	2,101162E+22	2,101152E+22	2,242793E+22	2,420687E+22
-1901	2,527555E+22	2,534761E+22	2,499938E+22	2,499925E+22	2,534743E+22	2,527593E+22	2,420743E+22	2,242833E+22	2,101185E+22	2,101198E+22	2,242880E+22	2,420802E+22
-1900	2,527608E+22	2,534722E+22	2,499886E+22	2,499873E+22	2,534693E+22	2,527568E+22	2,420751E+22	2,242862E+22	2,101217E+22	2,101191E+22	2,242796E+22	2,420671E+22
-1899	2,527499E+22	2,534653E+22	2,499874E+22	2,499902E+22	2,534720E+22	2,527585E+22	2,420778E+22	2,242913E+22	2,101278E+22	2,101256E+22	2,242859E+22	2,420739E+22
-1898	2,527613E+22	2,534799E+22	2,499984E+22	2,499976E+22	2,534750E+22	2,527562E+22	2,420723E+22	2,242863E+22	2,101270E+22	2,101299E+22	2,242933E+22	2,420781E+22
-1897	2,527568E+22	2,534707E+22	2,499894E+22	2,499901E+22	2,534719E+22	2,527576E+22	2,420755E+22	2,242890E+22	2,101276E+22	2,101271E+22	2,242874E+22	2,420714E+22
-1896	2,527511E+22	2,534696E+22	2,499945E+22	2,499964E+22	2,534758E+22	2,527592E+22	2,420766E+22	2,242914E+22	2,101313E+22	2,101320E+22	2,242946E+22	2,420838E+22
-1895	2,527671E+22	2,534797E+22	2,499973E+22	2,499968E+22	2,534757E+22	2,527590E+22	2,420757E+22	2,242885E+22	2,101281E+22	2,101295E+22	2,242908E+22	2,420757E+22
-1894	2,527566E+22	2,534702E+22	2,499881E+22	2,499901E+22	2,534735E+22	2,527607E+22	2,420799E+22	2,242934E+22	2,101301E+22	2,101270E+22	2,242851E+22	2,420699E+22
-1893	2,527554E+22	2,534792E+22	2,500013E+22	2,499978E+22	2,534742E+22	2,527575E+22	2,420764E+22	2,242919E+22	2,101314E+22	2,101311E+22	2,242929E+22	2,420810E+22
-1892	2,527624E+22	2,534767E+22	2,499969E+22	2,499958E+22	2,534732E+22	2,527559E+22	2,420737E+22	2,242892E+22	2,101298E+22	2,101287E+22	2,242859E+22	2,420680E+22
-1891	2,527483E+22	2,534640E+22	2,499872E+22	2,499923E+22	2,534752E+22	2,527600E+22	2,420773E+22	2,242908E+22	2,101292E+22	2,101283E+22	2,242882E+22	2,420733E+22
-1890	2,527574E+22	2,534766E+22	2,499965E+22	2,499966E+22	2,534765E+22	2,527587E+22	2,420732E+22	2,242846E+22	2,101235E+22	2,101264E+22	2,242925E+22	2,420812E+22
-1889	2,527596E+22	2,534706E+22	2,499874E+22	2,499867E+22	2,534696E+22	2,527573E+22	2,420753E+22	2,242863E+22	2,101213E+22	2,101193E+22	2,242812E+22	2,420694E+22
-1888	2,527510E+22	2,534663E+22	2,499880E+22	2,499893E+22	2,534702E+22	2,527561E+22	2,420748E+22	2,242877E+22	2,101237E+22	2,101219E+22	2,242849E+22	2,420770E+22
-1887	2,527650E+22	2,534799E+22	2,499955E+22	2,499934E+22	2,534721E+22	2,527552E+22	2,420709E+22	2,242817E+22	2,101191E+22	2,101205E+22	2,242846E+22	2,420720E+22
-1886	2,527542E+22	2,534690E+22	2,499859E+22	2,499866E+22	2,534707E+22	2,527573E+22	2,420740E+22	2,242842E+22	2,101190E+22	2,101173E+22	2,242790E+22	2,420655E+22
-1885	2,527490E+22	2,534713E+22	2,499947E+22	2,499938E+22	2,534732E+22	2,527568E+22	2,420723E+22	2,242833E+22	2,101202E+22	2,101213E+22	2,242874E+22	2,420799E+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	2,527625E+22	2,534741E+22	2,499927E+22	2,499934E+22	2,534738E+22	2,527571E+22	2,420718E+22	2,242822E+22	2,101199E+22	2,101203E+22	2,242824E+22	2,420693E+22
-1883	2,527507E+22	2,534627E+22	2,499809E+22	2,499862E+22	2,534731E+22	2,527608E+22	2,420781E+22	2,242887E+22	2,101236E+22	2,101215E+22	2,242829E+22	2,420703E+22
-1882	2,527559E+22	2,534760E+22	2,499953E+22	2,499937E+22	2,534738E+22	2,527583E+22	2,420751E+22	2,242873E+22	2,101249E+22	2,101255E+22	2,242902E+22	2,420802E+22
-1881	2,527614E+22	2,534748E+22	2,499926E+22	2,499900E+22	2,534693E+22	2,527554E+22	2,420754E+22	2,242899E+22	2,101278E+22	2,101260E+22	2,242848E+22	2,420685E+22
-1880	2,527484E+22	2,534650E+22	2,499895E+22	2,499923E+22	2,534717E+22	2,527555E+22	2,420753E+22	2,242927E+22	2,101334E+22	2,101327E+22	2,242918E+22	2,420774E+22
-1879	2,527621E+22	2,534797E+22	2,499995E+22	2,499990E+22	2,534767E+22	2,527579E+22	2,420732E+22	2,242875E+22	2,101301E+22	2,101340E+22	2,242964E+22	2,420801E+22
-1878	2,527583E+22	2,534718E+22	2,499906E+22	2,499912E+22	2,534735E+22	2,527595E+22	2,420779E+22	2,242921E+22	2,101315E+22	2,101307E+22	2,242889E+22	2,420714E+22
-1877	2,527524E+22	2,534727E+22	2,499968E+22	2,499964E+22	2,534744E+22	2,527582E+22	2,420774E+22	2,242941E+22	2,101348E+22	2,101344E+22	2,242948E+22	2,420832E+22
-1876	2,527679E+22	2,534827E+22	2,500015E+22	2,499996E+22	2,534760E+22	2,527574E+22	2,420752E+22	2,242924E+22	2,101350E+22	2,101345E+22	2,242910E+22	2,420726E+22
-1875	2,527535E+22	2,534698E+22	2,499905E+22	2,499925E+22	2,534744E+22	2,527601E+22	2,420803E+22	2,242972E+22	2,101371E+22	2,101340E+22	2,242891E+22	2,420697E+22
-1874	2,527522E+22	2,534756E+22	2,500022E+22	2,500018E+22	2,534774E+22	2,527583E+22	2,420761E+22	2,242931E+22	2,101352E+22	2,101360E+22	2,242963E+22	2,420820E+22
-1873	2,527617E+22	2,534756E+22	2,499973E+22	2,499973E+22	2,534751E+22	2,527579E+22	2,420757E+22	2,242911E+22	2,101321E+22	2,101327E+22	2,242907E+22	2,420711E+22
-1872	2,527484E+22	2,534624E+22	2,499860E+22	2,499910E+22	2,534737E+22	2,527590E+22	2,420778E+22	2,242932E+22	2,101327E+22	2,101320E+22	2,242917E+22	2,420769E+22
-1871	2,527608E+22	2,534782E+22	2,499965E+22	2,499949E+22	2,534752E+22	2,527593E+22	2,420751E+22	2,242874E+22	2,101269E+22	2,101289E+22	2,242928E+22	2,420807E+22
-1870	2,527610E+22	2,534737E+22	2,499902E+22	2,499873E+22	2,534688E+22	2,527568E+22	2,420764E+22	2,242896E+22	2,101265E+22	2,101239E+22	2,242821E+22	2,420671E+22
-1869	2,527501E+22	2,534688E+22	2,499922E+22	2,499920E+22	2,534696E+22	2,527534E+22	2,420728E+22	2,242886E+22	2,101274E+22	2,101264E+22	2,242874E+22	2,420769E+22
-1868	2,527640E+22	2,534799E+22	2,499985E+22	2,499977E+22	2,534750E+22	2,527545E+22	2,420688E+22	2,242829E+22	2,101241E+22	2,101258E+22	2,242874E+22	2,420718E+22
-1867	2,527518E+22	2,534665E+22	2,499855E+22	2,499877E+22	2,534730E+22	2,527598E+22	2,420761E+22	2,242870E+22	2,101235E+22	2,101226E+22	2,242835E+22	2,420685E+22
-1866	2,527491E+22	2,534686E+22	2,499941E+22	2,499952E+22	2,534747E+22	2,527585E+22	2,420747E+22	2,242863E+22	2,101236E+22	2,101242E+22	2,242888E+22	2,420808E+22
-1865	2,527645E+22	2,534762E+22	2,499941E+22	2,499931E+22	2,534730E+22	2,527577E+22	2,420748E+22	2,242870E+22	2,101246E+22	2,101244E+22	2,242850E+22	2,420696E+22
-1864	2,527504E+22	2,534640E+22	2,499836E+22	2,499864E+22	2,534700E+22	2,527575E+22	2,420778E+22	2,242929E+22	2,101309E+22	2,101285E+22	2,242866E+22	2,420713E+22
-1863	2,527565E+22	2,534774E+22	2,499981E+22	2,499954E+22	2,534738E+22	2,527575E+22	2,420748E+22	2,242898E+22	2,101308E+22	2,101320E+22	2,242934E+22	2,420796E+22
-1862	2,527604E+22	2,534751E+22	2,499950E+22	2,499931E+22	2,534718E+22	2,527563E+22	2,420755E+22	2,242921E+22	2,101334E+22	2,101329E+22	2,242892E+22	2,420693E+22
-1861	2,527482E+22	2,534658E+22	2,499917E+22	2,499945E+22	2,534727E+22	2,527555E+22	2,420751E+22	2,242936E+22	2,101363E+22	2,101368E+22	2,242956E+22	2,420804E+22
-1860	2,527641E+22	2,534807E+22	2,500015E+22	2,500015E+22	2,534783E+22	2,527578E+22	2,420737E+22	2,242909E+22	2,101355E+22	2,101379E+22	2,242977E+22	2,420800E+22
-1859	2,527586E+22	2,534727E+22	2,499919E+22	2,499917E+22	2,534739E+22	2,527608E+22	2,420808E+22	2,242972E+22	2,101378E+22	2,101359E+22	2,242912E+22	2,420714E+22
-1858	2,527516E+22	2,534725E+22	2,499998E+22	2,499995E+22	2,534748E+22	2,527579E+22	2,420786E+22	2,242977E+22	2,101403E+22	2,101391E+22	2,242958E+22	2,420810E+22
-1857	2,527662E+22	2,534836E+22	2,500050E+22	2,500030E+22	2,534773E+22	2,527573E+22	2,420761E+22	2,242955E+22	2,101399E+22	2,101406E+22	2,242959E+22	2,420729E+22
-1856	2,527503E+22	2,534671E+22	2,499907E+22	2,499937E+22	2,534746E+22	2,527589E+22	2,420792E+22	2,242989E+22	2,101421E+22	2,101407E+22	2,242950E+22	2,420734E+22
-1855	2,527528E+22	2,534735E+22	2,500000E+22	2,500005E+22	2,534781E+22	2,527606E+22	2,420777E+22	2,242943E+22	2,101378E+22	2,101394E+22	2,242992E+22	2,420841E+22
-1854	2,527638E+22	2,534761E+22	2,499966E+22	2,499962E+22	2,534747E+22	2,527588E+22	2,420778E+22	2,242942E+22	2,101356E+22	2,101357E+22	2,242922E+22	2,420720E+22
-1853	2,527512E+22	2,534659E+22	2,499879E+22	2,499901E+22	2,534705E+22	2,527560E+22	2,420770E+22	2,242947E+22	2,101352E+22	2,101339E+22	2,242921E+22	2,420771E+22
-1852	2,527626E+22	2,534818E+22	2,500012E+22	2,499978E+22	2,534744E+22	2,527560E+22	2,420732E+22	2,242899E+22	2,101322E+22	2,101328E+22	2,242931E+22	2,420781E+22
-1851	2,527590E+22	2,534743E+22	2,499937E+22	2,499909E+22	2,534705E+22	2,527566E+22	2,420763E+22	2,242918E+22	2,101313E+22	2,101294E+22	2,242856E+22	2,420670E+22
-1850	2,527473E+22	2,534661E+22	2,499942E+22	2,499966E+22	2,534733E+22	2,527553E+22	2,420734E+22	2,242895E+22	2,101301E+22	2,101299E+22	2,242896E+22	2,420767E+22
-1849	2,527631E+22	2,534796E+22	2,499999E+22	2,500002E+22	2,534779E+22	2,527580E+22	2,420722E+22	2,242858E+22	2,101268E+22	2,101295E+22	2,242913E+22	2,420736E+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	2,527514E+22	2,534649E+22	2,499844E+22	2,499869E+22	2,534718E+22	2,527596E+22	2,420781E+22	2,242915E+22	2,101291E+22	2,101274E+22	2,242867E+22	2,420707E+22
-1847	2,527512E+22	2,534690E+22	2,499931E+22	2,499930E+22	2,534735E+22	2,527597E+22	2,420776E+22	2,242911E+22	2,101298E+22	2,101291E+22	2,242903E+22	2,420796E+22
-1846	2,527646E+22	2,534782E+22	2,499970E+22	2,499941E+22	2,534715E+22	2,527563E+22	2,420760E+22	2,242919E+22	2,101322E+22	2,101317E+22	2,242883E+22	2,420687E+22
-1845	2,527496E+22	2,534654E+22	2,499870E+22	2,499888E+22	2,534685E+22	2,527534E+22	2,420748E+22	2,242940E+22	2,101361E+22	2,101352E+22	2,242917E+22	2,420732E+22
-1844	2,527566E+22	2,534779E+22	2,500009E+22	2,499994E+22	2,534757E+22	2,527556E+22	2,420722E+22	2,242909E+22	2,101362E+22	2,101383E+22	2,242980E+22	2,420813E+22
-1843	2,527601E+22	2,534745E+22	2,499957E+22	2,499948E+22	2,534738E+22	2,527580E+22	2,420768E+22	2,242940E+22	2,101372E+22	2,101380E+22	2,242939E+22	2,420725E+22
-1842	2,527495E+22	2,534655E+22	2,499932E+22	2,499970E+22	2,534743E+22	2,527570E+22	2,420771E+22	2,242961E+22	2,101391E+22	2,101388E+22	2,242960E+22	2,420803E+22
-1841	2,527659E+22	2,534843E+22	2,500050E+22	2,500036E+22	2,534790E+22	2,527590E+22	2,420767E+22	2,242953E+22	2,101398E+22	2,101414E+22	2,242993E+22	2,420789E+22
-1840	2,527569E+22	2,534733E+22	2,499949E+22	2,499939E+22	2,534730E+22	2,527591E+22	2,420815E+22	2,243019E+22	2,101449E+22	2,101422E+22	2,242942E+22	2,420714E+22
-1839	2,527506E+22	2,534716E+22	2,500006E+22	2,500014E+22	2,534769E+22	2,527596E+22	2,420800E+22	2,243009E+22	2,101460E+22	2,101451E+22	2,242990E+22	2,420799E+22
-1838	2,527637E+22	2,534823E+22	2,500056E+22	2,500049E+22	2,534793E+22	2,527593E+22	2,420780E+22	2,242986E+22	2,101451E+22	2,101467E+22	2,243002E+22	2,420743E+22
-1837	2,527504E+22	2,534666E+22	2,499905E+22	2,499936E+22	2,534736E+22	2,527581E+22	2,420794E+22	2,243002E+22	2,101449E+22	2,101444E+22	2,242989E+22	2,420770E+22
-1836	2,527558E+22	2,534750E+22	2,500004E+22	2,500005E+22	2,534769E+22	2,527585E+22	2,420774E+22	2,242976E+22	2,101425E+22	2,101427E+22	2,243005E+22	2,420844E+22
-1835	2,527650E+22	2,534782E+22	2,499977E+22	2,499957E+22	2,534733E+22	2,527580E+22	2,420789E+22	2,242977E+22	2,101406E+22	2,101399E+22	2,242944E+22	2,420723E+22
-1834	2,527511E+22	2,534673E+22	2,499921E+22	2,499938E+22	2,534703E+22	2,527542E+22	2,420764E+22	2,242964E+22	2,101387E+22	2,101370E+22	2,242928E+22	2,420753E+22
-1833	2,527614E+22	2,534833E+22	2,500052E+22	2,500023E+22	2,534764E+22	2,527557E+22	2,420728E+22	2,242909E+22	2,101349E+22	2,101371E+22	2,242969E+22	2,420779E+22
-1832	2,527556E+22	2,534717E+22	2,499943E+22	2,499935E+22	2,534721E+22	2,527568E+22	2,420760E+22	2,242931E+22	2,101350E+22	2,101343E+22	2,242901E+22	2,420698E+22
-1831	2,527478E+22	2,534642E+22	2,499919E+22	2,499958E+22	2,534750E+22	2,527588E+22	2,420762E+22	2,242917E+22	2,101329E+22	2,101329E+22	2,242914E+22	2,420767E+22
-1830	2,527630E+22	2,534796E+22	2,499993E+22	2,499994E+22	2,534776E+22	2,527593E+22	2,420757E+22	2,242906E+22	2,101319E+22	2,101333E+22	2,242925E+22	2,420734E+22
-1829	2,527528E+22	2,534671E+22	2,499859E+22	2,499864E+22	2,534687E+22	2,527565E+22	2,420778E+22	2,242948E+22	2,101345E+22	2,101321E+22	2,242890E+22	2,420712E+22
-1828	2,527522E+22	2,534715E+22	2,499964E+22	2,499954E+22	2,534718E+22	2,527553E+22	2,420757E+22	2,242950E+22	2,101373E+22	2,101356E+22	2,242931E+22	2,420786E+22
-1827	2,527627E+22	2,534783E+22	2,499992E+22	2,499972E+22	2,534730E+22	2,527556E+22	2,420754E+22	2,242943E+22	2,101382E+22	2,101392E+22	2,242944E+22	2,420709E+22
-1826	2,527482E+22	2,534643E+22	2,499898E+22	2,499934E+22	2,534713E+22	2,527542E+22	2,420746E+22	2,242946E+22	2,101387E+22	2,101392E+22	2,242953E+22	2,420752E+22
-1825	2,527576E+22	2,534791E+22	2,500034E+22	2,500026E+22	2,534783E+22	2,527580E+22	2,420746E+22	2,242930E+22	2,101385E+22	2,101419E+22	2,243021E+22	2,420835E+22
-1824	2,527606E+22	2,534747E+22	2,499965E+22	2,499959E+22	2,534740E+22	2,527585E+22	2,420790E+22	2,242985E+22	2,101427E+22	2,101424E+22	2,242964E+22	2,420742E+22
-1823	2,527517E+22	2,534675E+22	2,499937E+22	2,499965E+22	2,534748E+22	2,527594E+22	2,420805E+22	2,243013E+22	2,101455E+22	2,101434E+22	2,242965E+22	2,420774E+22
-1822	2,527641E+22	2,534860E+22	2,500086E+22	2,500061E+22	2,534792E+22	2,527591E+22	2,420792E+22	2,243012E+22	2,101478E+22	2,101483E+22	2,243017E+22	2,420774E+22
-1821	2,527551E+22	2,534731E+22	2,499968E+22	2,499964E+22	2,534727E+22	2,527564E+22	2,420800E+22	2,243042E+22	2,101508E+22	2,101491E+22	2,242994E+22	2,420733E+22
-1820	2,527500E+22	2,534705E+22	2,500007E+22	2,500033E+22	2,534777E+22	2,527580E+22	2,420789E+22	2,243034E+22	2,101516E+22	2,101510E+22	2,243037E+22	2,420820E+22
-1819	2,527635E+22	2,534811E+22	2,500044E+22	2,500044E+22	2,534794E+22	2,527600E+22	2,420795E+22	2,243010E+22	2,101488E+22	2,101512E+22	2,243049E+22	2,420781E+22
-1818	2,527520E+22	2,534673E+22	2,499916E+22	2,499940E+22	2,534723E+22	2,527569E+22	2,420796E+22	2,243017E+22	2,101468E+22	2,101456E+22	2,242992E+22	2,420773E+22
-1817	2,527582E+22	2,534797E+22	2,500047E+22	2,500024E+22	2,534762E+22	2,527572E+22	2,420776E+22	2,242994E+22	2,101452E+22	2,101456E+22	2,243020E+22	2,420834E+22
-1816	2,527638E+22	2,534796E+22	2,500012E+22	2,499987E+22	2,534727E+22	2,527553E+22	2,420773E+22	2,242996E+22	2,101453E+22	2,101445E+22	2,242964E+22	2,420719E+22
-1815	2,527501E+22	2,534670E+22	2,499929E+22	2,499964E+22	2,534739E+22	2,527566E+22	2,420768E+22	2,242977E+22	2,101420E+22	2,101407E+22	2,242943E+22	2,420733E+22
-1814	2,527581E+22	2,534820E+22	2,500064E+22	2,500053E+22	2,534799E+22	2,527588E+22	2,420755E+22	2,242940E+22	2,101388E+22	2,101409E+22	2,242992E+22	2,420786E+22
-1813	2,527550E+22	2,534703E+22	2,499934E+22	2,499938E+22	2,534721E+22	2,527569E+22	2,420774E+22	2,242958E+22	2,101383E+22	2,101376E+22	2,242930E+22	2,420722E+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	2,527496E+22	2,534647E+22	2,499909E+22	2,499952E+22	2,534740E+22	2,527576E+22	2,420778E+22	2,242969E+22	2,101391E+22	2,101372E+22	2,242932E+22	2,420766E+22
-1811	2,527627E+22	2,534806E+22	2,499997E+22	2,499984E+22	2,534757E+22	2,527585E+22	2,420774E+22	2,242954E+22	2,101387E+22	2,101397E+22	2,242963E+22	2,420742E+22
-1810	2,527517E+22	2,534681E+22	2,499896E+22	2,499892E+22	2,534675E+22	2,527534E+22	2,420765E+22	2,242969E+22	2,101395E+22	2,101375E+22	2,242921E+22	2,420713E+22
-1809	2,527518E+22	2,534735E+22	2,500003E+22	2,499996E+22	2,534735E+22	2,527540E+22	2,420740E+22	2,242955E+22	2,101411E+22	2,101419E+22	2,242990E+22	2,420807E+22
-1808	2,527613E+22	2,534771E+22	2,500000E+22	2,499996E+22	2,534744E+22	2,527554E+22	2,420747E+22	2,242955E+22	2,101423E+22	2,101445E+22	2,242994E+22	2,420752E+22
-1807	2,527507E+22	2,534647E+22	2,499889E+22	2,499938E+22	2,534739E+22	2,527578E+22	2,420774E+22	2,242972E+22	2,101418E+22	2,101418E+22	2,242966E+22	2,420754E+22
-1806	2,527586E+22	2,534814E+22	2,500055E+22	2,500040E+22	2,534791E+22	2,527598E+22	2,420786E+22	2,242987E+22	2,101441E+22	2,101451E+22	2,243021E+22	2,420826E+22
-1805	2,527615E+22	2,534775E+22	2,499997E+22	2,499976E+22	2,534727E+22	2,527566E+22	2,420798E+22	2,243029E+22	2,101492E+22	2,101475E+22	2,242981E+22	2,420735E+22
-1804	2,527514E+22	2,534694E+22	2,499971E+22	2,499999E+22	2,534749E+22	2,527568E+22	2,420805E+22	2,243066E+22	2,101538E+22	2,101507E+22	2,242995E+22	2,420755E+22
-1803	2,527600E+22	2,534843E+22	2,500096E+22	2,500088E+22	2,534814E+22	2,527599E+22	2,420801E+22	2,243048E+22	2,101547E+22	2,101563E+22	2,243079E+22	2,420795E+22
-1802	2,527529E+22	2,534712E+22	2,499982E+22	2,499991E+22	2,534743E+22	2,527568E+22	2,420803E+22	2,243058E+22	2,101544E+22	2,101537E+22	2,243035E+22	2,420762E+22
-1801	2,527514E+22	2,534713E+22	2,500015E+22	2,500042E+22	2,534781E+22	2,527581E+22	2,420799E+22	2,243050E+22	2,101541E+22	2,101549E+22	2,243078E+22	2,420847E+22
-1800	2,527644E+22	2,534815E+22	2,500041E+22	2,500037E+22	2,534779E+22	2,527586E+22	2,420799E+22	2,243040E+22	2,101533E+22	2,101550E+22	2,243072E+22	2,420804E+22
-1799	2,527548E+22	2,534703E+22	2,499928E+22	2,499938E+22	2,534722E+22	2,527574E+22	2,420804E+22	2,243042E+22	2,101507E+22	2,101486E+22	2,242990E+22	2,420747E+22
-1798	2,527564E+22	2,534817E+22	2,500088E+22	2,500058E+22	2,534769E+22	2,527564E+22	2,420780E+22	2,243023E+22	2,101500E+22	2,101497E+22	2,243030E+22	2,420821E+22
-1797	2,527619E+22	2,534789E+22	2,500031E+22	2,500021E+22	2,534744E+22	2,527539E+22	2,420753E+22	2,242999E+22	2,101486E+22	2,101489E+22	2,242998E+22	2,420734E+22
-1796	2,527495E+22	2,534660E+22	2,499924E+22	2,499979E+22	2,534755E+22	2,527567E+22	2,420772E+22	2,243001E+22	2,101460E+22	2,101446E+22	2,242970E+22	2,420740E+22
-1795	2,527564E+22	2,534799E+22	2,500044E+22	2,500045E+22	2,534806E+22	2,527609E+22	2,420787E+22	2,242977E+22	2,101429E+22	2,101447E+22	2,243021E+22	2,420805E+22
-1794	2,527553E+22	2,534708E+22	2,499944E+22	2,499935E+22	2,534706E+22	2,527559E+22	2,420786E+22	2,242991E+22	2,101421E+22	2,101399E+22	2,242935E+22	2,420723E+22
-1793	2,527509E+22	2,534682E+22	2,499942E+22	2,499962E+22	2,534724E+22	2,527554E+22	2,420778E+22	2,242996E+22	2,101439E+22	2,101424E+22	2,242962E+22	2,420764E+22
-1792	2,527611E+22	2,534810E+22	2,500021E+22	2,500006E+22	2,534749E+22	2,527556E+22	2,420760E+22	2,242979E+22	2,101449E+22	2,101463E+22	2,243008E+22	2,420761E+22
-1791	2,527519E+22	2,534686E+22	2,499905E+22	2,499914E+22	2,534707E+22	2,527551E+22	2,420762E+22	2,242980E+22	2,101435E+22	2,101426E+22	2,242953E+22	2,420714E+22
-1790	2,527505E+22	2,534741E+22	2,500030E+22	2,500030E+22	2,534765E+22	2,527562E+22	2,420761E+22	2,242984E+22	2,101453E+22	2,101460E+22	2,243017E+22	2,420829E+22
-1789	2,527627E+22	2,534776E+22	2,500010E+22	2,500014E+22	2,534753E+22	2,527553E+22	2,420757E+22	2,242985E+22	2,101465E+22	2,101483E+22	2,243019E+22	2,420773E+22
-1788	2,527531E+22	2,534672E+22	2,499904E+22	2,499949E+22	2,534739E+22	2,527573E+22	2,420799E+22	2,243036E+22	2,101491E+22	2,101467E+22	2,242977E+22	2,420740E+22
-1787	2,527569E+22	2,534825E+22	2,500079E+22	2,500055E+22	2,534792E+22	2,527602E+22	2,420815E+22	2,243050E+22	2,101525E+22	2,101525E+22	2,243055E+22	2,420819E+22
-1786	2,527585E+22	2,534775E+22	2,500037E+22	2,500012E+22	2,534729E+22	2,527546E+22	2,420794E+22	2,243063E+22	2,101556E+22	2,101542E+22	2,243020E+22	2,420735E+22
-1785	2,527496E+22	2,534695E+22	2,499994E+22	2,500031E+22	2,534770E+22	2,527565E+22	2,420796E+22	2,243076E+22	2,101587E+22	2,101584E+22	2,243065E+22	2,420783E+22
-1784	2,527583E+22	2,534816E+22	2,500084E+22	2,500089E+22	2,534817E+22	2,527596E+22	2,420798E+22	2,243062E+22	2,101589E+22	2,101620E+22	2,243134E+22	2,420845E+22
-1783	2,527559E+22	2,534714E+22	2,499961E+22	2,499975E+22	2,534750E+22	2,527585E+22	2,420815E+22	2,243075E+22	2,101570E+22	2,101561E+22	2,243048E+22	2,420771E+22
-1782	2,527533E+22	2,534746E+22	2,500041E+22	2,500049E+22	2,534775E+22	2,527577E+22	2,420814E+22	2,243087E+22	2,101583E+22	2,101570E+22	2,243073E+22	2,420848E+22
-1781	2,527662E+22	2,534844E+22	2,500076E+22	2,500053E+22	2,534763E+22	2,527552E+22	2,420783E+22	2,243060E+22	2,101575E+22	2,101584E+22	2,243080E+22	2,420797E+22
-1780	2,527549E+22	2,534725E+22	2,499966E+22	2,499975E+22	2,534731E+22	2,527554E+22	2,420798E+22	2,243073E+22	2,101557E+22	2,101530E+22	2,243003E+22	2,420724E+22
-1779	2,527525E+22	2,534800E+22	2,500101E+22	2,500088E+22	2,534802E+22	2,527588E+22	2,420795E+22	2,243046E+22	2,101542E+22	2,101546E+22	2,243064E+22	2,420826E+22
-1778	2,527589E+22	2,534769E+22	2,500044E+22	2,500042E+22	2,534764E+22	2,527556E+22	2,420768E+22	2,243015E+22	2,101508E+22	2,101514E+22	2,243018E+22	2,420747E+22
-1777	2,527501E+22	2,534662E+22	2,499925E+22	2,499981E+22	2,534763E+22	2,527579E+22	2,420792E+22	2,243025E+22	2,101494E+22	2,101487E+22	2,243001E+22	2,420753E+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												
-1776	2,527561E+22	2,534790E+22	2,500030E+22	2,500024E+22	2,534787E+22	2,527600E+22	2,420800E+22	2,243021E+22	2,101490E+22	2,101497E+22	2,243045E+22	2,420822E+22
-1775	2,527571E+22	2,534727E+22	2,499947E+22	2,499926E+22	2,534698E+22	2,527554E+22	2,420792E+22	2,243025E+22	2,101479E+22	2,101451E+22	2,242951E+22	2,420710E+22
-1774	2,527494E+22	2,534698E+22	2,499984E+22	2,499994E+22	2,534725E+22	2,527533E+22	2,420770E+22	2,243026E+22	2,101498E+22	2,101481E+22	2,242993E+22	2,420775E+22
-1773	2,527606E+22	2,534805E+22	2,500041E+22	2,500034E+22	2,534759E+22	2,527535E+22	2,420733E+22	2,242981E+22	2,101488E+22	2,101520E+22	2,243057E+22	2,420796E+22
-1772	2,527536E+22	2,534694E+22	2,499918E+22	2,499934E+22	2,534720E+22	2,527551E+22	2,420768E+22	2,243004E+22	2,101474E+22	2,101468E+22	2,242982E+22	2,420727E+22
-1771	2,527503E+22	2,534741E+22	2,500033E+22	2,500037E+22	2,534781E+22	2,527586E+22	2,420793E+22	2,243024E+22	2,101499E+22	2,101500E+22	2,243038E+22	2,420837E+22
-1770	2,527630E+22	2,534799E+22	2,500046E+22	2,500033E+22	2,534755E+22	2,527552E+22	2,420772E+22	2,243024E+22	2,101515E+22	2,101517E+22	2,243023E+22	2,420764E+22
-1769	2,527535E+22	2,534705E+22	2,499949E+22	2,499977E+22	2,534742E+22	2,527563E+22	2,420803E+22	2,243069E+22	2,101557E+22	2,101537E+22	2,243010E+22	2,420727E+22
-1768	2,527532E+22	2,534804E+22	2,500093E+22	2,500080E+22	2,534801E+22	2,527592E+22	2,420815E+22	2,243088E+22	2,101601E+22	2,101606E+22	2,243106E+22	2,420836E+22
-1767	2,527577E+22	2,534762E+22	2,500032E+22	2,500027E+22	2,534762E+22	2,527569E+22	2,420802E+22	2,243086E+22	2,101607E+22	2,101604E+22	2,243064E+22	2,420747E+22
-1766	2,527485E+22	2,534689E+22	2,500005E+22	2,500045E+22	2,534781E+22	2,527578E+22	2,420817E+22	2,243109E+22	2,101632E+22	2,101626E+22	2,243099E+22	2,420820E+22
-1765	2,527608E+22	2,534817E+22	2,500082E+22	2,500084E+22	2,534806E+22	2,527583E+22	2,420799E+22	2,243086E+22	2,101629E+22	2,101658E+22	2,243161E+22	2,420875E+22
-1764	2,527600E+22	2,534752E+22	2,499981E+22	2,499972E+22	2,534729E+22	2,527564E+22	2,420824E+22	2,243118E+22	2,101623E+22	2,101599E+22	2,243053E+22	2,420757E+22
-1763	2,527527E+22	2,534767E+22	2,500076E+22	2,500068E+22	2,534772E+22	2,527570E+22	2,420823E+22	2,243123E+22	2,101640E+22	2,101622E+22	2,243092E+22	2,420832E+22
-1762	2,527636E+22	2,534852E+22	2,500124E+22	2,500098E+22	2,534776E+22	2,527536E+22	2,420767E+22	2,243071E+22	2,101612E+22	2,101625E+22	2,243099E+22	2,420789E+22
-1761	2,527531E+22	2,534723E+22	2,499990E+22	2,500011E+22	2,534763E+22	2,527564E+22	2,420791E+22	2,243072E+22	2,101587E+22	2,101583E+22	2,243047E+22	2,420735E+22
-1760	2,527498E+22	2,534760E+22	2,500082E+22	2,500087E+22	2,534814E+22	2,527605E+22	2,420813E+22	2,243070E+22	2,101578E+22	2,101587E+22	2,243098E+22	2,420854E+22
-1759	2,527606E+22	2,534762E+22	2,500018E+22	2,500023E+22	2,534771E+22	2,527578E+22	2,420794E+22	2,243046E+22	2,101542E+22	2,101539E+22	2,243024E+22	2,420743E+22
-1758	2,527506E+22	2,534685E+22	2,499947E+22	2,499978E+22	2,534747E+22	2,527572E+22	2,420811E+22	2,243071E+22	2,101548E+22	2,101520E+22	2,243007E+22	2,420758E+22
-1757	2,527573E+22	2,534803E+22	2,500054E+22	2,500031E+22	2,534763E+22	2,527560E+22	2,420780E+22	2,243043E+22	2,101546E+22	2,101554E+22	2,243074E+22	2,420828E+22
-1756	2,527579E+22	2,534744E+22	2,499978E+22	2,499954E+22	2,534699E+22	2,527529E+22	2,420780E+22	2,243050E+22	2,101533E+22	2,101512E+22	2,242987E+22	2,420708E+22
-1755	2,527472E+22	2,534691E+22	2,500005E+22	2,500028E+22	2,534756E+22	2,527551E+22	2,420776E+22	2,243042E+22	2,101540E+22	2,101537E+22	2,243040E+22	2,420796E+22
-1754	2,527597E+22	2,534803E+22	2,500066E+22	2,500061E+22	2,534777E+22	2,527544E+22	2,420740E+22	2,242994E+22	2,101511E+22	2,101547E+22	2,243079E+22	2,420813E+22
-1753	2,527553E+22	2,534712E+22	2,499940E+22	2,499954E+22	2,534739E+22	2,527568E+22	2,420786E+22	2,243029E+22	2,101514E+22	2,101513E+22	2,243008E+22	2,420732E+22
-1752	2,527500E+22	2,534740E+22	2,500040E+22	2,500035E+22	2,534776E+22	2,527591E+22	2,420818E+22	2,243076E+22	2,101568E+22	2,101556E+22	2,243058E+22	2,420834E+22
-1751	2,527631E+22	2,534809E+22	2,500058E+22	2,500042E+22	2,534763E+22	2,527558E+22	2,420789E+22	2,243069E+22	2,101585E+22	2,101580E+22	2,243045E+22	2,420743E+22
-1750	2,527507E+22	2,534707E+22	2,499986E+22	2,500012E+22	2,534755E+22	2,527557E+22	2,420808E+22	2,243112E+22	2,101630E+22	2,101607E+22	2,243055E+22	2,420748E+22
-1749	2,527525E+22	2,534779E+22	2,500090E+22	2,500091E+22	2,534806E+22	2,527578E+22	2,420799E+22	2,243102E+22	2,101654E+22	2,101675E+22	2,243165E+22	2,420877E+22
-1748	2,527601E+22	2,534766E+22	2,500031E+22	2,500025E+22	2,534753E+22	2,527563E+22	2,420815E+22	2,243118E+22	2,101650E+22	2,101652E+22	2,243100E+22	2,420770E+22
-1747	2,527500E+22	2,534700E+22	2,500014E+22	2,500044E+22	2,534776E+22	2,527582E+22	2,420836E+22	2,243144E+22	2,101675E+22	2,101664E+22	2,243121E+22	2,420829E+22
-1746	2,527620E+22	2,534853E+22	2,500128E+22	2,500099E+22	2,534790E+22	2,527561E+22	2,420796E+22	2,243109E+22	2,101666E+22	2,101684E+22	2,243162E+22	2,420863E+22
-1745	2,527607E+22	2,534792E+22	2,500042E+22	2,500016E+22	2,534740E+22	2,527551E+22	2,420812E+22	2,243128E+22	2,101668E+22	2,101655E+22	2,243076E+22	2,420737E+22
-1744	2,527493E+22	2,534751E+22	2,500096E+22	2,500102E+22	2,534797E+22	2,527575E+22	2,420824E+22	2,243145E+22	2,101690E+22	2,101678E+22	2,243124E+22	2,420832E+22
-1743	2,527621E+22	2,534835E+22	2,500119E+22	2,500120E+22	2,534822E+22	2,527574E+22	2,420785E+22	2,243088E+22	2,101644E+22	2,101663E+22	2,243123E+22	2,420788E+22
-1742	2,527513E+22	2,534709E+22	2,499998E+22	2,500026E+22	2,534780E+22	2,527588E+22	2,420825E+22	2,243112E+22	2,101628E+22	2,101611E+22	2,243068E+22	2,420761E+22
-1741	2,527510E+22	2,534738E+22	2,500061E+22	2,500071E+22	2,534801E+22	2,527597E+22	2,420825E+22	2,243106E+22	2,101626E+22	2,101629E+22	2,243124E+22	2,420873E+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	2,527635E+22	2,534785E+22	2,500027E+22	2,500007E+22	2,534736E+22	2,527557E+22	2,420811E+22	2,243095E+22	2,101601E+22	2,101590E+22	2,243044E+22	2,420733E+22
-1739	2,527496E+22	2,534694E+22	2,499972E+22	2,499987E+22	2,534731E+22	2,527552E+22	2,420810E+22	2,243101E+22	2,101607E+22	2,101584E+22	2,243044E+22	2,420755E+22
-1738	2,527556E+22	2,534812E+22	2,500095E+22	2,500064E+22	2,534765E+22	2,527532E+22	2,420750E+22	2,243041E+22	2,101579E+22	2,101602E+22	2,243112E+22	2,420842E+22
-1737	2,527584E+22	2,534754E+22	2,500006E+22	2,499987E+22	2,534723E+22	2,527530E+22	2,420757E+22	2,243032E+22	2,101554E+22	2,101563E+22	2,243033E+22	2,420727E+22
-1736	2,527467E+22	2,534669E+22	2,499996E+22	2,500032E+22	2,534769E+22	2,527568E+22	2,420793E+22	2,243061E+22	2,101568E+22	2,101569E+22	2,243064E+22	2,420817E+22
-1735	2,527622E+22	2,534814E+22	2,500063E+22	2,500064E+22	2,534796E+22	2,527569E+22	2,420769E+22	2,243030E+22	2,101547E+22	2,101568E+22	2,243076E+22	2,420798E+22
-1734	2,527553E+22	2,534738E+22	2,499982E+22	2,499974E+22	2,534736E+22	2,527570E+22	2,420815E+22	2,243087E+22	2,101580E+22	2,101552E+22	2,243014E+22	2,420726E+22
-1733	2,527494E+22	2,534735E+22	2,500061E+22	2,500055E+22	2,534769E+22	2,527570E+22	2,420817E+22	2,243117E+22	2,101643E+22	2,101630E+22	2,243095E+22	2,420831E+22
-1732	2,527623E+22	2,534814E+22	2,500082E+22	2,500065E+22	2,534764E+22	2,527549E+22	2,420798E+22	2,243111E+22	2,101654E+22	2,101658E+22	2,243094E+22	2,420744E+22
-1731	2,527482E+22	2,534691E+22	2,499997E+22	2,500031E+22	2,534771E+22	2,527572E+22	2,420825E+22	2,243144E+22	2,101688E+22	2,101678E+22	2,243112E+22	2,420773E+22
-1730	2,527527E+22	2,534782E+22	2,500107E+22	2,500103E+22	2,534804E+22	2,527572E+22	2,420802E+22	2,243122E+22	2,101691E+22	2,101716E+22	2,243198E+22	2,420904E+22
-1729	2,527634E+22	2,534795E+22	2,500055E+22	2,500040E+22	2,534757E+22	2,527559E+22	2,420813E+22	2,243136E+22	2,101696E+22	2,101703E+22	2,243129E+22	2,420777E+22
-1728	2,527507E+22	2,534714E+22	2,500033E+22	2,500052E+22	2,534770E+22	2,527576E+22	2,420848E+22	2,243183E+22	2,101733E+22	2,101715E+22	2,243142E+22	2,420827E+22
-1727	2,527624E+22	2,534871E+22	2,500157E+22	2,500131E+22	2,534809E+22	2,527561E+22	2,420800E+22	2,243137E+22	2,101715E+22	2,101731E+22	2,243178E+22	2,420840E+22
-1726	2,527576E+22	2,534793E+22	2,500085E+22	2,500068E+22	2,534770E+22	2,527560E+22	2,420819E+22	2,243156E+22	2,101717E+22	2,101701E+22	2,243110E+22	2,420753E+22
-1725	2,527480E+22	2,534717E+22	2,500084E+22	2,500114E+22	2,534813E+22	2,527583E+22	2,420825E+22	2,243157E+22	2,101727E+22	2,101728E+22	2,243166E+22	2,420855E+22
-1724	2,527632E+22	2,534827E+22	2,500105E+22	2,500108E+22	2,534812E+22	2,527585E+22	2,420818E+22	2,243126E+22	2,101679E+22	2,101696E+22	2,243146E+22	2,420796E+22
-1723	2,527517E+22	2,534711E+22	2,499995E+22	2,500015E+22	2,534767E+22	2,527591E+22	2,420852E+22	2,243156E+22	2,101676E+22	2,101649E+22	2,243088E+22	2,420765E+22
-1722	2,527518E+22	2,534765E+22	2,500086E+22	2,500066E+22	2,534766E+22	2,527561E+22	2,420814E+22	2,243128E+22	2,101666E+22	2,101662E+22	2,243134E+22	2,420866E+22
-1721	2,527640E+22	2,534812E+22	2,500069E+22	2,500038E+22	2,534733E+22	2,527529E+22	2,420782E+22	2,243096E+22	2,101645E+22	2,101650E+22	2,243080E+22	2,420729E+22
-1720	2,527475E+22	2,534683E+22	2,499987E+22	2,500015E+22	2,534746E+22	2,527548E+22	2,420800E+22	2,243109E+22	2,101642E+22	2,101634E+22	2,243085E+22	2,420770E+22
-1719	2,527556E+22	2,534805E+22	2,500096E+22	2,500088E+22	2,534800E+22	2,527556E+22	2,420758E+22	2,243047E+22	2,101597E+22	2,101629E+22	2,243133E+22	2,420847E+22
-1718	2,527580E+22	2,534759E+22	2,500030E+22	2,500017E+22	2,534747E+22	2,527556E+22	2,420788E+22	2,243068E+22	2,101586E+22	2,101581E+22	2,243047E+22	2,420750E+22
-1717	2,527485E+22	2,534665E+22	2,499990E+22	2,500029E+22	2,534765E+22	2,527569E+22	2,420812E+22	2,243104E+22	2,101624E+22	2,101611E+22	2,243078E+22	2,420813E+22
-1716	2,527635E+22	2,534841E+22	2,500085E+22	2,500063E+22	2,534773E+22	2,527563E+22	2,420804E+22	2,243094E+22	2,101620E+22	2,101626E+22	2,243092E+22	2,420774E+22
-1715	2,527526E+22	2,534739E+22	2,500014E+22	2,500003E+22	2,534735E+22	2,527559E+22	2,420829E+22	2,243140E+22	2,101663E+22	2,101635E+22	2,243061E+22	2,420721E+22
-1714	2,527467E+22	2,534728E+22	2,500083E+22	2,500083E+22	2,534772E+22	2,527549E+22	2,420800E+22	2,243135E+22	2,101699E+22	2,101702E+22	2,243153E+22	2,420854E+22
-1713	2,527623E+22	2,534813E+22	2,500096E+22	2,500089E+22	2,534781E+22	2,527550E+22	2,420784E+22	2,243111E+22	2,101698E+22	2,101731E+22	2,243158E+22	2,420779E+22
-1712	2,527488E+22	2,534680E+22	2,499987E+22	2,500028E+22	2,534770E+22	2,527577E+22	2,420839E+22	2,243169E+22	2,101728E+22	2,101724E+22	2,243152E+22	2,420806E+22
-1711	2,527563E+22	2,534808E+22	2,500115E+22	2,500110E+22	2,534810E+22	2,527575E+22	2,420815E+22	2,243153E+22	2,101730E+22	2,101745E+22	2,243205E+22	2,420897E+22
-1710	2,527643E+22	2,534837E+22	2,500113E+22	2,500079E+22	2,534761E+22	2,527553E+22	2,420825E+22	2,243177E+22	2,101749E+22	2,101736E+22	2,243139E+22	2,420777E+22
-1709	2,527502E+22	2,534715E+22	2,500060E+22	2,500087E+22	2,534780E+22	2,527563E+22	2,420842E+22	2,243210E+22	2,101791E+22	2,101774E+22	2,243171E+22	2,420820E+22
-1708	2,527612E+22	2,534876E+22	2,500180E+22	2,500160E+22	2,534825E+22	2,527575E+22	2,420824E+22	2,243173E+22	2,101763E+22	2,101783E+22	2,243211E+22	2,420836E+22
-1707	2,527545E+22	2,534768E+22	2,500086E+22	2,500088E+22	2,534792E+22	2,527587E+22	2,420851E+22	2,243192E+22	2,101762E+22	2,101749E+22	2,243148E+22	2,420765E+22
-1706	2,527474E+22	2,534707E+22	2,500076E+22	2,500111E+22	2,534808E+22	2,527583E+22	2,420839E+22	2,243185E+22	2,101761E+22	2,101759E+22	2,243189E+22	2,420871E+22
-1705	2,527651E+22	2,534847E+22	2,500110E+22	2,500103E+22	2,534800E+22	2,527572E+22	2,420814E+22	2,243146E+22	2,101726E+22	2,101745E+22	2,243170E+22	2,420797E+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°
-1704	2,527515E+22	2,534717E+22	2,499998E+22	2,500003E+22	2,534738E+22	2,527568E+22	2,420853E+22	2,243189E+22	2,101730E+22	2,101700E+22	2,243114E+22	2,420766E+22
-1703	2,527521E+22	2,534778E+22	2,500105E+22	2,500092E+22	2,534769E+22	2,527537E+22	2,420797E+22	2,243141E+22	2,101707E+22	2,101706E+22	2,243158E+22	2,420859E+22
-1702	2,527622E+22	2,534820E+22	2,500105E+22	2,500084E+22	2,534756E+22	2,527523E+22	2,420771E+22	2,243105E+22	2,101674E+22	2,101682E+22	2,243115E+22	2,420760E+22
-1701	2,527476E+22	2,534663E+22	2,499979E+22	2,500028E+22	2,534761E+22	2,527553E+22	2,420797E+22	2,243113E+22	2,101665E+22	2,101668E+22	2,243116E+22	2,420793E+22
-1700	2,527575E+22	2,534819E+22	2,500101E+22	2,500087E+22	2,534793E+22	2,527571E+22	2,420797E+22	2,243085E+22	2,101625E+22	2,101649E+22	2,243140E+22	2,420841E+22
-1699	2,527578E+22	2,534771E+22	2,500048E+22	2,500030E+22	2,534748E+22	2,527566E+22	2,420822E+22	2,243121E+22	2,101643E+22	2,101620E+22	2,243056E+22	2,420732E+22
-1698	2,527477E+22	2,534690E+22	2,500022E+22	2,500045E+22	2,534752E+22	2,527548E+22	2,420813E+22	2,243143E+22	2,101687E+22	2,101666E+22	2,243097E+22	2,420797E+22
-1697	2,527617E+22	2,534853E+22	2,500121E+22	2,500104E+22	2,534787E+22	2,527549E+22	2,420786E+22	2,243115E+22	2,101692E+22	2,101711E+22	2,243142E+22	2,420773E+22
-1696	2,527496E+22	2,534716E+22	2,500015E+22	2,500025E+22	2,534754E+22	2,527565E+22	2,420835E+22	2,243170E+22	2,101725E+22	2,101712E+22	2,243125E+22	2,420753E+22
-1695	2,527470E+22	2,534717E+22	2,500077E+22	2,500101E+22	2,534794E+22	2,527561E+22	2,420812E+22	2,243159E+22	2,101739E+22	2,101750E+22	2,243196E+22	2,420880E+22
-1694	2,527633E+22	2,534825E+22	2,500117E+22	2,500113E+22	2,534794E+22	2,527561E+22	2,420809E+22	2,243152E+22	2,101741E+22	2,101762E+22	2,243191E+22	2,420821E+22
-1693	2,527520E+22	2,534696E+22	2,499992E+22	2,500027E+22	2,534761E+22	2,527569E+22	2,420848E+22	2,243206E+22	2,101783E+22	2,101771E+22	2,243174E+22	2,420814E+22
-1692	2,527584E+22	2,534849E+22	2,500153E+22	2,500119E+22	2,534790E+22	2,527566E+22	2,420840E+22	2,243201E+22	2,101790E+22	2,101795E+22	2,243220E+22	2,420876E+22
-1691	2,527618E+22	2,534845E+22	2,500157E+22	2,500128E+22	2,534780E+22	2,527550E+22	2,420834E+22	2,243217E+22	2,101816E+22	2,101802E+22	2,243174E+22	2,420767E+22
-1690	2,527479E+22	2,534714E+22	2,500077E+22	2,500116E+22	2,534796E+22	2,527555E+22	2,420830E+22	2,243222E+22	2,101833E+22	2,101826E+22	2,243209E+22	2,420830E+22
-1689	2,527598E+22	2,534865E+22	2,500182E+22	2,500177E+22	2,534845E+22	2,527585E+22	2,420820E+22	2,243181E+22	2,101802E+22	2,101835E+22	2,243249E+22	2,420854E+22
-1688	2,527541E+22	2,534750E+22	2,500066E+22	2,500074E+22	2,534785E+22	2,527593E+22	2,420875E+22	2,243230E+22	2,101803E+22	2,101785E+22	2,243174E+22	2,420785E+22
-1687	2,527494E+22	2,534719E+22	2,500070E+22	2,500102E+22	2,534793E+22	2,527569E+22	2,420848E+22	2,243217E+22	2,101800E+22	2,101785E+22	2,243193E+22	2,420862E+22
-1686	2,527648E+22	2,534875E+22	2,500152E+22	2,500127E+22	2,534792E+22	2,527552E+22	2,420813E+22	2,243175E+22	2,101770E+22	2,101777E+22	2,243189E+22	2,420808E+22
-1685	2,527511E+22	2,534718E+22	2,500014E+22	2,500024E+22	2,534739E+22	2,527542E+22	2,420828E+22	2,243196E+22	2,101772E+22	2,101752E+22	2,243147E+22	2,420771E+22
-1684	2,527518E+22	2,534790E+22	2,500127E+22	2,500112E+22	2,534777E+22	2,527543E+22	2,420806E+22	2,243154E+22	2,101734E+22	2,101743E+22	2,243186E+22	2,420863E+22
-1683	2,527604E+22	2,534810E+22	2,500120E+22	2,500116E+22	2,534784E+22	2,527545E+22	2,420794E+22	2,243132E+22	2,101707E+22	2,101716E+22	2,243138E+22	2,420769E+22
-1682	2,527480E+22	2,534670E+22	2,499982E+22	2,500037E+22	2,534766E+22	2,527556E+22	2,420811E+22	2,243142E+22	2,101699E+22	2,101693E+22	2,243127E+22	2,420796E+22
-1681	2,527581E+22	2,534839E+22	2,500119E+22	2,500099E+22	2,534798E+22	2,527572E+22	2,420804E+22	2,243120E+22	2,101687E+22	2,101702E+22	2,243156E+22	2,420828E+22
-1680	2,527560E+22	2,534772E+22	2,500059E+22	2,500036E+22	2,534739E+22	2,527559E+22	2,420841E+22	2,243174E+22	2,101718E+22	2,101690E+22	2,243092E+22	2,420731E+22
-1679	2,527462E+22	2,534685E+22	2,500032E+22	2,500074E+22	2,534765E+22	2,527535E+22	2,420810E+22	2,243175E+22	2,101750E+22	2,101735E+22	2,243143E+22	2,420803E+22
-1678	2,527595E+22	2,534845E+22	2,500141E+22	2,500139E+22	2,534812E+22	2,527553E+22	2,420785E+22	2,243137E+22	2,101739E+22	2,101767E+22	2,243203E+22	2,420825E+22
-1677	2,527506E+22	2,534697E+22	2,499997E+22	2,500023E+22	2,534756E+22	2,527562E+22	2,420834E+22	2,243187E+22	2,101768E+22	2,101765E+22	2,243174E+22	2,420795E+22
-1676	2,527509E+22	2,534750E+22	2,500089E+22	2,500092E+22	2,534775E+22	2,527561E+22	2,420842E+22	2,243198E+22	2,101780E+22	2,101783E+22	2,243214E+22	2,420890E+22
-1675	2,527647E+22	2,534857E+22	2,500152E+22	2,500131E+22	2,534788E+22	2,527554E+22	2,420827E+22	2,243200E+22	2,101801E+22	2,101804E+22	2,243199E+22	2,420807E+22
-1674	2,527522E+22	2,534736E+22	2,500041E+22	2,500058E+22	2,534756E+22	2,527545E+22	2,420840E+22	2,243235E+22	2,101839E+22	2,101820E+22	2,243189E+22	2,420797E+22
-1673	2,527567E+22	2,534868E+22	2,500201E+22	2,500173E+22	2,534818E+22	2,527559E+22	2,420822E+22	2,243217E+22	2,101851E+22	2,101864E+22	2,243252E+22	2,420864E+22
-1672	2,527581E+22	2,534820E+22	2,500159E+22	2,500153E+22	2,534810E+22	2,527572E+22	2,420852E+22	2,243248E+22	2,101868E+22	2,101863E+22	2,243219E+22	2,420784E+22
-1671	2,527469E+22	2,534692E+22	2,500065E+22	2,500133E+22	2,534822E+22	2,527574E+22	2,420851E+22	2,243252E+22	2,101872E+22	2,101865E+22	2,243238E+22	2,420843E+22
-1670	2,527594E+22	2,534862E+22	2,500186E+22	2,500186E+22	2,534853E+22	2,527594E+22	2,420845E+22	2,243223E+22	2,101844E+22	2,101862E+22	2,243274E+22	2,420885E+22
-1669	2,527558E+22	2,534753E+22	2,500056E+22	2,500054E+22	2,534760E+22	2,527573E+22	2,420877E+22	2,243265E+22	2,101860E+22	2,101835E+22	2,243198E+22	2,420793E+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°
-1668	2,527508E+22	2,534753E+22	2,500101E+22	2,500097E+22	2,534758E+22	2,527544E+22	2,420855E+22	2,243251E+22	2,101851E+22	2,101833E+22	2,243215E+22	2,420852E+22
-1667	2,527624E+22	2,534877E+22	2,500186E+22	2,500166E+22	2,534803E+22	2,527536E+22	2,420802E+22	2,243195E+22	2,101819E+22	2,101833E+22	2,243224E+22	2,420810E+22
-1666	2,527501E+22	2,534724E+22	2,500030E+22	2,500049E+22	2,534756E+22	2,527535E+22	2,420806E+22	2,243186E+22	2,101791E+22	2,101788E+22	2,243179E+22	2,420791E+22
-1665	2,527521E+22	2,534793E+22	2,500137E+22	2,500132E+22	2,534802E+22	2,527555E+22	2,420798E+22	2,243154E+22	2,101758E+22	2,101773E+22	2,243204E+22	2,420873E+22
-1664	2,527606E+22	2,534805E+22	2,500112E+22	2,500114E+22	2,534792E+22	2,527563E+22	2,420824E+22	2,243171E+22	2,101746E+22	2,101742E+22	2,243149E+22	2,420775E+22
-1663	2,527491E+22	2,534685E+22	2,499992E+22	2,500047E+22	2,534767E+22	2,527552E+22	2,420828E+22	2,243186E+22	2,101751E+22	2,101726E+22	2,243129E+22	2,420777E+22
-1662	2,527558E+22	2,534849E+22	2,500158E+22	2,500134E+22	2,534807E+22	2,527567E+22	2,420816E+22	2,243166E+22	2,101749E+22	2,101752E+22	2,243186E+22	2,420837E+22
-1661	2,527543E+22	2,534758E+22	2,500064E+22	2,500052E+22	2,534746E+22	2,527547E+22	2,420835E+22	2,243202E+22	2,101785E+22	2,101767E+22	2,243147E+22	2,420751E+22
-1660	2,527459E+22	2,534689E+22	2,500041E+22	2,500073E+22	2,534762E+22	2,527543E+22	2,420830E+22	2,243203E+22	2,101797E+22	2,101792E+22	2,243190E+22	2,420826E+22
-1659	2,527589E+22	2,534839E+22	2,500152E+22	2,500158E+22	2,534825E+22	2,527564E+22	2,420807E+22	2,243175E+22	2,101791E+22	2,101819E+22	2,243239E+22	2,420850E+22
-1658	2,527534E+22	2,534727E+22	2,500010E+22	2,500024E+22	2,534746E+22	2,527547E+22	2,420831E+22	2,243211E+22	2,101811E+22	2,101804E+22	2,243192E+22	2,420805E+22
-1657	2,527530E+22	2,534790E+22	2,500127E+22	2,500111E+22	2,534774E+22	2,527545E+22	2,420831E+22	2,243226E+22	2,101844E+22	2,101837E+22	2,243228E+22	2,420876E+22
-1656	2,527633E+22	2,534870E+22	2,500187E+22	2,500162E+22	2,534795E+22	2,527545E+22	2,420836E+22	2,243244E+22	2,101871E+22	2,101870E+22	2,243230E+22	2,420801E+22
-1655	2,527501E+22	2,534730E+22	2,500068E+22	2,500108E+22	2,534785E+22	2,527540E+22	2,420836E+22	2,243262E+22	2,101895E+22	2,101880E+22	2,243225E+22	2,420794E+22
-1654	2,527531E+22	2,534847E+22	2,500219E+22	2,500215E+22	2,534858E+22	2,527583E+22	2,420836E+22	2,243242E+22	2,101891E+22	2,101910E+22	2,243299E+22	2,420900E+22
-1653	2,527578E+22	2,534794E+22	2,500134E+22	2,500142E+22	2,534813E+22	2,527582E+22	2,420868E+22	2,243275E+22	2,101913E+22	2,101913E+22	2,243258E+22	2,420813E+22
-1652	2,527493E+22	2,534712E+22	2,500062E+22	2,500102E+22	2,534793E+22	2,527577E+22	2,420885E+22	2,243295E+22	2,101916E+22	2,101898E+22	2,243253E+22	2,420847E+22
-1651	2,527598E+22	2,534878E+22	2,500208E+22	2,500192E+22	2,534839E+22	2,527580E+22	2,420855E+22	2,243266E+22	2,101904E+22	2,101908E+22	2,243284E+22	2,420877E+22
-1650	2,527565E+22	2,534783E+22	2,500089E+22	2,500071E+22	2,534746E+22	2,527535E+22	2,420850E+22	2,243275E+22	2,101905E+22	2,101884E+22	2,243221E+22	2,420791E+22
-1649	2,527502E+22	2,534769E+22	2,500140E+22	2,500140E+22	2,534780E+22	2,527527E+22	2,420820E+22	2,243247E+22	2,101892E+22	2,101886E+22	2,243247E+22	2,420855E+22
-1648	2,527604E+22	2,534860E+22	2,500192E+22	2,500188E+22	2,534830E+22	2,527556E+22	2,420813E+22	2,243209E+22	2,101848E+22	2,101872E+22	2,243258E+22	2,420829E+22
-1647	2,527502E+22	2,534713E+22	2,500034E+22	2,500072E+22	2,534782E+22	2,527555E+22	2,420827E+22	2,243208E+22	2,101814E+22	2,101807E+22	2,243190E+22	2,420797E+22
-1646	2,527521E+22	2,534797E+22	2,500150E+22	2,500148E+22	2,534822E+22	2,527578E+22	2,420831E+22	2,243195E+22	2,101793E+22	2,101792E+22	2,243212E+22	2,420882E+22
-1645	2,527610E+22	2,534807E+22	2,500109E+22	2,500099E+22	2,534777E+22	2,527558E+22	2,420841E+22	2,243217E+22	2,101812E+22	2,101797E+22	2,243168E+22	2,420770E+22
-1644	2,527491E+22	2,534709E+22	2,500021E+22	2,500043E+22	2,534743E+22	2,527540E+22	2,420847E+22	2,243232E+22	2,101820E+22	2,101792E+22	2,243161E+22	2,420770E+22
-1643	2,527528E+22	2,534832E+22	2,500177E+22	2,500163E+22	2,534819E+22	2,527555E+22	2,420812E+22	2,243198E+22	2,101816E+22	2,101826E+22	2,243231E+22	2,420849E+22
-1642	2,527539E+22	2,534754E+22	2,500066E+22	2,500059E+22	2,534748E+22	2,527533E+22	2,420815E+22	2,243205E+22	2,101823E+22	2,101825E+22	2,243198E+22	2,420786E+22
-1641	2,527478E+22	2,534702E+22	2,500058E+22	2,500086E+22	2,534765E+22	2,527532E+22	2,420814E+22	2,243212E+22	2,101837E+22	2,101837E+22	2,243220E+22	2,420847E+22
-1640	2,527605E+22	2,534851E+22	2,500161E+22	2,500156E+22	2,534819E+22	2,527562E+22	2,420824E+22	2,243213E+22	2,101840E+22	2,101859E+22	2,243257E+22	2,420857E+22
-1639	2,527549E+22	2,534756E+22	2,500053E+22	2,500058E+22	2,534752E+22	2,527535E+22	2,420834E+22	2,243244E+22	2,101864E+22	2,101845E+22	2,243198E+22	2,420786E+22
-1638	2,527513E+22	2,534808E+22	2,500183E+22	2,500169E+22	2,534805E+22	2,527550E+22	2,420837E+22	2,243259E+22	2,101897E+22	2,101888E+22	2,243255E+22	2,420875E+22
-1637	2,527611E+22	2,534854E+22	2,500198E+22	2,500191E+22	2,534824E+22	2,527556E+22	2,420841E+22	2,243274E+22	2,101934E+22	2,101942E+22	2,243278E+22	2,420812E+22
-1636	2,527491E+22	2,534727E+22	2,500078E+22	2,500112E+22	2,534798E+22	2,527571E+22	2,420874E+22	2,243300E+22	2,101945E+22	2,101935E+22	2,243266E+22	2,420811E+22
-1635	2,527515E+22	2,534819E+22	2,500216E+22	2,500227E+22	2,534873E+22	2,527604E+22	2,420872E+22	2,243294E+22	2,101951E+22	2,101962E+22	2,243327E+22	2,420915E+22
-1634	2,527601E+22	2,534809E+22	2,500130E+22	2,500125E+22	2,534794E+22	2,527569E+22	2,420873E+22	2,243308E+22	2,101964E+22	2,101961E+22	2,243284E+22	2,420826E+22
-1633	2,527514E+22	2,534745E+22	2,500092E+22	2,500104E+22	2,534771E+22	2,527547E+22	2,420867E+22	2,243321E+22	2,101979E+22	2,101955E+22	2,243273E+22	2,420840E+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	2,527590E+22	2,534886E+22	2,500234E+22	2,500208E+22	2,534830E+22	2,527559E+22	2,420849E+22	2,243294E+22	2,101960E+22	2,101969E+22	2,243322E+22	2,420882E+22
-1631	2,527558E+22	2,534781E+22	2,500118E+22	2,500117E+22	2,534768E+22	2,527521E+22	2,420826E+22	2,243274E+22	2,101933E+22	2,101925E+22	2,243252E+22	2,420798E+22
-1630	2,527489E+22	2,534759E+22	2,500159E+22	2,500178E+22	2,534819E+22	2,527552E+22	2,420826E+22	2,243249E+22	2,101900E+22	2,101907E+22	2,243277E+22	2,420883E+22
-1629	2,527614E+22	2,534848E+22	2,500177E+22	2,500181E+22	2,534837E+22	2,527572E+22	2,420833E+22	2,243233E+22	2,101875E+22	2,101898E+22	2,243274E+22	2,420842E+22
-1628	2,527524E+22	2,534737E+22	2,500043E+22	2,500048E+22	2,534761E+22	2,527568E+22	2,420866E+22	2,243253E+22	2,101854E+22	2,101829E+22	2,243188E+22	2,420780E+22
-1627	2,527505E+22	2,534798E+22	2,500176E+22	2,500164E+22	2,534818E+22	2,527575E+22	2,420853E+22	2,243249E+22	2,101862E+22	2,101844E+22	2,243217E+22	2,420855E+22
-1626	2,527600E+22	2,534821E+22	2,500133E+22	2,500114E+22	2,534767E+22	2,527529E+22	2,420822E+22	2,243236E+22	2,101870E+22	2,101863E+22	2,243204E+22	2,420766E+22
-1625	2,527476E+22	2,534708E+22	2,500044E+22	2,500068E+22	2,534754E+22	2,527522E+22	2,420818E+22	2,243241E+22	2,101877E+22	2,101861E+22	2,243208E+22	2,420782E+22
-1624	2,527514E+22	2,534810E+22	2,500174E+22	2,500172E+22	2,534831E+22	2,527566E+22	2,420823E+22	2,243222E+22	2,101862E+22	2,101883E+22	2,243283E+22	2,420885E+22
-1623	2,527555E+22	2,534749E+22	2,500075E+22	2,500081E+22	2,534758E+22	2,527531E+22	2,420820E+22	2,243225E+22	2,101856E+22	2,101859E+22	2,243223E+22	2,420804E+22
-1622	2,527496E+22	2,534722E+22	2,500087E+22	2,500110E+22	2,534781E+22	2,527545E+22	2,420832E+22	2,243243E+22	2,101872E+22	2,101868E+22	2,243241E+22	2,420859E+22
-1621	2,527617E+22	2,534870E+22	2,500183E+22	2,500162E+22	2,534810E+22	2,527555E+22	2,420835E+22	2,243253E+22	2,101905E+22	2,101919E+22	2,243283E+22	2,420851E+22
-1620	2,527546E+22	2,534782E+22	2,500098E+22	2,500078E+22	2,534752E+22	2,527539E+22	2,420854E+22	2,243286E+22	2,101928E+22	2,101909E+22	2,243230E+22	2,420775E+22
-1619	2,527478E+22	2,534785E+22	2,500205E+22	2,500214E+22	2,534843E+22	2,527567E+22	2,420851E+22	2,243298E+22	2,101966E+22	2,101960E+22	2,243294E+22	2,420877E+22
-1618	2,527605E+22	2,534845E+22	2,500192E+22	2,500197E+22	2,534834E+22	2,527563E+22	2,420844E+22	2,243292E+22	2,101979E+22	2,102000E+22	2,243325E+22	2,420842E+22
-1617	2,527507E+22	2,534733E+22	2,500083E+22	2,500111E+22	2,534792E+22	2,527564E+22	2,420878E+22	2,243333E+22	2,102000E+22	2,101983E+22	2,243295E+22	2,420828E+22
-1616	2,527530E+22	2,534824E+22	2,500215E+22	2,500212E+22	2,534852E+22	2,527596E+22	2,420894E+22	2,243344E+22	2,102011E+22	2,102010E+22	2,243351E+22	2,420921E+22
-1615	2,527612E+22	2,534830E+22	2,500168E+22	2,500151E+22	2,534780E+22	2,527538E+22	2,420864E+22	2,243335E+22	2,102015E+22	2,102006E+22	2,243302E+22	2,420818E+22
-1614	2,527507E+22	2,534764E+22	2,500143E+22	2,500155E+22	2,534793E+22	2,527539E+22	2,420856E+22	2,243330E+22	2,102010E+22	2,101999E+22	2,243309E+22	2,420848E+22
-1613	2,527579E+22	2,534877E+22	2,500242E+22	2,500226E+22	2,534847E+22	2,527562E+22	2,420843E+22	2,243302E+22	2,101996E+22	2,102020E+22	2,243362E+22	2,420897E+22
-1612	2,527559E+22	2,534788E+22	2,500136E+22	2,500125E+22	2,534782E+22	2,527553E+22	2,420855E+22	2,243294E+22	2,101957E+22	2,101952E+22	2,243272E+22	2,420806E+22
-1611	2,527482E+22	2,534743E+22	2,500162E+22	2,500196E+22	2,534839E+22	2,527574E+22	2,420859E+22	2,243291E+22	2,101942E+22	2,101933E+22	2,243275E+22	2,420872E+22
-1610	2,527626E+22	2,534862E+22	2,500174E+22	2,500170E+22	2,534823E+22	2,527566E+22	2,420843E+22	2,243265E+22	2,101921E+22	2,101934E+22	2,243284E+22	2,420834E+22
-1609	2,527526E+22	2,534759E+22	2,500075E+22	2,500058E+22	2,534742E+22	2,527539E+22	2,420858E+22	2,243291E+22	2,101922E+22	2,101887E+22	2,243209E+22	2,420764E+22
-1608	2,527479E+22	2,534779E+22	2,500183E+22	2,500177E+22	2,534811E+22	2,527558E+22	2,420853E+22	2,243285E+22	2,101928E+22	2,101918E+22	2,243268E+22	2,420862E+22
-1607	2,527579E+22	2,534799E+22	2,500147E+22	2,500147E+22	2,534781E+22	2,527517E+22	2,420803E+22	2,243240E+22	2,101907E+22	2,101921E+22	2,243256E+22	2,420792E+22
-1606	2,527476E+22	2,534700E+22	2,500054E+22	2,500092E+22	2,534778E+22	2,527537E+22	2,420820E+22	2,243241E+22	2,101888E+22	2,101895E+22	2,243255E+22	2,420822E+22
-1605	2,527540E+22	2,534813E+22	2,500163E+22	2,500159E+22	2,534820E+22	2,527566E+22	2,420835E+22	2,243247E+22	2,101896E+22	2,101919E+22	2,243309E+22	2,420907E+22
-1604	2,527592E+22	2,534794E+22	2,500106E+22	2,500076E+22	2,534744E+22	2,527537E+22	2,420845E+22	2,243264E+22	2,101900E+22	2,101888E+22	2,243227E+22	2,420792E+22
-1603	2,527490E+22	2,534739E+22	2,500134E+22	2,500152E+22	2,534794E+22	2,527545E+22	2,420851E+22	2,243294E+22	2,101942E+22	2,101920E+22	2,243244E+22	2,420830E+22
-1602	2,527608E+22	2,534886E+22	2,500217E+22	2,500198E+22	2,534824E+22	2,527548E+22	2,420830E+22	2,243280E+22	2,101966E+22	2,101987E+22	2,243321E+22	2,420846E+22
-1601	2,527528E+22	2,534782E+22	2,500129E+22	2,500117E+22	2,534775E+22	2,527542E+22	2,420855E+22	2,243319E+22	2,101995E+22	2,101979E+22	2,243276E+22	2,420783E+22
-1600	2,527457E+22	2,534753E+22	2,500195E+22	2,500224E+22	2,534859E+22	2,527593E+22	2,420887E+22	2,243347E+22	2,102029E+22	2,102026E+22	2,243346E+22	2,420902E+22
-1599	2,527608E+22	2,534834E+22	2,500196E+22	2,500210E+22	2,534836E+22	2,527563E+22	2,420860E+22	2,243330E+22	2,102030E+22	2,102047E+22	2,243357E+22	2,420859E+22
-1598	2,527524E+22	2,534751E+22	2,500102E+22	2,500121E+22	2,534791E+22	2,527563E+22	2,420891E+22	2,243367E+22	2,102045E+22	2,102029E+22	2,243328E+22	2,420842E+22
-1597	2,527543E+22	2,534845E+22	2,500233E+22	2,500211E+22	2,534825E+22	2,527568E+22	2,420891E+22	2,243379E+22	2,102076E+22	2,102076E+22	2,243389E+22	2,420927E+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°
-1596	2,527616E+22	2,534856E+22	2,500206E+22	2,500170E+22	2,534775E+22	2,527526E+22	2,420857E+22	2,243352E+22	2,102059E+22	2,102058E+22	2,243337E+22	2,420817E+22
-1595	2,527483E+22	2,534748E+22	2,500165E+22	2,500201E+22	2,534829E+22	2,527550E+22	2,420856E+22	2,243344E+22	2,102047E+22	2,102042E+22	2,243334E+22	2,420853E+22
-1594	2,527584E+22	2,534878E+22	2,500240E+22	2,500233E+22	2,534856E+22	2,527569E+22	2,420843E+22	2,243302E+22	2,102010E+22	2,102046E+22	2,243387E+22	2,420913E+22
-1593	2,527571E+22	2,534799E+22	2,500146E+22	2,500130E+22	2,534778E+22	2,527548E+22	2,420864E+22	2,243324E+22	2,101993E+22	2,101972E+22	2,243275E+22	2,420800E+22
-1592	2,527480E+22	2,534742E+22	2,500159E+22	2,500190E+22	2,534830E+22	2,527578E+22	2,420887E+22	2,243341E+22	2,101998E+22	2,101973E+22	2,243286E+22	2,420856E+22
-1591	2,527610E+22	2,534864E+22	2,500204E+22	2,500198E+22	2,534816E+22	2,527542E+22	2,420837E+22	2,243293E+22	2,101972E+22	2,101980E+22	2,243302E+22	2,420821E+22
-1590	2,527506E+22	2,534758E+22	2,500102E+22	2,500098E+22	2,534762E+22	2,527536E+22	2,420852E+22	2,243302E+22	2,101957E+22	2,101942E+22	2,243259E+22	2,420779E+22
-1589	2,527467E+22	2,534762E+22	2,500173E+22	2,500178E+22	2,534811E+22	2,527557E+22	2,420854E+22	2,243301E+22	2,101971E+22	2,101977E+22	2,243324E+22	2,420894E+22
-1588	2,527591E+22	2,534806E+22	2,500151E+22	2,500143E+22	2,534781E+22	2,527536E+22	2,420826E+22	2,243262E+22	2,101936E+22	2,101954E+22	2,243289E+22	2,420816E+22
-1587	2,527487E+22	2,534702E+22	2,500064E+22	2,500112E+22	2,534793E+22	2,527551E+22	2,420845E+22	2,243281E+22	2,101934E+22	2,101927E+22	2,243260E+22	2,420823E+22
-1586	2,527571E+22	2,534851E+22	2,500181E+22	2,500157E+22	2,534805E+22	2,527554E+22	2,420839E+22	2,243276E+22	2,101946E+22	2,101962E+22	2,243324E+22	2,420900E+22
-1585	2,527598E+22	2,534832E+22	2,500160E+22	2,500112E+22	2,534737E+22	2,527510E+22	2,420841E+22	2,243308E+22	2,101974E+22	2,101949E+22	2,243249E+22	2,420774E+22
-1584	2,527463E+22	2,534729E+22	2,500156E+22	2,500190E+22	2,534812E+22	2,527544E+22	2,420862E+22	2,243341E+22	2,102020E+22	2,102000E+22	2,243293E+22	2,420827E+22
-1583	2,527572E+22	2,534861E+22	2,500237E+22	2,500243E+22	2,534852E+22	2,527553E+22	2,420831E+22	2,243303E+22	2,102017E+22	2,102049E+22	2,243371E+22	2,420868E+22
-1582	2,527524E+22	2,534772E+22	2,500135E+22	2,500142E+22	2,534800E+22	2,527565E+22	2,420877E+22	2,243342E+22	2,102029E+22	2,102030E+22	2,243330E+22	2,420818E+22
-1581	2,527475E+22	2,534751E+22	2,500173E+22	2,500198E+22	2,534836E+22	2,527588E+22	2,420909E+22	2,243392E+22	2,102086E+22	2,102080E+22	2,243384E+22	2,420924E+22
-1580	2,527633E+22	2,534872E+22	2,500218E+22	2,500200E+22	2,534814E+22	2,527557E+22	2,420875E+22	2,243371E+22	2,102087E+22	2,102093E+22	2,243377E+22	2,420858E+22
-1579	2,527522E+22	2,534771E+22	2,500145E+22	2,500160E+22	2,534796E+22	2,527546E+22	2,420887E+22	2,243400E+22	2,102107E+22	2,102082E+22	2,243340E+22	2,420828E+22
-1578	2,527543E+22	2,534862E+22	2,500258E+22	2,500239E+22	2,534831E+22	2,527546E+22	2,420866E+22	2,243381E+22	2,102115E+22	2,102130E+22	2,243427E+22	2,420935E+22
-1577	2,527608E+22	2,534865E+22	2,500239E+22	2,500212E+22	2,534799E+22	2,527522E+22	2,420850E+22	2,243367E+22	2,102096E+22	2,102096E+22	2,243365E+22	2,420827E+22
-1576	2,527470E+22	2,534726E+22	2,500157E+22	2,500216E+22	2,534849E+22	2,527576E+22	2,420889E+22	2,243381E+22	2,102085E+22	2,102076E+22	2,243359E+22	2,420861E+22
-1575	2,527576E+22	2,534870E+22	2,500247E+22	2,500249E+22	2,534864E+22	2,527578E+22	2,420864E+22	2,243335E+22	2,102044E+22	2,102067E+22	2,243392E+22	2,420911E+22
-1574	2,527574E+22	2,534815E+22	2,500162E+22	2,500140E+22	2,534781E+22	2,527555E+22	2,420885E+22	2,243356E+22	2,102031E+22	2,102010E+22	2,243295E+22	2,420794E+22
-1573	2,527471E+22	2,534743E+22	2,500158E+22	2,500181E+22	2,534804E+22	2,527556E+22	2,420892E+22	2,243382E+22	2,102064E+22	2,102038E+22	2,243325E+22	2,420858E+22
-1572	2,527595E+22	2,534867E+22	2,500217E+22	2,500208E+22	2,534817E+22	2,527536E+22	2,420831E+22	2,243312E+22	2,102020E+22	2,102036E+22	2,243346E+22	2,420834E+22
-1571	2,527488E+22	2,534738E+22	2,500105E+22	2,500126E+22	2,534786E+22	2,527542E+22	2,420851E+22	2,243317E+22	2,101997E+22	2,101987E+22	2,243290E+22	2,420803E+22
-1570	2,527490E+22	2,534772E+22	2,500166E+22	2,500170E+22	2,534802E+22	2,527546E+22	2,420848E+22	2,243306E+22	2,101992E+22	2,102009E+22	2,243357E+22	2,420924E+22
-1569	2,527621E+22	2,534841E+22	2,500176E+22	2,500151E+22	2,534766E+22	2,527514E+22	2,420829E+22	2,243297E+22	2,101977E+22	2,101977E+22	2,243295E+22	2,420815E+22
-1568	2,527493E+22	2,534724E+22	2,500089E+22	2,500128E+22	2,534790E+22	2,527549E+22	2,420867E+22	2,243331E+22	2,101997E+22	2,101973E+22	2,243272E+22	2,420805E+22
-1567	2,527548E+22	2,534865E+22	2,500235E+22	2,500211E+22	2,534818E+22	2,527540E+22	2,420835E+22	2,243306E+22	2,102002E+22	2,102014E+22	2,243344E+22	2,420884E+22
-1566	2,527572E+22	2,534832E+22	2,500195E+22	2,500170E+22	2,534782E+22	2,527528E+22	2,420848E+22	2,243328E+22	2,102021E+22	2,102015E+22	2,243301E+22	2,420782E+22
-1565	2,527441E+22	2,534708E+22	2,500144E+22	2,500198E+22	2,534828E+22	2,527562E+22	2,420885E+22	2,243381E+22	2,102084E+22	2,102074E+22	2,243355E+22	2,420859E+22
-1564	2,527571E+22	2,534855E+22	2,500229E+22	2,500240E+22	2,534860E+22	2,527575E+22	2,420861E+22	2,243345E+22	2,102069E+22	2,102098E+22	2,243410E+22	2,420893E+22
-1563	2,527530E+22	2,534768E+22	2,500135E+22	2,500150E+22	2,534806E+22	2,527571E+22	2,420903E+22	2,243396E+22	2,102096E+22	2,102079E+22	2,243347E+22	2,420829E+22
-1562	2,527506E+22	2,534787E+22	2,500187E+22	2,500186E+22	2,534803E+22	2,527556E+22	2,420902E+22	2,243422E+22	2,102145E+22	2,102139E+22	2,243417E+22	2,420931E+22
-1561	2,527639E+22	2,534909E+22	2,500268E+22	2,500227E+22	2,534794E+22	2,527512E+22	2,420859E+22	2,243404E+22	2,102151E+22	2,102152E+22	2,243407E+22	2,420856E+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	2,527503E+22	2,534768E+22	2,500167E+22	2,500197E+22	2,534818E+22	2,527544E+22	2,420883E+22	2,243423E+22	2,102160E+22	2,102145E+22	2,243385E+22	2,420837E+22
-1559	2,527521E+22	2,534850E+22	2,500282E+22	2,500280E+22	2,534860E+22	2,527552E+22	2,420857E+22	2,243381E+22	2,102136E+22	2,102161E+22	2,243455E+22	2,420953E+22
-1558	2,527614E+22	2,534864E+22	2,500247E+22	2,500237E+22	2,534830E+22	2,527549E+22	2,420870E+22	2,243377E+22	2,102106E+22	2,102118E+22	2,243388E+22	2,420841E+22
-1557	2,527481E+22	2,534731E+22	2,500142E+22	2,500195E+22	2,534834E+22	2,527578E+22	2,420917E+22	2,243428E+22	2,102133E+22	2,102110E+22	2,243371E+22	2,420860E+22
-1556	2,527574E+22	2,534890E+22	2,500262E+22	2,500243E+22	2,534853E+22	2,527577E+22	2,420882E+22	2,243379E+22	2,102098E+22	2,102102E+22	2,243396E+22	2,420892E+22
-1555	2,527551E+22	2,534815E+22	2,500189E+22	2,500173E+22	2,534792E+22	2,527547E+22	2,420890E+22	2,243395E+22	2,102096E+22	2,102065E+22	2,243310E+22	2,420784E+22
-1554	2,527464E+22	2,534746E+22	2,500162E+22	2,500186E+22	2,534800E+22	2,527534E+22	2,420872E+22	2,243389E+22	2,102107E+22	2,102099E+22	2,243374E+22	2,420878E+22
-1553	2,527590E+22	2,534871E+22	2,500234E+22	2,500226E+22	2,534819E+22	2,527521E+22	2,420827E+22	2,243333E+22	2,102059E+22	2,102079E+22	2,243383E+22	2,420860E+22
-1552	2,527491E+22	2,534729E+22	2,500101E+22	2,500134E+22	2,534797E+22	2,527552E+22	2,420870E+22	2,243349E+22	2,102038E+22	2,102026E+22	2,243319E+22	2,420821E+22
-1551	2,527495E+22	2,534785E+22	2,500191E+22	2,500191E+22	2,534806E+22	2,527539E+22	2,420850E+22	2,243330E+22	2,102027E+22	2,102034E+22	2,243365E+22	2,420928E+22
-1550	2,527634E+22	2,534875E+22	2,500218E+22	2,500185E+22	2,534781E+22	2,527518E+22	2,420840E+22	2,243322E+22	2,102019E+22	2,102023E+22	2,243318E+22	2,420807E+22
-1549	2,527481E+22	2,534732E+22	2,500108E+22	2,500143E+22	2,534784E+22	2,527535E+22	2,420875E+22	2,243376E+22	2,102069E+22	2,102045E+22	2,243313E+22	2,420802E+22
-1548	2,527518E+22	2,534857E+22	2,500250E+22	2,500240E+22	2,534848E+22	2,527555E+22	2,420843E+22	2,243336E+22	2,102062E+22	2,102078E+22	2,243387E+22	2,420893E+22
-1547	2,527548E+22	2,534808E+22	2,500197E+22	2,500198E+22	2,534818E+22	2,527552E+22	2,420867E+22	2,243361E+22	2,102076E+22	2,102072E+22	2,243336E+22	2,420807E+22
-1546	2,527460E+22	2,534708E+22	2,500123E+22	2,500174E+22	2,534812E+22	2,527556E+22	2,420894E+22	2,243408E+22	2,102129E+22	2,102124E+22	2,243397E+22	2,420892E+22
-1545	2,527597E+22	2,534883E+22	2,500247E+22	2,500237E+22	2,534834E+22	2,527546E+22	2,420870E+22	2,243396E+22	2,102131E+22	2,102141E+22	2,243428E+22	2,420902E+22
-1544	2,527540E+22	2,534790E+22	2,500161E+22	2,500162E+22	2,534793E+22	2,527551E+22	2,420909E+22	2,243443E+22	2,102167E+22	2,102140E+22	2,243372E+22	2,420823E+22
-1543	2,527491E+22	2,534807E+22	2,500245E+22	2,500236E+22	2,534809E+22	2,527527E+22	2,420879E+22	2,243436E+22	2,102193E+22	2,102192E+22	2,243446E+22	2,420931E+22
-1542	2,527630E+22	2,534921E+22	2,500310E+22	2,500284E+22	2,534837E+22	2,527525E+22	2,420853E+22	2,243403E+22	2,102179E+22	2,102205E+22	2,243452E+22	2,420866E+22
-1541	2,527490E+22	2,534758E+22	2,500168E+22	2,500208E+22	2,534835E+22	2,527564E+22	2,420906E+22	2,243452E+22	2,102203E+22	2,102193E+22	2,243423E+22	2,420856E+22
-1540	2,527518E+22	2,534846E+22	2,500280E+22	2,500287E+22	2,534884E+22	2,527585E+22	2,420889E+22	2,243419E+22	2,102174E+22	2,102186E+22	2,243463E+22	2,420956E+22
-1539	2,527613E+22	2,534863E+22	2,500249E+22	2,500247E+22	2,534846E+22	2,527569E+22	2,420903E+22	2,243431E+22	2,102166E+22	2,102151E+22	2,243383E+22	2,420833E+22
-1538	2,527494E+22	2,534752E+22	2,500147E+22	2,500176E+22	2,534803E+22	2,527554E+22	2,420919E+22	2,243464E+22	2,102195E+22	2,102167E+22	2,243399E+22	2,420859E+22
-1537	2,527562E+22	2,534900E+22	2,500295E+22	2,500262E+22	2,534832E+22	2,527534E+22	2,420871E+22	2,243418E+22	2,102163E+22	2,102163E+22	2,243430E+22	2,420893E+22
-1536	2,527524E+22	2,534792E+22	2,500193E+22	2,500194E+22	2,534805E+22	2,527540E+22	2,420882E+22	2,243415E+22	2,102149E+22	2,102132E+22	2,243364E+22	2,420807E+22
-1535	2,527450E+22	2,534735E+22	2,500178E+22	2,500205E+22	2,534809E+22	2,527527E+22	2,420854E+22	2,243380E+22	2,102122E+22	2,102132E+22	2,243411E+22	2,420914E+22
-1534	2,527613E+22	2,534882E+22	2,500244E+22	2,500237E+22	2,534832E+22	2,527532E+22	2,420832E+22	2,243332E+22	2,102068E+22	2,102103E+22	2,243407E+22	2,420879E+22
-1533	2,527514E+22	2,534753E+22	2,500107E+22	2,500123E+22	2,534783E+22	2,527548E+22	2,420886E+22	2,243386E+22	2,102083E+22	2,102059E+22	2,243330E+22	2,420821E+22
-1532	2,527501E+22	2,534814E+22	2,500222E+22	2,500209E+22	2,534814E+22	2,527540E+22	2,420857E+22	2,243362E+22	2,102076E+22	2,102067E+22	2,243361E+22	2,420903E+22
-1531	2,527609E+22	2,534875E+22	2,500252E+22	2,500235E+22	2,534817E+22	2,527527E+22	2,420850E+22	2,243360E+22	2,102082E+22	2,102075E+22	2,243330E+22	2,420796E+22
-1530	2,527468E+22	2,534728E+22	2,500115E+22	2,500156E+22	2,534796E+22	2,527535E+22	2,420875E+22	2,243399E+22	2,102124E+22	2,102114E+22	2,243367E+22	2,420822E+22
-1529	2,527503E+22	2,534843E+22	2,500260E+22	2,500253E+22	2,534850E+22	2,527553E+22	2,420863E+22	2,243383E+22	2,102119E+22	2,102132E+22	2,243426E+22	2,420915E+22
-1528	2,527545E+22	2,534792E+22	2,500185E+22	2,500197E+22	2,534823E+22	2,527565E+22	2,420898E+22	2,243416E+22	2,102145E+22	2,102134E+22	2,243376E+22	2,420827E+22
-1527	2,527468E+22	2,534728E+22	2,500147E+22	2,500176E+22	2,534796E+22	2,527537E+22	2,420892E+22	2,243440E+22	2,102183E+22	2,102172E+22	2,243420E+22	2,420904E+22
-1526	2,527617E+22	2,534920E+22	2,500291E+22	2,500260E+22	2,534830E+22	2,527530E+22	2,420866E+22	2,243417E+22	2,102184E+22	2,102205E+22	2,243463E+22	2,420902E+22
-1525	2,527537E+22	2,534807E+22	2,500193E+22	2,500187E+22	2,534789E+22	2,527527E+22	2,420900E+22	2,243474E+22	2,102235E+22	2,102214E+22	2,243420E+22	2,420833E+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	2,527477E+22	2,534806E+22	2,500267E+22	2,500276E+22	2,534851E+22	2,527540E+22	2,420872E+22	2,243447E+22	2,102234E+22	2,102241E+22	2,243479E+22	2,420942E+22
-1523	2,527618E+22	2,534907E+22	2,500322E+22	2,500320E+22	2,534883E+22	2,527560E+22	2,420876E+22	2,243430E+22	2,102216E+22	2,102238E+22	2,243469E+22	2,420883E+22
-1522	2,527510E+22	2,534765E+22	2,500161E+22	2,500193E+22	2,534827E+22	2,527568E+22	2,420924E+22	2,243483E+22	2,102241E+22	2,102229E+22	2,243446E+22	2,420868E+22
-1521	2,527526E+22	2,534863E+22	2,500301E+22	2,500287E+22	2,534863E+22	2,527569E+22	2,420913E+22	2,243478E+22	2,102234E+22	2,102222E+22	2,243465E+22	2,420941E+22
-1520	2,527601E+22	2,534866E+22	2,500268E+22	2,500259E+22	2,534841E+22	2,527561E+22	2,420915E+22	2,243479E+22	2,102239E+22	2,102217E+22	2,243409E+22	2,420818E+22
-1519	2,527464E+22	2,534751E+22	2,500182E+22	2,500204E+22	2,534805E+22	2,527529E+22	2,420895E+22	2,243473E+22	2,102239E+22	2,102223E+22	2,243437E+22	2,420869E+22
-1518	2,527556E+22	2,534896E+22	2,500313E+22	2,500292E+22	2,534859E+22	2,527541E+22	2,420860E+22	2,243409E+22	2,102186E+22	2,102217E+22	2,243482E+22	2,420920E+22
-1517	2,527528E+22	2,534781E+22	2,500185E+22	2,500187E+22	2,534801E+22	2,527541E+22	2,420891E+22	2,243433E+22	2,102181E+22	2,102173E+22	2,243405E+22	2,420839E+22
-1516	2,527466E+22	2,534738E+22	2,500177E+22	2,500211E+22	2,534826E+22	2,527542E+22	2,420866E+22	2,243400E+22	2,102146E+22	2,102147E+22	2,243414E+22	2,420919E+22
-1515	2,527628E+22	2,534902E+22	2,500265E+22	2,500253E+22	2,534847E+22	2,527545E+22	2,420854E+22	2,243370E+22	2,102113E+22	2,102125E+22	2,243395E+22	2,420866E+22
-1514	2,527527E+22	2,534781E+22	2,500132E+22	2,500120E+22	2,534761E+22	2,527527E+22	2,420886E+22	2,243417E+22	2,102138E+22	2,102113E+22	2,243352E+22	2,420810E+22
-1513	2,527480E+22	2,534817E+22	2,500261E+22	2,500244E+22	2,534814E+22	2,527519E+22	2,420860E+22	2,243408E+22	2,102142E+22	2,102127E+22	2,243388E+22	2,420892E+22
-1512	2,527576E+22	2,534846E+22	2,500254E+22	2,500261E+22	2,534846E+22	2,527542E+22	2,420860E+22	2,243394E+22	2,102147E+22	2,102149E+22	2,243382E+22	2,420811E+22
-1511	2,527449E+22	2,534713E+22	2,500125E+22	2,500163E+22	2,534801E+22	2,527536E+22	2,420876E+22	2,243415E+22	2,102162E+22	2,102162E+22	2,243409E+22	2,420857E+22
-1510	2,527526E+22	2,534850E+22	2,500266E+22	2,500254E+22	2,534850E+22	2,527558E+22	2,420876E+22	2,243404E+22	2,102158E+22	2,102182E+22	2,243461E+22	2,420933E+22
-1509	2,527566E+22	2,534813E+22	2,500197E+22	2,500183E+22	2,534794E+22	2,527544E+22	2,420910E+22	2,243464E+22	2,102214E+22	2,102195E+22	2,243407E+22	2,420835E+22
-1508	2,527477E+22	2,534756E+22	2,500188E+22	2,500206E+22	2,534805E+22	2,527524E+22	2,420884E+22	2,243467E+22	2,102241E+22	2,102226E+22	2,243439E+22	2,420894E+22
-1507	2,527605E+22	2,534930E+22	2,500336E+22	2,500316E+22	2,534868E+22	2,527537E+22	2,420865E+22	2,243444E+22	2,102243E+22	2,102261E+22	2,243488E+22	2,420904E+22
-1506	2,527536E+22	2,534812E+22	2,500214E+22	2,500209E+22	2,534808E+22	2,527534E+22	2,420899E+22	2,243489E+22	2,102279E+22	2,102274E+22	2,243469E+22	2,420856E+22
-1505	2,527473E+22	2,534801E+22	2,500287E+22	2,500302E+22	2,534863E+22	2,527551E+22	2,420902E+22	2,243493E+22	2,102280E+22	2,102279E+22	2,243500E+22	2,420949E+22
-1504	2,527614E+22	2,534893E+22	2,500315E+22	2,500329E+22	2,534902E+22	2,527586E+22	2,420916E+22	2,243487E+22	2,102279E+22	2,102288E+22	2,243493E+22	2,420884E+22
-1503	2,527506E+22	2,534780E+22	2,500186E+22	2,500193E+22	2,534813E+22	2,527560E+22	2,420934E+22	2,243519E+22	2,102295E+22	2,102275E+22	2,243466E+22	2,420870E+22
-1502	2,527528E+22	2,534874E+22	2,500327E+22	2,500300E+22	2,534853E+22	2,527555E+22	2,420912E+22	2,243498E+22	2,102288E+22	2,102289E+22	2,243501E+22	2,420934E+22
-1501	2,527583E+22	2,534858E+22	2,500277E+22	2,500266E+22	2,534830E+22	2,527536E+22	2,420906E+22	2,243505E+22	2,102300E+22	2,102290E+22	2,243466E+22	2,420839E+22
-1500	2,527458E+22	2,534739E+22	2,500182E+22	2,500223E+22	2,534828E+22	2,527529E+22	2,420875E+22	2,243467E+22	2,102262E+22	2,102261E+22	2,243470E+22	2,420892E+22
-1499	2,527564E+22	2,534889E+22	2,500311E+22	2,500303E+22	2,534878E+22	2,527558E+22	2,420869E+22	2,243420E+22	2,102204E+22	2,102232E+22	2,243493E+22	2,420944E+22
-1498	2,527565E+22	2,534803E+22	2,500187E+22	2,500171E+22	2,534781E+22	2,527530E+22	2,420893E+22	2,243449E+22	2,102203E+22	2,102193E+22	2,243417E+22	2,420848E+22
-1497	2,527485E+22	2,534769E+22	2,500214E+22	2,500222E+22	2,534803E+22	2,527521E+22	2,420882E+22	2,243446E+22	2,102189E+22	2,102168E+22	2,243402E+22	2,420889E+22
-1496	2,527611E+22	2,534909E+22	2,500298E+22	2,500285E+22	2,534859E+22	2,527547E+22	2,420868E+22	2,243413E+22	2,102178E+22	2,102182E+22	2,243411E+22	2,420837E+22
-1495	2,527489E+22	2,534782E+22	2,500175E+22	2,500158E+22	2,534777E+22	2,527521E+22	2,420876E+22	2,243432E+22	2,102185E+22	2,102170E+22	2,243388E+22	2,420811E+22
-1494	2,527461E+22	2,534798E+22	2,500272E+22	2,500273E+22	2,534845E+22	2,527541E+22	2,420868E+22	2,243419E+22	2,102186E+22	2,102196E+22	2,243439E+22	2,420905E+22
-1493	2,527565E+22	2,534823E+22	2,500242E+22	2,500256E+22	2,534845E+22	2,527552E+22	2,420886E+22	2,243438E+22	2,102207E+22	2,102214E+22	2,243436E+22	2,420845E+22
-1492	2,527465E+22	2,534710E+22	2,500118E+22	2,500166E+22	2,534811E+22	2,527542E+22	2,420889E+22	2,243451E+22	2,102214E+22	2,102206E+22	2,243432E+22	2,420870E+22
-1491	2,527548E+22	2,534874E+22	2,500288E+22	2,500265E+22	2,534850E+22	2,527559E+22	2,420893E+22	2,243451E+22	2,102223E+22	2,102231E+22	2,243478E+22	2,420940E+22
-1490	2,527588E+22	2,534846E+22	2,500234E+22	2,500193E+22	2,534769E+22	2,527510E+22	2,420897E+22	2,243492E+22	2,102277E+22	2,102267E+22	2,243455E+22	2,420843E+22
-1489	2,527469E+22	2,534769E+22	2,500236E+22	2,500253E+22	2,534811E+22	2,527505E+22	2,420883E+22	2,243501E+22	2,102298E+22	2,102287E+22	2,243477E+22	2,420896E+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	2,527586E+22	2,534914E+22	2,500350E+22	2,500354E+22	2,534909E+22	2,527565E+22	2,420880E+22	2,243470E+22	2,102296E+22	2,102325E+22	2,243535E+22	2,420917E+22
-1487	2,527526E+22	2,534810E+22	2,500232E+22	2,500223E+22	2,534821E+22	2,527548E+22	2,420912E+22	2,243507E+22	2,102309E+22	2,102309E+22	2,243498E+22	2,420878E+22
-1486	2,527494E+22	2,534810E+22	2,500295E+22	2,500311E+22	2,534872E+22	2,527567E+22	2,420925E+22	2,243523E+22	2,102325E+22	2,102323E+22	2,243517E+22	2,420943E+22
-1485	2,527617E+22	2,534905E+22	2,500325E+22	2,500318E+22	2,534875E+22	2,527571E+22	2,420934E+22	2,243541E+22	2,102349E+22	2,102345E+22	2,243517E+22	2,420880E+22
-1484	2,527497E+22	2,534783E+22	2,500206E+22	2,500218E+22	2,534819E+22	2,527543E+22	2,420926E+22	2,243545E+22	2,102349E+22	2,102327E+22	2,243488E+22	2,420861E+22
-1483	2,527513E+22	2,534870E+22	2,500347E+22	2,500333E+22	2,534875E+22	2,527557E+22	2,420910E+22	2,243517E+22	2,102333E+22	2,102336E+22	2,243534E+22	2,420948E+22
-1482	2,527585E+22	2,534855E+22	2,500277E+22	2,500264E+22	2,534822E+22	2,527526E+22	2,420896E+22	2,243509E+22	2,102328E+22	2,102338E+22	2,243516E+22	2,420870E+22
-1481	2,527468E+22	2,534741E+22	2,500195E+22	2,500234E+22	2,534822E+22	2,527527E+22	2,420894E+22	2,243495E+22	2,102286E+22	2,102280E+22	2,243482E+22	2,420900E+22
-1480	2,527575E+22	2,534893E+22	2,500314E+22	2,500310E+22	2,534887E+22	2,527571E+22	2,420891E+22	2,243456E+22	2,102247E+22	2,102264E+22	2,243501E+22	2,420932E+22
-1479	2,527564E+22	2,534834E+22	2,500228E+22	2,500182E+22	2,534768E+22	2,527516E+22	2,420894E+22	2,243471E+22	2,102240E+22	2,102223E+22	2,243423E+22	2,420837E+22
-1478	2,527480E+22	2,534783E+22	2,500253E+22	2,500257E+22	2,534811E+22	2,527514E+22	2,420879E+22	2,243465E+22	2,102242E+22	2,102229E+22	2,243428E+22	2,420865E+22
-1477	2,527574E+22	2,534889E+22	2,500308E+22	2,500308E+22	2,534868E+22	2,527542E+22	2,420872E+22	2,243448E+22	2,102242E+22	2,102255E+22	2,243466E+22	2,420851E+22
-1476	2,527470E+22	2,534753E+22	2,500166E+22	2,500184E+22	2,534812E+22	2,527538E+22	2,420879E+22	2,243446E+22	2,102224E+22	2,102222E+22	2,243432E+22	2,420836E+22
-1475	2,527467E+22	2,534784E+22	2,500259E+22	2,500275E+22	2,534858E+22	2,527564E+22	2,420897E+22	2,243453E+22	2,102227E+22	2,102231E+22	2,243469E+22	2,420935E+22
-1474	2,527598E+22	2,534842E+22	2,500238E+22	2,500231E+22	2,534812E+22	2,527533E+22	2,420894E+22	2,243473E+22	2,102258E+22	2,102264E+22	2,243473E+22	2,420868E+22
-1473	2,527490E+22	2,534747E+22	2,500158E+22	2,500179E+22	2,534781E+22	2,527513E+22	2,420899E+22	2,243498E+22	2,102273E+22	2,102252E+22	2,243444E+22	2,420859E+22
-1472	2,527544E+22	2,534890E+22	2,500327E+22	2,500306E+22	2,534863E+22	2,527550E+22	2,420894E+22	2,243487E+22	2,102294E+22	2,102303E+22	2,243514E+22	2,420928E+22
-1471	2,527568E+22	2,534865E+22	2,500287E+22	2,500242E+22	2,534791E+22	2,527505E+22	2,420884E+22	2,243500E+22	2,102318E+22	2,102323E+22	2,243499E+22	2,420860E+22
-1470	2,527467E+22	2,534768E+22	2,500261E+22	2,500291E+22	2,534845E+22	2,527530E+22	2,420893E+22	2,243513E+22	2,102338E+22	2,102344E+22	2,243515E+22	2,420902E+22
-1469	2,527574E+22	2,534901E+22	2,500347E+22	2,500360E+22	2,534918E+22	2,527585E+22	2,420918E+22	2,243522E+22	2,102354E+22	2,102378E+22	2,243571E+22	2,420937E+22
-1468	2,527535E+22	2,534810E+22	2,500229E+22	2,500236E+22	2,534837E+22	2,527560E+22	2,420935E+22	2,243551E+22	2,102363E+22	2,102348E+22	2,243507E+22	2,420873E+22
-1467	2,527499E+22	2,534822E+22	2,500306E+22	2,500315E+22	2,534867E+22	2,527570E+22	2,420950E+22	2,243577E+22	2,102392E+22	2,102370E+22	2,243533E+22	2,420938E+22
-1466	2,527612E+22	2,534917E+22	2,500344E+22	2,500321E+22	2,534847E+22	2,527532E+22	2,420921E+22	2,243570E+22	2,102414E+22	2,102418E+22	2,243569E+22	2,420893E+22
-1465	2,527486E+22	2,534782E+22	2,500231E+22	2,500245E+22	2,534811E+22	2,527516E+22	2,420916E+22	2,243567E+22	2,102394E+22	2,102380E+22	2,243528E+22	2,420873E+22
-1464	2,527502E+22	2,534854E+22	2,500345E+22	2,500350E+22	2,534893E+22	2,527566E+22	2,420912E+22	2,243529E+22	2,102367E+22	2,102385E+22	2,243576E+22	2,420966E+22
-1463	2,527591E+22	2,534871E+22	2,500295E+22	2,500270E+22	2,534817E+22	2,527520E+22	2,420892E+22	2,243508E+22	2,102336E+22	2,102352E+22	2,243534E+22	2,420892E+22
-1462	2,527495E+22	2,534768E+22	2,500216E+22	2,500247E+22	2,534824E+22	2,527528E+22	2,420899E+22	2,243509E+22	2,102314E+22	2,102305E+22	2,243482E+22	2,420881E+22
-1461	2,527569E+22	2,534911E+22	2,500337E+22	2,500321E+22	2,534878E+22	2,527563E+22	2,420906E+22	2,243499E+22	2,102303E+22	2,102307E+22	2,243514E+22	2,420917E+22
-1460	2,527544E+22	2,534831E+22	2,500251E+22	2,500231E+22	2,534800E+22	2,527516E+22	2,420892E+22	2,243494E+22	2,102287E+22	2,102267E+22	2,243438E+22	2,420820E+22
-1459	2,527456E+22	2,534769E+22	2,500260E+22	2,500293E+22	2,534849E+22	2,527539E+22	2,420898E+22	2,243496E+22	2,102290E+22	2,102277E+22	2,243465E+22	2,420878E+22
-1458	2,527559E+22	2,534870E+22	2,500298E+22	2,500304E+22	2,534864E+22	2,527544E+22	2,420884E+22	2,243475E+22	2,102288E+22	2,102313E+22	2,243524E+22	2,420888E+22
-1457	2,527479E+22	2,534747E+22	2,500165E+22	2,500185E+22	2,534797E+22	2,527537E+22	2,420911E+22	2,243495E+22	2,102272E+22	2,102262E+22	2,243460E+22	2,420855E+22
-1456	2,527484E+22	2,534796E+22	2,500257E+22	2,500270E+22	2,534851E+22	2,527565E+22	2,420919E+22	2,243503E+22	2,102294E+22	2,102289E+22	2,243499E+22	2,420936E+22
-1455	2,527607E+22	2,534886E+22	2,500280E+22	2,500236E+22	2,534785E+22	2,527502E+22	2,420884E+22	2,243497E+22	2,102310E+22	2,102317E+22	2,243503E+22	2,420874E+22
-1454	2,527497E+22	2,534777E+22	2,500209E+22	2,500226E+22	2,534791E+22	2,527493E+22	2,420880E+22	2,243512E+22	2,102332E+22	2,102323E+22	2,243481E+22	2,420851E+22
-1453	2,527522E+22	2,534887E+22	2,500349E+22	2,500342E+22	2,534882E+22	2,527546E+22	2,420891E+22	2,243512E+22	2,102351E+22	2,102370E+22	2,243566E+22	2,420948E+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	2,527557E+22	2,534845E+22	2,500290E+22	2,500284E+22	2,534837E+22	2,527527E+22	2,420891E+22	2,243515E+22	2,102352E+22	2,102362E+22	2,243527E+22	2,420876E+22
-1451	2,527475E+22	2,534768E+22	2,500260E+22	2,500306E+22	2,534868E+22	2,527562E+22	2,420934E+22	2,243559E+22	2,102382E+22	2,102372E+22	2,243534E+22	2,420914E+22
-1450	2,527583E+22	2,534914E+22	2,500351E+22	2,500345E+22	2,534889E+22	2,527570E+22	2,420937E+22	2,243573E+22	2,102418E+22	2,102429E+22	2,243598E+22	2,420941E+22
-1449	2,527538E+22	2,534831E+22	2,500262E+22	2,500248E+22	2,534811E+22	2,527538E+22	2,420955E+22	2,243606E+22	2,102433E+22	2,102404E+22	2,243525E+22	2,420858E+22
-1448	2,527480E+22	2,534823E+22	2,500325E+22	2,500342E+22	2,534875E+22	2,527559E+22	2,420949E+22	2,243613E+22	2,102464E+22	2,102448E+22	2,243578E+22	2,420930E+22
-1447	2,527589E+22	2,534925E+22	2,500370E+22	2,500344E+22	2,534854E+22	2,527519E+22	2,420900E+22	2,243569E+22	2,102446E+22	2,102470E+22	2,243619E+22	2,420925E+22
-1446	2,527492E+22	2,534785E+22	2,500246E+22	2,500271E+22	2,534832E+22	2,527523E+22	2,420909E+22	2,243566E+22	2,102421E+22	2,102422E+22	2,243561E+22	2,420891E+22
-1445	2,527505E+22	2,534851E+22	2,500342E+22	2,500353E+22	2,534895E+22	2,527570E+22	2,420930E+22	2,243562E+22	2,102404E+22	2,102416E+22	2,243600E+22	2,420987E+22
-1444	2,527607E+22	2,534879E+22	2,500302E+22	2,500292E+22	2,534837E+22	2,527527E+22	2,420903E+22	2,243534E+22	2,102368E+22	2,102370E+22	2,243529E+22	2,420881E+22
-1443	2,527500E+22	2,534792E+22	2,500241E+22	2,500266E+22	2,534830E+22	2,527537E+22	2,420924E+22	2,243552E+22	2,102362E+22	2,102336E+22	2,243488E+22	2,420866E+22
-1442	2,527543E+22	2,534911E+22	2,500357E+22	2,500335E+22	2,534869E+22	2,527541E+22	2,420903E+22	2,243531E+22	2,102362E+22	2,102370E+22	2,243555E+22	2,420922E+22
-1441	2,527522E+22	2,534819E+22	2,500263E+22	2,500253E+22	2,534807E+22	2,527516E+22	2,420903E+22	2,243524E+22	2,102336E+22	2,102320E+22	2,243476E+22	2,420832E+22
-1440	2,527442E+22	2,534744E+22	2,500236E+22	2,500292E+22	2,534864E+22	2,527557E+22	2,420918E+22	2,243527E+22	2,102340E+22	2,102334E+22	2,243510E+22	2,420900E+22
-1439	2,527567E+22	2,534885E+22	2,500300E+22	2,500292E+22	2,534845E+22	2,527531E+22	2,420887E+22	2,243494E+22	2,102318E+22	2,102345E+22	2,243554E+22	2,420923E+22
-1438	2,527513E+22	2,534783E+22	2,500189E+22	2,500188E+22	2,534779E+22	2,527513E+22	2,420902E+22	2,243518E+22	2,102323E+22	2,102307E+22	2,243473E+22	2,420847E+22
-1437	2,527483E+22	2,534823E+22	2,500293E+22	2,500287E+22	2,534833E+22	2,527536E+22	2,420916E+22	2,243542E+22	2,102360E+22	2,102350E+22	2,243529E+22	2,420936E+22
-1436	2,527596E+22	2,534895E+22	2,500321E+22	2,500300E+22	2,534820E+22	2,527492E+22	2,420867E+22	2,243509E+22	2,102356E+22	2,102367E+22	2,243527E+22	2,420869E+22
-1435	2,527482E+22	2,534781E+22	2,500235E+22	2,500272E+22	2,534836E+22	2,527522E+22	2,420897E+22	2,243539E+22	2,102374E+22	2,102366E+22	2,243517E+22	2,420864E+22
-1434	2,527506E+22	2,534875E+22	2,500354E+22	2,500356E+22	2,534895E+22	2,527560E+22	2,420913E+22	2,243549E+22	2,102403E+22	2,102424E+22	2,243610E+22	2,420975E+22
-1433	2,527563E+22	2,534845E+22	2,500295E+22	2,500296E+22	2,534841E+22	2,527542E+22	2,420935E+22	2,243574E+22	2,102411E+22	2,102405E+22	2,243544E+22	2,420878E+22
-1432	2,527478E+22	2,534775E+22	2,500257E+22	2,500304E+22	2,534870E+22	2,527573E+22	2,420968E+22	2,243624E+22	2,102464E+22	2,102440E+22	2,243562E+22	2,420904E+22
-1431	2,527571E+22	2,534941E+22	2,500385E+22	2,500351E+22	2,534864E+22	2,527540E+22	2,420932E+22	2,243606E+22	2,102481E+22	2,102494E+22	2,243638E+22	2,420952E+22
-1430	2,527533E+22	2,534843E+22	2,500296E+22	2,500283E+22	2,534814E+22	2,527510E+22	2,420927E+22	2,243622E+22	2,102498E+22	2,102482E+22	2,243573E+22	2,420864E+22
-1429	2,527460E+22	2,534810E+22	2,500332E+22	2,500359E+22	2,534885E+22	2,527550E+22	2,420938E+22	2,243628E+22	2,102513E+22	2,102514E+22	2,243638E+22	2,420969E+22
-1428	2,527594E+22	2,534910E+22	2,500367E+22	2,500371E+22	2,534884E+22	2,527529E+22	2,420897E+22	2,243569E+22	2,102461E+22	2,102493E+22	2,243640E+22	2,420949E+22
-1427	2,527520E+22	2,534805E+22	2,500253E+22	2,500279E+22	2,534846E+22	2,527545E+22	2,420937E+22	2,243594E+22	2,102440E+22	2,102426E+22	2,243563E+22	2,420902E+22
-1426	2,527519E+22	2,534876E+22	2,500359E+22	2,500348E+22	2,534874E+22	2,527554E+22	2,420939E+22	2,243597E+22	2,102448E+22	2,102443E+22	2,243604E+22	2,420982E+22
-1425	2,527605E+22	2,534899E+22	2,500340E+22	2,500317E+22	2,534832E+22	2,527519E+22	2,420922E+22	2,243577E+22	2,102421E+22	2,102407E+22	2,243529E+22	2,420854E+22
-1424	2,527472E+22	2,534788E+22	2,500257E+22	2,500297E+22	2,534856E+22	2,527546E+22	2,420935E+22	2,243589E+22	2,102427E+22	2,102403E+22	2,243523E+22	2,420850E+22
-1423	2,527506E+22	2,534903E+22	2,500366E+22	2,500346E+22	2,534875E+22	2,527540E+22	2,420899E+22	2,243541E+22	2,102398E+22	2,102420E+22	2,243600E+22	2,420948E+22
-1422	2,527520E+22	2,534811E+22	2,500264E+22	2,500263E+22	2,534818E+22	2,527520E+22	2,420904E+22	2,243544E+22	2,102383E+22	2,102373E+22	2,243511E+22	2,420851E+22
-1421	2,527446E+22	2,534741E+22	2,500226E+22	2,500278E+22	2,534850E+22	2,527548E+22	2,420930E+22	2,243567E+22	2,102394E+22	2,102382E+22	2,243544E+22	2,420926E+22
-1420	2,527585E+22	2,534895E+22	2,500308E+22	2,500303E+22	2,534845E+22	2,527517E+22	2,420884E+22	2,243519E+22	2,102363E+22	2,102381E+22	2,243563E+22	2,420923E+22
-1419	2,527525E+22	2,534817E+22	2,500231E+22	2,500217E+22	2,534783E+22	2,527504E+22	2,420906E+22	2,243550E+22	2,102373E+22	2,102351E+22	2,243497E+22	2,420847E+22
-1418	2,527466E+22	2,534830E+22	2,500328E+22	2,500318E+22	2,534835E+22	2,527509E+22	2,420897E+22	2,243562E+22	2,102416E+22	2,102416E+22	2,243577E+22	2,420952E+22
-1417	2,527584E+22	2,534890E+22	2,500343E+22	2,500337E+22	2,534849E+22	2,527509E+22	2,420882E+22	2,243532E+22	2,102400E+22	2,102418E+22	2,243561E+22	2,420880E+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	2,527474E+22	2,534770E+22	2,500231E+22	2,500286E+22	2,534866E+22	2,527555E+22	2,420931E+22	2,243580E+22	2,102430E+22	2,102423E+22	2,243552E+22	2,420871E+22
-1415	2,527504E+22	2,534887E+22	2,500361E+22	2,500351E+22	2,534886E+22	2,527560E+22	2,420932E+22	2,243588E+22	2,102451E+22	2,102465E+22	2,243633E+22	2,420990E+22
-1414	2,527580E+22	2,534872E+22	2,500321E+22	2,500306E+22	2,534834E+22	2,527528E+22	2,420937E+22	2,243619E+22	2,102488E+22	2,102468E+22	2,243562E+22	2,420866E+22
-1413	2,527464E+22	2,534784E+22	2,500280E+22	2,500315E+22	2,534857E+22	2,527549E+22	2,420970E+22	2,243672E+22	2,102545E+22	2,102518E+22	2,243607E+22	2,420914E+22
-1412	2,527558E+22	2,534930E+22	2,500406E+22	2,500397E+22	2,534892E+22	2,527530E+22	2,420916E+22	2,243620E+22	2,102529E+22	2,102552E+22	2,243676E+22	2,420967E+22
-1411	2,527534E+22	2,534848E+22	2,500316E+22	2,500312E+22	2,534842E+22	2,527528E+22	2,420937E+22	2,243638E+22	2,102528E+22	2,102522E+22	2,243617E+22	2,420895E+22
-1410	2,527460E+22	2,534807E+22	2,500338E+22	2,500365E+22	2,534883E+22	2,527547E+22	2,420946E+22	2,243650E+22	2,102548E+22	2,102553E+22	2,243673E+22	2,421002E+22
-1409	2,527619E+22	2,534927E+22	2,500380E+22	2,500376E+22	2,534886E+22	2,527542E+22	2,420928E+22	2,243607E+22	2,102498E+22	2,102515E+22	2,243640E+22	2,420942E+22
-1408	2,527527E+22	2,534825E+22	2,500268E+22	2,500282E+22	2,534850E+22	2,527556E+22	2,420964E+22	2,243644E+22	2,102503E+22	2,102473E+22	2,243568E+22	2,420872E+22
-1407	2,527501E+22	2,534900E+22	2,500397E+22	2,500364E+22	2,534861E+22	2,527532E+22	2,420935E+22	2,243624E+22	2,102499E+22	2,102491E+22	2,243624E+22	2,420974E+22
-1406	2,527587E+22	2,534898E+22	2,500368E+22	2,500353E+22	2,534846E+22	2,527500E+22	2,420897E+22	2,243593E+22	2,102480E+22	2,102471E+22	2,243562E+22	2,420848E+22
-1405	2,527438E+22	2,534756E+22	2,500247E+22	2,500300E+22	2,534865E+22	2,527548E+22	2,420936E+22	2,243610E+22	2,102475E+22	2,102465E+22	2,243579E+22	2,420885E+22
-1404	2,527504E+22	2,534871E+22	2,500351E+22	2,500357E+22	2,534891E+22	2,527546E+22	2,420901E+22	2,243550E+22	2,102420E+22	2,102448E+22	2,243624E+22	2,420974E+22
-1403	2,527547E+22	2,534828E+22	2,500268E+22	2,500256E+22	2,534811E+22	2,527524E+22	2,420923E+22	2,243573E+22	2,102411E+22	2,102394E+22	2,243529E+22	2,420867E+22
-1402	2,527460E+22	2,534766E+22	2,500250E+22	2,500273E+22	2,534820E+22	2,527515E+22	2,420922E+22	2,243596E+22	2,102447E+22	2,102428E+22	2,243565E+22	2,420932E+22
-1401	2,527595E+22	2,534922E+22	2,500353E+22	2,500332E+22	2,534844E+22	2,527505E+22	2,420886E+22	2,243547E+22	2,102415E+22	2,102428E+22	2,243576E+22	2,420906E+22
-1400	2,527509E+22	2,534823E+22	2,500261E+22	2,500260E+22	2,534821E+22	2,527519E+22	2,420913E+22	2,243578E+22	2,102431E+22	2,102416E+22	2,243532E+22	2,420838E+22
-1399	2,527443E+22	2,534832E+22	2,500351E+22	2,500345E+22	2,534858E+22	2,527521E+22	2,420904E+22	2,243577E+22	2,102452E+22	2,102462E+22	2,243614E+22	2,420974E+22
-1398	2,527587E+22	2,534886E+22	2,500357E+22	2,500362E+22	2,534873E+22	2,527524E+22	2,420897E+22	2,243571E+22	2,102460E+22	2,102470E+22	2,243588E+22	2,420888E+22
-1397	2,527472E+22	2,534766E+22	2,500228E+22	2,500279E+22	2,534864E+22	2,527566E+22	2,420966E+22	2,243643E+22	2,102507E+22	2,102488E+22	2,243589E+22	2,420889E+22
-1396	2,527508E+22	2,534884E+22	2,500373E+22	2,500364E+22	2,534886E+22	2,527554E+22	2,420944E+22	2,243632E+22	2,102519E+22	2,102523E+22	2,243653E+22	2,420986E+22
-1395	2,527582E+22	2,534895E+22	2,500358E+22	2,500328E+22	2,534832E+22	2,527517E+22	2,420946E+22	2,243662E+22	2,102554E+22	2,102536E+22	2,243610E+22	2,420877E+22
-1394	2,527449E+22	2,534782E+22	2,500303E+22	2,500335E+22	2,534851E+22	2,527518E+22	2,420947E+22	2,243691E+22	2,102607E+22	2,102595E+22	2,243670E+22	2,420949E+22
-1393	2,527563E+22	2,534925E+22	2,500417E+22	2,500413E+22	2,534906E+22	2,527541E+22	2,420923E+22	2,243633E+22	2,102565E+22	2,102598E+22	2,243713E+22	2,420991E+22
-1392	2,527548E+22	2,534854E+22	2,500324E+22	2,500323E+22	2,534860E+22	2,527549E+22	2,420959E+22	2,243666E+22	2,102566E+22	2,102561E+22	2,243639E+22	2,420902E+22
-1391	2,527478E+22	2,534838E+22	2,500359E+22	2,500362E+22	2,534867E+22	2,527535E+22	2,420950E+22	2,243670E+22	2,102575E+22	2,102571E+22	2,243675E+22	2,421001E+22
-1390	2,527632E+22	2,534959E+22	2,500420E+22	2,500399E+22	2,534886E+22	2,527527E+22	2,420922E+22	2,243639E+22	2,102558E+22	2,102557E+22	2,243637E+22	2,420910E+22
-1389	2,527499E+22	2,534828E+22	2,500297E+22	2,500306E+22	2,534854E+22	2,527546E+22	2,420966E+22	2,243680E+22	2,102567E+22	2,102536E+22	2,243599E+22	2,420863E+22
-1388	2,527465E+22	2,534862E+22	2,500404E+22	2,500404E+22	2,534894E+22	2,527537E+22	2,420928E+22	2,243634E+22	2,102536E+22	2,102539E+22	2,243652E+22	2,420974E+22
-1387	2,527571E+22	2,534882E+22	2,500370E+22	2,500369E+22	2,534871E+22	2,527526E+22	2,420918E+22	2,243613E+22	2,102507E+22	2,102511E+22	2,243608E+22	2,420878E+22
-1386	2,527435E+22	2,534737E+22	2,500234E+22	2,500286E+22	2,534849E+22	2,527537E+22	2,420943E+22	2,243636E+22	2,102516E+22	2,102508E+22	2,243618E+22	2,420924E+22
-1385	2,527535E+22	2,534881E+22	2,500349E+22	2,500339E+22	2,534876E+22	2,527551E+22	2,420924E+22	2,243584E+22	2,102461E+22	2,102480E+22	2,243633E+22	2,420976E+22
-1384	2,527566E+22	2,534857E+22	2,500292E+22	2,500258E+22	2,534802E+22	2,527518E+22	2,420935E+22	2,243611E+22	2,102470E+22	2,102448E+22	2,243545E+22	2,420850E+22
-1383	2,527455E+22	2,534796E+22	2,500297E+22	2,500298E+22	2,534807E+22	2,527484E+22	2,420903E+22	2,243609E+22	2,102490E+22	2,102479E+22	2,243593E+22	2,420933E+22
-1382	2,527588E+22	2,534930E+22	2,500393E+22	2,500381E+22	2,534874E+22	2,527495E+22	2,420862E+22	2,243560E+22	2,102472E+22	2,102490E+22	2,243610E+22	2,420905E+22
-1381	2,527488E+22	2,534804E+22	2,500266E+22	2,500278E+22	2,534847E+22	2,527540E+22	2,420929E+22	2,243606E+22	2,102483E+22	2,102477E+22	2,243580E+22	2,420866E+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	2,527442E+22	2,534805E+22	2,500346E+22	2,500366E+22	2,534881E+22	2,527543E+22	2,420929E+22	2,243609E+22	2,102491E+22	2,102496E+22	2,243630E+22	2,420983E+22
-1379	2,527605E+22	2,534906E+22	2,500373E+22	2,500365E+22	2,534873E+22	2,527538E+22	2,420933E+22	2,243624E+22	2,102512E+22	2,102512E+22	2,243613E+22	2,420893E+22
-1378	2,527469E+22	2,534779E+22	2,500255E+22	2,500279E+22	2,534833E+22	2,527536E+22	2,420970E+22	2,243694E+22	2,102588E+22	2,102561E+22	2,243627E+22	2,420898E+22
-1377	2,527512E+22	2,534897E+22	2,500404E+22	2,500385E+22	2,534885E+22	2,527547E+22	2,420950E+22	2,243668E+22	2,102589E+22	2,102595E+22	2,243689E+22	2,420981E+22
-1376	2,527571E+22	2,534896E+22	2,500380E+22	2,500358E+22	2,534856E+22	2,527525E+22	2,420948E+22	2,243689E+22	2,102617E+22	2,102613E+22	2,243660E+22	2,420885E+22
-1375	2,527446E+22	2,534791E+22	2,500325E+22	2,500355E+22	2,534859E+22	2,527516E+22	2,420941E+22	2,243697E+22	2,102637E+22	2,102640E+22	2,243713E+22	2,420982E+22
-1374	2,527586E+22	2,534938E+22	2,500438E+22	2,500437E+22	2,534920E+22	2,527537E+22	2,420921E+22	2,243659E+22	2,102612E+22	2,102635E+22	2,243727E+22	2,420994E+22
-1373	2,527553E+22	2,534861E+22	2,500333E+22	2,500326E+22	2,534861E+22	2,527556E+22	2,420981E+22	2,243710E+22	2,102621E+22	2,102604E+22	2,243658E+22	2,420903E+22
-1372	2,527474E+22	2,534837E+22	2,500385E+22	2,500393E+22	2,534874E+22	2,527533E+22	2,420959E+22	2,243701E+22	2,102620E+22	2,102607E+22	2,243677E+22	2,420975E+22
-1371	2,527616E+22	2,534969E+22	2,500454E+22	2,500431E+22	2,534897E+22	2,527528E+22	2,420933E+22	2,243670E+22	2,102602E+22	2,102607E+22	2,243674E+22	2,420907E+22
-1370	2,527465E+22	2,534802E+22	2,500302E+22	2,500319E+22	2,534855E+22	2,527534E+22	2,420957E+22	2,243698E+22	2,102618E+22	2,102602E+22	2,243655E+22	2,420894E+22
-1369	2,527465E+22	2,534837E+22	2,500385E+22	2,500395E+22	2,534902E+22	2,527560E+22	2,420946E+22	2,243649E+22	2,102566E+22	2,102578E+22	2,243684E+22	2,420992E+22
-1368	2,527584E+22	2,534879E+22	2,500358E+22	2,500356E+22	2,534868E+22	2,527538E+22	2,420942E+22	2,243646E+22	2,102546E+22	2,102548E+22	2,243630E+22	2,420888E+22
-1367	2,527462E+22	2,534770E+22	2,500248E+22	2,500273E+22	2,534816E+22	2,527509E+22	2,420936E+22	2,243654E+22	2,102545E+22	2,102532E+22	2,243628E+22	2,420931E+22
-1366	2,527559E+22	2,534920E+22	2,500394E+22	2,500363E+22	2,534863E+22	2,527514E+22	2,420902E+22	2,243610E+22	2,102520E+22	2,102524E+22	2,243639E+22	2,420953E+22
-1365	2,527550E+22	2,534868E+22	2,500331E+22	2,500296E+22	2,534814E+22	2,527510E+22	2,420930E+22	2,243636E+22	2,102525E+22	2,102510E+22	2,243583E+22	2,420850E+22
-1364	2,527431E+22	2,534776E+22	2,500323E+22	2,500352E+22	2,534848E+22	2,527500E+22	2,420903E+22	2,243618E+22	2,102522E+22	2,102521E+22	2,243618E+22	2,420930E+22
-1363	2,527575E+22	2,534928E+22	2,500412E+22	2,500412E+22	2,534909E+22	2,527535E+22	2,420898E+22	2,243591E+22	2,102504E+22	2,102531E+22	2,243651E+22	2,420924E+22
-1362	2,527481E+22	2,534789E+22	2,500264E+22	2,500280E+22	2,534845E+22	2,527547E+22	2,420956E+22	2,243658E+22	2,102547E+22	2,102534E+22	2,243620E+22	2,420892E+22
-1361	2,527463E+22	2,534806E+22	2,500338E+22	2,500352E+22	2,534876E+22	2,527562E+22	2,420966E+22	2,243667E+22	2,102562E+22	2,102552E+22	2,243650E+22	2,420974E+22
-1360	2,527606E+22	2,534925E+22	2,500398E+22	2,500374E+22	2,534864E+22	2,527532E+22	2,420955E+22	2,243684E+22	2,102599E+22	2,102594E+22	2,243650E+22	2,420886E+22
-1359	2,527465E+22	2,534799E+22	2,500291E+22	2,500300E+22	2,534813E+22	2,527493E+22	2,420944E+22	2,243713E+22	2,102647E+22	2,102635E+22	2,243681E+22	2,420917E+22
-1358	2,527512E+22	2,534902E+22	2,500433E+22	2,500422E+22	2,534898E+22	2,527522E+22	2,420919E+22	2,243680E+22	2,102649E+22	2,102665E+22	2,243740E+22	2,420999E+22
-1357	2,527566E+22	2,534890E+22	2,500388E+22	2,500376E+22	2,534872E+22	2,527535E+22	2,420954E+22	2,243704E+22	2,102656E+22	2,102667E+22	2,243711E+22	2,420921E+22
-1356	2,527459E+22	2,534785E+22	2,500333E+22	2,500377E+22	2,534874E+22	2,527527E+22	2,420953E+22	2,243713E+22	2,102657E+22	2,102656E+22	2,243717E+22	2,420983E+22
-1355	2,527605E+22	2,534972E+22	2,500468E+22	2,500453E+22	2,534926E+22	2,527552E+22	2,420949E+22	2,243696E+22	2,102645E+22	2,102659E+22	2,243738E+22	2,420984E+22
-1354	2,527542E+22	2,534872E+22	2,500364E+22	2,500344E+22	2,534848E+22	2,527536E+22	2,420987E+22	2,243751E+22	2,102684E+22	2,102658E+22	2,243679E+22	2,420897E+22
-1353	2,527463E+22	2,534831E+22	2,500397E+22	2,500413E+22	2,534891E+22	2,527547E+22	2,420974E+22	2,243733E+22	2,102674E+22	2,102660E+22	2,243700E+22	2,420956E+22
-1352	2,527586E+22	2,534953E+22	2,500460E+22	2,500453E+22	2,534921E+22	2,527548E+22	2,420951E+22	2,243701E+22	2,102654E+22	2,102667E+22	2,243714E+22	2,420913E+22
-1351	2,527457E+22	2,534795E+22	2,500299E+22	2,500318E+22	2,534844E+22	2,527526E+22	2,420959E+22	2,243712E+22	2,102646E+22	2,102640E+22	2,243695E+22	2,420928E+22
-1350	2,527489E+22	2,534846E+22	2,500385E+22	2,500394E+22	2,534891E+22	2,527542E+22	2,420944E+22	2,243681E+22	2,102616E+22	2,102615E+22	2,243702E+22	2,420999E+22
-1349	2,527598E+22	2,534896E+22	2,500363E+22	2,500347E+22	2,534851E+22	2,527529E+22	2,420952E+22	2,243682E+22	2,102599E+22	2,102595E+22	2,243656E+22	2,420894E+22
-1348	2,527465E+22	2,534784E+22	2,500285E+22	2,500306E+22	2,534813E+22	2,527490E+22	2,420928E+22	2,243671E+22	2,102583E+22	2,102567E+22	2,243637E+22	2,420915E+22
-1347	2,527552E+22	2,534943E+22	2,500441E+22	2,500413E+22	2,534882E+22	2,527509E+22	2,420899E+22	2,243625E+22	2,102553E+22	2,102572E+22	2,243680E+22	2,420954E+22
-1346	2,527519E+22	2,534849E+22	2,500347E+22	2,500330E+22	2,534833E+22	2,527510E+22	2,420926E+22	2,243654E+22	2,102572E+22	2,102569E+22	2,243635E+22	2,420879E+22
-1345	2,527435E+22	2,534760E+22	2,500312E+22	2,500358E+22	2,534874E+22	2,527541E+22	2,420937E+22	2,243647E+22	2,102560E+22	2,102562E+22	2,243645E+22	2,420935E+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	2,527576E+22	2,534928E+22	2,500408E+22	2,500410E+22	2,534913E+22	2,527557E+22	2,420940E+22	2,243646E+22	2,102563E+22	2,102579E+22	2,243669E+22	2,420923E+22
-1343	2,527494E+22	2,534814E+22	2,500280E+22	2,500276E+22	2,534816E+22	2,527522E+22	2,420962E+22	2,243699E+22	2,102609E+22	2,102588E+22	2,243646E+22	2,420898E+22
-1342	2,527476E+22	2,534835E+22	2,500373E+22	2,500374E+22	2,534859E+22	2,527521E+22	2,420950E+22	2,243710E+22	2,102645E+22	2,102624E+22	2,243680E+22	2,420962E+22
-1341	2,527585E+22	2,534925E+22	2,500420E+22	2,500402E+22	2,534872E+22	2,527519E+22	2,420947E+22	2,243712E+22	2,102668E+22	2,102675E+22	2,243712E+22	2,420906E+22
-1340	2,527449E+22	2,534785E+22	2,500315E+22	2,500348E+22	2,534842E+22	2,527498E+22	2,420937E+22	2,243717E+22	2,102678E+22	2,102680E+22	2,243721E+22	2,420938E+22
-1339	2,527521E+22	2,534914E+22	2,500457E+22	2,500453E+22	2,534922E+22	2,527543E+22	2,420940E+22	2,243700E+22	2,102671E+22	2,102701E+22	2,243783E+22	2,421025E+22
-1338	2,527573E+22	2,534892E+22	2,500397E+22	2,500387E+22	2,534873E+22	2,527538E+22	2,420973E+22	2,243744E+22	2,102706E+22	2,102708E+22	2,243738E+22	2,420941E+22
-1337	2,527484E+22	2,534806E+22	2,500341E+22	2,500374E+22	2,534879E+22	2,527551E+22	2,420988E+22	2,243760E+22	2,102713E+22	2,102696E+22	2,243718E+22	2,420955E+22
-1336	2,527589E+22	2,534991E+22	2,500502E+22	2,500474E+22	2,534927E+22	2,527555E+22	2,420976E+22	2,243752E+22	2,102719E+22	2,102720E+22	2,243753E+22	2,420961E+22
-1335	2,527521E+22	2,534875E+22	2,500387E+22	2,500370E+22	2,534844E+22	2,527510E+22	2,420972E+22	2,243774E+22	2,102740E+22	2,102721E+22	2,243723E+22	2,420909E+22
-1334	2,527453E+22	2,534818E+22	2,500397E+22	2,500433E+22	2,534902E+22	2,527531E+22	2,420960E+22	2,243755E+22	2,102731E+22	2,102719E+22	2,243743E+22	2,420971E+22
-1333	2,527573E+22	2,534932E+22	2,500442E+22	2,500447E+22	2,534923E+22	2,527556E+22	2,420964E+22	2,243724E+22	2,102691E+22	2,102715E+22	2,243763E+22	2,420951E+22
-1332	2,527471E+22	2,534793E+22	2,500303E+22	2,500322E+22	2,534834E+22	2,527516E+22	2,420962E+22	2,243726E+22	2,102665E+22	2,102654E+22	2,243702E+22	2,420935E+22
-1331	2,527513E+22	2,534889E+22	2,500420E+22	2,500406E+22	2,534878E+22	2,527528E+22	2,420949E+22	2,243703E+22	2,102644E+22	2,102644E+22	2,243720E+22	2,420996E+22
-1330	2,527590E+22	2,534916E+22	2,500401E+22	2,500374E+22	2,534841E+22	2,527500E+22	2,420939E+22	2,243706E+22	2,102652E+22	2,102646E+22	2,243682E+22	2,420897E+22
-1329	2,527461E+22	2,534788E+22	2,500301E+22	2,500336E+22	2,534846E+22	2,527511E+22	2,420933E+22	2,243687E+22	2,102623E+22	2,102611E+22	2,243657E+22	2,420898E+22
-1328	2,527523E+22	2,534934E+22	2,500458E+22	2,500448E+22	2,534922E+22	2,527543E+22	2,420928E+22	2,243659E+22	2,102600E+22	2,102619E+22	2,243707E+22	2,420961E+22
-1327	2,527516E+22	2,534842E+22	2,500347E+22	2,500341E+22	2,534836E+22	2,527512E+22	2,420940E+22	2,243681E+22	2,102610E+22	2,102607E+22	2,243667E+22	2,420904E+22
-1326	2,527451E+22	2,534763E+22	2,500304E+22	2,500357E+22	2,534869E+22	2,527531E+22	2,420954E+22	2,243703E+22	2,102630E+22	2,102611E+22	2,243666E+22	2,420934E+22
-1325	2,527570E+22	2,534935E+22	2,500412E+22	2,500404E+22	2,534899E+22	2,527552E+22	2,420962E+22	2,243700E+22	2,102639E+22	2,102648E+22	2,243711E+22	2,420932E+22
-1324	2,527484E+22	2,534821E+22	2,500314E+22	2,500303E+22	2,534802E+22	2,527492E+22	2,420953E+22	2,243727E+22	2,102667E+22	2,102648E+22	2,243679E+22	2,420898E+22
-1323	2,527469E+22	2,534855E+22	2,500413E+22	2,500413E+22	2,534871E+22	2,527506E+22	2,420938E+22	2,243724E+22	2,102691E+22	2,102694E+22	2,243744E+22	2,420985E+22
-1322	2,527571E+22	2,534915E+22	2,500431E+22	2,500426E+22	2,534883E+22	2,527512E+22	2,420937E+22	2,243726E+22	2,102716E+22	2,102738E+22	2,243770E+22	2,420952E+22
-1321	2,527474E+22	2,534790E+22	2,500310E+22	2,500352E+22	2,534866E+22	2,527531E+22	2,420962E+22	2,243740E+22	2,102709E+22	2,102710E+22	2,243738E+22	2,420946E+22
-1320	2,527535E+22	2,534937E+22	2,500477E+22	2,500468E+22	2,534931E+22	2,527560E+22	2,420977E+22	2,243752E+22	2,102722E+22	2,102732E+22	2,243783E+22	2,421018E+22
-1319	2,527586E+22	2,534923E+22	2,500430E+22	2,500403E+22	2,534858E+22	2,527516E+22	2,420979E+22	2,243785E+22	2,102763E+22	2,102751E+22	2,243748E+22	2,420931E+22
-1318	2,527481E+22	2,534829E+22	2,500378E+22	2,500409E+22	2,534881E+22	2,527525E+22	2,420985E+22	2,243810E+22	2,102793E+22	2,102761E+22	2,243740E+22	2,420929E+22
-1317	2,527544E+22	2,534974E+22	2,500514E+22	2,500502E+22	2,534949E+22	2,527561E+22	2,420984E+22	2,243787E+22	2,102785E+22	2,102796E+22	2,243808E+22	2,420972E+22
-1316	2,527490E+22	2,534848E+22	2,500396E+22	2,500398E+22	2,534864E+22	2,527517E+22	2,420975E+22	2,243787E+22	2,102774E+22	2,102765E+22	2,243762E+22	2,420932E+22
-1315	2,527459E+22	2,534820E+22	2,500401E+22	2,500441E+22	2,534909E+22	2,527539E+22	2,420975E+22	2,243773E+22	2,102756E+22	2,102758E+22	2,243788E+22	2,421003E+22
-1314	2,527582E+22	2,534930E+22	2,500434E+22	2,500438E+22	2,534908E+22	2,527542E+22	2,420971E+22	2,243757E+22	2,102739E+22	2,102756E+22	2,243792E+22	2,420982E+22
-1313	2,527503E+22	2,534823E+22	2,500311E+22	2,500315E+22	2,534832E+22	2,527524E+22	2,420974E+22	2,243754E+22	2,102706E+22	2,102687E+22	2,243706E+22	2,420919E+22
-1312	2,527506E+22	2,534915E+22	2,500462E+22	2,500435E+22	2,534879E+22	2,527517E+22	2,420954E+22	2,243735E+22	2,102695E+22	2,102688E+22	2,243732E+22	2,420983E+22
-1311	2,527575E+22	2,534919E+22	2,500429E+22	2,500411E+22	2,534852E+22	2,527479E+22	2,420917E+22	2,243711E+22	2,102688E+22	2,102693E+22	2,243717E+22	2,420911E+22
-1310	2,527456E+22	2,534785E+22	2,500308E+22	2,500361E+22	2,534867E+22	2,527509E+22	2,420931E+22	2,243711E+22	2,102668E+22	2,102656E+22	2,243685E+22	2,420902E+22
-1309	2,527501E+22	2,534912E+22	2,500441E+22	2,500444E+22	2,534933E+22	2,527565E+22	2,420958E+22	2,243697E+22	2,102645E+22	2,102662E+22	2,243739E+22	2,420979E+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°
-1308	2,527515E+22	2,534842E+22	2,500354E+22	2,500345E+22	2,534830E+22	2,527509E+22	2,420957E+22	2,243718E+22	2,102652E+22	2,102636E+22	2,243675E+22	2,420905E+22
-1307	2,527463E+22	2,534798E+22	2,500334E+22	2,500365E+22	2,534854E+22	2,527514E+22	2,420962E+22	2,243740E+22	2,102685E+22	2,102668E+22	2,243699E+22	2,420934E+22
-1306	2,527553E+22	2,534938E+22	2,500438E+22	2,500425E+22	2,534887E+22	2,527521E+22	2,420951E+22	2,243736E+22	2,102712E+22	2,102724E+22	2,243761E+22	2,420952E+22
-1305	2,527486E+22	2,534827E+22	2,500328E+22	2,500327E+22	2,534831E+22	2,527505E+22	2,420951E+22	2,243744E+22	2,102717E+22	2,102709E+22	2,243719E+22	2,420902E+22
-1304	2,527456E+22	2,534861E+22	2,500440E+22	2,500446E+22	2,534899E+22	2,527525E+22	2,420956E+22	2,243754E+22	2,102740E+22	2,102745E+22	2,243777E+22	2,421007E+22
-1303	2,527585E+22	2,534924E+22	2,500446E+22	2,500446E+22	2,534890E+22	2,527509E+22	2,420945E+22	2,243753E+22	2,102758E+22	2,102779E+22	2,243799E+22	2,420977E+22
-1302	2,527502E+22	2,534817E+22	2,500326E+22	2,500366E+22	2,534869E+22	2,527525E+22	2,420981E+22	2,243799E+22	2,102779E+22	2,102756E+22	2,243747E+22	2,420932E+22
-1301	2,527521E+22	2,534948E+22	2,500499E+22	2,500481E+22	2,534933E+22	2,527566E+22	2,421005E+22	2,243811E+22	2,102801E+22	2,102798E+22	2,243810E+22	2,421009E+22
-1300	2,527558E+22	2,534924E+22	2,500471E+22	2,500443E+22	2,534863E+22	2,527499E+22	2,420977E+22	2,243818E+22	2,102824E+22	2,102811E+22	2,243779E+22	2,420925E+22
-1299	2,527458E+22	2,534827E+22	2,500402E+22	2,500443E+22	2,534902E+22	2,527524E+22	2,420981E+22	2,243825E+22	2,102841E+22	2,102834E+22	2,243806E+22	2,420952E+22
-1298	2,527520E+22	2,534941E+22	2,500502E+22	2,500507E+22	2,534957E+22	2,527562E+22	2,420984E+22	2,243804E+22	2,102830E+22	2,102857E+22	2,243867E+22	2,421024E+22
-1297	2,527517E+22	2,534845E+22	2,500370E+22	2,500377E+22	2,534870E+22	2,527538E+22	2,420991E+22	2,243806E+22	2,102800E+22	2,102793E+22	2,243780E+22	2,420946E+22
-1296	2,527479E+22	2,534848E+22	2,500418E+22	2,500438E+22	2,534898E+22	2,527535E+22	2,420992E+22	2,243811E+22	2,102798E+22	2,102782E+22	2,243787E+22	2,421007E+22
-1295	2,527606E+22	2,534965E+22	2,500467E+22	2,500446E+22	2,534882E+22	2,527501E+22	2,420951E+22	2,243774E+22	2,102778E+22	2,102787E+22	2,243798E+22	2,420976E+22
-1294	2,527508E+22	2,534849E+22	2,500351E+22	2,500349E+22	2,534834E+22	2,527493E+22	2,420959E+22	2,243782E+22	2,102757E+22	2,102729E+22	2,243715E+22	2,420894E+22
-1293	2,527467E+22	2,534902E+22	2,500480E+22	2,500470E+22	2,534914E+22	2,527534E+22	2,420961E+22	2,243755E+22	2,102738E+22	2,102738E+22	2,243766E+22	2,420986E+22
-1292	2,527544E+22	2,534898E+22	2,500445E+22	2,500440E+22	2,534877E+22	2,527496E+22	2,420929E+22	2,243725E+22	2,102711E+22	2,102720E+22	2,243737E+22	2,420921E+22
-1291	2,527456E+22	2,534786E+22	2,500313E+22	2,500369E+22	2,534881E+22	2,527527E+22	2,420958E+22	2,243740E+22	2,102705E+22	2,102700E+22	2,243721E+22	2,420917E+22
-1290	2,527496E+22	2,534900E+22	2,500430E+22	2,500430E+22	2,534920E+22	2,527560E+22	2,420977E+22	2,243748E+22	2,102714E+22	2,102720E+22	2,243769E+22	2,420997E+22
-1289	2,527533E+22	2,534860E+22	2,500357E+22	2,500333E+22	2,534825E+22	2,527511E+22	2,420971E+22	2,243762E+22	2,102720E+22	2,102696E+22	2,243696E+22	2,420893E+22
-1288	2,527450E+22	2,534817E+22	2,500377E+22	2,500395E+22	2,534852E+22	2,527493E+22	2,420960E+22	2,243780E+22	2,102758E+22	2,102736E+22	2,243735E+22	2,420944E+22
-1287	2,527550E+22	2,534937E+22	2,500461E+22	2,500454E+22	2,534893E+22	2,527493E+22	2,420922E+22	2,243743E+22	2,102761E+22	2,102791E+22	2,243816E+22	2,420988E+22
-1286	2,527501E+22	2,534835E+22	2,500345E+22	2,500353E+22	2,534846E+22	2,527500E+22	2,420950E+22	2,243769E+22	2,102763E+22	2,102760E+22	2,243755E+22	2,420920E+22
-1285	2,527457E+22	2,534862E+22	2,500447E+22	2,500457E+22	2,534915E+22	2,527546E+22	2,420984E+22	2,243791E+22	2,102786E+22	2,102789E+22	2,243806E+22	2,421020E+22
-1284	2,527588E+22	2,534943E+22	2,500480E+22	2,500468E+22	2,534896E+22	2,527510E+22	2,420960E+22	2,243791E+22	2,102804E+22	2,102811E+22	2,243803E+22	2,420968E+22
-1283	2,527507E+22	2,534853E+22	2,500375E+22	2,500396E+22	2,534877E+22	2,527522E+22	2,420992E+22	2,243836E+22	2,102843E+22	2,102822E+22	2,243779E+22	2,420919E+22
-1282	2,527486E+22	2,534930E+22	2,500516E+22	2,500509E+22	2,534944E+22	2,527558E+22	2,421009E+22	2,243854E+22	2,102880E+22	2,102878E+22	2,243858E+22	2,421021E+22
-1281	2,527548E+22	2,534912E+22	2,500467E+22	2,500459E+22	2,534900E+22	2,527528E+22	2,420989E+22	2,243844E+22	2,102876E+22	2,102873E+22	2,243822E+22	2,420936E+22
-1280	2,527447E+22	2,534820E+22	2,500410E+22	2,500452E+22	2,534912E+22	2,527537E+22	2,421003E+22	2,243860E+22	2,102886E+22	2,102878E+22	2,243839E+22	2,420984E+22
-1279	2,527541E+22	2,534937E+22	2,500495E+22	2,500497E+22	2,534940E+22	2,527545E+22	2,420984E+22	2,243826E+22	2,102867E+22	2,102893E+22	2,243895E+22	2,421056E+22
-1278	2,527557E+22	2,534878E+22	2,500387E+22	2,500373E+22	2,534849E+22	2,527513E+22	2,420994E+22	2,243844E+22	2,102850E+22	2,102828E+22	2,243785E+22	2,420934E+22
-1277	2,527476E+22	2,534868E+22	2,500447E+22	2,500447E+22	2,534887E+22	2,527522E+22	2,420995E+22	2,243841E+22	2,102850E+22	2,102830E+22	2,243804E+22	2,420992E+22
-1276	2,527583E+22	2,534973E+22	2,500516E+22	2,500489E+22	2,534893E+22	2,527482E+22	2,420932E+22	2,243782E+22	2,102812E+22	2,102826E+22	2,243815E+22	2,420966E+22
-1275	2,527492E+22	2,534852E+22	2,500381E+22	2,500389E+22	2,534867E+22	2,527501E+22	2,420950E+22	2,243780E+22	2,102787E+22	2,102782E+22	2,243759E+22	2,420903E+22
-1274	2,527439E+22	2,534862E+22	2,500466E+22	2,500476E+22	2,534931E+22	2,527553E+22	2,420978E+22	2,243779E+22	2,102776E+22	2,102783E+22	2,243802E+22	2,421014E+22
-1273	2,527560E+22	2,534891E+22	2,500422E+22	2,500426E+22	2,534892E+22	2,527526E+22	2,420959E+22	2,243759E+22	2,102748E+22	2,102749E+22	2,243747E+22	2,420920E+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	2,527461E+22	2,534805E+22	2,500332E+22	2,500364E+22	2,534866E+22	2,527524E+22	2,420984E+22	2,243794E+22	2,102767E+22	2,102740E+22	2,243729E+22	2,420920E+22
-1271	2,527506E+22	2,534914E+22	2,500454E+22	2,500434E+22	2,534894E+22	2,527522E+22	2,420962E+22	2,243778E+22	2,102779E+22	2,102784E+22	2,243801E+22	2,421003E+22
-1270	2,527540E+22	2,534878E+22	2,500391E+22	2,500362E+22	2,534822E+22	2,527480E+22	2,420956E+22	2,243794E+22	2,102787E+22	2,102767E+22	2,243735E+22	2,420889E+22
-1269	2,527427E+22	2,534808E+22	2,500398E+22	2,500428E+22	2,534881E+22	2,527505E+22	2,420962E+22	2,243799E+22	2,102809E+22	2,102803E+22	2,243789E+22	2,420968E+22
-1268	2,527541E+22	2,534934E+22	2,500490E+22	2,500487E+22	2,534914E+22	2,527501E+22	2,420927E+22	2,243757E+22	2,102791E+22	2,102827E+22	2,243846E+22	2,421011E+22
-1267	2,527520E+22	2,534854E+22	2,500371E+22	2,500377E+22	2,534868E+22	2,527518E+22	2,420971E+22	2,243796E+22	2,102806E+22	2,102809E+22	2,243789E+22	2,420931E+22
-1266	2,527459E+22	2,534864E+22	2,500456E+22	2,500462E+22	2,534917E+22	2,527555E+22	2,421012E+22	2,243847E+22	2,102858E+22	2,102848E+22	2,243830E+22	2,421025E+22
-1265	2,527598E+22	2,534962E+22	2,500496E+22	2,500475E+22	2,534905E+22	2,527523E+22	2,420982E+22	2,243839E+22	2,102874E+22	2,102872E+22	2,243822E+22	2,420946E+22
-1264	2,527480E+22	2,534859E+22	2,500416E+22	2,500430E+22	2,534887E+22	2,527517E+22	2,421003E+22	2,243884E+22	2,102919E+22	2,102893E+22	2,243819E+22	2,420932E+22
-1263	2,527476E+22	2,534907E+22	2,500517E+22	2,500523E+22	2,534947E+22	2,527541E+22	2,420991E+22	2,243868E+22	2,102933E+22	2,102947E+22	2,243913E+22	2,421055E+22
-1262	2,527563E+22	2,534908E+22	2,500462E+22	2,500456E+22	2,534891E+22	2,527518E+22	2,420996E+22	2,243873E+22	2,102920E+22	2,102921E+22	2,243857E+22	2,420955E+22
-1261	2,527456E+22	2,534822E+22	2,500410E+22	2,500447E+22	2,534905E+22	2,527538E+22	2,421018E+22	2,243890E+22	2,102926E+22	2,102915E+22	2,243863E+22	2,420998E+22
-1260	2,527555E+22	2,534967E+22	2,500533E+22	2,500505E+22	2,534919E+22	2,527519E+22	2,420976E+22	2,243845E+22	2,102898E+22	2,102914E+22	2,243894E+22	2,421045E+22
-1259	2,527567E+22	2,534918E+22	2,500445E+22	2,500410E+22	2,534851E+22	2,527495E+22	2,420981E+22	2,243852E+22	2,102889E+22	2,102878E+22	2,243807E+22	2,420915E+22
-1258	2,527446E+22	2,534857E+22	2,500473E+22	2,500484E+22	2,534909E+22	2,527521E+22	2,420990E+22	2,243859E+22	2,102897E+22	2,102885E+22	2,243835E+22	2,420991E+22
-1257	2,527569E+22	2,534960E+22	2,500514E+22	2,500513E+22	2,534941E+22	2,527522E+22	2,420947E+22	2,243796E+22	2,102843E+22	2,102863E+22	2,243836E+22	2,420961E+22
-1256	2,527472E+22	2,534839E+22	2,500392E+22	2,500407E+22	2,534889E+22	2,527531E+22	2,420986E+22	2,243821E+22	2,102829E+22	2,102813E+22	2,243780E+22	2,420925E+22
-1255	2,527450E+22	2,534840E+22	2,500446E+22	2,500465E+22	2,534922E+22	2,527548E+22	2,420992E+22	2,243817E+22	2,102827E+22	2,102827E+22	2,243827E+22	2,421031E+22
-1254	2,527584E+22	2,534909E+22	2,500429E+22	2,500413E+22	2,534864E+22	2,527509E+22	2,420979E+22	2,243815E+22	2,102815E+22	2,102804E+22	2,243768E+22	2,420911E+22
-1253	2,527452E+22	2,534814E+22	2,500358E+22	2,500372E+22	2,534848E+22	2,527505E+22	2,420987E+22	2,243834E+22	2,102836E+22	2,102812E+22	2,243772E+22	2,420920E+22
-1252	2,527489E+22	2,534921E+22	2,500496E+22	2,500468E+22	2,534892E+22	2,527492E+22	2,420937E+22	2,243786E+22	2,102824E+22	2,102843E+22	2,243845E+22	2,421019E+22
-1251	2,527544E+22	2,534890E+22	2,500424E+22	2,500401E+22	2,534850E+22	2,527482E+22	2,420938E+22	2,243785E+22	2,102820E+22	2,102833E+22	2,243795E+22	2,420917E+22
-1250	2,527425E+22	2,534790E+22	2,500394E+22	2,500438E+22	2,534897E+22	2,527522E+22	2,420977E+22	2,243821E+22	2,102847E+22	2,102849E+22	2,243826E+22	2,420998E+22
-1249	2,527573E+22	2,534950E+22	2,500489E+22	2,500491E+22	2,534938E+22	2,527532E+22	2,420959E+22	2,243796E+22	2,102832E+22	2,102854E+22	2,243849E+22	2,421003E+22
-1248	2,527528E+22	2,534887E+22	2,500416E+22	2,500398E+22	2,534866E+22	2,527520E+22	2,421001E+22	2,243857E+22	2,102874E+22	2,102848E+22	2,243791E+22	2,420923E+22
-1247	2,527456E+22	2,534864E+22	2,500481E+22	2,500483E+22	2,534909E+22	2,527532E+22	2,421011E+22	2,243889E+22	2,102934E+22	2,102920E+22	2,243861E+22	2,421016E+22
-1246	2,527586E+22	2,534967E+22	2,500525E+22	2,500506E+22	2,534910E+22	2,527511E+22	2,420989E+22	2,243883E+22	2,102946E+22	2,102948E+22	2,243867E+22	2,420941E+22
-1245	2,527448E+22	2,534838E+22	2,500423E+22	2,500448E+22	2,534902E+22	2,527531E+22	2,421017E+22	2,243915E+22	2,102977E+22	2,102965E+22	2,243877E+22	2,420955E+22
-1244	2,527468E+22	2,534899E+22	2,500529E+22	2,500532E+22	2,534946E+22	2,527537E+22	2,420995E+22	2,243887E+22	2,102967E+22	2,102988E+22	2,243948E+22	2,421082E+22
-1243	2,527593E+22	2,534932E+22	2,500480E+22	2,500467E+22	2,534893E+22	2,527514E+22	2,420995E+22	2,243888E+22	2,102961E+22	2,102971E+22	2,243890E+22	2,420967E+22
-1242	2,527465E+22	2,534833E+22	2,500422E+22	2,500448E+22	2,534894E+22	2,527529E+22	2,421026E+22	2,243924E+22	2,102980E+22	2,102962E+22	2,243883E+22	2,421001E+22
-1241	2,527566E+22	2,534989E+22	2,500558E+22	2,500529E+22	2,534933E+22	2,527519E+22	2,420978E+22	2,243868E+22	2,102941E+22	2,102954E+22	2,243906E+22	2,421023E+22
-1240	2,527540E+22	2,534924E+22	2,500490E+22	2,500460E+22	2,534876E+22	2,527497E+22	2,420983E+22	2,243877E+22	2,102934E+22	2,102919E+22	2,243833E+22	2,420925E+22
-1239	2,527432E+22	2,534826E+22	2,500466E+22	2,500502E+22	2,534927E+22	2,527527E+22	2,420987E+22	2,243868E+22	2,102931E+22	2,102931E+22	2,243873E+22	2,421010E+22
-1238	2,527575E+22	2,534953E+22	2,500504E+22	2,500508E+22	2,534937E+22	2,527534E+22	2,420978E+22	2,243833E+22	2,102878E+22	2,102897E+22	2,243857E+22	2,420965E+22
-1237	2,527471E+22	2,534835E+22	2,500386E+22	2,500397E+22	2,534879E+22	2,527539E+22	2,421016E+22	2,243867E+22	2,102880E+22	2,102855E+22	2,243802E+22	2,420929E+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	2,527455E+22	2,534861E+22	2,500468E+22	2,500462E+22	2,534892E+22	2,527520E+22	2,420989E+22	2,243848E+22	2,102876E+22	2,102867E+22	2,243842E+22	2,421026E+22
-1235	2,527589E+22	2,534936E+22	2,500470E+22	2,500442E+22	2,534859E+22	2,527483E+22	2,420959E+22	2,243827E+22	2,102870E+22	2,102876E+22	2,243812E+22	2,420911E+22
-1234	2,527434E+22	2,534805E+22	2,500376E+22	2,500403E+22	2,534863E+22	2,527499E+22	2,420979E+22	2,243850E+22	2,102886E+22	2,102878E+22	2,243823E+22	2,420943E+22
-1233	2,527495E+22	2,534921E+22	2,500501E+22	2,500492E+22	2,534925E+22	2,527514E+22	2,420943E+22	2,243796E+22	2,102852E+22	2,102881E+22	2,243875E+22	2,421028E+22
-1232	2,527543E+22	2,534899E+22	2,500454E+22	2,500434E+22	2,534872E+22	2,527504E+22	2,420968E+22	2,243823E+22	2,102859E+22	2,102860E+22	2,243814E+22	2,420942E+22
-1231	2,527446E+22	2,534793E+22	2,500398E+22	2,500443E+22	2,534896E+22	2,527521E+22	2,420992E+22	2,243863E+22	2,102903E+22	2,102894E+22	2,243843E+22	2,420997E+22
-1230	2,527587E+22	2,534979E+22	2,500514E+22	2,500494E+22	2,534919E+22	2,527526E+22	2,420991E+22	2,243860E+22	2,102907E+22	2,102913E+22	2,243863E+22	2,420976E+22
-1229	2,527500E+22	2,534890E+22	2,500450E+22	2,500429E+22	2,534866E+22	2,527514E+22	2,421018E+22	2,243913E+22	2,102960E+22	2,102933E+22	2,243836E+22	2,420915E+22
-1228	2,527425E+22	2,534855E+22	2,500507E+22	2,500515E+22	2,534915E+22	2,527511E+22	2,420996E+22	2,243911E+22	2,102994E+22	2,102993E+22	2,243916E+22	2,421032E+22
-1227	2,527577E+22	2,534960E+22	2,500538E+22	2,500533E+22	2,534930E+22	2,527514E+22	2,420978E+22	2,243886E+22	2,102992E+22	2,103025E+22	2,243934E+22	2,420976E+22
-1226	2,527451E+22	2,534822E+22	2,500411E+22	2,500446E+22	2,534902E+22	2,527536E+22	2,421031E+22	2,243939E+22	2,103018E+22	2,103014E+22	2,243922E+22	2,420993E+22
-1225	2,527504E+22	2,534922E+22	2,500528E+22	2,500529E+22	2,534947E+22	2,527541E+22	2,421008E+22	2,243915E+22	2,103003E+22	2,103014E+22	2,243955E+22	2,421078E+22
-1224	2,527605E+22	2,534974E+22	2,500532E+22	2,500496E+22	2,534890E+22	2,527505E+22	2,421006E+22	2,243927E+22	2,103010E+22	2,102999E+22	2,243894E+22	2,420966E+22
-1223	2,527467E+22	2,534841E+22	2,500450E+22	2,500479E+22	2,534897E+22	2,527508E+22	2,421013E+22	2,243944E+22	2,103030E+22	2,103012E+22	2,243905E+22	2,420990E+22
-1222	2,527554E+22	2,534997E+22	2,500583E+22	2,500561E+22	2,534949E+22	2,527526E+22	2,420994E+22	2,243899E+22	2,102984E+22	2,103000E+22	2,243932E+22	2,421013E+22
-1221	2,527507E+22	2,534901E+22	2,500496E+22	2,500487E+22	2,534902E+22	2,527526E+22	2,421013E+22	2,243910E+22	2,102976E+22	2,102965E+22	2,243869E+22	2,420934E+22
-1220	2,527418E+22	2,534812E+22	2,500461E+22	2,500504E+22	2,534926E+22	2,527532E+22	2,421006E+22	2,243898E+22	2,102965E+22	2,102962E+22	2,243897E+22	2,421024E+22
-1219	2,527588E+22	2,534966E+22	2,500509E+22	2,500508E+22	2,534933E+22	2,527531E+22	2,420985E+22	2,243859E+22	2,102929E+22	2,102951E+22	2,243888E+22	2,420970E+22
-1218	2,527471E+22	2,534840E+22	2,500386E+22	2,500383E+22	2,534852E+22	2,527521E+22	2,421024E+22	2,243907E+22	2,102943E+22	2,102915E+22	2,243835E+22	2,420936E+22
-1217	2,527462E+22	2,534878E+22	2,500485E+22	2,500480E+22	2,534891E+22	2,527499E+22	2,420979E+22	2,243870E+22	2,102927E+22	2,102921E+22	2,243872E+22	2,421021E+22
-1216	2,527575E+22	2,534949E+22	2,500510E+22	2,500487E+22	2,534876E+22	2,527471E+22	2,420946E+22	2,243841E+22	2,102911E+22	2,102919E+22	2,243852E+22	2,420941E+22
-1215	2,527436E+22	2,534788E+22	2,500371E+22	2,500419E+22	2,534876E+22	2,527496E+22	2,420968E+22	2,243853E+22	2,102915E+22	2,102920E+22	2,243862E+22	2,420969E+22
-1214	2,527515E+22	2,534936E+22	2,500510E+22	2,500499E+22	2,534923E+22	2,527526E+22	2,420976E+22	2,243833E+22	2,102884E+22	2,102908E+22	2,243889E+22	2,421028E+22
-1213	2,527544E+22	2,534912E+22	2,500473E+22	2,500449E+22	2,534873E+22	2,527513E+22	2,421000E+22	2,243875E+22	2,102918E+22	2,102903E+22	2,243828E+22	2,420928E+22
-1212	2,527438E+22	2,534818E+22	2,500434E+22	2,500461E+22	2,534885E+22	2,527504E+22	2,420999E+22	2,243905E+22	2,102969E+22	2,102948E+22	2,243860E+22	2,420979E+22
-1211	2,527568E+22	2,534994E+22	2,500556E+22	2,500539E+22	2,534934E+22	2,527515E+22	2,420979E+22	2,243886E+22	2,102982E+22	2,103002E+22	2,243913E+22	2,420970E+22
-1210	2,527467E+22	2,534866E+22	2,500453E+22	2,500454E+22	2,534887E+22	2,527520E+22	2,421025E+22	2,243947E+22	2,103029E+22	2,103015E+22	2,243901E+22	2,420944E+22
-1209	2,527426E+22	2,534843E+22	2,500496E+22	2,500531E+22	2,534940E+22	2,527529E+22	2,421010E+22	2,243937E+22	2,103039E+22	2,103045E+22	2,243962E+22	2,421058E+22
-1208	2,527584E+22	2,534967E+22	2,500554E+22	2,500552E+22	2,534939E+22	2,527523E+22	2,421002E+22	2,243927E+22	2,103037E+22	2,103057E+22	2,243967E+22	2,421018E+22
-1207	2,527483E+22	2,534834E+22	2,500411E+22	2,500441E+22	2,534889E+22	2,527524E+22	2,421035E+22	2,243972E+22	2,103069E+22	2,103058E+22	2,243945E+22	2,421005E+22
-1206	2,527530E+22	2,534967E+22	2,500565E+22	2,500535E+22	2,534922E+22	2,527525E+22	2,421029E+22	2,243959E+22	2,103058E+22	2,103059E+22	2,243967E+22	2,421057E+22
-1205	2,527582E+22	2,534986E+22	2,500575E+22	2,500540E+22	2,534902E+22	2,527497E+22	2,421012E+22	2,243963E+22	2,103071E+22	2,103060E+22	2,243925E+22	2,420954E+22
-1204	2,527440E+22	2,534842E+22	2,500475E+22	2,500514E+22	2,534917E+22	2,527501E+22	2,421000E+22	2,243954E+22	2,103069E+22	2,103060E+22	2,243940E+22	2,420997E+22
-1203	2,527538E+22	2,534985E+22	2,500587E+22	2,500584E+22	2,534975E+22	2,527541E+22	2,420993E+22	2,243905E+22	2,103021E+22	2,103052E+22	2,243970E+22	2,421029E+22
-1202	2,527500E+22	2,534881E+22	2,500474E+22	2,500477E+22	2,534902E+22	2,527538E+22	2,421041E+22	2,243949E+22	2,103019E+22	2,103003E+22	2,243898E+22	2,420958E+22
-1201	2,527442E+22	2,534825E+22	2,500448E+22	2,500490E+22	2,534914E+22	2,527523E+22	2,421019E+22	2,243934E+22	2,103006E+22	2,102989E+22	2,243901E+22	2,421015E+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	2,527583E+22	2,534991E+22	2,500546E+22	2,500527E+22	2,534919E+22	2,527509E+22	2,420987E+22	2,243896E+22	2,102981E+22	2,102987E+22	2,243906E+22	2,420980E+22
-1199	2,527467E+22	2,534843E+22	2,500406E+22	2,500406E+22	2,534848E+22	2,527488E+22	2,420998E+22	2,243917E+22	2,102991E+22	2,102974E+22	2,243872E+22	2,420942E+22
-1198	2,527458E+22	2,534891E+22	2,500509E+22	2,500501E+22	2,534895E+22	2,527495E+22	2,420982E+22	2,243886E+22	2,102962E+22	2,102968E+22	2,243906E+22	2,421025E+22
-1197	2,527555E+22	2,534940E+22	2,500526E+22	2,500520E+22	2,534904E+22	2,527492E+22	2,420967E+22	2,243867E+22	2,102950E+22	2,102961E+22	2,243885E+22	2,420956E+22
-1196	2,527439E+22	2,534798E+22	2,500381E+22	2,500434E+22	2,534885E+22	2,527500E+22	2,420982E+22	2,243882E+22	2,102952E+22	2,102950E+22	2,243877E+22	2,420976E+22
-1195	2,527525E+22	2,534957E+22	2,500532E+22	2,500517E+22	2,534933E+22	2,527531E+22	2,420988E+22	2,243871E+22	2,102948E+22	2,102965E+22	2,243909E+22	2,421019E+22
-1194	2,527530E+22	2,534916E+22	2,500489E+22	2,500461E+22	2,534869E+22	2,527511E+22	2,421024E+22	2,243932E+22	2,102997E+22	2,102976E+22	2,243865E+22	2,420928E+22
-1193	2,527426E+22	2,534819E+22	2,500447E+22	2,500490E+22	2,534899E+22	2,527495E+22	2,421003E+22	2,243945E+22	2,103038E+22	2,103021E+22	2,243904E+22	2,420979E+22
-1192	2,527539E+22	2,534986E+22	2,500580E+22	2,500579E+22	2,534960E+22	2,527519E+22	2,420983E+22	2,243916E+22	2,103040E+22	2,103064E+22	2,243973E+22	2,421018E+22
-1191	2,527473E+22	2,534847E+22	2,500437E+22	2,500454E+22	2,534890E+22	2,527517E+22	2,421023E+22	2,243965E+22	2,103076E+22	2,103075E+22	2,243954E+22	2,420986E+22
-1190	2,527460E+22	2,534869E+22	2,500503E+22	2,500519E+22	2,534918E+22	2,527527E+22	2,421039E+22	2,243978E+22	2,103082E+22	2,103082E+22	2,243984E+22	2,421071E+22
-1189	2,527598E+22	2,534997E+22	2,500584E+22	2,500566E+22	2,534932E+22	2,527515E+22	2,421020E+22	2,243974E+22	2,103096E+22	2,103101E+22	2,243979E+22	2,421010E+22
-1188	2,527487E+22	2,534874E+22	2,500460E+22	2,500469E+22	2,534881E+22	2,527497E+22	2,421026E+22	2,243999E+22	2,103121E+22	2,103103E+22	2,243957E+22	2,420990E+22
-1187	2,527517E+22	2,534987E+22	2,500616E+22	2,500591E+22	2,534950E+22	2,527519E+22	2,421010E+22	2,243972E+22	2,103114E+22	2,103125E+22	2,243999E+22	2,421047E+22
-1186	2,527548E+22	2,534964E+22	2,500580E+22	2,500568E+22	2,534933E+22	2,527517E+22	2,421026E+22	2,243988E+22	2,103118E+22	2,103116E+22	2,243967E+22	2,420968E+22
-1185	2,527429E+22	2,534822E+22	2,500462E+22	2,500529E+22	2,534945E+22	2,527525E+22	2,421023E+22	2,243982E+22	2,103104E+22	2,103095E+22	2,243964E+22	2,421006E+22
-1184	2,527528E+22	2,534980E+22	2,500591E+22	2,500594E+22	2,534984E+22	2,527552E+22	2,421019E+22	2,243947E+22	2,103062E+22	2,103076E+22	2,243990E+22	2,421055E+22
-1183	2,527513E+22	2,534878E+22	2,500457E+22	2,500453E+22	2,534878E+22	2,527518E+22	2,421044E+22	2,243984E+22	2,103076E+22	2,103052E+22	2,243920E+22	2,420966E+22
-1182	2,527456E+22	2,534855E+22	2,500473E+22	2,500481E+22	2,534877E+22	2,527497E+22	2,421030E+22	2,243972E+22	2,103061E+22	2,103040E+22	2,243924E+22	2,421006E+22
-1181	2,527561E+22	2,534993E+22	2,500578E+22	2,500560E+22	2,534922E+22	2,527487E+22	2,420976E+22	2,243919E+22	2,103035E+22	2,103048E+22	2,243946E+22	2,420984E+22
-1180	2,527455E+22	2,534848E+22	2,500426E+22	2,500432E+22	2,534862E+22	2,527475E+22	2,420973E+22	2,243910E+22	2,103016E+22	2,103016E+22	2,243910E+22	2,420964E+22
-1179	2,527461E+22	2,534897E+22	2,500525E+22	2,500526E+22	2,534921E+22	2,527505E+22	2,420972E+22	2,243883E+22	2,102989E+22	2,103008E+22	2,243934E+22	2,421042E+22
-1178	2,527560E+22	2,534937E+22	2,500521E+22	2,500521E+22	2,534914E+22	2,527509E+22	2,420996E+22	2,243907E+22	2,102991E+22	2,102993E+22	2,243901E+22	2,420967E+22
-1177	2,527456E+22	2,534818E+22	2,500393E+22	2,500445E+22	2,534891E+22	2,527501E+22	2,421003E+22	2,243929E+22	2,103008E+22	2,102986E+22	2,243879E+22	2,420957E+22
-1176	2,527504E+22	2,534972E+22	2,500575E+22	2,500554E+22	2,534943E+22	2,527527E+22	2,421004E+22	2,243924E+22	2,103018E+22	2,103017E+22	2,243933E+22	2,421022E+22
-1175	2,527512E+22	2,534904E+22	2,500499E+22	2,500483E+22	2,534879E+22	2,527498E+22	2,421020E+22	2,243968E+22	2,103072E+22	2,103057E+22	2,243919E+22	2,420943E+22
-1174	2,527420E+22	2,534823E+22	2,500460E+22	2,500496E+22	2,534898E+22	2,527503E+22	2,421026E+22	2,243981E+22	2,103095E+22	2,103087E+22	2,243956E+22	2,421000E+22
-1173	2,527527E+22	2,534973E+22	2,500589E+22	2,500596E+22	2,534973E+22	2,527531E+22	2,421007E+22	2,243958E+22	2,103098E+22	2,103124E+22	2,244018E+22	2,421046E+22
-1172	2,527496E+22	2,534872E+22	2,500452E+22	2,500458E+22	2,534883E+22	2,527504E+22	2,421025E+22	2,243994E+22	2,103124E+22	2,103120E+22	2,243981E+22	2,421005E+22
-1171	2,527486E+22	2,534909E+22	2,500538E+22	2,500536E+22	2,534917E+22	2,527512E+22	2,421028E+22	2,244005E+22	2,103147E+22	2,103142E+22	2,244003E+22	2,421063E+22
-1170	2,527593E+22	2,535015E+22	2,500619E+22	2,500593E+22	2,534935E+22	2,527506E+22	2,421029E+22	2,244017E+22	2,103165E+22	2,103165E+22	2,244010E+22	2,421007E+22
-1169	2,527475E+22	2,534878E+22	2,500490E+22	2,500517E+22	2,534909E+22	2,527488E+22	2,421018E+22	2,244022E+22	2,103171E+22	2,103156E+22	2,243985E+22	2,420981E+22
-1168	2,527480E+22	2,534967E+22	2,500637E+22	2,500635E+22	2,534990E+22	2,527539E+22	2,421020E+22	2,243993E+22	2,103150E+22	2,103164E+22	2,244037E+22	2,421076E+22
-1167	2,527542E+22	2,534934E+22	2,500558E+22	2,500563E+22	2,534943E+22	2,527529E+22	2,421038E+22	2,244010E+22	2,103156E+22	2,103160E+22	2,244003E+22	2,420994E+22
-1166	2,527449E+22	2,534835E+22	2,500455E+22	2,500497E+22	2,534916E+22	2,527529E+22	2,421058E+22	2,244024E+22	2,103144E+22	2,103126E+22	2,243977E+22	2,421007E+22
-1165	2,527527E+22	2,534988E+22	2,500606E+22	2,500591E+22	2,534968E+22	2,527541E+22	2,421033E+22	2,243992E+22	2,103122E+22	2,103122E+22	2,244001E+22	2,421046E+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	2,527516E+22	2,534906E+22	2,500490E+22	2,500465E+22	2,534859E+22	2,527479E+22	2,421018E+22	2,243997E+22	2,103123E+22	2,103101E+22	2,243943E+22	2,420963E+22
-1163	2,527450E+22	2,534870E+22	2,500511E+22	2,500521E+22	2,534894E+22	2,527476E+22	2,420992E+22	2,243970E+22	2,103107E+22	2,103099E+22	2,243960E+22	2,421011E+22
-1162	2,527544E+22	2,534978E+22	2,500587E+22	2,500583E+22	2,534948E+22	2,527502E+22	2,420983E+22	2,243934E+22	2,103069E+22	2,103093E+22	2,243985E+22	2,421009E+22
-1161	2,527460E+22	2,534840E+22	2,500430E+22	2,500456E+22	2,534889E+22	2,527494E+22	2,420991E+22	2,243932E+22	2,103041E+22	2,103038E+22	2,243924E+22	2,420971E+22
-1160	2,527462E+22	2,534903E+22	2,500544E+22	2,500549E+22	2,534944E+22	2,527529E+22	2,421005E+22	2,243927E+22	2,103029E+22	2,103029E+22	2,243943E+22	2,421054E+22
-1159	2,527568E+22	2,534944E+22	2,500524E+22	2,500513E+22	2,534906E+22	2,527508E+22	2,421013E+22	2,243955E+22	2,103060E+22	2,103052E+22	2,243921E+22	2,420960E+22
-1158	2,527456E+22	2,534843E+22	2,500426E+22	2,500445E+22	2,534868E+22	2,527493E+22	2,421029E+22	2,243985E+22	2,103086E+22	2,103058E+22	2,243912E+22	2,420945E+22
-1157	2,527470E+22	2,534955E+22	2,500599E+22	2,500589E+22	2,534959E+22	2,527520E+22	2,421007E+22	2,243967E+22	2,103099E+22	2,103103E+22	2,243986E+22	2,421032E+22
-1156	2,527500E+22	2,534898E+22	2,500504E+22	2,500496E+22	2,534887E+22	2,527488E+22	2,421005E+22	2,243980E+22	2,103123E+22	2,103127E+22	2,243978E+22	2,420981E+22
-1155	2,527437E+22	2,534832E+22	2,500476E+22	2,500510E+22	2,534906E+22	2,527497E+22	2,421015E+22	2,243996E+22	2,103145E+22	2,103145E+22	2,243999E+22	2,421031E+22
-1154	2,527549E+22	2,534984E+22	2,500595E+22	2,500592E+22	2,534963E+22	2,527528E+22	2,421025E+22	2,243998E+22	2,103150E+22	2,103169E+22	2,244044E+22	2,421062E+22
-1153	2,527519E+22	2,534903E+22	2,500489E+22	2,500485E+22	2,534884E+22	2,527489E+22	2,421027E+22	2,244026E+22	2,103175E+22	2,103159E+22	2,243986E+22	2,420988E+22
-1152	2,527475E+22	2,534934E+22	2,500600E+22	2,500593E+22	2,534942E+22	2,527509E+22	2,421028E+22	2,244034E+22	2,103196E+22	2,103186E+22	2,244025E+22	2,421060E+22
-1151	2,527572E+22	2,535002E+22	2,500631E+22	2,500622E+22	2,534962E+22	2,527511E+22	2,421025E+22	2,244038E+22	2,103221E+22	2,103230E+22	2,244051E+22	2,421012E+22
-1150	2,527462E+22	2,534874E+22	2,500502E+22	2,500524E+22	2,534923E+22	2,527519E+22	2,421054E+22	2,244055E+22	2,103216E+22	2,103205E+22	2,244021E+22	2,420991E+22
-1149	2,527459E+22	2,534936E+22	2,500632E+22	2,500646E+22	2,535006E+22	2,527561E+22	2,421056E+22	2,244042E+22	2,103205E+22	2,103210E+22	2,244062E+22	2,421086E+22
-1148	2,527555E+22	2,534941E+22	2,500551E+22	2,500547E+22	2,534926E+22	2,527519E+22	2,421046E+22	2,244043E+22	2,103203E+22	2,103202E+22	2,244025E+22	2,421006E+22
-1147	2,527468E+22	2,534864E+22	2,500479E+22	2,500494E+22	2,534893E+22	2,527501E+22	2,421043E+22	2,244050E+22	2,103206E+22	2,103182E+22	2,243999E+22	2,421002E+22
-1146	2,527521E+22	2,534994E+22	2,500626E+22	2,500598E+22	2,534952E+22	2,527517E+22	2,421028E+22	2,244021E+22	2,103179E+22	2,103184E+22	2,244039E+22	2,421053E+22
-1145	2,527512E+22	2,534905E+22	2,500517E+22	2,500506E+22	2,534877E+22	2,527461E+22	2,420993E+22	2,243998E+22	2,103155E+22	2,103146E+22	2,243975E+22	2,420970E+22
-1144	2,527438E+22	2,534864E+22	2,500534E+22	2,500561E+22	2,534931E+22	2,527493E+22	2,420991E+22	2,243970E+22	2,103119E+22	2,103123E+22	2,243992E+22	2,421041E+22
-1143	2,527553E+22	2,534967E+22	2,500575E+22	2,500581E+22	2,534958E+22	2,527516E+22	2,420997E+22	2,243954E+22	2,103098E+22	2,103122E+22	2,244005E+22	2,421025E+22
-1142	2,527485E+22	2,534868E+22	2,500447E+22	2,500441E+22	2,534874E+22	2,527508E+22	2,421032E+22	2,243979E+22	2,103085E+22	2,103065E+22	2,243925E+22	2,420957E+22
-1141	2,527448E+22	2,534905E+22	2,500572E+22	2,500568E+22	2,534944E+22	2,527530E+22	2,421032E+22	2,243988E+22	2,103105E+22	2,103086E+22	2,243951E+22	2,421025E+22
-1140	2,527555E+22	2,534961E+22	2,500557E+22	2,500536E+22	2,534902E+22	2,527486E+22	2,421004E+22	2,243985E+22	2,103129E+22	2,103125E+22	2,243961E+22	2,420958E+22
-1139	2,527440E+22	2,534844E+22	2,500455E+22	2,500476E+22	2,534883E+22	2,527479E+22	2,421006E+22	2,244003E+22	2,103156E+22	2,103141E+22	2,243967E+22	2,420959E+22
-1138	2,527455E+22	2,534931E+22	2,500596E+22	2,500599E+22	2,534973E+22	2,527534E+22	2,421022E+22	2,243999E+22	2,103156E+22	2,103173E+22	2,244047E+22	2,421071E+22
-1137	2,527519E+22	2,534894E+22	2,500512E+22	2,500517E+22	2,534897E+22	2,527486E+22	2,421010E+22	2,244005E+22	2,103164E+22	2,103169E+22	2,244009E+22	2,421002E+22
-1136	2,527455E+22	2,534850E+22	2,500501E+22	2,500532E+22	2,534918E+22	2,527503E+22	2,421028E+22	2,244028E+22	2,103185E+22	2,103179E+22	2,244023E+22	2,421050E+22
-1135	2,527566E+22	2,535005E+22	2,500617E+22	2,500597E+22	2,534955E+22	2,527518E+22	2,421031E+22	2,244036E+22	2,103214E+22	2,103229E+22	2,244070E+22	2,421059E+22
-1134	2,527522E+22	2,534935E+22	2,500539E+22	2,500505E+22	2,534877E+22	2,527487E+22	2,421045E+22	2,244066E+22	2,103237E+22	2,103219E+22	2,244014E+22	2,420973E+22
-1133	2,527439E+22	2,534915E+22	2,500626E+22	2,500641E+22	2,534979E+22	2,527523E+22	2,421041E+22	2,244071E+22	2,103262E+22	2,103254E+22	2,244061E+22	2,421056E+22
-1132	2,527560E+22	2,534994E+22	2,500631E+22	2,500633E+22	2,534977E+22	2,527520E+22	2,421027E+22	2,244052E+22	2,103261E+22	2,103283E+22	2,244093E+22	2,421036E+22
-1131	2,527471E+22	2,534874E+22	2,500504E+22	2,500524E+22	2,534922E+22	2,527519E+22	2,421059E+22	2,244084E+22	2,103267E+22	2,103251E+22	2,244048E+22	2,421006E+22
-1130	2,527470E+22	2,534933E+22	2,500622E+22	2,500628E+22	2,534986E+22	2,527557E+22	2,421080E+22	2,244091E+22	2,103262E+22	2,103255E+22	2,244084E+22	2,421093E+22
-1129	2,527567E+22	2,534957E+22	2,500578E+22	2,500564E+22	2,534908E+22	2,527489E+22	2,421038E+22	2,244071E+22	2,103252E+22	2,103244E+22	2,244039E+22	2,420994E+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	2,527459E+22	2,534880E+22	2,500526E+22	2,500540E+22	2,534907E+22	2,527487E+22	2,421030E+22	2,244061E+22	2,103238E+22	2,103225E+22	2,244033E+22	2,421010E+22
-1127	2,527512E+22	2,534987E+22	2,500636E+22	2,500618E+22	2,534965E+22	2,527513E+22	2,421016E+22	2,244026E+22	2,103215E+22	2,103236E+22	2,244081E+22	2,421067E+22
-1126	2,527513E+22	2,534914E+22	2,500537E+22	2,500514E+22	2,534888E+22	2,527489E+22	2,421020E+22	2,244016E+22	2,103179E+22	2,103176E+22	2,243999E+22	2,420978E+22
-1125	2,527430E+22	2,534850E+22	2,500542E+22	2,500584E+22	2,534956E+22	2,527520E+22	2,421025E+22	2,244013E+22	2,103164E+22	2,103155E+22	2,243998E+22	2,421034E+22
-1124	2,527566E+22	2,534983E+22	2,500577E+22	2,500576E+22	2,534952E+22	2,527516E+22	2,421011E+22	2,243990E+22	2,103148E+22	2,103162E+22	2,244018E+22	2,421020E+22
-1123	2,527491E+22	2,534893E+22	2,500481E+22	2,500455E+22	2,534862E+22	2,527490E+22	2,421032E+22	2,244023E+22	2,103162E+22	2,103131E+22	2,243951E+22	2,420945E+22
-1122	2,527427E+22	2,534891E+22	2,500583E+22	2,500583E+22	2,534937E+22	2,527515E+22	2,421038E+22	2,244033E+22	2,103181E+22	2,103167E+22	2,244004E+22	2,421031E+22
-1121	2,527533E+22	2,534937E+22	2,500571E+22	2,500572E+22	2,534917E+22	2,527473E+22	2,420988E+22	2,243998E+22	2,103178E+22	2,103192E+22	2,244016E+22	2,420981E+22
-1120	2,527435E+22	2,534835E+22	2,500469E+22	2,500504E+22	2,534907E+22	2,527492E+22	2,421007E+22	2,244009E+22	2,103179E+22	2,103186E+22	2,244022E+22	2,421004E+22
-1119	2,527479E+22	2,534932E+22	2,500582E+22	2,500583E+22	2,534961E+22	2,527531E+22	2,421032E+22	2,244023E+22	2,103196E+22	2,103218E+22	2,244081E+22	2,421098E+22
-1118	2,527557E+22	2,534939E+22	2,500541E+22	2,500508E+22	2,534878E+22	2,527490E+22	2,421036E+22	2,244045E+22	2,103212E+22	2,103204E+22	2,244018E+22	2,420995E+22
-1117	2,527455E+22	2,534873E+22	2,500549E+22	2,500572E+22	2,534927E+22	2,527500E+22	2,421044E+22	2,244078E+22	2,103255E+22	2,103233E+22	2,244028E+22	2,421022E+22
-1116	2,527558E+22	2,535027E+22	2,500656E+22	2,500636E+22	2,534966E+22	2,527506E+22	2,421024E+22	2,244062E+22	2,103273E+22	2,103293E+22	2,244103E+22	2,421052E+22
-1115	2,527504E+22	2,534938E+22	2,500575E+22	2,500550E+22	2,534905E+22	2,527491E+22	2,421042E+22	2,244094E+22	2,103302E+22	2,103287E+22	2,244057E+22	2,420978E+22
-1114	2,527415E+22	2,534882E+22	2,500616E+22	2,500653E+22	2,534997E+22	2,527550E+22	2,421076E+22	2,244117E+22	2,103320E+22	2,103316E+22	2,244108E+22	2,421075E+22
-1113	2,527558E+22	2,534978E+22	2,500632E+22	2,500648E+22	2,534983E+22	2,527524E+22	2,421046E+22	2,244090E+22	2,103308E+22	2,103325E+22	2,244120E+22	2,421049E+22
-1112	2,527483E+22	2,534888E+22	2,500519E+22	2,500532E+22	2,534920E+22	2,527518E+22	2,421072E+22	2,244118E+22	2,103310E+22	2,103293E+22	2,244078E+22	2,421019E+22
-1111	2,527480E+22	2,534949E+22	2,500630E+22	2,500618E+22	2,534956E+22	2,527530E+22	2,421078E+22	2,244125E+22	2,103325E+22	2,103318E+22	2,244119E+22	2,421097E+22
-1110	2,527572E+22	2,534985E+22	2,500615E+22	2,500579E+22	2,534897E+22	2,527473E+22	2,421034E+22	2,244091E+22	2,103299E+22	2,103297E+22	2,244074E+22	2,420995E+22
-1109	2,527435E+22	2,534865E+22	2,500548E+22	2,500585E+22	2,534940E+22	2,527494E+22	2,421026E+22	2,244075E+22	2,103278E+22	2,103272E+22	2,244062E+22	2,421018E+22
-1108	2,527517E+22	2,534990E+22	2,500638E+22	2,500630E+22	2,534978E+22	2,527522E+22	2,421014E+22	2,244025E+22	2,103231E+22	2,103266E+22	2,244112E+22	2,421090E+22
-1107	2,527530E+22	2,534929E+22	2,500550E+22	2,500523E+22	2,534887E+22	2,527488E+22	2,421028E+22	2,244042E+22	2,103215E+22	2,103200E+22	2,244007E+22	2,420977E+22
-1106	2,527432E+22	2,534851E+22	2,500541E+22	2,500580E+22	2,534948E+22	2,527526E+22	2,421057E+22	2,244065E+22	2,103221E+22	2,103197E+22	2,244009E+22	2,421019E+22
-1105	2,527553E+22	2,534990E+22	2,500610E+22	2,500607E+22	2,534947E+22	2,527496E+22	2,421009E+22	2,244023E+22	2,103203E+22	2,103210E+22	2,244032E+22	2,421001E+22
-1104	2,527468E+22	2,534892E+22	2,500510E+22	2,500498E+22	2,534881E+22	2,527484E+22	2,421027E+22	2,244043E+22	2,103207E+22	2,103191E+22	2,244000E+22	2,420957E+22
-1103	2,527411E+22	2,534871E+22	2,500573E+22	2,500588E+22	2,534942E+22	2,527515E+22	2,421040E+22	2,244055E+22	2,103234E+22	2,103236E+22	2,244065E+22	2,421063E+22
-1102	2,527541E+22	2,534943E+22	2,500576E+22	2,500568E+22	2,534915E+22	2,527491E+22	2,421013E+22	2,244026E+22	2,103218E+22	2,103237E+22	2,244057E+22	2,421007E+22
-1101	2,527443E+22	2,534835E+22	2,500479E+22	2,500524E+22	2,534919E+22	2,527503E+22	2,421033E+22	2,244053E+22	2,103233E+22	2,103228E+22	2,244036E+22	2,421010E+22
-1100	2,527511E+22	2,534972E+22	2,500602E+22	2,500584E+22	2,534946E+22	2,527517E+22	2,421033E+22	2,244053E+22	2,103249E+22	2,103266E+22	2,244102E+22	2,421098E+22
-1099	2,527568E+22	2,534981E+22	2,500598E+22	2,500543E+22	2,534871E+22	2,527464E+22	2,421030E+22	2,244087E+22	2,103288E+22	2,103268E+22	2,244041E+22	2,420979E+22
-1098	2,527432E+22	2,534870E+22	2,500577E+22	2,500611E+22	2,534945E+22	2,527499E+22	2,421055E+22	2,244124E+22	2,103332E+22	2,103311E+22	2,244075E+22	2,421019E+22
-1097	2,527525E+22	2,535004E+22	2,500678E+22	2,500685E+22	2,534998E+22	2,527512E+22	2,421023E+22	2,244083E+22	2,103325E+22	2,103353E+22	2,244147E+22	2,421066E+22
-1096	2,527493E+22	2,534923E+22	2,500581E+22	2,500578E+22	2,534935E+22	2,527516E+22	2,421064E+22	2,244118E+22	2,103333E+22	2,103334E+22	2,244108E+22	2,421012E+22
-1095	2,527429E+22	2,534874E+22	2,500591E+22	2,500629E+22	2,534979E+22	2,527550E+22	2,421100E+22	2,244161E+22	2,103375E+22	2,103367E+22	2,244145E+22	2,421096E+22
-1094	2,527578E+22	2,535010E+22	2,500647E+22	2,500631E+22	2,534957E+22	2,527520E+22	2,421067E+22	2,244133E+22	2,103363E+22	2,103369E+22	2,244139E+22	2,421047E+22
-1093	2,527479E+22	2,534905E+22	2,500557E+22	2,500564E+22	2,534921E+22	2,527502E+22	2,421072E+22	2,244154E+22	2,103373E+22	2,103348E+22	2,244093E+22	2,421007E+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												
-1092	2,527481E+22	2,534969E+22	2,500654E+22	2,500641E+22	2,534956E+22	2,527504E+22	2,421050E+22	2,244127E+22	2,103364E+22	2,103373E+22	2,244159E+22	2,421107E+22
-1091	2,527567E+22	2,534996E+22	2,500646E+22	2,500618E+22	2,534919E+22	2,527467E+22	2,421021E+22	2,244101E+22	2,103337E+22	2,103338E+22	2,244106E+22	2,421008E+22
-1090	2,527427E+22	2,534848E+22	2,500543E+22	2,500599E+22	2,534958E+22	2,527515E+22	2,421053E+22	2,244105E+22	2,103310E+22	2,103303E+22	2,244086E+22	2,421028E+22
-1089	2,527511E+22	2,534980E+22	2,500643E+22	2,500649E+22	2,534987E+22	2,527528E+22	2,421032E+22	2,244055E+22	2,103261E+22	2,103284E+22	2,244114E+22	2,421086E+22
-1088	2,527533E+22	2,534944E+22	2,500570E+22	2,500541E+22	2,534895E+22	2,527497E+22	2,421049E+22	2,244075E+22	2,103252E+22	2,103235E+22	2,244026E+22	2,420973E+22
-1087	2,527424E+22	2,534855E+22	2,500541E+22	2,500570E+22	2,534922E+22	2,527507E+22	2,421066E+22	2,244110E+22	2,103291E+22	2,103265E+22	2,244047E+22	2,421017E+22
-1086	2,527535E+22	2,534994E+22	2,500627E+22	2,500617E+22	2,534945E+22	2,527491E+22	2,421012E+22	2,244052E+22	2,103262E+22	2,103275E+22	2,244078E+22	2,421010E+22
-1085	2,527445E+22	2,534872E+22	2,500517E+22	2,500530E+22	2,534906E+22	2,527489E+22	2,421027E+22	2,244065E+22	2,103260E+22	2,103251E+22	2,244041E+22	2,420980E+22
-1084	2,527429E+22	2,534880E+22	2,500566E+22	2,500582E+22	2,534933E+22	2,527505E+22	2,421035E+22	2,244066E+22	2,103266E+22	2,103280E+22	2,244107E+22	2,421098E+22
-1083	2,527573E+22	2,534977E+22	2,500601E+22	2,500578E+22	2,534902E+22	2,527469E+22	2,421015E+22	2,244063E+22	2,103268E+22	2,103272E+22	2,244073E+22	2,421014E+22
-1082	2,527455E+22	2,534859E+22	2,500504E+22	2,500539E+22	2,534914E+22	2,527498E+22	2,421053E+22	2,244104E+22	2,103298E+22	2,103277E+22	2,244052E+22	2,420997E+22
-1081	2,527496E+22	2,534990E+22	2,500660E+22	2,500641E+22	2,534957E+22	2,527501E+22	2,421029E+22	2,244084E+22	2,103308E+22	2,103320E+22	2,244121E+22	2,421081E+22
-1080	2,527544E+22	2,534987E+22	2,500642E+22	2,500609E+22	2,534917E+22	2,527478E+22	2,421035E+22	2,244108E+22	2,103335E+22	2,103334E+22	2,244092E+22	2,420984E+22
-1079	2,527407E+22	2,534850E+22	2,500569E+22	2,500625E+22	2,534966E+22	2,527521E+22	2,421078E+22	2,244163E+22	2,103396E+22	2,103385E+22	2,244134E+22	2,421044E+22
-1078	2,527518E+22	2,534997E+22	2,500675E+22	2,500686E+22	2,535011E+22	2,527542E+22	2,421061E+22	2,244129E+22	2,103380E+22	2,103404E+22	2,244186E+22	2,421089E+22
-1077	2,527495E+22	2,534914E+22	2,500577E+22	2,500588E+22	2,534945E+22	2,527528E+22	2,421096E+22	2,244176E+22	2,103403E+22	2,103386E+22	2,244127E+22	2,421024E+22
-1076	2,527458E+22	2,534906E+22	2,500598E+22	2,500613E+22	2,534948E+22	2,527523E+22	2,421099E+22	2,244195E+22	2,103435E+22	2,103426E+22	2,244179E+22	2,421109E+22
-1075	2,527591E+22	2,535047E+22	2,500692E+22	2,500651E+22	2,534931E+22	2,527473E+22	2,421049E+22	2,244166E+22	2,103427E+22	2,103427E+22	2,244169E+22	2,421046E+22
-1074	2,527462E+22	2,534903E+22	2,500578E+22	2,500596E+22	2,534933E+22	2,527490E+22	2,421063E+22	2,244174E+22	2,103423E+22	2,103407E+22	2,244136E+22	2,421017E+22
-1073	2,527461E+22	2,534959E+22	2,500680E+22	2,500684E+22	2,534982E+22	2,527502E+22	2,421033E+22	2,244120E+22	2,103380E+22	2,103401E+22	2,244185E+22	2,421123E+22
-1072	2,527569E+22	2,534994E+22	2,500655E+22	2,500644E+22	2,534949E+22	2,527490E+22	2,421034E+22	2,244104E+22	2,103340E+22	2,103355E+22	2,244128E+22	2,421023E+22
-1071	2,527438E+22	2,534852E+22	2,500526E+22	2,500581E+22	2,534948E+22	2,527521E+22	2,421081E+22	2,244148E+22	2,103354E+22	2,103333E+22	2,244097E+22	2,421027E+22
-1070	2,527511E+22	2,535002E+22	2,500659E+22	2,500642E+22	2,534975E+22	2,527530E+22	2,421055E+22	2,244102E+22	2,103315E+22	2,103318E+22	2,244115E+22	2,421063E+22
-1069	2,527507E+22	2,534944E+22	2,500598E+22	2,500574E+22	2,534906E+22	2,527490E+22	2,421059E+22	2,244122E+22	2,103322E+22	2,103293E+22	2,244041E+22	2,420958E+22
-1068	2,527414E+22	2,534858E+22	2,500547E+22	2,500579E+22	2,534920E+22	2,527487E+22	2,421049E+22	2,244123E+22	2,103342E+22	2,103332E+22	2,244100E+22	2,421037E+22
-1067	2,527526E+22	2,534995E+22	2,500644E+22	2,500636E+22	2,534949E+22	2,527477E+22	2,421007E+22	2,244077E+22	2,103311E+22	2,103329E+22	2,244123E+22	2,421038E+22
-1066	2,527446E+22	2,534861E+22	2,500513E+22	2,500538E+22	2,534916E+22	2,527499E+22	2,421047E+22	2,244101E+22	2,103308E+22	2,103300E+22	2,244079E+22	2,421004E+22
-1065	2,527438E+22	2,534892E+22	2,500590E+22	2,500603E+22	2,534935E+22	2,527494E+22	2,421035E+22	2,244091E+22	2,103307E+22	2,103313E+22	2,244121E+22	2,421105E+22
-1064	2,527588E+22	2,535011E+22	2,500642E+22	2,500612E+22	2,534916E+22	2,527471E+22	2,421025E+22	2,244090E+22	2,103312E+22	2,103321E+22	2,244101E+22	2,421012E+22
-1063	2,527449E+22	2,534875E+22	2,500530E+22	2,500559E+22	2,534910E+22	2,527485E+22	2,421063E+22	2,244152E+22	2,103374E+22	2,103352E+22	2,244095E+22	2,420995E+22
-1062	2,527469E+22	2,534988E+22	2,500684E+22	2,500674E+22	2,534987E+22	2,527517E+22	2,421041E+22	2,244121E+22	2,103372E+22	2,103387E+22	2,244165E+22	2,421087E+22
-1061	2,527518E+22	2,534964E+22	2,500649E+22	2,500647E+22	2,534961E+22	2,527508E+22	2,421059E+22	2,244146E+22	2,103397E+22	2,103397E+22	2,244131E+22	2,421008E+22
-1060	2,527425E+22	2,534851E+22	2,500549E+22	2,500603E+22	2,534955E+22	2,527521E+22	2,421091E+22	2,244193E+22	2,103444E+22	2,103439E+22	2,244179E+22	2,421077E+22
-1059	2,527542E+22	2,535020E+22	2,500690E+22	2,500681E+22	2,534986E+22	2,527517E+22	2,421072E+22	2,244182E+22	2,103444E+22	2,103449E+22	2,244206E+22	2,421099E+22
-1058	2,527506E+22	2,534936E+22	2,500598E+22	2,500593E+22	2,534926E+22	2,527505E+22	2,421101E+22	2,244222E+22	2,103473E+22	2,103445E+22	2,244151E+22	2,421018E+22
-1057	2,527444E+22	2,534922E+22	2,500649E+22	2,500654E+22	2,534944E+22	2,527485E+22	2,421071E+22	2,244207E+22	2,103481E+22	2,103475E+22	2,244203E+22	2,421106E+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	2,527579E+22	2,535057E+22	2,500733E+22	2,500705E+22	2,534969E+22	2,527478E+22	2,421036E+22	2,244161E+22	2,103449E+22	2,103474E+22	2,244213E+22	2,421058E+22
-1055	2,527450E+22	2,534894E+22	2,500578E+22	2,500605E+22	2,534947E+22	2,527505E+22	2,421077E+22	2,244195E+22	2,103458E+22	2,103450E+22	2,244171E+22	2,421035E+22
-1054	2,527459E+22	2,534957E+22	2,500681E+22	2,500689E+22	2,535003E+22	2,527535E+22	2,421064E+22	2,244152E+22	2,103411E+22	2,103422E+22	2,244190E+22	2,421124E+22
-1053	2,527567E+22	2,534993E+22	2,500660E+22	2,500659E+22	2,534970E+22	2,527511E+22	2,421066E+22	2,244155E+22	2,103396E+22	2,103386E+22	2,244120E+22	2,421011E+22
-1052	2,527450E+22	2,534874E+22	2,500531E+22	2,500563E+22	2,534922E+22	2,527501E+22	2,421085E+22	2,244185E+22	2,103416E+22	2,103389E+22	2,244121E+22	2,421022E+22
-1051	2,527497E+22	2,535012E+22	2,500693E+22	2,500662E+22	2,534958E+22	2,527490E+22	2,421047E+22	2,244146E+22	2,103387E+22	2,103382E+22	2,244148E+22	2,421061E+22
-1050	2,527478E+22	2,534921E+22	2,500602E+22	2,500595E+22	2,534919E+22	2,527481E+22	2,421053E+22	2,244148E+22	2,103384E+22	2,103367E+22	2,244098E+22	2,420980E+22
-1049	2,527395E+22	2,534841E+22	2,500561E+22	2,500601E+22	2,534930E+22	2,527478E+22	2,421032E+22	2,244121E+22	2,103367E+22	2,103375E+22	2,244143E+22	2,421073E+22
-1048	2,527547E+22	2,535004E+22	2,500655E+22	2,500649E+22	2,534963E+22	2,527487E+22	2,421014E+22	2,244080E+22	2,103326E+22	2,103361E+22	2,244158E+22	2,421065E+22
-1047	2,527471E+22	2,534884E+22	2,500519E+22	2,500526E+22	2,534901E+22	2,527494E+22	2,421064E+22	2,244141E+22	2,103359E+22	2,103341E+22	2,244097E+22	2,421010E+22
-1046	2,527450E+22	2,534929E+22	2,500629E+22	2,500622E+22	2,534943E+22	2,527498E+22	2,421047E+22	2,244130E+22	2,103364E+22	2,103355E+22	2,244125E+22	2,421085E+22
-1045	2,527570E+22	2,535018E+22	2,500684E+22	2,500668E+22	2,534955E+22	2,527480E+22	2,421037E+22	2,244135E+22	2,103384E+22	2,103381E+22	2,244116E+22	2,421001E+22
-1044	2,527439E+22	2,534878E+22	2,500545E+22	2,500580E+22	2,534928E+22	2,527488E+22	2,421066E+22	2,244181E+22	2,103436E+22	2,103426E+22	2,244149E+22	2,421015E+22
-1043	2,527455E+22	2,534978E+22	2,500699E+22	2,500694E+22	2,534995E+22	2,527516E+22	2,421061E+22	2,244171E+22	2,103436E+22	2,103446E+22	2,244205E+22	2,421105E+22
-1042	2,527510E+22	2,534944E+22	2,500638E+22	2,500647E+22	2,534967E+22	2,527522E+22	2,421092E+22	2,244204E+22	2,103467E+22	2,103460E+22	2,244172E+22	2,421028E+22
-1041	2,527429E+22	2,534863E+22	2,500570E+22	2,500607E+22	2,534941E+22	2,527502E+22	2,421092E+22	2,244226E+22	2,103499E+22	2,103488E+22	2,244203E+22	2,421089E+22
-1040	2,527558E+22	2,535051E+22	2,500725E+22	2,500696E+22	2,534978E+22	2,527501E+22	2,421068E+22	2,244202E+22	2,103493E+22	2,103511E+22	2,244242E+22	2,421101E+22
-1039	2,527504E+22	2,534950E+22	2,500626E+22	2,500609E+22	2,534916E+22	2,527478E+22	2,421091E+22	2,244252E+22	2,103537E+22	2,103516E+22	2,244197E+22	2,421028E+22
-1038	2,527434E+22	2,534925E+22	2,500674E+22	2,500690E+22	2,534977E+22	2,527491E+22	2,421058E+22	2,244214E+22	2,103519E+22	2,103521E+22	2,244234E+22	2,421115E+22
-1037	2,527567E+22	2,535042E+22	2,500743E+22	2,500741E+22	2,535015E+22	2,527508E+22	2,421053E+22	2,244181E+22	2,103482E+22	2,103505E+22	2,244227E+22	2,421073E+22
-1036	2,527471E+22	2,534901E+22	2,500573E+22	2,500593E+22	2,534942E+22	2,527510E+22	2,421093E+22	2,244219E+22	2,103488E+22	2,103479E+22	2,244191E+22	2,421047E+22
-1035	2,527468E+22	2,534972E+22	2,500700E+22	2,500690E+22	2,534984E+22	2,527519E+22	2,421086E+22	2,244208E+22	2,103466E+22	2,103451E+22	2,244188E+22	2,421106E+22
-1034	2,527553E+22	2,534995E+22	2,500677E+22	2,500668E+22	2,534965E+22	2,527505E+22	2,421081E+22	2,244204E+22	2,103466E+22	2,103446E+22	2,244141E+22	2,420994E+22
-1033	2,527419E+22	2,534872E+22	2,500568E+22	2,500591E+22	2,534921E+22	2,527475E+22	2,421064E+22	2,244198E+22	2,103464E+22	2,103446E+22	2,244156E+22	2,421026E+22
-1032	2,527484E+22	2,535002E+22	2,500708E+22	2,500692E+22	2,534986E+22	2,527498E+22	2,421037E+22	2,244142E+22	2,103417E+22	2,103442E+22	2,244204E+22	2,421088E+22
-1031	2,527478E+22	2,534907E+22	2,500593E+22	2,500590E+22	2,534919E+22	2,527486E+22	2,421064E+22	2,244172E+22	2,103425E+22	2,103419E+22	2,244147E+22	2,421018E+22
-1030	2,527413E+22	2,534844E+22	2,500562E+22	2,500605E+22	2,534945E+22	2,527493E+22	2,421047E+22	2,244148E+22	2,103402E+22	2,103402E+22	2,244158E+22	2,421088E+22
-1029	2,527567E+22	2,535024E+22	2,500678E+22	2,500668E+22	2,534979E+22	2,527501E+22	2,421038E+22	2,244125E+22	2,103380E+22	2,103395E+22	2,244157E+22	2,421062E+22
-1028	2,527495E+22	2,534922E+22	2,500550E+22	2,500525E+22	2,534879E+22	2,527473E+22	2,421065E+22	2,244175E+22	2,103419E+22	2,103400E+22	2,244123E+22	2,421003E+22
-1027	2,527436E+22	2,534942E+22	2,500676E+22	2,500661E+22	2,534944E+22	2,527474E+22	2,421050E+22	2,244180E+22	2,103437E+22	2,103420E+22	2,244153E+22	2,421073E+22
-1026	2,527538E+22	2,534997E+22	2,500697E+22	2,500701E+22	2,534987E+22	2,527494E+22	2,421045E+22	2,244170E+22	2,103454E+22	2,103458E+22	2,244168E+22	2,421012E+22
-1025	2,527415E+22	2,534858E+22	2,500557E+22	2,500594E+22	2,534937E+22	2,527490E+22	2,421067E+22	2,244199E+22	2,103480E+22	2,103479E+22	2,244193E+22	2,421045E+22
-1024	2,527471E+22	2,534976E+22	2,500702E+22	2,500700E+22	2,535002E+22	2,527527E+22	2,421078E+22	2,244195E+22	2,103478E+22	2,103499E+22	2,244244E+22	2,421126E+22
-1023	2,527529E+22	2,534961E+22	2,500644E+22	2,500630E+22	2,534937E+22	2,527503E+22	2,421106E+22	2,244255E+22	2,103539E+22	2,103523E+22	2,244205E+22	2,421038E+22
-1022	2,527438E+22	2,534891E+22	2,500607E+22	2,500628E+22	2,534941E+22	2,527487E+22	2,421085E+22	2,244257E+22	2,103560E+22	2,103543E+22	2,244223E+22	2,421080E+22
-1021	2,527548E+22	2,535062E+22	2,500770E+22	2,500749E+22	2,535010E+22	2,527501E+22	2,421064E+22	2,244228E+22	2,103551E+22	2,103567E+22	2,244266E+22	2,421102E+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	2,527506E+22	2,534958E+22	2,500647E+22	2,500630E+22	2,534931E+22	2,527480E+22	2,421083E+22	2,244259E+22	2,103576E+22	2,103572E+22	2,244243E+22	2,421048E+22
-1019	2,527431E+22	2,534922E+22	2,500695E+22	2,500717E+22	2,534991E+22	2,527500E+22	2,421081E+22	2,244252E+22	2,103558E+22	2,103554E+22	2,244253E+22	2,421121E+22
-1018	2,527563E+22	2,535028E+22	2,500737E+22	2,500750E+22	2,535034E+22	2,527534E+22	2,421088E+22	2,244230E+22	2,103536E+22	2,103547E+22	2,244244E+22	2,421071E+22
-1017	2,527464E+22	2,534910E+22	2,500595E+22	2,500595E+22	2,534932E+22	2,527505E+22	2,421104E+22	2,244253E+22	2,103536E+22	2,103518E+22	2,244204E+22	2,421043E+22
-1016	2,527468E+22	2,534980E+22	2,500725E+22	2,500703E+22	2,534979E+22	2,527511E+22	2,421090E+22	2,244230E+22	2,103517E+22	2,103514E+22	2,244222E+22	2,421096E+22
-1015	2,527532E+22	2,534984E+22	2,500686E+22	2,500674E+22	2,534952E+22	2,527484E+22	2,421078E+22	2,244236E+22	2,103532E+22	2,103522E+22	2,244197E+22	2,421012E+22
-1014	2,527410E+22	2,534860E+22	2,500570E+22	2,500609E+22	2,534944E+22	2,527480E+22	2,421050E+22	2,244202E+22	2,103499E+22	2,103495E+22	2,244198E+22	2,421052E+22
-1013	2,527492E+22	2,534992E+22	2,500706E+22	2,500703E+22	2,535006E+22	2,527516E+22	2,421048E+22	2,244158E+22	2,103445E+22	2,103471E+22	2,244224E+22	2,421117E+22
-1012	2,527520E+22	2,534931E+22	2,500595E+22	2,500573E+22	2,534898E+22	2,527475E+22	2,421068E+22	2,244191E+22	2,103455E+22	2,103449E+22	2,244168E+22	2,421035E+22
-1011	2,527440E+22	2,534882E+22	2,500603E+22	2,500618E+22	2,534921E+22	2,527466E+22	2,421057E+22	2,244194E+22	2,103450E+22	2,103429E+22	2,244151E+22	2,421063E+22
-1010	2,527554E+22	2,535035E+22	2,500714E+22	2,500700E+22	2,534988E+22	2,527498E+22	2,421048E+22	2,244169E+22	2,103449E+22	2,103454E+22	2,244174E+22	2,421034E+22
-1009	2,527458E+22	2,534924E+22	2,500602E+22	2,500574E+22	2,534898E+22	2,527465E+22	2,421054E+22	2,244193E+22	2,103471E+22	2,103461E+22	2,244159E+22	2,421001E+22
-1008	2,527414E+22	2,534924E+22	2,500692E+22	2,500697E+22	2,534980E+22	2,527498E+22	2,421059E+22	2,244193E+22	2,103484E+22	2,103492E+22	2,244207E+22	2,421083E+22
-1007	2,527521E+22	2,534973E+22	2,500686E+22	2,500700E+22	2,534991E+22	2,527510E+22	2,421077E+22	2,244219E+22	2,103520E+22	2,103529E+22	2,244224E+22	2,421045E+22
-1006	2,527428E+22	2,534856E+22	2,500552E+22	2,500596E+22	2,534948E+22	2,527500E+22	2,421085E+22	2,244242E+22	2,103539E+22	2,103530E+22	2,244220E+22	2,421061E+22
-1005	2,527490E+22	2,534994E+22	2,500717E+22	2,500707E+22	2,535002E+22	2,527529E+22	2,421098E+22	2,244246E+22	2,103549E+22	2,103553E+22	2,244263E+22	2,421133E+22
-1004	2,527554E+22	2,534995E+22	2,500677E+22	2,500635E+22	2,534909E+22	2,527467E+22	2,421095E+22	2,244285E+22	2,103604E+22	2,103596E+22	2,244253E+22	2,421048E+22
-1003	2,527436E+22	2,534907E+22	2,500656E+22	2,500672E+22	2,534940E+22	2,527458E+22	2,421077E+22	2,244289E+22	2,103617E+22	2,103603E+22	2,244260E+22	2,421082E+22
-1002	2,527528E+22	2,535048E+22	2,500785E+22	2,500786E+22	2,535047E+22	2,527521E+22	2,421071E+22	2,244248E+22	2,103600E+22	2,103627E+22	2,244311E+22	2,421115E+22
-1001	2,527493E+22	2,534956E+22	2,500668E+22	2,500649E+22	2,534945E+22	2,527492E+22	2,421090E+22	2,244269E+22	2,103597E+22	2,103601E+22	2,244268E+22	2,421067E+22
-1000	2,527447E+22	2,534929E+22	2,500702E+22	2,500726E+22	2,535002E+22	2,527519E+22	2,421104E+22	2,244276E+22	2,103592E+22	2,103590E+22	2,244267E+22	2,421114E+22
-999	2,527565E+22	2,535040E+22	2,500744E+22	2,500740E+22	2,535013E+22	2,527526E+22	2,421112E+22	2,244284E+22	2,103603E+22	2,103598E+22	2,244264E+22	2,421065E+22
-998	2,527456E+22	2,534915E+22	2,500614E+22	2,500616E+22	2,534936E+22	2,527493E+22	2,421102E+22	2,244285E+22	2,103594E+22	2,103569E+22	2,244223E+22	2,421032E+22
-997	2,527451E+22	2,534973E+22	2,500742E+22	2,500737E+22	2,535001E+22	2,527515E+22	2,421093E+22	2,244257E+22	2,103570E+22	2,103567E+22	2,244255E+22	2,421109E+22
-996	2,527536E+22	2,534981E+22	2,500686E+22	2,500671E+22	2,534942E+22	2,527472E+22	2,421069E+22	2,244243E+22	2,103566E+22	2,103575E+22	2,244251E+22	2,421044E+22
-995	2,527419E+22	2,534861E+22	2,500583E+22	2,500620E+22	2,534934E+22	2,527471E+22	2,421064E+22	2,244230E+22	2,103528E+22	2,103523E+22	2,244217E+22	2,421064E+22
-994	2,527503E+22	2,534999E+22	2,500711E+22	2,500712E+22	2,535013E+22	2,527524E+22	2,421065E+22	2,244193E+22	2,103491E+22	2,103508E+22	2,244239E+22	2,421111E+22
-993	2,527521E+22	2,534961E+22	2,500636E+22	2,500586E+22	2,534885E+22	2,527459E+22	2,421063E+22	2,244211E+22	2,103494E+22	2,103483E+22	2,244177E+22	2,421025E+22
-992	2,527438E+22	2,534901E+22	2,500646E+22	2,500657E+22	2,534932E+22	2,527462E+22	2,421057E+22	2,244214E+22	2,103504E+22	2,103493E+22	2,244179E+22	2,421041E+22
-991	2,527521E+22	2,535023E+22	2,500732E+22	2,500729E+22	2,535000E+22	2,527494E+22	2,421055E+22	2,244208E+22	2,103520E+22	2,103532E+22	2,244228E+22	2,421046E+22
-990	2,527436E+22	2,534898E+22	2,500600E+22	2,500605E+22	2,534937E+22	2,527486E+22	2,421061E+22	2,244215E+22	2,103520E+22	2,103520E+22	2,244206E+22	2,421024E+22
-989	2,527415E+22	2,534907E+22	2,500681E+22	2,500706E+22	2,535000E+22	2,527527E+22	2,421093E+22	2,244233E+22	2,103534E+22	2,103537E+22	2,244241E+22	2,421114E+22
-988	2,527552E+22	2,534987E+22	2,500681E+22	2,500675E+22	2,534960E+22	2,527495E+22	2,421090E+22	2,244259E+22	2,103577E+22	2,103585E+22	2,244264E+22	2,421069E+22
-987	2,527453E+22	2,534892E+22	2,500591E+22	2,500606E+22	2,534916E+22	2,527469E+22	2,421095E+22	2,244293E+22	2,103605E+22	2,103581E+22	2,244237E+22	2,421052E+22
-986	2,527489E+22	2,535013E+22	2,500755E+22	2,500742E+22	2,535007E+22	2,527514E+22	2,421096E+22	2,244284E+22	2,103623E+22	2,103626E+22	2,244299E+22	2,421122E+22
-985	2,527532E+22	2,535012E+22	2,500730E+22	2,500683E+22	2,534928E+22	2,527456E+22	2,421075E+22	2,244291E+22	2,103645E+22	2,103652E+22	2,244295E+22	2,421063E+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	2,527433E+22	2,534908E+22	2,500682E+22	2,500716E+22	2,534979E+22	2,527483E+22	2,421084E+22	2,244295E+22	2,103650E+22	2,103658E+22	2,244301E+22	2,421090E+22
-983	2,527517E+22	2,535034E+22	2,500783E+22	2,500795E+22	2,535058E+22	2,527544E+22	2,421109E+22	2,244297E+22	2,103652E+22	2,103675E+22	2,244346E+22	2,421135E+22
-982	2,527503E+22	2,534956E+22	2,500666E+22	2,500664E+22	2,534966E+22	2,527511E+22	2,421117E+22	2,244313E+22	2,103648E+22	2,103637E+22	2,244278E+22	2,421064E+22
-981	2,527453E+22	2,534940E+22	2,500709E+22	2,500728E+22	2,535000E+22	2,527527E+22	2,421134E+22	2,244330E+22	2,103657E+22	2,103633E+22	2,244277E+22	2,421105E+22
-980	2,527561E+22	2,535051E+22	2,500760E+22	2,500738E+22	2,534982E+22	2,527492E+22	2,421103E+22	2,244317E+22	2,103667E+22	2,103669E+22	2,244312E+22	2,421074E+22
-979	2,527444E+22	2,534917E+22	2,500640E+22	2,500642E+22	2,534924E+22	2,527459E+22	2,421089E+22	2,244309E+22	2,103643E+22	2,103624E+22	2,244262E+22	2,421041E+22
-978	2,527435E+22	2,534953E+22	2,500733E+22	2,500749E+22	2,535014E+22	2,527518E+22	2,421090E+22	2,244268E+22	2,103607E+22	2,103619E+22	2,244300E+22	2,421129E+22
-977	2,527536E+22	2,534990E+22	2,500700E+22	2,500677E+22	2,534937E+22	2,527464E+22	2,421061E+22	2,244241E+22	2,103575E+22	2,103594E+22	2,244275E+22	2,421070E+22
-976	2,527447E+22	2,534887E+22	2,500601E+22	2,500631E+22	2,534935E+22	2,527471E+22	2,421067E+22	2,244240E+22	2,103553E+22	2,103549E+22	2,244223E+22	2,421053E+22
-975	2,527502E+22	2,535020E+22	2,500735E+22	2,500720E+22	2,535000E+22	2,527514E+22	2,421080E+22	2,244236E+22	2,103548E+22	2,103553E+22	2,244253E+22	2,421099E+22
-974	2,527507E+22	2,534968E+22	2,500667E+22	2,500637E+22	2,534916E+22	2,527459E+22	2,421062E+22	2,244236E+22	2,103546E+22	2,103531E+22	2,244194E+22	2,421007E+22
-973	2,527413E+22	2,534890E+22	2,500659E+22	2,500698E+22	2,534974E+22	2,527488E+22	2,421076E+22	2,244250E+22	2,103561E+22	2,103546E+22	2,244214E+22	2,421049E+22
-972	2,527505E+22	2,535007E+22	2,500726E+22	2,500732E+22	2,535003E+22	2,527502E+22	2,421071E+22	2,244240E+22	2,103573E+22	2,103597E+22	2,244287E+22	2,421080E+22
-971	2,527443E+22	2,534893E+22	2,500602E+22	2,500611E+22	2,534926E+22	2,527484E+22	2,421095E+22	2,244270E+22	2,103578E+22	2,103569E+22	2,244238E+22	2,421042E+22
-970	2,527428E+22	2,534912E+22	2,500675E+22	2,500702E+22	2,534994E+22	2,527530E+22	2,421119E+22	2,244290E+22	2,103608E+22	2,103602E+22	2,244277E+22	2,421119E+22
-969	2,527558E+22	2,535028E+22	2,500722E+22	2,500681E+22	2,534932E+22	2,527465E+22	2,421082E+22	2,244288E+22	2,103635E+22	2,103644E+22	2,244299E+22	2,421078E+22
-968	2,527461E+22	2,534924E+22	2,500641E+22	2,500648E+22	2,534921E+22	2,527449E+22	2,421078E+22	2,244309E+22	2,103665E+22	2,103657E+22	2,244278E+22	2,421049E+22
-967	2,527471E+22	2,535015E+22	2,500783E+22	2,500780E+22	2,535024E+22	2,527508E+22	2,421092E+22	2,244311E+22	2,103685E+22	2,103699E+22	2,244355E+22	2,421145E+22
-966	2,527526E+22	2,534998E+22	2,500736E+22	2,500727E+22	2,534976E+22	2,527478E+22	2,421081E+22	2,244304E+22	2,103680E+22	2,103693E+22	2,244326E+22	2,421081E+22
-965	2,527441E+22	2,534909E+22	2,500684E+22	2,500734E+22	2,535007E+22	2,527518E+22	2,421125E+22	2,244339E+22	2,103692E+22	2,103683E+22	2,244316E+22	2,421104E+22
-964	2,527531E+22	2,535050E+22	2,500787E+22	2,500780E+22	2,535031E+22	2,527531E+22	2,421129E+22	2,244344E+22	2,103709E+22	2,103718E+22	2,244366E+22	2,421137E+22
-963	2,527504E+22	2,534976E+22	2,500697E+22	2,500675E+22	2,534938E+22	2,527486E+22	2,421136E+22	2,244368E+22	2,103714E+22	2,103685E+22	2,244288E+22	2,421043E+22
-962	2,527430E+22	2,534938E+22	2,500725E+22	2,500753E+22	2,535006E+22	2,527515E+22	2,421133E+22	2,244365E+22	2,103726E+22	2,103707E+22	2,244317E+22	2,421093E+22
-961	2,527528E+22	2,535051E+22	2,500782E+22	2,500759E+22	2,534987E+22	2,527474E+22	2,421079E+22	2,244313E+22	2,103698E+22	2,103720E+22	2,244360E+22	2,421101E+22
-960	2,527444E+22	2,534914E+22	2,500650E+22	2,500665E+22	2,534944E+22	2,527467E+22	2,421081E+22	2,244304E+22	2,103667E+22	2,103669E+22	2,244300E+22	2,421062E+22
-959	2,527439E+22	2,534950E+22	2,500729E+22	2,500749E+22	2,535013E+22	2,527519E+22	2,421106E+22	2,244299E+22	2,103644E+22	2,103653E+22	2,244329E+22	2,421155E+22
-958	2,527555E+22	2,535001E+22	2,500705E+22	2,500696E+22	2,534955E+22	2,527469E+22	2,421071E+22	2,244267E+22	2,103608E+22	2,103614E+22	2,244273E+22	2,421065E+22
-957	2,527457E+22	2,534914E+22	2,500628E+22	2,500652E+22	2,534944E+22	2,527481E+22	2,421093E+22	2,244284E+22	2,103603E+22	2,103580E+22	2,244229E+22	2,421040E+22
-956	2,527485E+22	2,535027E+22	2,500761E+22	2,500738E+22	2,534989E+22	2,527492E+22	2,421081E+22	2,244271E+22	2,103610E+22	2,103617E+22	2,244292E+22	2,421100E+22
-955	2,527485E+22	2,534961E+22	2,500688E+22	2,500669E+22	2,534927E+22	2,527456E+22	2,421074E+22	2,244272E+22	2,103602E+22	2,103590E+22	2,244233E+22	2,421015E+22
-954	2,527395E+22	2,534867E+22	2,500641E+22	2,500705E+22	2,534994E+22	2,527510E+22	2,421098E+22	2,244285E+22	2,103619E+22	2,103613E+22	2,244264E+22	2,421067E+22
-953	2,527502E+22	2,535013E+22	2,500728E+22	2,500725E+22	2,534990E+22	2,527494E+22	2,421078E+22	2,244266E+22	2,103613E+22	2,103639E+22	2,244324E+22	2,421113E+22
-952	2,527473E+22	2,534924E+22	2,500623E+22	2,500618E+22	2,534914E+22	2,527467E+22	2,421093E+22	2,244300E+22	2,103637E+22	2,103625E+22	2,244262E+22	2,421042E+22
-951	2,527431E+22	2,534939E+22	2,500708E+22	2,500714E+22	2,534973E+22	2,527501E+22	2,421121E+22	2,244337E+22	2,103684E+22	2,103672E+22	2,244315E+22	2,421126E+22
-950	2,527553E+22	2,535041E+22	2,500763E+22	2,500742E+22	2,534965E+22	2,527454E+22	2,421068E+22	2,244307E+22	2,103689E+22	2,103703E+22	2,244331E+22	2,421079E+22
-949	2,527452E+22	2,534933E+22	2,500672E+22	2,500696E+22	2,534964E+22	2,527474E+22	2,421093E+22	2,244335E+22	2,103710E+22	2,103703E+22	2,244315E+22	2,421064E+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	2,527460E+22	2,535008E+22	2,500791E+22	2,500796E+22	2,535037E+22	2,527519E+22	2,421111E+22	2,244343E+22	2,103732E+22	2,103752E+22	2,244399E+22	2,421171E+22
-947	2,527534E+22	2,535001E+22	2,500749E+22	2,500745E+22	2,534981E+22	2,527489E+22	2,421119E+22	2,244358E+22	2,103733E+22	2,103731E+22	2,244339E+22	2,421080E+22
-946	2,527441E+22	2,534911E+22	2,500677E+22	2,500731E+22	2,535010E+22	2,527529E+22	2,421156E+22	2,244399E+22	2,103768E+22	2,103744E+22	2,244338E+22	2,421088E+22
-945	2,527512E+22	2,535070E+22	2,500816E+22	2,500783E+22	2,535009E+22	2,527505E+22	2,421126E+22	2,244376E+22	2,103768E+22	2,103777E+22	2,244399E+22	2,421141E+22
-944	2,527496E+22	2,534984E+22	2,500727E+22	2,500704E+22	2,534938E+22	2,527458E+22	2,421111E+22	2,244383E+22	2,103775E+22	2,103760E+22	2,244333E+22	2,421046E+22
-943	2,527406E+22	2,534922E+22	2,500728E+22	2,500765E+22	2,535010E+22	2,527502E+22	2,421123E+22	2,244382E+22	2,103776E+22	2,103772E+22	2,244377E+22	2,421132E+22
-942	2,527532E+22	2,535035E+22	2,500775E+22	2,500780E+22	2,535015E+22	2,527482E+22	2,421073E+22	2,244311E+22	2,103713E+22	2,103745E+22	2,244386E+22	2,421129E+22
-941	2,527471E+22	2,534930E+22	2,500653E+22	2,500669E+22	2,534956E+22	2,527486E+22	2,421105E+22	2,244329E+22	2,103684E+22	2,103673E+22	2,244303E+22	2,421077E+22
-940	2,527459E+22	2,534978E+22	2,500746E+22	2,500741E+22	2,534990E+22	2,527500E+22	2,421112E+22	2,244331E+22	2,103686E+22	2,103679E+22	2,244334E+22	2,421152E+22
-939	2,527560E+22	2,535029E+22	2,500748E+22	2,500723E+22	2,534947E+22	2,527454E+22	2,421086E+22	2,244310E+22	2,103661E+22	2,103649E+22	2,244270E+22	2,421035E+22
-938	2,527428E+22	2,534912E+22	2,500649E+22	2,500688E+22	2,534970E+22	2,527487E+22	2,421104E+22	2,244325E+22	2,103672E+22	2,103648E+22	2,244261E+22	2,421020E+22
-937	2,527442E+22	2,535018E+22	2,500779E+22	2,500760E+22	2,535004E+22	2,527494E+22	2,421079E+22	2,244288E+22	2,103654E+22	2,103673E+22	2,244338E+22	2,421121E+22
-936	2,527476E+22	2,534950E+22	2,500693E+22	2,500686E+22	2,534945E+22	2,527468E+22	2,421083E+22	2,244298E+22	2,103656E+22	2,103654E+22	2,244276E+22	2,421035E+22
-935	2,527395E+22	2,534861E+22	2,500632E+22	2,500694E+22	2,534985E+22	2,527508E+22	2,421121E+22	2,244337E+22	2,103687E+22	2,103675E+22	2,244309E+22	2,421100E+22
-934	2,527524E+22	2,535022E+22	2,500732E+22	2,500733E+22	2,534993E+22	2,527484E+22	2,421081E+22	2,244300E+22	2,103670E+22	2,103688E+22	2,244344E+22	2,421122E+22
-933	2,527490E+22	2,534960E+22	2,500663E+22	2,500644E+22	2,534916E+22	2,527460E+22	2,421102E+22	2,244340E+22	2,103698E+22	2,103677E+22	2,244291E+22	2,421049E+22
-932	2,527425E+22	2,534956E+22	2,500749E+22	2,500745E+22	2,534968E+22	2,527465E+22	2,421099E+22	2,244360E+22	2,103746E+22	2,103743E+22	2,244365E+22	2,421142E+22
-931	2,527544E+22	2,535040E+22	2,500793E+22	2,500783E+22	2,534989E+22	2,527459E+22	2,421076E+22	2,244331E+22	2,103736E+22	2,103756E+22	2,244366E+22	2,421089E+22
-930	2,527442E+22	2,534921E+22	2,500672E+22	2,500717E+22	2,534999E+22	2,527507E+22	2,421123E+22	2,244371E+22	2,103762E+22	2,103759E+22	2,244351E+22	2,421070E+22
-929	2,527454E+22	2,535017E+22	2,500801E+22	2,500794E+22	2,535031E+22	2,527521E+22	2,421129E+22	2,244377E+22	2,103774E+22	2,103787E+22	2,244417E+22	2,421183E+22
-928	2,527548E+22	2,535026E+22	2,500772E+22	2,500754E+22	2,534978E+22	2,527482E+22	2,421126E+22	2,244400E+22	2,103803E+22	2,103788E+22	2,244354E+22	2,421066E+22
-927	2,527427E+22	2,534921E+22	2,500699E+22	2,500737E+22	2,534995E+22	2,527508E+22	2,421161E+22	2,244448E+22	2,103847E+22	2,103818E+22	2,244378E+22	2,421093E+22
-926	2,527496E+22	2,535055E+22	2,500832E+22	2,500824E+22	2,535034E+22	2,527494E+22	2,421110E+22	2,244391E+22	2,103816E+22	2,103833E+22	2,244434E+22	2,421152E+22
-925	2,527491E+22	2,534983E+22	2,500743E+22	2,500731E+22	2,534966E+22	2,527475E+22	2,421119E+22	2,244399E+22	2,103806E+22	2,103798E+22	2,244375E+22	2,421078E+22
-924	2,527409E+22	2,534916E+22	2,500731E+22	2,500765E+22	2,535002E+22	2,527494E+22	2,421126E+22	2,244400E+22	2,103808E+22	2,103810E+22	2,244413E+22	2,421165E+22
-923	2,527556E+22	2,535049E+22	2,500788E+22	2,500785E+22	2,535011E+22	2,527488E+22	2,421100E+22	2,244347E+22	2,103747E+22	2,103766E+22	2,244386E+22	2,421125E+22
-922	2,527480E+22	2,534952E+22	2,500668E+22	2,500672E+22	2,534960E+22	2,527496E+22	2,421129E+22	2,244373E+22	2,103742E+22	2,103717E+22	2,244308E+22	2,421048E+22
-921	2,527441E+22	2,535003E+22	2,500786E+22	2,500757E+22	2,534978E+22	2,527480E+22	2,421108E+22	2,244357E+22	2,103734E+22	2,103725E+22	2,244350E+22	2,421141E+22
-920	2,527542E+22	2,535032E+22	2,500783E+22	2,500766E+22	2,534969E+22	2,527442E+22	2,421067E+22	2,244330E+22	2,103725E+22	2,103718E+22	2,244305E+22	2,421030E+22
-919	2,527395E+22	2,534883E+22	2,500644E+22	2,500697E+22	2,534985E+22	2,527493E+22	2,421110E+22	2,244355E+22	2,103732E+22	2,103721E+22	2,244322E+22	2,421056E+22
-918	2,527438E+22	2,534984E+22	2,500764E+22	2,500774E+22	2,535029E+22	2,527507E+22	2,421089E+22	2,244306E+22	2,103688E+22	2,103714E+22	2,244372E+22	2,421151E+22
-917	2,527502E+22	2,534964E+22	2,500695E+22	2,500680E+22	2,534940E+22	2,527475E+22	2,421107E+22	2,244336E+22	2,103696E+22	2,103683E+22	2,244300E+22	2,421058E+22
-916	2,527413E+22	2,534886E+22	2,500654E+22	2,500684E+22	2,534949E+22	2,527472E+22	2,421116E+22	2,244374E+22	2,103748E+22	2,103729E+22	2,244337E+22	2,421112E+22
-915	2,527537E+22	2,535054E+22	2,500783E+22	2,500762E+22	2,534984E+22	2,527463E+22	2,421081E+22	2,244332E+22	2,103729E+22	2,103743E+22	2,244362E+22	2,421107E+22
-914	2,527476E+22	2,534967E+22	2,500697E+22	2,500686E+22	2,534948E+22	2,527466E+22	2,421102E+22	2,244368E+22	2,103761E+22	2,103748E+22	2,244329E+22	2,421039E+22
-913	2,527400E+22	2,534960E+22	2,500777E+22	2,500777E+22	2,534994E+22	2,527476E+22	2,421100E+22	2,244372E+22	2,103784E+22	2,103792E+22	2,244405E+22	2,421165E+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	2,527547E+22	2,535040E+22	2,500810E+22	2,500813E+22	2,535019E+22	2,527477E+22	2,421089E+22	2,244364E+22	2,103793E+22	2,103809E+22	2,244394E+22	2,421097E+22
-911	2,527439E+22	2,534916E+22	2,500671E+22	2,500714E+22	2,535000E+22	2,527520E+22	2,421160E+22	2,244435E+22	2,103837E+22	2,103820E+22	2,244386E+22	2,421087E+22
-910	2,527457E+22	2,535012E+22	2,500809E+22	2,500808E+22	2,535037E+22	2,527521E+22	2,421145E+22	2,244423E+22	2,103840E+22	2,103842E+22	2,244434E+22	2,421176E+22
-909	2,527547E+22	2,535046E+22	2,500804E+22	2,500772E+22	2,534974E+22	2,527475E+22	2,421140E+22	2,244446E+22	2,103868E+22	2,103850E+22	2,244393E+22	2,421073E+22
-908	2,527411E+22	2,534919E+22	2,500720E+22	2,500752E+22	2,534983E+22	2,527474E+22	2,421139E+22	2,244470E+22	2,103910E+22	2,103894E+22	2,244437E+22	2,421123E+22
-907	2,527499E+22	2,535050E+22	2,500843E+22	2,500838E+22	2,535042E+22	2,527497E+22	2,421112E+22	2,244402E+22	2,103852E+22	2,103879E+22	2,244469E+22	2,421173E+22
-906	2,527501E+22	2,534982E+22	2,500743E+22	2,500738E+22	2,534981E+22	2,527491E+22	2,421135E+22	2,244421E+22	2,103840E+22	2,103836E+22	2,244398E+22	2,421085E+22
-905	2,527424E+22	2,534945E+22	2,500752E+22	2,500764E+22	2,534987E+22	2,527481E+22	2,421126E+22	2,244416E+22	2,103831E+22	2,103826E+22	2,244418E+22	2,421168E+22
-904	2,527573E+22	2,535081E+22	2,500828E+22	2,500808E+22	2,535012E+22	2,527474E+22	2,421093E+22	2,244376E+22	2,103803E+22	2,103806E+22	2,244385E+22	2,421096E+22
-903	2,527458E+22	2,534959E+22	2,500703E+22	2,500697E+22	2,534965E+22	2,527489E+22	2,421136E+22	2,244413E+22	2,103808E+22	2,103781E+22	2,244339E+22	2,421041E+22
-902	2,527410E+22	2,534971E+22	2,500797E+22	2,500801E+22	2,535016E+22	2,527488E+22	2,421104E+22	2,244371E+22	2,103778E+22	2,103776E+22	2,244378E+22	2,421137E+22
-901	2,527523E+22	2,535017E+22	2,500788E+22	2,500786E+22	2,534999E+22	2,527474E+22	2,421092E+22	2,244356E+22	2,103760E+22	2,103762E+22	2,244351E+22	2,421059E+22
-900	2,527392E+22	2,534866E+22	2,500636E+22	2,500686E+22	2,534970E+22	2,527484E+22	2,421119E+22	2,244387E+22	2,103781E+22	2,103772E+22	2,244367E+22	2,421094E+22
-899	2,527465E+22	2,534989E+22	2,500759E+22	2,500758E+22	2,535011E+22	2,527508E+22	2,421113E+22	2,244347E+22	2,103739E+22	2,103754E+22	2,244387E+22	2,421156E+22
-898	2,527520E+22	2,534988E+22	2,500715E+22	2,500681E+22	2,534932E+22	2,527471E+22	2,421120E+22	2,244380E+22	2,103764E+22	2,103747E+22	2,244324E+22	2,421045E+22
-897	2,527410E+22	2,534920E+22	2,500703E+22	2,500707E+22	2,534932E+22	2,527436E+22	2,421095E+22	2,244389E+22	2,103798E+22	2,103787E+22	2,244370E+22	2,421115E+22
-896	2,527533E+22	2,535068E+22	2,500828E+22	2,500813E+22	2,535012E+22	2,527450E+22	2,421056E+22	2,244347E+22	2,103792E+22	2,103812E+22	2,244401E+22	2,421108E+22
-895	2,527456E+22	2,534955E+22	2,500711E+22	2,500712E+22	2,534976E+22	2,527486E+22	2,421115E+22	2,244396E+22	2,103816E+22	2,103814E+22	2,244381E+22	2,421067E+22
-894	2,527401E+22	2,534935E+22	2,500774E+22	2,500803E+22	2,535025E+22	2,527502E+22	2,421124E+22	2,244402E+22	2,103823E+22	2,103828E+22	2,244422E+22	2,421173E+22
-893	2,527563E+22	2,535059E+22	2,500826E+22	2,500820E+22	2,535026E+22	2,527498E+22	2,421129E+22	2,244419E+22	2,103845E+22	2,103846E+22	2,244415E+22	2,421104E+22
-892	2,527439E+22	2,534931E+22	2,500696E+22	2,500711E+22	2,534969E+22	2,527491E+22	2,421167E+22	2,244489E+22	2,103918E+22	2,103890E+22	2,244420E+22	2,421092E+22
-891	2,527457E+22	2,535021E+22	2,500839E+22	2,500827E+22	2,535030E+22	2,527510E+22	2,421154E+22	2,244463E+22	2,103911E+22	2,103911E+22	2,244466E+22	2,421166E+22
-890	2,527530E+22	2,535042E+22	2,500824E+22	2,500801E+22	2,534996E+22	2,527480E+22	2,421141E+22	2,244473E+22	2,103931E+22	2,103927E+22	2,244444E+22	2,421076E+22
-889	2,527400E+22	2,534923E+22	2,500738E+22	2,500767E+22	2,534988E+22	2,527469E+22	2,421130E+22	2,244472E+22	2,103938E+22	2,103939E+22	2,244482E+22	2,421157E+22
-888	2,527520E+22	2,535061E+22	2,500860E+22	2,500859E+22	2,535056E+22	2,527496E+22	2,421108E+22	2,244423E+22	2,103895E+22	2,103917E+22	2,244489E+22	2,421182E+22
-887	2,527512E+22	2,534991E+22	2,500750E+22	2,500739E+22	2,534981E+22	2,527497E+22	2,421155E+22	2,244461E+22	2,103892E+22	2,103878E+22	2,244419E+22	2,421092E+22
-886	2,527429E+22	2,534947E+22	2,500774E+22	2,500792E+22	2,534998E+22	2,527482E+22	2,421135E+22	2,244444E+22	2,103872E+22	2,103858E+22	2,244418E+22	2,421146E+22
-885	2,527563E+22	2,535098E+22	2,500865E+22	2,500840E+22	2,535022E+22	2,527475E+22	2,421105E+22	2,244407E+22	2,103844E+22	2,103850E+22	2,244414E+22	2,421090E+22
-884	2,527425E+22	2,534937E+22	2,500712E+22	2,500713E+22	2,534964E+22	2,527474E+22	2,421127E+22	2,244435E+22	2,103863E+22	2,103846E+22	2,244392E+22	2,421065E+22
-883	2,527404E+22	2,534945E+22	2,500783E+22	2,500800E+22	2,535026E+22	2,527511E+22	2,421123E+22	2,244389E+22	2,103813E+22	2,103822E+22	2,244413E+22	2,421153E+22
-882	2,527528E+22	2,535006E+22	2,500773E+22	2,500773E+22	2,534997E+22	2,527488E+22	2,421118E+22	2,244391E+22	2,103805E+22	2,103808E+22	2,244379E+22	2,421068E+22
-881	2,527414E+22	2,534895E+22	2,500648E+22	2,500671E+22	2,534937E+22	2,527458E+22	2,421115E+22	2,244409E+22	2,103818E+22	2,103805E+22	2,244383E+22	2,421106E+22
-880	2,527493E+22	2,535032E+22	2,500804E+22	2,500778E+22	2,534995E+22	2,527471E+22	2,421091E+22	2,244377E+22	2,103806E+22	2,103807E+22	2,244399E+22	2,421139E+22
-879	2,527509E+22	2,535004E+22	2,500757E+22	2,500718E+22	2,534939E+22	2,527455E+22	2,421114E+22	2,244410E+22	2,103828E+22	2,103816E+22	2,244367E+22	2,421048E+22
-878	2,527391E+22	2,534904E+22	2,500735E+22	2,500768E+22	2,534975E+22	2,527448E+22	2,421091E+22	2,244400E+22	2,103836E+22	2,103835E+22	2,244400E+22	2,421115E+22
-877	2,527522E+22	2,535068E+22	2,500852E+22	2,500850E+22	2,535050E+22	2,527490E+22	2,421090E+22	2,244378E+22	2,103827E+22	2,103855E+22	2,244442E+22	2,421128E+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	2,527449E+22	2,534944E+22	2,500716E+22	2,500720E+22	2,534978E+22	2,527494E+22	2,421144E+22	2,244448E+22	2,103882E+22	2,103874E+22	2,244421E+22	2,421092E+22
-875	2,527420E+22	2,534939E+22	2,500772E+22	2,500795E+22	2,535024E+22	2,527522E+22	2,421164E+22	2,244462E+22	2,103896E+22	2,103885E+22	2,244440E+22	2,421160E+22
-874	2,527560E+22	2,535074E+22	2,500847E+22	2,500828E+22	2,535020E+22	2,527498E+22	2,421155E+22	2,244481E+22	2,103935E+22	2,103929E+22	2,244450E+22	2,421091E+22
-873	2,527430E+22	2,534950E+22	2,500732E+22	2,500733E+22	2,534949E+22	2,527452E+22	2,421147E+22	2,244513E+22	2,103982E+22	2,103966E+22	2,244474E+22	2,421111E+22
-872	2,527456E+22	2,535023E+22	2,500865E+22	2,500864E+22	2,535043E+22	2,527486E+22	2,421124E+22	2,244478E+22	2,103976E+22	2,103985E+22	2,244520E+22	2,421186E+22
-871	2,527525E+22	2,535033E+22	2,500828E+22	2,500816E+22	2,535011E+22	2,527490E+22	2,421146E+22	2,244489E+22	2,103972E+22	2,103985E+22	2,244502E+22	2,421119E+22
-870	2,527418E+22	2,534916E+22	2,500741E+22	2,500787E+22	2,535001E+22	2,527477E+22	2,421138E+22	2,244482E+22	2,103952E+22	2,103953E+22	2,244489E+22	2,421163E+22
-869	2,527543E+22	2,535095E+22	2,500887E+22	2,500871E+22	2,535059E+22	2,527508E+22	2,421134E+22	2,244455E+22	2,103920E+22	2,103933E+22	2,244495E+22	2,421176E+22
-868	2,527507E+22	2,535009E+22	2,500785E+22	2,500756E+22	2,534964E+22	2,527474E+22	2,421155E+22	2,244497E+22	2,103948E+22	2,103923E+22	2,244433E+22	2,421081E+22
-867	2,527417E+22	2,534945E+22	2,500790E+22	2,500813E+22	2,535009E+22	2,527490E+22	2,421147E+22	2,244473E+22	2,103924E+22	2,103906E+22	2,244433E+22	2,421119E+22
-866	2,527527E+22	2,535079E+22	2,500871E+22	2,500866E+22	2,535051E+22	2,527498E+22	2,421123E+22	2,244438E+22	2,103898E+22	2,103910E+22	2,244450E+22	2,421088E+22
-865	2,527410E+22	2,534927E+22	2,500710E+22	2,500715E+22	2,534956E+22	2,527468E+22	2,421130E+22	2,244451E+22	2,103895E+22	2,103890E+22	2,244435E+22	2,421097E+22
-864	2,527422E+22	2,534948E+22	2,500780E+22	2,500800E+22	2,535017E+22	2,527497E+22	2,421125E+22	2,244426E+22	2,103869E+22	2,103867E+22	2,244438E+22	2,421163E+22
-863	2,527539E+22	2,535020E+22	2,500775E+22	2,500763E+22	2,534980E+22	2,527480E+22	2,421131E+22	2,244433E+22	2,103866E+22	2,103865E+22	2,244414E+22	2,421081E+22
-862	2,527422E+22	2,534909E+22	2,500680E+22	2,500700E+22	2,534932E+22	2,527438E+22	2,421107E+22	2,244428E+22	2,103861E+22	2,103847E+22	2,244398E+22	2,421094E+22
-861	2,527490E+22	2,535060E+22	2,500855E+22	2,500827E+22	2,535010E+22	2,527464E+22	2,421089E+22	2,244397E+22	2,103846E+22	2,103860E+22	2,244443E+22	2,421144E+22
-860	2,527486E+22	2,534994E+22	2,500781E+22	2,500756E+22	2,534956E+22	2,527448E+22	2,421105E+22	2,244429E+22	2,103882E+22	2,103882E+22	2,244421E+22	2,421076E+22
-859	2,527394E+22	2,534891E+22	2,500732E+22	2,500782E+22	2,535004E+22	2,527488E+22	2,421125E+22	2,244430E+22	2,103879E+22	2,103881E+22	2,244430E+22	2,421120E+22
-858	2,527520E+22	2,535067E+22	2,500853E+22	2,500857E+22	2,535063E+22	2,527519E+22	2,421136E+22	2,244436E+22	2,103889E+22	2,103907E+22	2,244464E+22	2,421126E+22
-857	2,527459E+22	2,534967E+22	2,500733E+22	2,500719E+22	2,534953E+22	2,527476E+22	2,421157E+22	2,244495E+22	2,103947E+22	2,103930E+22	2,244449E+22	2,421099E+22
-856	2,527431E+22	2,534967E+22	2,500806E+22	2,500817E+22	2,535011E+22	2,527490E+22	2,421156E+22	2,244512E+22	2,103986E+22	2,103963E+22	2,244473E+22	2,421150E+22
-855	2,527538E+22	2,535074E+22	2,500868E+22	2,500853E+22	2,535024E+22	2,527485E+22	2,421151E+22	2,244516E+22	2,104010E+22	2,104016E+22	2,244514E+22	2,421112E+22
-854	2,527416E+22	2,534934E+22	2,500752E+22	2,500778E+22	2,534977E+22	2,527454E+22	2,421137E+22	2,244518E+22	2,104016E+22	2,104016E+22	2,244517E+22	2,421134E+22
-853	2,527466E+22	2,535036E+22	2,500887E+22	2,500890E+22	2,535061E+22	2,527501E+22	2,421140E+22	2,244494E+22	2,103994E+22	2,104018E+22	2,244562E+22	2,421215E+22
-852	2,527533E+22	2,535034E+22	2,500835E+22	2,500823E+22	2,535005E+22	2,527484E+22	2,421158E+22	2,244523E+22	2,104016E+22	2,104021E+22	2,244526E+22	2,421140E+22
-851	2,527444E+22	2,534938E+22	2,500750E+22	2,500785E+22	2,535004E+22	2,527498E+22	2,421168E+22	2,244521E+22	2,103999E+22	2,103983E+22	2,244485E+22	2,421136E+22
-850	2,527529E+22	2,535114E+22	2,500917E+22	2,500888E+22	2,535058E+22	2,527511E+22	2,421159E+22	2,244505E+22	2,103985E+22	2,103985E+22	2,244504E+22	2,421146E+22
-849	2,527482E+22	2,535016E+22	2,500812E+22	2,500783E+22	2,534958E+22	2,527448E+22	2,421142E+22	2,244518E+22	2,103999E+22	2,103981E+22	2,244470E+22	2,421087E+22
-848	2,527403E+22	2,534934E+22	2,500793E+22	2,500837E+22	2,535024E+22	2,527477E+22	2,421132E+22	2,244495E+22	2,103982E+22	2,103967E+22	2,244474E+22	2,421128E+22
-847	2,527507E+22	2,535053E+22	2,500851E+22	2,500863E+22	2,535057E+22	2,527508E+22	2,421138E+22	2,244464E+22	2,103941E+22	2,103963E+22	2,244502E+22	2,421126E+22
-846	2,527420E+22	2,534919E+22	2,500707E+22	2,500721E+22	2,534950E+22	2,527461E+22	2,421135E+22	2,244468E+22	2,103918E+22	2,103910E+22	2,244449E+22	2,421110E+22
-845	2,527447E+22	2,534987E+22	2,500810E+22	2,500807E+22	2,535001E+22	2,527483E+22	2,421133E+22	2,244453E+22	2,103902E+22	2,103899E+22	2,244461E+22	2,421165E+22
-844	2,527536E+22	2,535042E+22	2,500814E+22	2,500786E+22	2,534963E+22	2,527447E+22	2,421119E+22	2,244461E+22	2,103924E+22	2,103922E+22	2,244445E+22	2,421087E+22
-843	2,527420E+22	2,534920E+22	2,500706E+22	2,500734E+22	2,534961E+22	2,527453E+22	2,421111E+22	2,244447E+22	2,103907E+22	2,103898E+22	2,244422E+22	2,421078E+22
-842	2,527462E+22	2,535054E+22	2,500876E+22	2,500867E+22	2,535053E+22	2,527497E+22	2,421115E+22	2,244431E+22	2,103898E+22	2,103915E+22	2,244475E+22	2,421148E+22
-841	2,527480E+22	2,534992E+22	2,500790E+22	2,500778E+22	2,534968E+22	2,527457E+22	2,421123E+22	2,244460E+22	2,103926E+22	2,103928E+22	2,244459E+22	2,421104E+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	2,527410E+22	2,534897E+22	2,500729E+22	2,500790E+22	2,535008E+22	2,527487E+22	2,421147E+22	2,244492E+22	2,103957E+22	2,103938E+22	2,244455E+22	2,421122E+22
-839	2,527515E+22	2,535073E+22	2,500858E+22	2,500855E+22	2,535055E+22	2,527522E+22	2,421166E+22	2,244500E+22	2,103975E+22	2,103983E+22	2,244510E+22	2,421138E+22
-838	2,527454E+22	2,534975E+22	2,500764E+22	2,500745E+22	2,534940E+22	2,527449E+22	2,421154E+22	2,244530E+22	2,104012E+22	2,103995E+22	2,244484E+22	2,421098E+22
-837	2,527424E+22	2,534985E+22	2,500842E+22	2,500852E+22	2,535017E+22	2,527472E+22	2,421148E+22	2,244533E+22	2,104037E+22	2,104035E+22	2,244538E+22	2,421172E+22
-836	2,527523E+22	2,535064E+22	2,500882E+22	2,500877E+22	2,535032E+22	2,527471E+22	2,421135E+22	2,244529E+22	2,104060E+22	2,104082E+22	2,244575E+22	2,421157E+22
-835	2,527438E+22	2,534938E+22	2,500746E+22	2,500779E+22	2,534996E+22	2,527482E+22	2,421155E+22	2,244534E+22	2,104043E+22	2,104046E+22	2,244536E+22	2,421143E+22
-834	2,527479E+22	2,535056E+22	2,500902E+22	2,500900E+22	2,535069E+22	2,527518E+22	2,421172E+22	2,244538E+22	2,104039E+22	2,104045E+22	2,244561E+22	2,421209E+22
-833	2,527548E+22	2,535069E+22	2,500866E+22	2,500836E+22	2,534988E+22	2,527460E+22	2,421159E+22	2,244555E+22	2,104063E+22	2,104054E+22	2,244530E+22	2,421130E+22
-832	2,527442E+22	2,534962E+22	2,500788E+22	2,500819E+22	2,535005E+22	2,527471E+22	2,421163E+22	2,244568E+22	2,104072E+22	2,104040E+22	2,244499E+22	2,421105E+22
-831	2,527483E+22	2,535097E+22	2,500933E+22	2,500919E+22	2,535080E+22	2,527516E+22	2,421166E+22	2,244538E+22	2,104048E+22	2,104056E+22	2,244552E+22	2,421151E+22
-830	2,527447E+22	2,534984E+22	2,500817E+22	2,500812E+22	2,534982E+22	2,527457E+22	2,421145E+22	2,244530E+22	2,104031E+22	2,104023E+22	2,244506E+22	2,421104E+22
-829	2,527403E+22	2,534932E+22	2,500793E+22	2,500843E+22	2,535033E+22	2,527489E+22	2,421152E+22	2,244517E+22	2,104008E+22	2,104006E+22	2,244521E+22	2,421161E+22
-828	2,527514E+22	2,535047E+22	2,500840E+22	2,500850E+22	2,535039E+22	2,527493E+22	2,421145E+22	2,244499E+22	2,103992E+22	2,104008E+22	2,244535E+22	2,421158E+22
-827	2,527452E+22	2,534945E+22	2,500712E+22	2,500709E+22	2,534945E+22	2,527467E+22	2,421148E+22	2,244498E+22	2,103964E+22	2,103947E+22	2,244457E+22	2,421098E+22
-826	2,527444E+22	2,535016E+22	2,500853E+22	2,500834E+22	2,535000E+22	2,527470E+22	2,421140E+22	2,244490E+22	2,103960E+22	2,103952E+22	2,244478E+22	2,421154E+22
-825	2,527525E+22	2,535054E+22	2,500848E+22	2,500826E+22	2,534972E+22	2,527422E+22	2,421097E+22	2,244472E+22	2,103968E+22	2,103977E+22	2,244486E+22	2,421105E+22
-824	2,527418E+22	2,534923E+22	2,500722E+22	2,500770E+22	2,534989E+22	2,527454E+22	2,421110E+22	2,244475E+22	2,103963E+22	2,103954E+22	2,244458E+22	2,421087E+22
-823	2,527445E+22	2,535036E+22	2,500866E+22	2,500870E+22	2,535069E+22	2,527523E+22	2,421148E+22	2,244473E+22	2,103950E+22	2,103967E+22	2,244514E+22	2,421170E+22
-822	2,527481E+22	2,534990E+22	2,500797E+22	2,500788E+22	2,534969E+22	2,527459E+22	2,421144E+22	2,244501E+22	2,103974E+22	2,103963E+22	2,244471E+22	2,421106E+22
-821	2,527424E+22	2,534934E+22	2,500761E+22	2,500798E+22	2,534995E+22	2,527473E+22	2,421160E+22	2,244536E+22	2,104017E+22	2,103996E+22	2,244489E+22	2,421121E+22
-820	2,527496E+22	2,535075E+22	2,500883E+22	2,500873E+22	2,535039E+22	2,527487E+22	2,421156E+22	2,244541E+22	2,104054E+22	2,104064E+22	2,244559E+22	2,421155E+22
-819	2,527452E+22	2,534979E+22	2,500781E+22	2,500770E+22	2,534966E+22	2,527459E+22	2,421152E+22	2,244551E+22	2,104068E+22	2,104060E+22	2,244526E+22	2,421103E+22
-818	2,527410E+22	2,534988E+22	2,500867E+22	2,500882E+22	2,535040E+22	2,527487E+22	2,421162E+22	2,244562E+22	2,104088E+22	2,104091E+22	2,244575E+22	2,421193E+22
-817	2,527534E+22	2,535073E+22	2,500896E+22	2,500894E+22	2,535035E+22	2,527466E+22	2,421141E+22	2,244552E+22	2,104099E+22	2,104123E+22	2,244607E+22	2,421186E+22
-816	2,527466E+22	2,534965E+22	2,500765E+22	2,500795E+22	2,535002E+22	2,527475E+22	2,421168E+22	2,244585E+22	2,104107E+22	2,104088E+22	2,244544E+22	2,421132E+22
-815	2,527469E+22	2,535068E+22	2,500922E+22	2,500911E+22	2,535072E+22	2,527524E+22	2,421197E+22	2,244591E+22	2,104109E+22	2,104103E+22	2,244583E+22	2,421199E+22
-814	2,527525E+22	2,535070E+22	2,500905E+22	2,500877E+22	2,534996E+22	2,527446E+22	2,421158E+22	2,244585E+22	2,104116E+22	2,104105E+22	2,244552E+22	2,421118E+22
-813	2,527420E+22	2,534962E+22	2,500813E+22	2,500852E+22	2,535026E+22	2,527469E+22	2,421160E+22	2,244584E+22	2,104116E+22	2,104105E+22	2,244556E+22	2,421121E+22
-812	2,527451E+22	2,535060E+22	2,500919E+22	2,500925E+22	2,535089E+22	2,527517E+22	2,421166E+22	2,244557E+22	2,104095E+22	2,104117E+22	2,244610E+22	2,421197E+22
-811	2,527466E+22	2,534975E+22	2,500792E+22	2,500792E+22	2,534990E+22	2,527482E+22	2,421166E+22	2,244550E+22	2,104059E+22	2,104054E+22	2,244528E+22	2,421120E+22
-810	2,527419E+22	2,534951E+22	2,500802E+22	2,500833E+22	2,535020E+22	2,527487E+22	2,421173E+22	2,244558E+22	2,104053E+22	2,104035E+22	2,244524E+22	2,421167E+22
-809	2,527540E+22	2,535084E+22	2,500871E+22	2,500854E+22	2,535011E+22	2,527454E+22	2,421129E+22	2,244521E+22	2,104037E+22	2,104046E+22	2,244548E+22	2,421161E+22
-808	2,527465E+22	2,534977E+22	2,500755E+22	2,500744E+22	2,534946E+22	2,527433E+22	2,421132E+22	2,244530E+22	2,104024E+22	2,103997E+22	2,244471E+22	2,421078E+22
-807	2,527412E+22	2,535009E+22	2,500878E+22	2,500874E+22	2,535035E+22	2,527483E+22	2,421144E+22	2,244514E+22	2,104011E+22	2,104010E+22	2,244518E+22	2,421162E+22
-806	2,527500E+22	2,535037E+22	2,500871E+22	2,500865E+22	2,535003E+22	2,527437E+22	2,421105E+22	2,244485E+22	2,103996E+22	2,104009E+22	2,244510E+22	2,421115E+22
-805	2,527417E+22	2,534924E+22	2,500733E+22	2,500783E+22	2,535006E+22	2,527474E+22	2,421140E+22	2,244509E+22	2,104003E+22	2,104001E+22	2,244497E+22	2,421102E+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												
-804	2,527435E+22	2,535023E+22	2,500860E+22	2,500865E+22	2,535062E+22	2,527522E+22	2,421171E+22	2,244529E+22	2,104025E+22	2,104031E+22	2,244547E+22	2,421187E+22
-803	2,527496E+22	2,535007E+22	2,500801E+22	2,500776E+22	2,534965E+22	2,527467E+22	2,421163E+22	2,244550E+22	2,104047E+22	2,104027E+22	2,244494E+22	2,421093E+22
-802	2,527410E+22	2,534952E+22	2,500800E+22	2,500822E+22	2,534991E+22	2,527455E+22	2,421166E+22	2,244584E+22	2,104098E+22	2,104072E+22	2,244527E+22	2,421129E+22
-801	2,527493E+22	2,535077E+22	2,500908E+22	2,500902E+22	2,535041E+22	2,527454E+22	2,421127E+22	2,244553E+22	2,104112E+22	2,104137E+22	2,244618E+22	2,421192E+22
-800	2,527465E+22	2,534986E+22	2,500799E+22	2,500798E+22	2,534981E+22	2,527449E+22	2,421145E+22	2,244576E+22	2,104119E+22	2,104117E+22	2,244567E+22	2,421124E+22
-799	2,527412E+22	2,534987E+22	2,500874E+22	2,500895E+22	2,535056E+22	2,527504E+22	2,421185E+22	2,244595E+22	2,104133E+22	2,104137E+22	2,244609E+22	2,421213E+22
-798	2,527542E+22	2,535089E+22	2,500927E+22	2,500915E+22	2,535039E+22	2,527465E+22	2,421153E+22	2,244583E+22	2,104137E+22	2,104148E+22	2,244607E+22	2,421177E+22
-797	2,527474E+22	2,535003E+22	2,500813E+22	2,500821E+22	2,535007E+22	2,527473E+22	2,421181E+22	2,244619E+22	2,104161E+22	2,104142E+22	2,244568E+22	2,421115E+22
-796	2,527436E+22	2,535055E+22	2,500944E+22	2,500939E+22	2,535079E+22	2,527513E+22	2,421198E+22	2,244630E+22	2,104181E+22	2,104175E+22	2,244621E+22	2,421201E+22
-795	2,527509E+22	2,535056E+22	2,500902E+22	2,500893E+22	2,535033E+22	2,527476E+22	2,421169E+22	2,244608E+22	2,104165E+22	2,104161E+22	2,244587E+22	2,421120E+22
-794	2,527401E+22	2,534950E+22	2,500819E+22	2,500862E+22	2,535040E+22	2,527488E+22	2,421186E+22	2,244620E+22	2,104163E+22	2,104151E+22	2,244589E+22	2,421150E+22
-793	2,527468E+22	2,535050E+22	2,500908E+22	2,500913E+22	2,535073E+22	2,527503E+22	2,421170E+22	2,244582E+22	2,104133E+22	2,104155E+22	2,244642E+22	2,421233E+22
-792	2,527505E+22	2,535003E+22	2,500804E+22	2,500787E+22	2,534970E+22	2,527458E+22	2,421170E+22	2,244594E+22	2,104115E+22	2,104094E+22	2,244540E+22	2,421117E+22
-791	2,527423E+22	2,534973E+22	2,500829E+22	2,500837E+22	2,535003E+22	2,527471E+22	2,421175E+22	2,244590E+22	2,104108E+22	2,104088E+22	2,244547E+22	2,421159E+22
-790	2,527522E+22	2,535095E+22	2,500922E+22	2,500896E+22	2,535015E+22	2,527428E+22	2,421109E+22	2,244531E+22	2,104074E+22	2,104087E+22	2,244566E+22	2,421151E+22
-789	2,527452E+22	2,534988E+22	2,500796E+22	2,500789E+22	2,534978E+22	2,527436E+22	2,421118E+22	2,244528E+22	2,104055E+22	2,104052E+22	2,244516E+22	2,421086E+22
-788	2,527384E+22	2,534974E+22	2,500869E+22	2,500887E+22	2,535055E+22	2,527498E+22	2,421155E+22	2,244536E+22	2,104055E+22	2,104060E+22	2,244556E+22	2,421188E+22
-787	2,527512E+22	2,535030E+22	2,500853E+22	2,500857E+22	2,535026E+22	2,527475E+22	2,421139E+22	2,244522E+22	2,104036E+22	2,104042E+22	2,244523E+22	2,421115E+22
-786	2,527420E+22	2,534940E+22	2,500752E+22	2,500781E+22	2,534995E+22	2,527476E+22	2,421172E+22	2,244570E+22	2,104073E+22	2,104048E+22	2,244508E+22	2,421103E+22
-785	2,527444E+22	2,535035E+22	2,500883E+22	2,500869E+22	2,535036E+22	2,527486E+22	2,421163E+22	2,244568E+22	2,104098E+22	2,104100E+22	2,244581E+22	2,421194E+22
-784	2,527501E+22	2,535027E+22	2,500839E+22	2,500807E+22	2,534963E+22	2,527434E+22	2,421151E+22	2,244591E+22	2,104125E+22	2,104107E+22	2,244537E+22	2,421090E+22
-783	2,527386E+22	2,534943E+22	2,500821E+22	2,500854E+22	2,535016E+22	2,527462E+22	2,421165E+22	2,244607E+22	2,104158E+22	2,104149E+22	2,244587E+22	2,421155E+22
-782	2,527485E+22	2,535072E+22	2,500936E+22	2,500936E+22	2,535062E+22	2,527462E+22	2,421130E+22	2,244566E+22	2,104143E+22	2,104177E+22	2,244652E+22	2,421217E+22
-781	2,527487E+22	2,535007E+22	2,500826E+22	2,500823E+22	2,535001E+22	2,527463E+22	2,421163E+22	2,244601E+22	2,104159E+22	2,104163E+22	2,244601E+22	2,421138E+22
-780	2,527416E+22	2,534990E+22	2,500884E+22	2,500901E+22	2,535059E+22	2,527511E+22	2,421209E+22	2,244646E+22	2,104200E+22	2,104191E+22	2,244631E+22	2,421218E+22
-779	2,527554E+22	2,535111E+22	2,500945E+22	2,500923E+22	2,535052E+22	2,527483E+22	2,421177E+22	2,244629E+22	2,104201E+22	2,104202E+22	2,244621E+22	2,421152E+22
-778	2,527447E+22	2,535009E+22	2,500854E+22	2,500855E+22	2,535016E+22	2,527471E+22	2,421197E+22	2,244669E+22	2,104236E+22	2,104209E+22	2,244601E+22	2,421120E+22
-777	2,527422E+22	2,535032E+22	2,500947E+22	2,500956E+22	2,535086E+22	2,527500E+22	2,421185E+22	2,244648E+22	2,104236E+22	2,104244E+22	2,244676E+22	2,421232E+22
-776	2,527519E+22	2,535049E+22	2,500896E+22	2,500892E+22	2,535030E+22	2,527469E+22	2,421176E+22	2,244639E+22	2,104212E+22	2,104212E+22	2,244625E+22	2,421140E+22
-775	2,527407E+22	2,534946E+22	2,500811E+22	2,500851E+22	2,535031E+22	2,527490E+22	2,421202E+22	2,244651E+22	2,104205E+22	2,104191E+22	2,244618E+22	2,421169E+22
-774	2,527485E+22	2,535075E+22	2,500938E+22	2,500916E+22	2,535048E+22	2,527474E+22	2,421159E+22	2,244598E+22	2,104162E+22	2,104174E+22	2,244641E+22	2,421226E+22
-773	2,527519E+22	2,535043E+22	2,500857E+22	2,500815E+22	2,534964E+22	2,527434E+22	2,421154E+22	2,244600E+22	2,104151E+22	2,104140E+22	2,244561E+22	2,421099E+22
-772	2,527396E+22	2,534966E+22	2,500858E+22	2,500876E+22	2,535020E+22	2,527462E+22	2,421163E+22	2,244605E+22	2,104156E+22	2,104143E+22	2,244578E+22	2,421159E+22
-771	2,527509E+22	2,535086E+22	2,500926E+22	2,500921E+22	2,535063E+22	2,527466E+22	2,421119E+22	2,244542E+22	2,104105E+22	2,104126E+22	2,244587E+22	2,421144E+22
-770	2,527430E+22	2,534977E+22	2,500811E+22	2,500811E+22	2,535004E+22	2,527470E+22	2,421156E+22	2,244570E+22	2,104101E+22	2,104089E+22	2,244538E+22	2,421104E+22
-769	2,527394E+22	2,534955E+22	2,500855E+22	2,500882E+22	2,535052E+22	2,527499E+22	2,421173E+22	2,244578E+22	2,104111E+22	2,104109E+22	2,244584E+22	2,421205E+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	2,527534E+22	2,535046E+22	2,500860E+22	2,500850E+22	2,535006E+22	2,527462E+22	2,421162E+22	2,244585E+22	2,104113E+22	2,104103E+22	2,244546E+22	2,421107E+22
-767	2,527412E+22	2,534949E+22	2,500777E+22	2,500788E+22	2,534978E+22	2,527460E+22	2,421181E+22	2,244619E+22	2,104152E+22	2,104128E+22	2,244555E+22	2,421107E+22
-766	2,527429E+22	2,535041E+22	2,500925E+22	2,500901E+22	2,535030E+22	2,527454E+22	2,421141E+22	2,244585E+22	2,104153E+22	2,104167E+22	2,244628E+22	2,421207E+22
-765	2,527503E+22	2,535038E+22	2,500874E+22	2,500847E+22	2,534988E+22	2,527432E+22	2,421133E+22	2,244587E+22	2,104167E+22	2,104181E+22	2,244603E+22	2,421119E+22
-764	2,527384E+22	2,534928E+22	2,500823E+22	2,500868E+22	2,535032E+22	2,527475E+22	2,421174E+22	2,244627E+22	2,104200E+22	2,104202E+22	2,244632E+22	2,421191E+22
-763	2,527516E+22	2,535088E+22	2,500935E+22	2,500938E+22	2,535085E+22	2,527493E+22	2,421159E+22	2,244602E+22	2,104184E+22	2,104207E+22	2,244659E+22	2,421213E+22
-762	2,527498E+22	2,535042E+22	2,500871E+22	2,500845E+22	2,535003E+22	2,527471E+22	2,421196E+22	2,244661E+22	2,104226E+22	2,104202E+22	2,244602E+22	2,421130E+22
-761	2,527419E+22	2,534998E+22	2,500912E+22	2,500923E+22	2,535051E+22	2,527489E+22	2,421209E+22	2,244690E+22	2,104274E+22	2,104257E+22	2,244656E+22	2,421206E+22
-760	2,527543E+22	2,535120E+22	2,500978E+22	2,500959E+22	2,535060E+22	2,527471E+22	2,421185E+22	2,244677E+22	2,104275E+22	2,104275E+22	2,244661E+22	2,421143E+22
-759	2,527413E+22	2,534988E+22	2,500862E+22	2,500875E+22	2,535031E+22	2,527483E+22	2,421209E+22	2,244699E+22	2,104293E+22	2,104280E+22	2,244658E+22	2,421139E+22
-758	2,527406E+22	2,535014E+22	2,500952E+22	2,500963E+22	2,535083E+22	2,527497E+22	2,421190E+22	2,244665E+22	2,104268E+22	2,104282E+22	2,244709E+22	2,421256E+22
-757	2,527542E+22	2,535065E+22	2,500909E+22	2,500900E+22	2,535029E+22	2,527464E+22	2,421176E+22	2,244651E+22	2,104248E+22	2,104260E+22	2,244660E+22	2,421153E+22
-756	2,527416E+22	2,534952E+22	2,500815E+22	2,500845E+22	2,535015E+22	2,527476E+22	2,421203E+22	2,244679E+22	2,104254E+22	2,104237E+22	2,244640E+22	2,421175E+22
-755	2,527500E+22	2,535100E+22	2,500958E+22	2,500931E+22	2,535056E+22	2,527474E+22	2,421160E+22	2,244619E+22	2,104202E+22	2,104213E+22	2,244652E+22	2,421205E+22
-754	2,527498E+22	2,535055E+22	2,500905E+22	2,500865E+22	2,534983E+22	2,527431E+22	2,421155E+22	2,244625E+22	2,104196E+22	2,104182E+22	2,244584E+22	2,421106E+22
-753	2,527384E+22	2,534941E+22	2,500860E+22	2,500900E+22	2,535040E+22	2,527465E+22	2,421158E+22	2,244614E+22	2,104191E+22	2,104191E+22	2,244617E+22	2,421177E+22
-752	2,527514E+22	2,535080E+22	2,500924E+22	2,500927E+22	2,535068E+22	2,527481E+22	2,421150E+22	2,244580E+22	2,104144E+22	2,104164E+22	2,244611E+22	2,421149E+22
-751	2,527427E+22	2,534971E+22	2,500805E+22	2,500804E+22	2,534998E+22	2,527483E+22	2,421191E+22	2,244620E+22	2,104157E+22	2,104137E+22	2,244564E+22	2,421110E+22
-750	2,527396E+22	2,534970E+22	2,500876E+22	2,500881E+22	2,535026E+22	2,527476E+22	2,421177E+22	2,244616E+22	2,104166E+22	2,104155E+22	2,244600E+22	2,421199E+22
-749	2,527539E+22	2,535074E+22	2,500902E+22	2,500877E+22	2,534999E+22	2,527437E+22	2,421148E+22	2,244605E+22	2,104177E+22	2,104182E+22	2,244593E+22	2,421104E+22
-748	2,527391E+22	2,534940E+22	2,500796E+22	2,500820E+22	2,534990E+22	2,527448E+22	2,421171E+22	2,244641E+22	2,104215E+22	2,104204E+22	2,244611E+22	2,421130E+22
-747	2,527435E+22	2,535044E+22	2,500932E+22	2,500927E+22	2,535066E+22	2,527477E+22	2,421147E+22	2,244599E+22	2,104191E+22	2,104217E+22	2,244668E+22	2,421222E+22
-746	2,527503E+22	2,535047E+22	2,500904E+22	2,500881E+22	2,535010E+22	2,527455E+22	2,421164E+22	2,244628E+22	2,104213E+22	2,104219E+22	2,244631E+22	2,421149E+22
-745	2,527409E+22	2,534934E+22	2,500831E+22	2,500879E+22	2,535035E+22	2,527477E+22	2,421192E+22	2,244670E+22	2,104258E+22	2,104252E+22	2,244656E+22	2,421199E+22
-744	2,527538E+22	2,535121E+22	2,500964E+22	2,500945E+22	2,535071E+22	2,527490E+22	2,421190E+22	2,244667E+22	2,104259E+22	2,104264E+22	2,244673E+22	2,421189E+22
-743	2,527475E+22	2,535049E+22	2,500906E+22	2,500874E+22	2,535002E+22	2,527467E+22	2,421216E+22	2,244718E+22	2,104310E+22	2,104283E+22	2,244644E+22	2,421120E+22
-742	2,527387E+22	2,534991E+22	2,500941E+22	2,500959E+22	2,535057E+22	2,527467E+22	2,421194E+22	2,244712E+22	2,104332E+22	2,104325E+22	2,244703E+22	2,421214E+22
-741	2,527526E+22	2,535109E+22	2,500989E+22	2,500985E+22	2,535080E+22	2,527472E+22	2,421172E+22	2,244678E+22	2,104319E+22	2,104349E+22	2,244725E+22	2,421172E+22
-740	2,527407E+22	2,534963E+22	2,500844E+22	2,500871E+22	2,535032E+22	2,527488E+22	2,421220E+22	2,244720E+22	2,104332E+22	2,104329E+22	2,244705E+22	2,421179E+22
-739	2,527440E+22	2,535031E+22	2,500940E+22	2,500950E+22	2,535080E+22	2,527501E+22	2,421203E+22	2,244689E+22	2,104298E+22	2,104305E+22	2,244717E+22	2,421256E+22
-738	2,527554E+22	2,535104E+22	2,500951E+22	2,500918E+22	2,535019E+22	2,527452E+22	2,421186E+22	2,244688E+22	2,104294E+22	2,104285E+22	2,244662E+22	2,421154E+22
-737	2,527424E+22	2,534967E+22	2,500845E+22	2,500872E+22	2,535011E+22	2,527449E+22	2,421186E+22	2,244695E+22	2,104300E+22	2,104283E+22	2,244659E+22	2,421165E+22
-736	2,527492E+22	2,535112E+22	2,500988E+22	2,500966E+22	2,535070E+22	2,527473E+22	2,421167E+22	2,244646E+22	2,104245E+22	2,104258E+22	2,244675E+22	2,421192E+22
-735	2,527465E+22	2,535035E+22	2,500915E+22	2,500896E+22	2,535013E+22	2,527459E+22	2,421180E+22	2,244655E+22	2,104238E+22	2,104229E+22	2,244621E+22	2,421115E+22
-734	2,527369E+22	2,534927E+22	2,500859E+22	2,500908E+22	2,535044E+22	2,527472E+22	2,421177E+22	2,244644E+22	2,104225E+22	2,104222E+22	2,244639E+22	2,421186E+22
-733	2,527520E+22	2,535089E+22	2,500930E+22	2,500933E+22	2,535068E+22	2,527484E+22	2,421163E+22	2,244612E+22	2,104199E+22	2,104221E+22	2,244643E+22	2,421153E+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												
-732	2,527425E+22	2,534974E+22	2,500806E+22	2,500796E+22	2,534976E+22	2,527470E+22	2,421205E+22	2,244667E+22	2,104229E+22	2,104205E+22	2,244602E+22	2,421119E+22
-731	2,527402E+22	2,534988E+22	2,500889E+22	2,500893E+22	2,535023E+22	2,527461E+22	2,421176E+22	2,244649E+22	2,104228E+22	2,104219E+22	2,244636E+22	2,421195E+22
-730	2,527524E+22	2,535088E+22	2,500945E+22	2,500923E+22	2,535015E+22	2,527427E+22	2,421141E+22	2,244632E+22	2,104235E+22	2,104242E+22	2,244642E+22	2,421138E+22
-729	2,527397E+22	2,534929E+22	2,500798E+22	2,500841E+22	2,535003E+22	2,527443E+22	2,421158E+22	2,244649E+22	2,104255E+22	2,104261E+22	2,244661E+22	2,421164E+22
-728	2,527459E+22	2,535062E+22	2,500946E+22	2,500940E+22	2,535067E+22	2,527486E+22	2,421176E+22	2,244638E+22	2,104232E+22	2,104255E+22	2,244692E+22	2,421231E+22
-727	2,527510E+22	2,535064E+22	2,500927E+22	2,500900E+22	2,535012E+22	2,527462E+22	2,421194E+22	2,244679E+22	2,104272E+22	2,104264E+22	2,244648E+22	2,421140E+22
-726	2,527404E+22	2,534960E+22	2,500869E+22	2,500899E+22	2,535023E+22	2,527460E+22	2,421199E+22	2,244711E+22	2,104320E+22	2,104301E+22	2,244669E+22	2,421178E+22
-725	2,527518E+22	2,535139E+22	2,501012E+22	2,500994E+22	2,535087E+22	2,527480E+22	2,421183E+22	2,244693E+22	2,104331E+22	2,104349E+22	2,244717E+22	2,421177E+22
-724	2,527438E+22	2,535024E+22	2,500911E+22	2,500901E+22	2,535024E+22	2,527471E+22	2,421221E+22	2,244751E+22	2,104379E+22	2,104364E+22	2,244704E+22	2,421143E+22
-723	2,527382E+22	2,534974E+22	2,500924E+22	2,500969E+22	2,535086E+22	2,527491E+22	2,421211E+22	2,244737E+22	2,104376E+22	2,104377E+22	2,244746E+22	2,421236E+22
-722	2,527527E+22	2,535110E+22	2,500998E+22	2,501000E+22	2,535088E+22	2,527482E+22	2,421198E+22	2,244719E+22	2,104363E+22	2,104381E+22	2,244756E+22	2,421214E+22
-721	2,527438E+22	2,534970E+22	2,500839E+22	2,500863E+22	2,535016E+22	2,527471E+22	2,421222E+22	2,244751E+22	2,104379E+22	2,104370E+22	2,244728E+22	2,421195E+22
-720	2,527469E+22	2,535075E+22	2,500974E+22	2,500953E+22	2,535051E+22	2,527481E+22	2,421219E+22	2,244732E+22	2,104349E+22	2,104346E+22	2,244728E+22	2,421238E+22
-719	2,527537E+22	2,535119E+22	2,500993E+22	2,500955E+22	2,535021E+22	2,527439E+22	2,421189E+22	2,244721E+22	2,104350E+22	2,104341E+22	2,244689E+22	2,421140E+22
-718	2,527395E+22	2,534970E+22	2,500876E+22	2,500910E+22	2,535028E+22	2,527438E+22	2,421170E+22	2,244702E+22	2,104335E+22	2,104327E+22	2,244688E+22	2,421167E+22
-717	2,527473E+22	2,535104E+22	2,500999E+22	2,500995E+22	2,535101E+22	2,527489E+22	2,421165E+22	2,244648E+22	2,104279E+22	2,104310E+22	2,244713E+22	2,421203E+22
-716	2,527452E+22	2,535012E+22	2,500894E+22	2,500891E+22	2,535020E+22	2,527475E+22	2,421209E+22	2,244692E+22	2,104282E+22	2,104270E+22	2,244651E+22	2,421139E+22
-715	2,527390E+22	2,534937E+22	2,500842E+22	2,500895E+22	2,535041E+22	2,527476E+22	2,421200E+22	2,244687E+22	2,104273E+22	2,104255E+22	2,244648E+22	2,421180E+22
-714	2,527515E+22	2,535112E+22	2,500963E+22	2,500949E+22	2,535056E+22	2,527467E+22	2,421176E+22	2,244661E+22	2,104263E+22	2,104266E+22	2,244666E+22	2,421164E+22
-713	2,527425E+22	2,534979E+22	2,500828E+22	2,500819E+22	2,534969E+22	2,527437E+22	2,421184E+22	2,244689E+22	2,104290E+22	2,104276E+22	2,244649E+22	2,421130E+22
-712	2,527403E+22	2,535006E+22	2,500919E+22	2,500918E+22	2,535023E+22	2,527450E+22	2,421177E+22	2,244672E+22	2,104276E+22	2,104278E+22	2,244678E+22	2,421203E+22
-711	2,527505E+22	2,535081E+22	2,500962E+22	2,500954E+22	2,535040E+22	2,527444E+22	2,421158E+22	2,244659E+22	2,104281E+22	2,104296E+22	2,244685E+22	2,421158E+22
-710	2,527400E+22	2,534940E+22	2,500816E+22	2,500861E+22	2,535013E+22	2,527444E+22	2,421168E+22	2,244675E+22	2,104293E+22	2,104294E+22	2,244681E+22	2,421174E+22
-709	2,527471E+22	2,535084E+22	2,500969E+22	2,500961E+22	2,535079E+22	2,527491E+22	2,421186E+22	2,244672E+22	2,104294E+22	2,104313E+22	2,244713E+22	2,421224E+22
-708	2,527500E+22	2,535070E+22	2,500944E+22	2,500914E+22	2,535013E+22	2,527463E+22	2,421218E+22	2,244736E+22	2,104351E+22	2,104335E+22	2,244683E+22	2,421141E+22
-707	2,527395E+22	2,534967E+22	2,500884E+22	2,500926E+22	2,535038E+22	2,527454E+22	2,421207E+22	2,244754E+22	2,104391E+22	2,104371E+22	2,244708E+22	2,421171E+22
-706	2,527484E+22	2,535130E+22	2,501038E+22	2,501035E+22	2,535112E+22	2,527483E+22	2,421190E+22	2,244729E+22	2,104394E+22	2,104412E+22	2,244773E+22	2,421216E+22
-705	2,527439E+22	2,535003E+22	2,500896E+22	2,500904E+22	2,535029E+22	2,527468E+22	2,421219E+22	2,244769E+22	2,104427E+22	2,104427E+22	2,244760E+22	2,421185E+22
-704	2,527412E+22	2,534993E+22	2,500926E+22	2,500954E+22	2,535062E+22	2,527487E+22	2,421238E+22	2,244777E+22	2,104418E+22	2,104414E+22	2,244770E+22	2,421250E+22
-703	2,527542E+22	2,535134E+22	2,501019E+22	2,501005E+22	2,535076E+22	2,527473E+22	2,421214E+22	2,244762E+22	2,104418E+22	2,104421E+22	2,244769E+22	2,421210E+22
-702	2,527445E+22	2,535011E+22	2,500886E+22	2,500883E+22	2,535001E+22	2,527438E+22	2,421207E+22	2,244772E+22	2,104423E+22	2,104405E+22	2,244733E+22	2,421178E+22
-701	2,527457E+22	2,535098E+22	2,501026E+22	2,501006E+22	2,535074E+22	2,527467E+22	2,421195E+22	2,244738E+22	2,104399E+22	2,104406E+22	2,244755E+22	2,421224E+22
-700	2,527503E+22	2,535099E+22	2,501004E+22	2,500991E+22	2,535056E+22	2,527455E+22	2,421197E+22	2,244742E+22	2,104394E+22	2,104394E+22	2,244729E+22	2,421152E+22
-699	2,527383E+22	2,534951E+22	2,500864E+22	2,500927E+22	2,535063E+22	2,527468E+22	2,421196E+22	2,244729E+22	2,104369E+22	2,104362E+22	2,244713E+22	2,421173E+22
-698	2,527459E+22	2,535095E+22	2,501005E+22	2,501010E+22	2,535118E+22	2,527509E+22	2,421200E+22	2,244697E+22	2,104326E+22	2,104339E+22	2,244734E+22	2,421231E+22
-697	2,527467E+22	2,535009E+22	2,500878E+22	2,500870E+22	2,535001E+22	2,527462E+22	2,421218E+22	2,244734E+22	2,104345E+22	2,104324E+22	2,244679E+22	2,421150E+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	2,527406E+22	2,534968E+22	2,500864E+22	2,500883E+22	2,535004E+22	2,527452E+22	2,421217E+22	2,244735E+22	2,104338E+22	2,104314E+22	2,244676E+22	2,421175E+22
-695	2,527498E+22	2,535117E+22	2,500996E+22	2,500979E+22	2,535053E+22	2,527441E+22	2,421166E+22	2,244691E+22	2,104326E+22	2,104335E+22	2,244710E+22	2,421171E+22
-694	2,527410E+22	2,534983E+22	2,500852E+22	2,500847E+22	2,534979E+22	2,527415E+22	2,421155E+22	2,244686E+22	2,104324E+22	2,104326E+22	2,244692E+22	2,421153E+22
-693	2,527405E+22	2,535012E+22	2,500940E+22	2,500950E+22	2,535051E+22	2,527457E+22	2,421164E+22	2,244669E+22	2,104309E+22	2,104329E+22	2,244717E+22	2,421224E+22
-692	2,527511E+22	2,535079E+22	2,500961E+22	2,500960E+22	2,535051E+22	2,527459E+22	2,421184E+22	2,244696E+22	2,104324E+22	2,104334E+22	2,244708E+22	2,421174E+22
-691	2,527421E+22	2,534964E+22	2,500828E+22	2,500872E+22	2,535023E+22	2,527452E+22	2,421194E+22	2,244725E+22	2,104350E+22	2,104331E+22	2,244683E+22	2,421156E+22
-690	2,527455E+22	2,535105E+22	2,501017E+22	2,501000E+22	2,535090E+22	2,527489E+22	2,421207E+22	2,244731E+22	2,104368E+22	2,104364E+22	2,244733E+22	2,421222E+22
-689	2,527482E+22	2,535062E+22	2,500959E+22	2,500941E+22	2,535024E+22	2,527450E+22	2,421215E+22	2,244776E+22	2,104430E+22	2,104417E+22	2,244733E+22	2,421150E+22
-688	2,527385E+22	2,534970E+22	2,500900E+22	2,500937E+22	2,535041E+22	2,527462E+22	2,421230E+22	2,244795E+22	2,104453E+22	2,104442E+22	2,244760E+22	2,421189E+22
-687	2,527467E+22	2,535110E+22	2,501043E+22	2,501050E+22	2,535124E+22	2,527496E+22	2,421215E+22	2,244771E+22	2,104453E+22	2,104475E+22	2,244820E+22	2,421243E+22
-686	2,527452E+22	2,535018E+22	2,500908E+22	2,500905E+22	2,535020E+22	2,527455E+22	2,421221E+22	2,244796E+22	2,104472E+22	2,104469E+22	2,244787E+22	2,421205E+22
-685	2,527437E+22	2,535029E+22	2,500958E+22	2,500968E+22	2,535058E+22	2,527470E+22	2,421225E+22	2,244799E+22	2,104477E+22	2,104473E+22	2,244792E+22	2,421246E+22
-684	2,527539E+22	2,535150E+22	2,501048E+22	2,501022E+22	2,535073E+22	2,527462E+22	2,421219E+22	2,244800E+22	2,104480E+22	2,104481E+22	2,244798E+22	2,421208E+22
-683	2,527439E+22	2,535020E+22	2,500915E+22	2,500927E+22	2,535028E+22	2,527432E+22	2,421200E+22	2,244793E+22	2,104470E+22	2,104454E+22	2,244757E+22	2,421169E+22
-682	2,527424E+22	2,535083E+22	2,501050E+22	2,501052E+22	2,535115E+22	2,527485E+22	2,421203E+22	2,244759E+22	2,104435E+22	2,104443E+22	2,244789E+22	2,421252E+22
-681	2,527498E+22	2,535071E+22	2,500985E+22	2,500992E+22	2,535073E+22	2,527471E+22	2,421209E+22	2,244763E+22	2,104430E+22	2,104438E+22	2,244766E+22	2,421180E+22
-680	2,527404E+22	2,534964E+22	2,500859E+22	2,500898E+22	2,535036E+22	2,527473E+22	2,421233E+22	2,244773E+22	2,104409E+22	2,104392E+22	2,244727E+22	2,421175E+22
-679	2,527455E+22	2,535096E+22	2,501013E+22	2,501003E+22	2,535100E+22	2,527499E+22	2,421218E+22	2,244746E+22	2,104388E+22	2,104386E+22	2,244748E+22	2,421221E+22
-678	2,527465E+22	2,535036E+22	2,500911E+22	2,500879E+22	2,534979E+22	2,527423E+22	2,421195E+22	2,244752E+22	2,104396E+22	2,104376E+22	2,244701E+22	2,421146E+22
-677	2,527399E+22	2,534983E+22	2,500903E+22	2,500921E+22	2,535015E+22	2,527424E+22	2,421177E+22	2,244735E+22	2,104391E+22	2,104382E+22	2,244716E+22	2,421179E+22
-676	2,527480E+22	2,535103E+22	2,501004E+22	2,501002E+22	2,535077E+22	2,527451E+22	2,421169E+22	2,244708E+22	2,104368E+22	2,104390E+22	2,244757E+22	2,421200E+22
-675	2,527420E+22	2,534980E+22	2,500859E+22	2,500872E+22	2,535009E+22	2,527433E+22	2,421171E+22	2,244709E+22	2,104354E+22	2,104355E+22	2,244712E+22	2,421164E+22
-674	2,527407E+22	2,535020E+22	2,500964E+22	2,500977E+22	2,535075E+22	2,527479E+22	2,421196E+22	2,244716E+22	2,104353E+22	2,104354E+22	2,244730E+22	2,421241E+22
-673	2,527524E+22	2,535090E+22	2,500969E+22	2,500960E+22	2,535050E+22	2,527460E+22	2,421203E+22	2,244746E+22	2,104396E+22	2,104394E+22	2,244730E+22	2,421171E+22
-672	2,527424E+22	2,534995E+22	2,500866E+22	2,500875E+22	2,535001E+22	2,527445E+22	2,421225E+22	2,244787E+22	2,104432E+22	2,104405E+22	2,244714E+22	2,421140E+22
-671	2,527418E+22	2,535089E+22	2,501045E+22	2,501038E+22	2,535106E+22	2,527483E+22	2,421214E+22	2,244781E+22	2,104456E+22	2,104454E+22	2,244785E+22	2,421225E+22
-670	2,527463E+22	2,535055E+22	2,500971E+22	2,500960E+22	2,535034E+22	2,527438E+22	2,421200E+22	2,244791E+22	2,104487E+22	2,104490E+22	2,244792E+22	2,421183E+22
-669	2,527394E+22	2,534972E+22	2,500912E+22	2,500951E+22	2,535051E+22	2,527458E+22	2,421219E+22	2,244809E+22	2,104505E+22	2,104507E+22	2,244809E+22	2,421221E+22
-668	2,527485E+22	2,535115E+22	2,501043E+22	2,501044E+22	2,535116E+22	2,527495E+22	2,421233E+22	2,244811E+22	2,104505E+22	2,104522E+22	2,244853E+22	2,421267E+22
-667	2,527481E+22	2,535047E+22	2,500936E+22	2,500924E+22	2,535019E+22	2,527442E+22	2,421225E+22	2,244829E+22	2,104520E+22	2,104506E+22	2,244794E+22	2,421193E+22
-666	2,527432E+22	2,535058E+22	2,501019E+22	2,501021E+22	2,535077E+22	2,527465E+22	2,421227E+22	2,244829E+22	2,104526E+22	2,104513E+22	2,244812E+22	2,421247E+22
-665	2,527526E+22	2,535146E+22	2,501067E+22	2,501053E+22	2,535097E+22	2,527460E+22	2,421210E+22	2,244817E+22	2,104531E+22	2,104541E+22	2,244834E+22	2,421211E+22
-664	2,527426E+22	2,535019E+22	2,500931E+22	2,500937E+22	2,535042E+22	2,527460E+22	2,421232E+22	2,244823E+22	2,104511E+22	2,104499E+22	2,244788E+22	2,421173E+22
-663	2,527401E+22	2,535052E+22	2,501047E+22	2,501066E+22	2,535134E+22	2,527510E+22	2,421237E+22	2,244803E+22	2,104484E+22	2,104485E+22	2,244811E+22	2,421255E+22
-662	2,527501E+22	2,535071E+22	2,500978E+22	2,500977E+22	2,535058E+22	2,527461E+22	2,421217E+22	2,244794E+22	2,104475E+22	2,104475E+22	2,244783E+22	2,421188E+22
-661	2,527418E+22	2,534985E+22	2,500878E+22	2,500894E+22	2,535017E+22	2,527451E+22	2,421222E+22	2,244801E+22	2,104472E+22	2,104451E+22	2,244750E+22	2,421172E+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	2,527450E+22	2,535100E+22	2,501029E+22	2,501004E+22	2,535079E+22	2,527475E+22	2,421217E+22	2,244780E+22	2,104450E+22	2,104452E+22	2,244788E+22	2,421229E+22
-659	2,527463E+22	2,535036E+22	2,500936E+22	2,500915E+22	2,534993E+22	2,527403E+22	2,421173E+22	2,244760E+22	2,104437E+22	2,104429E+22	2,244737E+22	2,421153E+22
-658	2,527387E+22	2,534980E+22	2,500932E+22	2,500964E+22	2,535051E+22	2,527437E+22	2,421172E+22	2,244739E+22	2,104414E+22	2,104417E+22	2,244755E+22	2,421214E+22
-657	2,527491E+22	2,535093E+22	2,500997E+22	2,501005E+22	2,535090E+22	2,527463E+22	2,421179E+22	2,244726E+22	2,104402E+22	2,104428E+22	2,244785E+22	2,421222E+22
-656	2,527448E+22	2,535010E+22	2,500879E+22	2,500864E+22	2,534996E+22	2,527448E+22	2,421213E+22	2,244758E+22	2,104401E+22	2,104387E+22	2,244717E+22	2,421154E+22
-655	2,527399E+22	2,535027E+22	2,500994E+22	2,500997E+22	2,535076E+22	2,527482E+22	2,421225E+22	2,244779E+22	2,104432E+22	2,104412E+22	2,244738E+22	2,421211E+22
-654	2,527508E+22	2,535109E+22	2,501008E+22	2,500987E+22	2,535047E+22	2,527439E+22	2,421197E+22	2,244782E+22	2,104469E+22	2,104467E+22	2,244766E+22	2,421163E+22
-653	2,527405E+22	2,534997E+22	2,500902E+22	2,500914E+22	2,535020E+22	2,527433E+22	2,421205E+22	2,244810E+22	2,104510E+22	2,104496E+22	2,244772E+22	2,421150E+22
-652	2,527396E+22	2,535060E+22	2,501040E+22	2,501049E+22	2,535124E+22	2,527500E+22	2,421232E+22	2,244817E+22	2,104520E+22	2,104533E+22	2,244851E+22	2,421264E+22
-651	2,527477E+22	2,535047E+22	2,500973E+22	2,500978E+22	2,535049E+22	2,527445E+22	2,421213E+22	2,244822E+22	2,104534E+22	2,104541E+22	2,244831E+22	2,421210E+22
-650	2,527415E+22	2,534988E+22	2,500932E+22	2,500970E+22	2,535061E+22	2,527463E+22	2,421234E+22	2,244845E+22	2,104550E+22	2,104543E+22	2,244837E+22	2,421249E+22
-649	2,527511E+22	2,535137E+22	2,501060E+22	2,501045E+22	2,535105E+22	2,527483E+22	2,421238E+22	2,244848E+22	2,104567E+22	2,104580E+22	2,244880E+22	2,421271E+22
-648	2,527495E+22	2,535087E+22	2,500988E+22	2,500941E+22	2,535003E+22	2,527432E+22	2,421239E+22	2,244865E+22	2,104576E+22	2,104559E+22	2,244817E+22	2,421176E+22
-647	2,527398E+22	2,535043E+22	2,501048E+22	2,501067E+22	2,535106E+22	2,527469E+22	2,421232E+22	2,244860E+22	2,104584E+22	2,104574E+22	2,244841E+22	2,421235E+22
-646	2,527507E+22	2,535138E+22	2,501073E+22	2,501071E+22	2,535116E+22	2,527469E+22	2,421207E+22	2,244823E+22	2,104563E+22	2,104587E+22	2,244870E+22	2,421228E+22
-645	2,527429E+22	2,535016E+22	2,500933E+22	2,500940E+22	2,535045E+22	2,527463E+22	2,421234E+22	2,244845E+22	2,104556E+22	2,104543E+22	2,244813E+22	2,421184E+22
-644	2,527406E+22	2,535041E+22	2,501029E+22	2,501045E+22	2,535117E+22	2,527512E+22	2,421264E+22	2,244851E+22	2,104539E+22	2,104527E+22	2,244832E+22	2,421263E+22
-643	2,527513E+22	2,535085E+22	2,500996E+22	2,500987E+22	2,535040E+22	2,527435E+22	2,421215E+22	2,244826E+22	2,104526E+22	2,104516E+22	2,244794E+22	2,421175E+22
-642	2,527409E+22	2,535001E+22	2,500923E+22	2,500935E+22	2,535023E+22	2,527431E+22	2,421209E+22	2,244819E+22	2,104513E+22	2,104496E+22	2,244783E+22	2,421181E+22
-641	2,527442E+22	2,535095E+22	2,501041E+22	2,501025E+22	2,535089E+22	2,527464E+22	2,421199E+22	2,244787E+22	2,104493E+22	2,104511E+22	2,244834E+22	2,421246E+22
-640	2,527466E+22	2,535047E+22	2,500958E+22	2,500926E+22	2,535001E+22	2,527425E+22	2,421196E+22	2,244777E+22	2,104466E+22	2,104467E+22	2,244768E+22	2,421163E+22
-639	2,527379E+22	2,534967E+22	2,500944E+22	2,500991E+22	2,535076E+22	2,527463E+22	2,421204E+22	2,244780E+22	2,104461E+22	2,104455E+22	2,244768E+22	2,421210E+22
-638	2,527503E+22	2,535112E+22	2,501008E+22	2,501007E+22	2,535090E+22	2,527466E+22	2,421191E+22	2,244762E+22	2,104454E+22	2,104471E+22	2,244800E+22	2,421218E+22
-637	2,527454E+22	2,535036E+22	2,500915E+22	2,500882E+22	2,534992E+22	2,527437E+22	2,421216E+22	2,244804E+22	2,104484E+22	2,104458E+22	2,244744E+22	2,421142E+22
-636	2,527379E+22	2,535017E+22	2,501009E+22	2,501016E+22	2,535076E+22	2,527474E+22	2,421241E+22	2,244834E+22	2,104517E+22	2,104499E+22	2,244792E+22	2,421217E+22
-635	2,527487E+22	2,535088E+22	2,501024E+22	2,501028E+22	2,535067E+22	2,527431E+22	2,421189E+22	2,244808E+22	2,104532E+22	2,104543E+22	2,244824E+22	2,421184E+22
-634	2,527396E+22	2,534987E+22	2,500919E+22	2,500947E+22	2,535047E+22	2,527448E+22	2,421212E+22	2,244828E+22	2,104548E+22	2,104552E+22	2,244835E+22	2,421202E+22
-633	2,527422E+22	2,535059E+22	2,501026E+22	2,501034E+22	2,535112E+22	2,527498E+22	2,421242E+22	2,244844E+22	2,104566E+22	2,104585E+22	2,244894E+22	2,421298E+22
-632	2,527518E+22	2,535090E+22	2,500998E+22	2,500965E+22	2,535024E+22	2,527445E+22	2,421240E+22	2,244863E+22	2,104583E+22	2,104578E+22	2,244844E+22	2,421206E+22
-631	2,527420E+22	2,535015E+22	2,500979E+22	2,501004E+22	2,535065E+22	2,527455E+22	2,421244E+22	2,244890E+22	2,104617E+22	2,104594E+22	2,244841E+22	2,421220E+22
-630	2,527503E+22	2,535164E+22	2,501102E+22	2,501081E+22	2,535109E+22	2,527463E+22	2,421222E+22	2,244866E+22	2,104620E+22	2,104636E+22	2,244905E+22	2,421259E+22
-629	2,527475E+22	2,535091E+22	2,501027E+22	2,500990E+22	2,535034E+22	2,527434E+22	2,421228E+22	2,244885E+22	2,104634E+22	2,104622E+22	2,244854E+22	2,421175E+22
-628	2,527371E+22	2,535010E+22	2,501039E+22	2,501081E+22	2,535127E+22	2,527498E+22	2,421264E+22	2,244899E+22	2,104635E+22	2,104628E+22	2,244883E+22	2,421250E+22
-627	2,527499E+22	2,535117E+22	2,501067E+22	2,501086E+22	2,535125E+22	2,527478E+22	2,421230E+22	2,244859E+22	2,104605E+22	2,104623E+22	2,244892E+22	2,421237E+22
-626	2,527435E+22	2,535023E+22	2,500943E+22	2,500948E+22	2,535045E+22	2,527466E+22	2,421252E+22	2,244881E+22	2,104598E+22	2,104581E+22	2,244841E+22	2,421200E+22
-625	2,527417E+22	2,535051E+22	2,501028E+22	2,501027E+22	2,535085E+22	2,527487E+22	2,421265E+22	2,244887E+22	2,104601E+22	2,104590E+22	2,244866E+22	2,421267E+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	2,527519E+22	2,535112E+22	2,501030E+22	2,500995E+22	2,535020E+22	2,527417E+22	2,421215E+22	2,244851E+22	2,104577E+22	2,104572E+22	2,244830E+22	2,421175E+22
-623	2,527387E+22	2,534990E+22	2,500946E+22	2,500979E+22	2,535049E+22	2,527429E+22	2,421199E+22	2,244832E+22	2,104557E+22	2,104550E+22	2,244817E+22	2,421187E+22
-622	2,527443E+22	2,535099E+22	2,501046E+22	2,501041E+22	2,535102E+22	2,527467E+22	2,421190E+22	2,244783E+22	2,104512E+22	2,104547E+22	2,244870E+22	2,421271E+22
-621	2,527484E+22	2,535062E+22	2,500977E+22	2,500944E+22	2,535008E+22	2,527428E+22	2,421201E+22	2,244801E+22	2,104505E+22	2,104499E+22	2,244785E+22	2,421168E+22
-620	2,527384E+22	2,534970E+22	2,500945E+22	2,500990E+22	2,535072E+22	2,527474E+22	2,421240E+22	2,244835E+22	2,104522E+22	2,104500E+22	2,244785E+22	2,421201E+22
-619	2,527496E+22	2,535124E+22	2,501042E+22	2,501040E+22	2,535090E+22	2,527456E+22	2,421201E+22	2,244805E+22	2,104518E+22	2,104524E+22	2,244816E+22	2,421200E+22
-618	2,527435E+22	2,535041E+22	2,500952E+22	2,500929E+22	2,535011E+22	2,527433E+22	2,421218E+22	2,244836E+22	2,104542E+22	2,104526E+22	2,244795E+22	2,421153E+22
-617	2,527363E+22	2,534999E+22	2,501001E+22	2,501026E+22	2,535085E+22	2,527476E+22	2,421245E+22	2,244864E+22	2,104583E+22	2,104579E+22	2,244858E+22	2,421248E+22
-616	2,527494E+22	2,535094E+22	2,501033E+22	2,501026E+22	2,535065E+22	2,527447E+22	2,421216E+22	2,244840E+22	2,104579E+22	2,104598E+22	2,244871E+22	2,421210E+22
-615	2,527400E+22	2,534982E+22	2,500927E+22	2,500965E+22	2,535055E+22	2,527455E+22	2,421235E+22	2,244873E+22	2,104606E+22	2,104601E+22	2,244857E+22	2,421211E+22
-614	2,527451E+22	2,535097E+22	2,501045E+22	2,501036E+22	2,535096E+22	2,527481E+22	2,421241E+22	2,244873E+22	2,104620E+22	2,104635E+22	2,244917E+22	2,421302E+22
-613	2,527533E+22	2,535135E+22	2,501053E+22	2,500996E+22	2,535015E+22	2,527417E+22	2,421229E+22	2,244900E+22	2,104656E+22	2,104641E+22	2,244866E+22	2,421191E+22
-612	2,527399E+22	2,535017E+22	2,501009E+22	2,501042E+22	2,535078E+22	2,527451E+22	2,421254E+22	2,244933E+22	2,104688E+22	2,104666E+22	2,244883E+22	2,421216E+22
-611	2,527472E+22	2,535146E+22	2,501127E+22	2,501134E+22	2,535143E+22	2,527467E+22	2,421219E+22	2,244884E+22	2,104668E+22	2,104691E+22	2,244942E+22	2,421267E+22
-610	2,527458E+22	2,535074E+22	2,501034E+22	2,501024E+22	2,535068E+22	2,527460E+22	2,421248E+22	2,244905E+22	2,104662E+22	2,104664E+22	2,244900E+22	2,421208E+22
-609	2,527380E+22	2,534997E+22	2,501010E+22	2,501059E+22	2,535116E+22	2,527503E+22	2,421290E+22	2,244941E+22	2,104684E+22	2,104675E+22	2,244917E+22	2,421271E+22
-608	2,527518E+22	2,535143E+22	2,501076E+22	2,501063E+22	2,535096E+22	2,527476E+22	2,421255E+22	2,244903E+22	2,104656E+22	2,104661E+22	2,244907E+22	2,421231E+22
-607	2,527428E+22	2,535036E+22	2,500974E+22	2,500972E+22	2,535038E+22	2,527447E+22	2,421254E+22	2,244919E+22	2,104660E+22	2,104635E+22	2,244856E+22	2,421184E+22
-606	2,527415E+22	2,535074E+22	2,501055E+22	2,501048E+22	2,535078E+22	2,527455E+22	2,421235E+22	2,244889E+22	2,104643E+22	2,104646E+22	2,244906E+22	2,421274E+22
-605	2,527512E+22	2,535123E+22	2,501061E+22	2,501033E+22	2,535040E+22	2,527408E+22	2,421195E+22	2,244859E+22	2,104618E+22	2,104621E+22	2,244867E+22	2,421189E+22
-604	2,527379E+22	2,534975E+22	2,500942E+22	2,500996E+22	2,535072E+22	2,527454E+22	2,421227E+22	2,244862E+22	2,104592E+22	2,104587E+22	2,244849E+22	2,421205E+22
-603	2,527444E+22	2,535091E+22	2,501053E+22	2,501065E+22	2,535116E+22	2,527477E+22	2,421212E+22	2,244817E+22	2,104546E+22	2,104569E+22	2,244877E+22	2,421273E+22
-602	2,527491E+22	2,535081E+22	2,501000E+22	2,500969E+22	2,535022E+22	2,527441E+22	2,421228E+22	2,244842E+22	2,104548E+22	2,104537E+22	2,244808E+22	2,421171E+22
-601	2,527383E+22	2,534981E+22	2,500950E+22	2,500984E+22	2,535049E+22	2,527458E+22	2,421254E+22	2,244886E+22	2,104597E+22	2,104572E+22	2,244822E+22	2,421196E+22
-600	2,527477E+22	2,535132E+22	2,501066E+22	2,501052E+22	2,535084E+22	2,527449E+22	2,421211E+22	2,244844E+22	2,104586E+22	2,104596E+22	2,244862E+22	2,421202E+22
-599	2,527406E+22	2,535021E+22	2,500965E+22	2,500967E+22	2,535038E+22	2,527437E+22	2,421218E+22	2,244865E+22	2,104606E+22	2,104598E+22	2,244842E+22	2,421172E+22
-598	2,527373E+22	2,535004E+22	2,500994E+22	2,501021E+22	2,535077E+22	2,527465E+22	2,421238E+22	2,244876E+22	2,104623E+22	2,104634E+22	2,244908E+22	2,421285E+22
-597	2,527522E+22	2,535121E+22	2,501052E+22	2,501035E+22	2,535054E+22	2,527428E+22	2,421217E+22	2,244877E+22	2,104635E+22	2,104642E+22	2,244896E+22	2,421226E+22
-596	2,527417E+22	2,535007E+22	2,500948E+22	2,500975E+22	2,535047E+22	2,527448E+22	2,421254E+22	2,244922E+22	2,104670E+22	2,104651E+22	2,244877E+22	2,421206E+22
-595	2,527445E+22	2,535118E+22	2,501100E+22	2,501088E+22	2,535102E+22	2,527461E+22	2,421236E+22	2,244904E+22	2,104677E+22	2,104686E+22	2,244934E+22	2,421285E+22
-594	2,527512E+22	2,535146E+22	2,501104E+22	2,501066E+22	2,535058E+22	2,527426E+22	2,421231E+22	2,244919E+22	2,104700E+22	2,104701E+22	2,244913E+22	2,421196E+22
-593	2,527375E+22	2,534999E+22	2,501005E+22	2,501059E+22	2,535102E+22	2,527471E+22	2,421271E+22	2,244966E+22	2,104747E+22	2,104736E+22	2,244936E+22	2,421234E+22
-592	2,527461E+22	2,535137E+22	2,501127E+22	2,501135E+22	2,535156E+22	2,527501E+22	2,421259E+22	2,244928E+22	2,104717E+22	2,104737E+22	2,244976E+22	2,421282E+22
-591	2,527454E+22	2,535061E+22	2,501028E+22	2,501033E+22	2,535080E+22	2,527474E+22	2,421280E+22	2,244961E+22	2,104727E+22	2,104712E+22	2,244916E+22	2,421213E+22
-590	2,527402E+22	2,535022E+22	2,501007E+22	2,501037E+22	2,535086E+22	2,527479E+22	2,421290E+22	2,244974E+22	2,104741E+22	2,104728E+22	2,244947E+22	2,421282E+22
-589	2,527529E+22	2,535175E+22	2,501114E+22	2,501078E+22	2,535071E+22	2,527432E+22	2,421239E+22	2,244937E+22	2,104722E+22	2,104720E+22	2,244939E+22	2,421233E+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	2,527413E+22	2,535034E+22	2,500993E+22	2,500998E+22	2,535043E+22	2,527431E+22	2,421246E+22	2,244942E+22	2,104713E+22	2,104696E+22	2,244902E+22	2,421198E+22
-587	2,527398E+22	2,535066E+22	2,501081E+22	2,501092E+22	2,535103E+22	2,527450E+22	2,421217E+22	2,244885E+22	2,104664E+22	2,104681E+22	2,244938E+22	2,421295E+22
-586	2,527517E+22	2,535125E+22	2,501075E+22	2,501063E+22	2,535070E+22	2,527428E+22	2,421206E+22	2,244861E+22	2,104623E+22	2,104641E+22	2,244895E+22	2,421212E+22
-585	2,527393E+22	2,534981E+22	2,500929E+22	2,500981E+22	2,535064E+22	2,527461E+22	2,421253E+22	2,244903E+22	2,104636E+22	2,104618E+22	2,244862E+22	2,421208E+22
-584	2,527450E+22	2,535119E+22	2,501075E+22	2,501061E+22	2,535104E+22	2,527481E+22	2,421238E+22	2,244866E+22	2,104602E+22	2,104603E+22	2,244875E+22	2,421247E+22
-583	2,527465E+22	2,535083E+22	2,501031E+22	2,501003E+22	2,535031E+22	2,527432E+22	2,421239E+22	2,244893E+22	2,104624E+22	2,104599E+22	2,244821E+22	2,421149E+22
-582	2,527366E+22	2,534985E+22	2,500962E+22	2,501000E+22	2,535050E+22	2,527438E+22	2,421240E+22	2,244907E+22	2,104658E+22	2,104647E+22	2,244877E+22	2,421212E+22
-581	2,527463E+22	2,535130E+22	2,501083E+22	2,501076E+22	2,535093E+22	2,527437E+22	2,421205E+22	2,244872E+22	2,104647E+22	2,104663E+22	2,244915E+22	2,421230E+22
-580	2,527400E+22	2,535007E+22	2,500960E+22	2,500975E+22	2,535048E+22	2,527447E+22	2,421242E+22	2,244905E+22	2,104662E+22	2,104658E+22	2,244890E+22	2,421203E+22
-579	2,527384E+22	2,535013E+22	2,501017E+22	2,501044E+22	2,535079E+22	2,527454E+22	2,421240E+22	2,244905E+22	2,104670E+22	2,104675E+22	2,244930E+22	2,421299E+22
-578	2,527541E+22	2,535156E+22	2,501092E+22	2,501067E+22	2,535067E+22	2,527430E+22	2,421227E+22	2,244906E+22	2,104682E+22	2,104693E+22	2,244927E+22	2,421231E+22
-577	2,527419E+22	2,535028E+22	2,500976E+22	2,500993E+22	2,535042E+22	2,527436E+22	2,421264E+22	2,244970E+22	2,104744E+22	2,104724E+22	2,244916E+22	2,421205E+22
-576	2,527426E+22	2,535125E+22	2,501133E+22	2,501123E+22	2,535126E+22	2,527471E+22	2,421247E+22	2,244940E+22	2,104739E+22	2,104749E+22	2,244971E+22	2,421284E+22
-575	2,527482E+22	2,535122E+22	2,501116E+22	2,501110E+22	2,535105E+22	2,527454E+22	2,421251E+22	2,244956E+22	2,104761E+22	2,104763E+22	2,244948E+22	2,421212E+22
-574	2,527384E+22	2,534998E+22	2,500990E+22	2,501045E+22	2,535099E+22	2,527477E+22	2,421286E+22	2,244993E+22	2,104791E+22	2,104788E+22	2,244980E+22	2,421263E+22
-573	2,527476E+22	2,535151E+22	2,501135E+22	2,501128E+22	2,535138E+22	2,527483E+22	2,421273E+22	2,244979E+22	2,104779E+22	2,104781E+22	2,244996E+22	2,421292E+22
-572	2,527463E+22	2,535077E+22	2,501040E+22	2,501030E+22	2,535061E+22	2,527457E+22	2,421293E+22	2,245011E+22	2,104797E+22	2,104769E+22	2,244941E+22	2,421213E+22
-571	2,527395E+22	2,535036E+22	2,501051E+22	2,501070E+22	2,535075E+22	2,527439E+22	2,421265E+22	2,244990E+22	2,104790E+22	2,104777E+22	2,244970E+22	2,421279E+22
-570	2,527520E+22	2,535185E+22	2,501154E+22	2,501128E+22	2,535103E+22	2,527430E+22	2,421223E+22	2,244934E+22	2,104746E+22	2,104769E+22	2,244984E+22	2,421249E+22
-569	2,527406E+22	2,535028E+22	2,500997E+22	2,501008E+22	2,535056E+22	2,527439E+22	2,421251E+22	2,244956E+22	2,104744E+22	2,104738E+22	2,244938E+22	2,421217E+22
-568	2,527397E+22	2,535065E+22	2,501085E+22	2,501096E+22	2,535119E+22	2,527478E+22	2,421245E+22	2,244912E+22	2,104690E+22	2,104700E+22	2,244945E+22	2,421296E+22
-567	2,527513E+22	2,535123E+22	2,501083E+22	2,501084E+22	2,535096E+22	2,527449E+22	2,421236E+22	2,244909E+22	2,104676E+22	2,104671E+22	2,244888E+22	2,421200E+22
-566	2,527405E+22	2,535005E+22	2,500935E+22	2,500965E+22	2,535043E+22	2,527446E+22	2,421259E+22	2,244941E+22	2,104697E+22	2,104674E+22	2,244884E+22	2,421201E+22
-565	2,527436E+22	2,535129E+22	2,501109E+22	2,501081E+22	2,535091E+22	2,527447E+22	2,421236E+22	2,244917E+22	2,104682E+22	2,104672E+22	2,244909E+22	2,421241E+22
-564	2,527435E+22	2,535063E+22	2,501039E+22	2,501027E+22	2,535045E+22	2,527424E+22	2,421237E+22	2,244928E+22	2,104697E+22	2,104680E+22	2,244881E+22	2,421171E+22
-563	2,527346E+22	2,534965E+22	2,500975E+22	2,501025E+22	2,535063E+22	2,527429E+22	2,421225E+22	2,244914E+22	2,104696E+22	2,104701E+22	2,244927E+22	2,421250E+22
-562	2,527481E+22	2,535133E+22	2,501094E+22	2,501092E+22	2,535109E+22	2,527449E+22	2,421214E+22	2,244881E+22	2,104669E+22	2,104704E+22	2,244962E+22	2,421267E+22
-561	2,527430E+22	2,535027E+22	2,500963E+22	2,500963E+22	2,535031E+22	2,527441E+22	2,421258E+22	2,244946E+22	2,104716E+22	2,104704E+22	2,244915E+22	2,421215E+22
-560	2,527403E+22	2,535055E+22	2,501057E+22	2,501057E+22	2,535079E+22	2,527455E+22	2,421253E+22	2,244946E+22	2,104729E+22	2,104719E+22	2,244936E+22	2,421281E+22
-559	2,527527E+22	2,535171E+22	2,501141E+22	2,501124E+22	2,535100E+22	2,527433E+22	2,421236E+22	2,244951E+22	2,104756E+22	2,104755E+22	2,244940E+22	2,421213E+22
-558	2,527408E+22	2,535036E+22	2,500998E+22	2,501020E+22	2,535062E+22	2,527436E+22	2,421263E+22	2,244997E+22	2,104808E+22	2,104797E+22	2,244967E+22	2,421218E+22
-557	2,527408E+22	2,535115E+22	2,501152E+22	2,501152E+22	2,535145E+22	2,527477E+22	2,421267E+22	2,244989E+22	2,104805E+22	2,104810E+22	2,245012E+22	2,421300E+22
-556	2,527471E+22	2,535099E+22	2,501104E+22	2,501112E+22	2,535116E+22	2,527474E+22	2,421290E+22	2,245015E+22	2,104829E+22	2,104825E+22	2,244990E+22	2,421233E+22
-555	2,527387E+22	2,535002E+22	2,501005E+22	2,501049E+22	2,535087E+22	2,527464E+22	2,421294E+22	2,245031E+22	2,104848E+22	2,104836E+22	2,245006E+22	2,421277E+22
-554	2,527494E+22	2,535178E+22	2,501165E+22	2,501137E+22	2,535127E+22	2,527468E+22	2,421272E+22	2,245000E+22	2,104826E+22	2,104839E+22	2,245032E+22	2,421297E+22
-553	2,527463E+22	2,535091E+22	2,501063E+22	2,501037E+22	2,535041E+22	2,527426E+22	2,421282E+22	2,245040E+22	2,104859E+22	2,104838E+22	2,244984E+22	2,421221E+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	2,527386E+22	2,535043E+22	2,501080E+22	2,501102E+22	2,535097E+22	2,527436E+22	2,421246E+22	2,244994E+22	2,104826E+22	2,104823E+22	2,245000E+22	2,421286E+22
-551	2,527505E+22	2,535169E+22	2,501164E+22	2,501165E+22	2,535145E+22	2,527451E+22	2,421228E+22	2,244946E+22	2,104776E+22	2,104800E+22	2,244998E+22	2,421261E+22
-550	2,527424E+22	2,535035E+22	2,500992E+22	2,500999E+22	2,535056E+22	2,527446E+22	2,421263E+22	2,244973E+22	2,104769E+22	2,104764E+22	2,244957E+22	2,421231E+22
-549	2,527409E+22	2,535081E+22	2,501104E+22	2,501100E+22	2,535106E+22	2,527466E+22	2,421265E+22	2,244964E+22	2,104742E+22	2,104726E+22	2,244941E+22	2,421279E+22
-548	2,527501E+22	2,535127E+22	2,501100E+22	2,501092E+22	2,535092E+22	2,527447E+22	2,421257E+22	2,244961E+22	2,104747E+22	2,104729E+22	2,244906E+22	2,421182E+22
-547	2,527375E+22	2,535003E+22	2,500976E+22	2,500996E+22	2,535043E+22	2,527421E+22	2,421244E+22	2,244963E+22	2,104754E+22	2,104736E+22	2,244919E+22	2,421200E+22
-546	2,527418E+22	2,535117E+22	2,501127E+22	2,501114E+22	2,535120E+22	2,527455E+22	2,421229E+22	2,244921E+22	2,104721E+22	2,104740E+22	2,244969E+22	2,421266E+22
-545	2,527430E+22	2,535047E+22	2,501030E+22	2,501024E+22	2,535049E+22	2,527432E+22	2,421251E+22	2,244957E+22	2,104748E+22	2,104743E+22	2,244937E+22	2,421210E+22
-544	2,527364E+22	2,534970E+22	2,500979E+22	2,501027E+22	2,535072E+22	2,527441E+22	2,421241E+22	2,244945E+22	2,104739E+22	2,104738E+22	2,244949E+22	2,421268E+22
-543	2,527500E+22	2,535150E+22	2,501115E+22	2,501112E+22	2,535125E+22	2,527459E+22	2,421237E+22	2,244930E+22	2,104730E+22	2,104746E+22	2,244967E+22	2,421268E+22
-542	2,527458E+22	2,535069E+22	2,500998E+22	2,500965E+22	2,535013E+22	2,527422E+22	2,421260E+22	2,244983E+22	2,104781E+22	2,104767E+22	2,244945E+22	2,421212E+22
-541	2,527395E+22	2,535076E+22	2,501111E+22	2,501100E+22	2,535081E+22	2,527431E+22	2,421256E+22	2,244999E+22	2,104807E+22	2,104788E+22	2,244967E+22	2,421270E+22
-540	2,527496E+22	2,535156E+22	2,501161E+22	2,501164E+22	2,535138E+22	2,527449E+22	2,421247E+22	2,244992E+22	2,104831E+22	2,104836E+22	2,244995E+22	2,421226E+22
-539	2,527384E+22	2,535017E+22	2,501015E+22	2,501042E+22	2,535078E+22	2,527443E+22	2,421267E+22	2,245017E+22	2,104855E+22	2,104854E+22	2,245012E+22	2,421246E+22
-538	2,527418E+22	2,535108E+22	2,501153E+22	2,501160E+22	2,535157E+22	2,527493E+22	2,421288E+22	2,245015E+22	2,104846E+22	2,104863E+22	2,245054E+22	2,421323E+22
-537	2,527489E+22	2,535112E+22	2,501105E+22	2,501092E+22	2,535087E+22	2,527458E+22	2,421305E+22	2,245066E+22	2,104897E+22	2,104882E+22	2,245020E+22	2,421243E+22
-536	2,527398E+22	2,535028E+22	2,501035E+22	2,501056E+22	2,535075E+22	2,527444E+22	2,421287E+22	2,245063E+22	2,104905E+22	2,104886E+22	2,245021E+22	2,421266E+22
-535	2,527482E+22	2,535187E+22	2,501204E+22	2,501184E+22	2,535150E+22	2,527461E+22	2,421264E+22	2,245024E+22	2,104881E+22	2,104893E+22	2,245052E+22	2,421295E+22
-534	2,527464E+22	2,535099E+22	2,501083E+22	2,501056E+22	2,535052E+22	2,527419E+22	2,421265E+22	2,245039E+22	2,104893E+22	2,104890E+22	2,245028E+22	2,421239E+22
-533	2,527382E+22	2,535041E+22	2,501101E+22	2,501128E+22	2,535112E+22	2,527441E+22	2,421260E+22	2,245023E+22	2,104860E+22	2,104853E+22	2,245019E+22	2,421292E+22
-532	2,527502E+22	2,535156E+22	2,501159E+22	2,501175E+22	2,535166E+22	2,527477E+22	2,421261E+22	2,244990E+22	2,104824E+22	2,104837E+22	2,245015E+22	2,421262E+22
-531	2,527418E+22	2,535041E+22	2,501013E+22	2,501004E+22	2,535050E+22	2,527443E+22	2,421274E+22	2,245006E+22	2,104815E+22	2,104798E+22	2,244966E+22	2,421226E+22
-530	2,527410E+22	2,535089E+22	2,501128E+22	2,501114E+22	2,535105E+22	2,527464E+22	2,421275E+22	2,244991E+22	2,104793E+22	2,104787E+22	2,244974E+22	2,421269E+22
-529	2,527481E+22	2,535119E+22	2,501112E+22	2,501098E+22	2,535077E+22	2,527427E+22	2,421258E+22	2,245001E+22	2,104818E+22	2,104806E+22	2,244959E+22	2,421194E+22
-528	2,527362E+22	2,534992E+22	2,500983E+22	2,501014E+22	2,535061E+22	2,527424E+22	2,421233E+22	2,244975E+22	2,104800E+22	2,104795E+22	2,244965E+22	2,421223E+22
-527	2,527419E+22	2,535105E+22	2,501127E+22	2,501130E+22	2,535142E+22	2,527472E+22	2,421240E+22	2,244942E+22	2,104761E+22	2,104783E+22	2,244998E+22	2,421295E+22
-526	2,527470E+22	2,535067E+22	2,501030E+22	2,501007E+22	2,535030E+22	2,527422E+22	2,421254E+22	2,244979E+22	2,104786E+22	2,104785E+22	2,244969E+22	2,421234E+22
-525	2,527395E+22	2,535009E+22	2,501019E+22	2,501042E+22	2,535053E+22	2,527417E+22	2,421251E+22	2,244996E+22	2,104797E+22	2,104775E+22	2,244953E+22	2,421255E+22
-524	2,527497E+22	2,535170E+22	2,501154E+22	2,501143E+22	2,535132E+22	2,527454E+22	2,421248E+22	2,244980E+22	2,104806E+22	2,104812E+22	2,244989E+22	2,421247E+22
-523	2,527428E+22	2,535078E+22	2,501059E+22	2,501022E+22	2,535032E+22	2,527411E+22	2,421250E+22	2,245007E+22	2,104840E+22	2,104833E+22	2,244982E+22	2,421210E+22
-522	2,527375E+22	2,535064E+22	2,501137E+22	2,501146E+22	2,535123E+22	2,527454E+22	2,421264E+22	2,245012E+22	2,104855E+22	2,104861E+22	2,245022E+22	2,421278E+22
-521	2,527475E+22	2,535131E+22	2,501154E+22	2,501166E+22	2,535146E+22	2,527469E+22	2,421279E+22	2,245039E+22	2,104897E+22	2,104907E+22	2,245049E+22	2,421255E+22
-520	2,527392E+22	2,535012E+22	2,501011E+22	2,501045E+22	2,535090E+22	2,527458E+22	2,421288E+22	2,245062E+22	2,104914E+22	2,104905E+22	2,245040E+22	2,421260E+22
-519	2,527433E+22	2,535116E+22	2,501159E+22	2,501164E+22	2,535158E+22	2,527497E+22	2,421309E+22	2,245066E+22	2,104917E+22	2,104916E+22	2,245070E+22	2,421328E+22
-518	2,527514E+22	2,535143E+22	2,501128E+22	2,501088E+22	2,535056E+22	2,527424E+22	2,421296E+22	2,245096E+22	2,104961E+22	2,104953E+22	2,245065E+22	2,421254E+22
-517	2,527399E+22	2,535047E+22	2,501082E+22	2,501095E+22	2,535068E+22	2,527407E+22	2,421273E+22	2,245093E+22	2,104961E+22	2,104944E+22	2,245057E+22	2,421268E+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	2,527464E+22	2,535174E+22	2,501219E+22	2,501219E+22	2,535180E+22	2,527472E+22	2,421264E+22	2,245040E+22	2,104926E+22	2,104949E+22	2,245097E+22	2,421309E+22
-515	2,527451E+22	2,535094E+22	2,501106E+22	2,501080E+22	2,535067E+22	2,527429E+22	2,421266E+22	2,245041E+22	2,104908E+22	2,104916E+22	2,245052E+22	2,421257E+22
-514	2,527398E+22	2,535047E+22	2,501108E+22	2,501138E+22	2,535125E+22	2,527462E+22	2,421282E+22	2,245040E+22	2,104883E+22	2,104882E+22	2,245032E+22	2,421286E+22
-513	2,527504E+22	2,535167E+22	2,501164E+22	2,501163E+22	2,535147E+22	2,527475E+22	2,421287E+22	2,245042E+22	2,104885E+22	2,104881E+22	2,245027E+22	2,421252E+22
-512	2,527413E+22	2,535052E+22	2,501034E+22	2,501022E+22	2,535050E+22	2,527434E+22	2,421276E+22	2,245042E+22	2,104875E+22	2,104849E+22	2,244980E+22	2,421208E+22
-511	2,527387E+22	2,535078E+22	2,501143E+22	2,501149E+22	2,535128E+22	2,527467E+22	2,421279E+22	2,245024E+22	2,104855E+22	2,104846E+22	2,245005E+22	2,421274E+22
-510	2,527479E+22	2,535112E+22	2,501112E+22	2,501100E+22	2,535074E+22	2,527419E+22	2,421252E+22	2,245014E+22	2,104862E+22	2,104871E+22	2,245021E+22	2,421228E+22
-509	2,527369E+22	2,534991E+22	2,500995E+22	2,501028E+22	2,535054E+22	2,527416E+22	2,421249E+22	2,245010E+22	2,104841E+22	2,104836E+22	2,244997E+22	2,421243E+22
-508	2,527432E+22	2,535111E+22	2,501132E+22	2,501139E+22	2,535148E+22	2,527481E+22	2,421261E+22	2,244984E+22	2,104817E+22	2,104833E+22	2,245026E+22	2,421303E+22
-507	2,527479E+22	2,535100E+22	2,501072E+22	2,501022E+22	2,535017E+22	2,527405E+22	2,421250E+22	2,245002E+22	2,104832E+22	2,104827E+22	2,244985E+22	2,421231E+22
-506	2,527400E+22	2,535034E+22	2,501065E+22	2,501080E+22	2,535063E+22	2,527413E+22	2,421253E+22	2,245017E+22	2,104853E+22	2,104842E+22	2,244985E+22	2,421237E+22
-505	2,527471E+22	2,535167E+22	2,501182E+22	2,501177E+22	2,535143E+22	2,527448E+22	2,421253E+22	2,245020E+22	2,104881E+22	2,104891E+22	2,245040E+22	2,421255E+22
-504	2,527406E+22	2,535057E+22	2,501064E+22	2,501057E+22	2,535071E+22	2,527430E+22	2,421255E+22	2,245031E+22	2,104894E+22	2,104895E+22	2,245026E+22	2,421227E+22
-503	2,527369E+22	2,535041E+22	2,501125E+22	2,501161E+22	2,535151E+22	2,527488E+22	2,421299E+22	2,245054E+22	2,104909E+22	2,104911E+22	2,245057E+22	2,421305E+22
-502	2,527502E+22	2,535141E+22	2,501145E+22	2,501144E+22	2,535118E+22	2,527458E+22	2,421296E+22	2,245080E+22	2,104954E+22	2,104854E+22	2,245091E+22	2,421280E+22
-501	2,527415E+22	2,535045E+22	2,501043E+22	2,501050E+22	2,535055E+22	2,527426E+22	2,421301E+22	2,245117E+22	2,104981E+22	2,104957E+22	2,245058E+22	2,421255E+22
-500	2,527432E+22	2,535136E+22	2,501193E+22	2,501189E+22	2,535154E+22	2,527478E+22	2,421307E+22	2,245106E+22	2,104990E+22	2,104988E+22	2,245105E+22	2,421318E+22
-499	2,527493E+22	2,535159E+22	2,501179E+22	2,501133E+22	2,535067E+22	2,527404E+22	2,421270E+22	2,245099E+22	2,105001E+22	2,105007E+22	2,245104E+22	2,421265E+22
-498	2,527394E+22	2,535049E+22	2,501107E+22	2,501139E+22	2,535106E+22	2,527428E+22	2,421273E+22	2,245090E+22	2,104987E+22	2,104993E+22	2,245096E+22	2,421277E+22
-497	2,527455E+22	2,535162E+22	2,501218E+22	2,501226E+22	2,535189E+22	2,527492E+22	2,421295E+22	2,245079E+22	2,104969E+22	2,104990E+22	2,245127E+22	2,421326E+22
-496	2,527458E+22	2,535094E+22	2,501105E+22	2,501094E+22	2,535087E+22	2,527448E+22	2,421291E+22	2,245081E+22	2,104951E+22	2,104943E+22	2,245056E+22	2,421251E+22
-495	2,527401E+22	2,535056E+22	2,501114E+22	2,501145E+22	2,535130E+22	2,527476E+22	2,421314E+22	2,245093E+22	2,104946E+22	2,104922E+22	2,245036E+22	2,421272E+22
-494	2,527499E+22	2,535179E+22	2,501179E+22	2,501160E+22	2,535118E+22	2,527447E+22	2,421286E+22	2,245079E+22	2,104951E+22	2,104952E+22	2,245072E+22	2,421256E+22
-493	2,527399E+22	2,535055E+22	2,501063E+22	2,501052E+22	2,535041E+22	2,527402E+22	2,421269E+22	2,245076E+22	2,104935E+22	2,104913E+22	2,245025E+22	2,421218E+22
-492	2,527370E+22	2,535058E+22	2,501135E+22	2,501162E+22	2,535142E+22	2,527470E+22	2,421278E+22	2,245042E+22	2,104905E+22	2,104911E+22	2,245059E+22	2,421299E+22
-491	2,527476E+22	2,535116E+22	2,501125E+22	2,501107E+22	2,535070E+22	2,527412E+22	2,421246E+22	2,245017E+22	2,104881E+22	2,104903E+22	2,245056E+22	2,421263E+22
-490	2,527401E+22	2,535017E+22	2,501014E+22	2,501041E+22	2,535055E+22	2,527414E+22	2,421250E+22	2,245019E+22	2,104867E+22	2,104869E+22	2,245013E+22	2,421241E+22
-489	2,527438E+22	2,535135E+22	2,501156E+22	2,501144E+22	2,535130E+22	2,527468E+22	2,421274E+22	2,245027E+22	2,104876E+22	2,104880E+22	2,245043E+22	2,421295E+22
-488	2,527471E+22	2,535116E+22	2,501111E+22	2,501073E+22	2,535045E+22	2,527403E+22	2,421249E+22	2,245030E+22	2,104888E+22	2,104879E+22	2,245001E+22	2,421212E+22
-487	2,527375E+22	2,535029E+22	2,501088E+22	2,501129E+22	2,535106E+22	2,527437E+22	2,421271E+22	2,245055E+22	2,104916E+22	2,104901E+22	2,245017E+22	2,421238E+22
-486	2,527453E+22	2,535153E+22	2,501181E+22	2,501187E+22	2,535153E+22	2,527461E+22	2,421272E+22	2,245055E+22	2,104940E+22	2,104961E+22	2,245099E+22	2,421285E+22
-485	2,527408E+22	2,535052E+22	2,501070E+22	2,501070E+22	2,535066E+22	2,527432E+22	2,421292E+22	2,245091E+22	2,104958E+22	2,104950E+22	2,245062E+22	2,421246E+22
-484	2,527377E+22	2,535041E+22	2,501116E+22	2,501157E+22	2,535148E+22	2,527494E+22	2,421329E+22	2,245116E+22	2,104988E+22	2,104980E+22	2,245095E+22	2,421313E+22
-483	2,527505E+22	2,535173E+22	2,501181E+22	2,501148E+22	2,535092E+22	2,527431E+22	2,421291E+22	2,245112E+22	2,105014E+22	2,105023E+22	2,245127E+22	2,421291E+22
-482	2,527425E+22	2,535077E+22	2,501091E+22	2,501085E+22	2,535053E+22	2,527403E+22	2,421285E+22	2,245130E+22	2,105038E+22	2,105031E+22	2,245100E+22	2,421252E+22
-481	2,527415E+22	2,535141E+22	2,501221E+22	2,501222E+22	2,535162E+22	2,527464E+22	2,421298E+22	2,245131E+22	2,105051E+22	2,105059E+22	2,245159E+22	2,421339E+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	2,527486E+22	2,535150E+22	2,501190E+22	2,501176E+22	2,535113E+22	2,527422E+22	2,421267E+22	2,245105E+22	2,105031E+22	2,105046E+22	2,245134E+22	2,421280E+22
-479	2,527398E+22	2,535046E+22	2,501107E+22	2,501159E+22	2,535138E+22	2,527463E+22	2,421309E+22	2,245126E+22	2,105021E+22	2,105014E+22	2,245107E+22	2,421290E+22
-478	2,527470E+22	2,535176E+22	2,501218E+22	2,501213E+22	2,535170E+22	2,527487E+22	2,421318E+22	2,245123E+22	2,105018E+22	2,105026E+22	2,245144E+22	2,421330E+22
-477	2,527463E+22	2,535114E+22	2,501133E+22	2,501105E+22	2,535061E+22	2,527426E+22	2,421314E+22	2,245140E+22	2,105015E+22	2,104987E+22	2,245063E+22	2,421231E+22
-476	2,527379E+22	2,535055E+22	2,501129E+22	2,501167E+22	2,535133E+22	2,527466E+22	2,421320E+22	2,245135E+22	2,105019E+22	2,104995E+22	2,245076E+22	2,421261E+22
-475	2,527464E+22	2,535177E+22	2,501204E+22	2,501183E+22	2,535121E+22	2,527426E+22	2,421262E+22	2,245079E+22	2,104988E+22	2,105008E+22	2,245121E+22	2,421278E+22
-474	2,527394E+22	2,535049E+22	2,501070E+22	2,501073E+22	2,535060E+22	2,527409E+22	2,421260E+22	2,245071E+22	2,104961E+22	2,104966E+22	2,245071E+22	2,421241E+22
-473	2,527373E+22	2,535054E+22	2,501131E+22	2,501161E+22	2,535137E+22	2,527468E+22	2,421292E+22	2,245072E+22	2,104945E+22	2,104951E+22	2,245095E+22	2,421329E+22
-472	2,527498E+22	2,535128E+22	2,501128E+22	2,501122E+22	2,535085E+22	2,527414E+22	2,421252E+22	2,245042E+22	2,104918E+22	2,104928E+22	2,245060E+22	2,421263E+22
-471	2,527414E+22	2,535045E+22	2,501040E+22	2,501062E+22	2,535066E+22	2,527425E+22	2,421276E+22	2,245064E+22	2,104921E+22	2,104902E+22	2,245019E+22	2,421232E+22
-470	2,527431E+22	2,535152E+22	2,501188E+22	2,501164E+22	2,535119E+22	2,527445E+22	2,421276E+22	2,245065E+22	2,104941E+22	2,104946E+22	2,245082E+22	2,421295E+22
-469	2,527451E+22	2,535115E+22	2,501143E+22	2,501116E+22	2,535057E+22	2,527396E+22	2,421261E+22	2,245073E+22	2,104952E+22	2,104943E+22	2,245042E+22	2,421216E+22
-468	2,527353E+22	2,535008E+22	2,501078E+22	2,501145E+22	2,535133E+22	2,527461E+22	2,421295E+22	2,245096E+22	2,104982E+22	2,104975E+22	2,245071E+22	2,421255E+22
-467	2,527442E+22	2,535152E+22	2,501186E+22	2,501185E+22	2,535146E+22	2,527458E+22	2,421282E+22	2,245084E+22	2,104985E+22	2,105011E+22	2,245140E+22	2,421316E+22
-466	2,527435E+22	2,535077E+22	2,501087E+22	2,501076E+22	2,535058E+22	2,527421E+22	2,421296E+22	2,245124E+22	2,105019E+22	2,105011E+22	2,245091E+22	2,421250E+22
-465	2,527383E+22	2,535068E+22	2,501144E+22	2,501162E+22	2,535121E+22	2,527463E+22	2,421332E+22	2,245167E+22	2,105068E+22	2,105051E+22	2,245133E+22	2,421320E+22
-464	2,527501E+22	2,535188E+22	2,501220E+22	2,501200E+22	2,535116E+22	2,527414E+22	2,421275E+22	2,245134E+22	2,105071E+22	2,105084E+22	2,245158E+22	2,421290E+22
-463	2,527415E+22	2,535085E+22	2,501124E+22	2,501136E+22	2,535098E+22	2,527424E+22	2,421294E+22	2,245154E+22	2,105083E+22	2,105077E+22	2,245136E+22	2,421267E+22
-462	2,527407E+22	2,535135E+22	2,501232E+22	2,501239E+22	2,535176E+22	2,527474E+22	2,421313E+22	2,245155E+22	2,105093E+22	2,105110E+22	2,245203E+22	2,421367E+22
-461	2,527494E+22	2,535154E+22	2,501205E+22	2,501198E+22	2,535122E+22	2,527435E+22	2,421307E+22	2,245156E+22	2,105079E+22	2,105080E+22	2,245148E+22	2,421283E+22
-460	2,527400E+22	2,535049E+22	2,501101E+22	2,501156E+22	2,535144E+22	2,527478E+22	2,421341E+22	2,245184E+22	2,105092E+22	2,105069E+22	2,245126E+22	2,421274E+22
-459	2,527450E+22	2,535192E+22	2,501245E+22	2,501215E+22	2,535150E+22	2,527466E+22	2,421319E+22	2,245156E+22	2,105074E+22	2,105079E+22	2,245170E+22	2,421330E+22
-458	2,527454E+22	2,535125E+22	2,501164E+22	2,501132E+22	2,535061E+22	2,527399E+22	2,421293E+22	2,245155E+22	2,105073E+22	2,105058E+22	2,245104E+22	2,421230E+22
-457	2,527352E+22	2,535037E+22	2,501130E+22	2,501174E+22	2,535130E+22	2,527447E+22	2,421309E+22	2,245155E+22	2,105071E+22	2,105062E+22	2,245135E+22	2,421295E+22
-456	2,527462E+22	2,535157E+22	2,501194E+22	2,501203E+22	2,535149E+22	2,527433E+22	2,421255E+22	2,245078E+22	2,105007E+22	2,105040E+22	2,245153E+22	2,421310E+22
-455	2,527416E+22	2,535060E+22	2,501071E+22	2,501076E+22	2,535072E+22	2,527427E+22	2,421282E+22	2,245094E+22	2,104981E+22	2,104975E+22	2,245079E+22	2,421261E+22
-454	2,527399E+22	2,535083E+22	2,501146E+22	2,501151E+22	2,535112E+22	2,527448E+22	2,421298E+22	2,245105E+22	2,104988E+22	2,104982E+22	2,245105E+22	2,421331E+22
-453	2,527510E+22	2,535164E+22	2,501176E+22	2,501152E+22	2,535074E+22	2,527395E+22	2,421267E+22	2,245089E+22	2,104975E+22	2,104966E+22	2,245059E+22	2,421235E+22
-452	2,527389E+22	2,535050E+22	2,501069E+22	2,501102E+22	2,535091E+22	2,527428E+22	2,421287E+22	2,245109E+22	2,104996E+22	2,104975E+22	2,245051E+22	2,421209E+22
-451	2,527385E+22	2,535144E+22	2,501216E+22	2,501197E+22	2,535141E+22	2,527447E+22	2,421275E+22	2,245086E+22	2,104991E+22	2,105007E+22	2,245128E+22	2,421312E+22
-450	2,527438E+22	2,535104E+22	2,501152E+22	2,501140E+22	2,535082E+22	2,527413E+22	2,421273E+22	2,245100E+22	2,105009E+22	2,105013E+22	2,245090E+22	2,421234E+22
-449	2,527347E+22	2,534998E+22	2,501069E+22	2,501135E+22	2,535126E+22	2,527464E+22	2,421324E+22	2,245154E+22	2,105055E+22	2,105043E+22	2,245121E+22	2,421289E+22
-448	2,527460E+22	2,535158E+22	2,501187E+22	2,501194E+22	2,535153E+22	2,527453E+22	2,421290E+22	2,245123E+22	2,105049E+22	2,105065E+22	2,245165E+22	2,421327E+22
-447	2,527450E+22	2,535109E+22	2,501121E+22	2,501096E+22	2,535059E+22	2,527416E+22	2,421308E+22	2,245169E+22	2,105086E+22	2,105067E+22	2,245123E+22	2,421260E+22
-446	2,527385E+22	2,535088E+22	2,501184E+22	2,501189E+22	2,535111E+22	2,527427E+22	2,421314E+22	2,245195E+22	2,105135E+22	2,105128E+22	2,245188E+22	2,421341E+22
-445	2,527498E+22	2,535193E+22	2,501254E+22	2,501243E+22	2,535136E+22	2,527411E+22	2,421279E+22	2,245160E+22	2,105122E+22	2,105141E+22	2,245197E+22	2,421304E+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	2,527407E+22	2,535076E+22	2,501128E+22	2,501160E+22	2,535133E+22	2,527456E+22	2,421320E+22	2,245186E+22	2,105133E+22	2,105132E+22	2,245174E+22	2,421277E+22
-443	2,527403E+22	2,535145E+22	2,501245E+22	2,501241E+22	2,535172E+22	2,527476E+22	2,421327E+22	2,245182E+22	2,105125E+22	2,105137E+22	2,245218E+22	2,421376E+22
-442	2,527508E+22	2,535176E+22	2,501224E+22	2,501205E+22	2,535120E+22	2,527431E+22	2,421313E+22	2,245191E+22	2,105137E+22	2,105128E+22	2,245156E+22	2,421266E+22
-441	2,527386E+22	2,535058E+22	2,501121E+22	2,501157E+22	2,535126E+22	2,527458E+22	2,421349E+22	2,245232E+22	2,105166E+22	2,105135E+22	2,245157E+22	2,421272E+22
-440	2,527430E+22	2,535176E+22	2,501257E+22	2,501249E+22	2,535172E+22	2,527452E+22	2,421302E+22	2,245171E+22	2,105123E+22	2,105133E+22	2,245200E+22	2,421332E+22
-439	2,527441E+22	2,535117E+22	2,501174E+22	2,501157E+22	2,535088E+22	2,527415E+22	2,421300E+22	2,245172E+22	2,105108E+22	2,105098E+22	2,245144E+22	2,421259E+22
-438	2,527354E+22	2,535030E+22	2,501130E+22	2,501171E+22	2,535120E+22	2,527437E+22	2,421309E+22	2,245173E+22	2,105105E+22	2,105104E+22	2,245176E+22	2,421332E+22
-437	2,527486E+22	2,535169E+22	2,501207E+22	2,501208E+22	2,535140E+22	2,527431E+22	2,421279E+22	2,245116E+22	2,105044E+22	2,105064E+22	2,245159E+22	2,421312E+22
-436	2,527430E+22	2,535081E+22	2,501087E+22	2,501081E+22	2,535076E+22	2,527435E+22	2,421304E+22	2,245138E+22	2,105040E+22	2,105021E+22	2,245088E+22	2,421239E+22
-435	2,527384E+22	2,535113E+22	2,501192E+22	2,501168E+22	2,535100E+22	2,527428E+22	2,421293E+22	2,245130E+22	2,105038E+22	2,105029E+22	2,245121E+22	2,421319E+22
-434	2,527495E+22	2,535175E+22	2,501219E+22	2,501199E+22	2,535099E+22	2,527384E+22	2,421249E+22	2,245110E+22	2,105041E+22	2,105039E+22	2,245095E+22	2,421226E+22
-433	2,527356E+22	2,535027E+22	2,501074E+22	2,501120E+22	2,535111E+22	2,527433E+22	2,421293E+22	2,245144E+22	2,105065E+22	2,105054E+22	2,245113E+22	2,421240E+22
-432	2,527373E+22	2,535107E+22	2,501200E+22	2,501217E+22	2,535174E+22	2,527467E+22	2,421288E+22	2,245110E+22	2,105036E+22	2,105059E+22	2,245167E+22	2,421341E+22
-431	2,527456E+22	2,535110E+22	2,501153E+22	2,501139E+22	2,535089E+22	2,527430E+22	2,421306E+22	2,245148E+22	2,105059E+22	2,105052E+22	2,245121E+22	2,421264E+22
-430	2,527369E+22	2,535020E+22	2,501086E+22	2,501122E+22	2,535090E+22	2,527432E+22	2,421328E+22	2,245200E+22	2,105126E+22	2,105106E+22	2,245157E+22	2,421308E+22
-429	2,527480E+22	2,535193E+22	2,501237E+22	2,501219E+22	2,535138E+22	2,527429E+22	2,421297E+22	2,245166E+22	2,105118E+22	2,105128E+22	2,245190E+22	2,421320E+22
-428	2,527443E+22	2,535123E+22	2,501160E+22	2,501138E+22	2,535084E+22	2,527414E+22	2,421306E+22	2,245199E+22	2,105155E+22	2,105143E+22	2,245164E+22	2,421251E+22
-427	2,527361E+22	2,535096E+22	2,501218E+22	2,501224E+22	2,535135E+22	2,527431E+22	2,421306E+22	2,245202E+22	2,105172E+22	2,105179E+22	2,245228E+22	2,421362E+22
-426	2,527501E+22	2,535196E+22	2,501276E+22	2,501278E+22	2,535169E+22	2,527429E+22	2,421287E+22	2,245183E+22	2,105170E+22	2,105190E+22	2,245223E+22	2,421311E+22
-425	2,527403E+22	2,535069E+22	2,501126E+22	2,501157E+22	2,535135E+22	2,527467E+22	2,421353E+22	2,245244E+22	2,105200E+22	2,105185E+22	2,245202E+22	2,421290E+22
-424	2,527404E+22	2,535136E+22	2,501247E+22	2,501254E+22	2,535183E+22	2,527481E+22	2,421346E+22	2,245225E+22	2,105184E+22	2,105183E+22	2,245228E+22	2,421365E+22
-423	2,527505E+22	2,535192E+22	2,501252E+22	2,501219E+22	2,535116E+22	2,527428E+22	2,421331E+22	2,245236E+22	2,105198E+22	2,105181E+22	2,245187E+22	2,421268E+22
-422	2,527368E+22	2,535055E+22	2,501140E+22	2,501166E+22	2,535108E+22	2,527422E+22	2,421330E+22	2,245256E+22	2,105229E+22	2,105209E+22	2,245213E+22	2,421297E+22
-421	2,527429E+22	2,535168E+22	2,501268E+22	2,501263E+22	2,535176E+22	2,527450E+22	2,421302E+22	2,245184E+22	2,105161E+22	2,105182E+22	2,245238E+22	2,421352E+22
-420	2,527448E+22	2,535110E+22	2,501170E+22	2,501161E+22	2,535102E+22	2,527430E+22	2,421312E+22	2,245191E+22	2,105144E+22	2,105140E+22	2,245173E+22	2,421270E+22
-419	2,527368E+22	2,535054E+22	2,501148E+22	2,501169E+22	2,535106E+22	2,527423E+22	2,421306E+22	2,245185E+22	2,105126E+22	2,105121E+22	2,245184E+22	2,421342E+22
-418	2,527509E+22	2,535203E+22	2,501246E+22	2,501228E+22	2,535139E+22	2,527416E+22	2,421270E+22	2,245141E+22	2,105096E+22	2,105103E+22	2,245158E+22	2,421286E+22
-417	2,527412E+22	2,535093E+22	2,501125E+22	2,501105E+22	2,535077E+22	2,527425E+22	2,421311E+22	2,245180E+22	2,105108E+22	2,105084E+22	2,245117E+22	2,421229E+22
-416	2,527355E+22	2,535087E+22	2,501210E+22	2,501219E+22	2,535143E+22	2,527436E+22	2,421290E+22	2,245149E+22	2,105087E+22	2,105084E+22	2,245149E+22	2,421312E+22
-415	2,527471E+22	2,535159E+22	2,501229E+22	2,501226E+22	2,535138E+22	2,527422E+22	2,421278E+22	2,245142E+22	2,105086E+22	2,105090E+22	2,245143E+22	2,421255E+22
-414	2,527351E+22	2,535009E+22	2,501069E+22	2,501114E+22	2,535103E+22	2,527434E+22	2,421312E+22	2,245186E+22	2,105126E+22	2,105118E+22	2,245167E+22	2,421282E+22
-413	2,527402E+22	2,535111E+22	2,501197E+22	2,501204E+22	2,535158E+22	2,527469E+22	2,421319E+22	2,245163E+22	2,105099E+22	2,105110E+22	2,245192E+22	2,421352E+22
-412	2,527476E+22	2,535132E+22	2,501168E+22	2,501139E+22	2,535081E+22	2,527427E+22	2,421324E+22	2,245201E+22	2,105139E+22	2,105125E+22	2,245153E+22	2,421257E+22
-411	2,527371E+22	2,535059E+22	2,501139E+22	2,501142E+22	2,535067E+22	2,527391E+22	2,421305E+22	2,245219E+22	2,105182E+22	2,105168E+22	2,245195E+22	2,421314E+22
-410	2,527478E+22	2,535210E+22	2,501286E+22	2,501269E+22	2,535157E+22	2,527408E+22	2,421266E+22	2,245180E+22	2,105182E+22	2,105202E+22	2,245231E+22	2,421321E+22
-409	2,527423E+22	2,535114E+22	2,501180E+22	2,501168E+22	2,535112E+22	2,527428E+22	2,421312E+22	2,245223E+22	2,105210E+22	2,105211E+22	2,245217E+22	2,421279E+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	2,527360E+22	2,535073E+22	2,501216E+22	2,501252E+22	2,535171E+22	2,527456E+22	2,421325E+22	2,245225E+22	2,105206E+22	2,105212E+22	2,245245E+22	2,421368E+22
-407	2,527515E+22	2,535212E+22	2,501289E+22	2,501286E+22	2,535182E+22	2,527456E+22	2,421328E+22	2,245235E+22	2,105216E+22	2,105218E+22	2,245238E+22	2,421317E+22
-406	2,527406E+22	2,535084E+22	2,501148E+22	2,501153E+22	2,535105E+22	2,527442E+22	2,421363E+22	2,245297E+22	2,105275E+22	2,105247E+22	2,245230E+22	2,421291E+22
-405	2,527402E+22	2,535143E+22	2,501275E+22	2,501271E+22	2,535171E+22	2,527467E+22	2,421357E+22	2,245269E+22	2,105254E+22	2,105247E+22	2,245253E+22	2,421350E+22
-404	2,527482E+22	2,535183E+22	2,501269E+22	2,501248E+22	2,535136E+22	2,527430E+22	2,421331E+22	2,245264E+22	2,105262E+22	2,105257E+22	2,245235E+22	2,421267E+22
-403	2,527351E+22	2,535055E+22	2,501155E+22	2,501179E+22	2,535109E+22	2,527413E+22	2,421316E+22	2,245255E+22	2,105255E+22	2,105255E+22	2,245258E+22	2,421329E+22
-402	2,527446E+22	2,535176E+22	2,501281E+22	2,501280E+22	2,535186E+22	2,527448E+22	2,421295E+22	2,245198E+22	2,105200E+22	2,105222E+22	2,245261E+22	2,421365E+22
-401	2,527459E+22	2,535119E+22	2,501176E+22	2,501161E+22	2,535100E+22	2,527433E+22	2,421328E+22	2,245228E+22	2,105192E+22	2,105181E+22	2,245196E+22	2,421280E+22
-400	2,527377E+22	2,535057E+22	2,501166E+22	2,501194E+22	2,535119E+22	2,527425E+22	2,421313E+22	2,245210E+22	2,105167E+22	2,105153E+22	2,245184E+22	2,421322E+22
-399	2,527503E+22	2,535224E+22	2,501286E+22	2,501262E+22	2,535154E+22	2,527424E+22	2,421287E+22	2,245177E+22	2,105142E+22	2,105146E+22	2,245185E+22	2,421283E+22
-398	2,527386E+22	2,535079E+22	2,501142E+22	2,501127E+22	2,535078E+22	2,527411E+22	2,421306E+22	2,245210E+22	2,105171E+22	2,105156E+22	2,245172E+22	2,421253E+22
-397	2,527349E+22	2,535064E+22	2,501205E+22	2,501229E+22	2,535158E+22	2,527460E+22	2,421315E+22	2,245178E+22	2,105136E+22	2,105141E+22	2,245190E+22	2,421328E+22
-396	2,527473E+22	2,535148E+22	2,501217E+22	2,501220E+22	2,535142E+22	2,527441E+22	2,421308E+22	2,245183E+22	2,105141E+22	2,105147E+22	2,245178E+22	2,421265E+22
-395	2,527367E+22	2,535034E+22	2,501081E+22	2,501099E+22	2,535070E+22	2,527409E+22	2,421310E+22	2,245214E+22	2,105172E+22	2,105160E+22	2,245190E+22	2,421298E+22
-394	2,527430E+22	2,535153E+22	2,501239E+22	2,501222E+22	2,535141E+22	2,527434E+22	2,421299E+22	2,245195E+22	2,105172E+22	2,105171E+22	2,245209E+22	2,421338E+22
-393	2,527468E+22	2,535150E+22	2,501210E+22	2,501171E+22	2,535079E+22	2,527404E+22	2,421314E+22	2,245233E+22	2,105211E+22	2,105201E+22	2,245198E+22	2,421260E+22
-392	2,527354E+22	2,535047E+22	2,501170E+22	2,501205E+22	2,535111E+22	2,527398E+22	2,421295E+22	2,245229E+22	2,105224E+22	2,105222E+22	2,245228E+22	2,421316E+22
-391	2,527469E+22	2,535212E+22	2,501313E+22	2,501310E+22	2,535199E+22	2,527447E+22	2,421296E+22	2,245208E+22	2,105216E+22	2,105244E+22	2,245274E+22	2,421343E+22
-390	2,527418E+22	2,535104E+22	2,501188E+22	2,501180E+22	2,535114E+22	2,527438E+22	2,421341E+22	2,245273E+22	2,105271E+22	2,105267E+22	2,245256E+22	2,421303E+22
-389	2,527378E+22	2,535078E+22	2,501218E+22	2,501251E+22	2,535172E+22	2,527478E+22	2,421368E+22	2,245284E+22	2,105275E+22	2,105264E+22	2,245259E+22	2,421355E+22
-388	2,527509E+22	2,535224E+22	2,501305E+22	2,501290E+22	2,535177E+22	2,527461E+22	2,421357E+22	2,245296E+22	2,105302E+22	2,105295E+22	2,245266E+22	2,421298E+22
-387	2,527392E+22	2,535103E+22	2,501182E+22	2,501170E+22	2,535083E+22	2,527404E+22	2,421346E+22	2,245323E+22	2,105338E+22	2,105319E+22	2,245278E+22	2,421305E+22
-386	2,527398E+22	2,535145E+22	2,501297E+22	2,501304E+22	2,535180E+22	2,527440E+22	2,421324E+22	2,245282E+22	2,105317E+22	2,105320E+22	2,245304E+22	2,421365E+22
-385	2,527470E+22	2,535167E+22	2,501267E+22	2,501259E+22	2,535147E+22	2,527435E+22	2,421332E+22	2,245278E+22	2,105302E+22	2,105316E+22	2,245294E+22	2,421309E+22
-384	2,527367E+22	2,535043E+22	2,501153E+22	2,501199E+22	2,535125E+22	2,527422E+22	2,421321E+22	2,245260E+22	2,105266E+22	2,105270E+22	2,245271E+22	2,421342E+22
-383	2,527472E+22	2,535207E+22	2,501302E+22	2,501288E+22	2,535188E+22	2,527461E+22	2,421321E+22	2,245228E+22	2,105222E+22	2,105234E+22	2,245269E+22	2,421366E+22
-382	2,527463E+22	2,535144E+22	2,501212E+22	2,501175E+22	2,535080E+22	2,527411E+22	2,421332E+22	2,245265E+22	2,105248E+22	2,105226E+22	2,245211E+22	2,421274E+22
-381	2,527374E+22	2,535067E+22	2,501192E+22	2,501219E+22	2,535126E+22	2,527429E+22	2,421327E+22	2,245243E+22	2,105221E+22	2,105202E+22	2,245197E+22	2,421292E+22
-380	2,527467E+22	2,535209E+22	2,501298E+22	2,501294E+22	2,535185E+22	2,527446E+22	2,421306E+22	2,245213E+22	2,105203E+22	2,105212E+22	2,245221E+22	2,421275E+22
-379	2,527366E+22	2,535072E+22	2,501147E+22	2,501137E+22	2,535076E+22	2,527407E+22	2,421309E+22	2,245228E+22	2,105209E+22	2,105206E+22	2,245216E+22	2,421281E+22
-378	2,527361E+22	2,535061E+22	2,501200E+22	2,501231E+22	2,535152E+22	2,527450E+22	2,421318E+22	2,245217E+22	2,105198E+22	2,105195E+22	2,245221E+22	2,421339E+22
-377	2,527479E+22	2,535154E+22	2,501216E+22	2,501211E+22	2,535126E+22	2,527435E+22	2,421325E+22	2,245231E+22	2,105210E+22	2,105212E+22	2,245220E+22	2,421283E+22
-376	2,527377E+22	2,535047E+22	2,501108E+22	2,501125E+22	2,535064E+22	2,527389E+22	2,421304E+22	2,245237E+22	2,105223E+22	2,105211E+22	2,245211E+22	2,421290E+22
-375	2,527431E+22	2,535185E+22	2,501291E+22	2,501266E+22	2,535151E+22	2,527425E+22	2,421298E+22	2,245221E+22	2,105220E+22	2,105230E+22	2,245256E+22	2,421347E+22
-374	2,527451E+22	2,535149E+22	2,501242E+22	2,501214E+22	2,535094E+22	2,527391E+22	2,421301E+22	2,245254E+22	2,105270E+22	2,105273E+22	2,245256E+22	2,421290E+22
-373	2,527358E+22	2,535039E+22	2,501175E+22	2,501226E+22	2,535142E+22	2,527435E+22	2,421325E+22	2,245257E+22	2,105268E+22	2,105271E+22	2,245259E+22	2,421324E+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	2,527466E+22	2,535210E+22	2,501316E+22	2,501322E+22	2,535218E+22	2,527480E+22	2,421342E+22	2,245264E+22	2,105277E+22	2,105295E+22	2,245296E+22	2,421341E+22
-371	2,527426E+22	2,535129E+22	2,501206E+22	2,501181E+22	2,535092E+22	2,527424E+22	2,421356E+22	2,245319E+22	2,105332E+22	2,105317E+22	2,245279E+22	2,421307E+22
-370	2,527387E+22	2,535103E+22	2,501248E+22	2,501270E+22	2,535160E+22	2,527450E+22	2,421363E+22	2,245334E+22	2,105362E+22	2,105337E+22	2,245286E+22	2,421338E+22
-369	2,527484E+22	2,535222E+22	2,501327E+22	2,501314E+22	2,535179E+22	2,527446E+22	2,421354E+22	2,245333E+22	2,105377E+22	2,105380E+22	2,245326E+22	2,421313E+22
-368	2,527373E+22	2,535081E+22	2,501195E+22	2,501212E+22	2,535110E+22	2,527404E+22	2,421333E+22	2,245327E+22	2,105373E+22	2,105370E+22	2,245321E+22	2,421325E+22
-367	2,527403E+22	2,535153E+22	2,501313E+22	2,501326E+22	2,535199E+22	2,527459E+22	2,421342E+22	2,245299E+22	2,105337E+22	2,105353E+22	2,245349E+22	2,421401E+22
-366	2,527482E+22	2,535170E+22	2,501269E+22	2,501261E+22	2,535137E+22	2,527426E+22	2,421343E+22	2,245311E+22	2,105344E+22	2,105352E+22	2,245322E+22	2,421337E+22
-365	2,527397E+22	2,535067E+22	2,501162E+22	2,501197E+22	2,535125E+22	2,527439E+22	2,421350E+22	2,245298E+22	2,105309E+22	2,105297E+22	2,245268E+22	2,421322E+22
-364	2,527466E+22	2,535231E+22	2,501334E+22	2,501305E+22	2,535186E+22	2,527463E+22	2,421344E+22	2,245274E+22	2,105282E+22	2,105283E+22	2,245274E+22	2,421333E+22
-363	2,527439E+22	2,535157E+22	2,501245E+22	2,501203E+22	2,535071E+22	2,527382E+22	2,421318E+22	2,245285E+22	2,105296E+22	2,105281E+22	2,245243E+22	2,421273E+22
-362	2,527356E+22	2,535058E+22	2,501202E+22	2,501251E+22	2,535146E+22	2,527418E+22	2,421310E+22	2,245265E+22	2,105283E+22	2,105266E+22	2,245238E+22	2,421296E+22
-361	2,527439E+22	2,535179E+22	2,501279E+22	2,501295E+22	2,535195E+22	2,527459E+22	2,421321E+22	2,245240E+22	2,105252E+22	2,105272E+22	2,245276E+22	2,421310E+22
-360	2,527372E+22	2,535055E+22	2,501137E+22	2,501145E+22	2,535077E+22	2,527406E+22	2,421319E+22	2,245250E+22	2,105240E+22	2,105236E+22	2,245238E+22	2,421298E+22
-359	2,527386E+22	2,535097E+22	2,501223E+22	2,501234E+22	2,535136E+22	2,527439E+22	2,421333E+22	2,245253E+22	2,105238E+22	2,105232E+22	2,245249E+22	2,421349E+22
-358	2,527481E+22	2,535178E+22	2,501253E+22	2,501228E+22	2,535102E+22	2,527398E+22	2,421315E+22	2,245266E+22	2,105277E+22	2,105277E+22	2,245257E+22	2,421293E+22
-357	2,527380E+22	2,535065E+22	2,501143E+22	2,501162E+22	2,535086E+22	2,527397E+22	2,421307E+22	2,245259E+22	2,105275E+22	2,105269E+22	2,245240E+22	2,421278E+22
-356	2,527407E+22	2,535184E+22	2,501317E+22	2,501310E+22	2,535192E+22	2,527453E+22	2,421318E+22	2,245252E+22	2,105276E+22	2,105292E+22	2,245292E+22	2,421349E+22
-355	2,527442E+22	2,535152E+22	2,501258E+22	2,501240E+22	2,535110E+22	2,527401E+22	2,421316E+22	2,245282E+22	2,105314E+22	2,105322E+22	2,245295E+22	2,421316E+22
-354	2,527373E+22	2,535047E+22	2,501180E+22	2,501242E+22	2,535152E+22	2,527438E+22	2,421346E+22	2,245316E+22	2,105346E+22	2,105328E+22	2,245284E+22	2,421322E+22
-353	2,527457E+22	2,535212E+22	2,501319E+22	2,501322E+22	2,535214E+22	2,527486E+22	2,421376E+22	2,245330E+22	2,105363E+22	2,105370E+22	2,245337E+22	2,421350E+22
-352	2,527420E+22	2,535132E+22	2,501232E+22	2,501208E+22	2,535086E+22	2,527405E+22	2,421360E+22	2,245359E+22	2,105398E+22	2,105381E+22	2,245313E+22	2,421306E+22
-351	2,527380E+22	2,535119E+22	2,501281E+22	2,501300E+22	2,535163E+22	2,527435E+22	2,421362E+22	2,245363E+22	2,105417E+22	2,105408E+22	2,245350E+22	2,421361E+22
-350	2,527468E+22	2,535213E+22	2,501339E+22	2,501335E+22	2,535183E+22	2,527430E+22	2,421340E+22	2,245349E+22	2,105431E+22	2,105451E+22	2,245391E+22	2,421361E+22
-349	2,527395E+22	2,535086E+22	2,501192E+22	2,501212E+22	2,535123E+22	2,527426E+22	2,421347E+22	2,245338E+22	2,105398E+22	2,105402E+22	2,245344E+22	2,421338E+22
-348	2,527417E+22	2,535170E+22	2,501325E+22	2,501331E+22	2,535202E+22	2,527471E+22	2,421368E+22	2,245336E+22	2,105376E+22	2,105379E+22	2,245349E+22	2,421396E+22
-347	2,527500E+22	2,535208E+22	2,501301E+22	2,501273E+22	2,535118E+22	2,527399E+22	2,421338E+22	2,245335E+22	2,105382E+22	2,105377E+22	2,245322E+22	2,421327E+22
-346	2,527399E+22	2,535094E+22	2,501201E+22	2,501228E+22	2,535123E+22	2,527409E+22	2,421340E+22	2,245337E+22	2,105377E+22	2,105346E+22	2,245274E+22	2,421286E+22
-345	2,527418E+22	2,535215E+22	2,501352E+22	2,501339E+22	2,535208E+22	2,527466E+22	2,421350E+22	2,245308E+22	2,105344E+22	2,105350E+22	2,245318E+22	2,421333E+22
-344	2,527401E+22	2,535123E+22	2,501250E+22	2,501239E+22	2,535102E+22	2,527393E+22	2,421321E+22	2,245297E+22	2,105330E+22	2,105325E+22	2,245279E+22	2,421287E+22
-343	2,527348E+22	2,535052E+22	2,501200E+22	2,501256E+22	2,535159E+22	2,527437E+22	2,421337E+22	2,245292E+22	2,105313E+22	2,105310E+22	2,245288E+22	2,421330E+22
-342	2,527442E+22	2,535171E+22	2,501267E+22	2,501283E+22	2,535179E+22	2,527447E+22	2,421333E+22	2,245282E+22	2,105310E+22	2,105325E+22	2,245317E+22	2,421346E+22
-341	2,527404E+22	2,535080E+22	2,501140E+22	2,501132E+22	2,535069E+22	2,527411E+22	2,421335E+22	2,245286E+22	2,105295E+22	2,105281E+22	2,245253E+22	2,421292E+22
-340	2,527387E+22	2,535128E+22	2,501265E+22	2,501257E+22	2,535131E+22	2,527425E+22	2,421342E+22	2,245295E+22	2,105306E+22	2,105294E+22	2,245272E+22	2,421340E+22
-339	2,527475E+22	2,535199E+22	2,501295E+22	2,501269E+22	2,535104E+22	2,527366E+22	2,421291E+22	2,245281E+22	2,105328E+22	2,105338E+22	2,245302E+22	2,421310E+22
-338	2,527378E+22	2,535071E+22	2,501168E+22	2,501205E+22	2,535116E+22	2,527394E+22	2,421301E+22	2,245287E+22	2,105337E+22	2,105330E+22	2,245280E+22	2,421286E+22
-337	2,527388E+22	2,535168E+22	2,501315E+22	2,501324E+22	2,535216E+22	2,527481E+22	2,421352E+22	2,245295E+22	2,105331E+22	2,105350E+22	2,245336E+22	2,421372E+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	2,527444E+22	2,535146E+22	2,501265E+22	2,501258E+22	2,535120E+22	2,527411E+22	2,421342E+22	2,245325E+22	2,105364E+22	2,105360E+22	2,245310E+22	2,421320E+22
-335	2,527388E+22	2,535083E+22	2,501210E+22	2,501251E+22	2,535146E+22	2,527436E+22	2,421371E+22	2,245369E+22	2,105410E+22	2,105387E+22	2,245319E+22	2,421324E+22
-334	2,527442E+22	2,535217E+22	2,501345E+22	2,501337E+22	2,535196E+22	2,527453E+22	2,421371E+22	2,245378E+22	2,105449E+22	2,105453E+22	2,245385E+22	2,421364E+22
-333	2,527417E+22	2,535136E+22	2,501250E+22	2,501231E+22	2,535107E+22	2,527411E+22	2,421360E+22	2,245384E+22	2,105459E+22	2,105450E+22	2,245355E+22	2,421311E+22
-332	2,527365E+22	2,535119E+22	2,501303E+22	2,501327E+22	2,535183E+22	2,527444E+22	2,421371E+22	2,245389E+22	2,105467E+22	2,105466E+22	2,245388E+22	2,421379E+22
-331	2,527475E+22	2,535218E+22	2,501349E+22	2,501345E+22	2,535179E+22	2,527419E+22	2,421339E+22	2,245365E+22	2,105463E+22	2,105488E+22	2,245423E+22	2,421391E+22
-330	2,527422E+22	2,535109E+22	2,501208E+22	2,501226E+22	2,535128E+22	2,527417E+22	2,421353E+22	2,245379E+22	2,105453E+22	2,105437E+22	2,245350E+22	2,421329E+22
-329	2,527411E+22	2,535182E+22	2,501341E+22	2,501337E+22	2,535202E+22	2,527474E+22	2,421387E+22	2,245380E+22	2,105436E+22	2,105428E+22	2,245367E+22	2,421386E+22
-328	2,527481E+22	2,535209E+22	2,501336E+22	2,501311E+22	2,535127E+22	2,527386E+22	2,421336E+22	2,245360E+22	2,105428E+22	2,105419E+22	2,245336E+22	2,421311E+22
-327	2,527378E+22	2,535099E+22	2,501229E+22	2,501263E+22	2,535145E+22	2,527408E+22	2,421339E+22	2,245357E+22	2,105419E+22	2,105405E+22	2,245326E+22	2,421298E+22
-326	2,527383E+22	2,535176E+22	2,501341E+22	2,501348E+22	2,535220E+22	2,527467E+22	2,421350E+22	2,245330E+22	2,105395E+22	2,105413E+22	2,245374E+22	2,421374E+22
-325	2,527413E+22	2,535110E+22	2,501227E+22	2,501222E+22	2,535113E+22	2,527423E+22	2,421345E+22	2,245321E+22	2,105363E+22	2,105360E+22	2,245305E+22	2,421304E+22
-324	2,527363E+22	2,535066E+22	2,501204E+22	2,501243E+22	2,535144E+22	2,527436E+22	2,421362E+22	2,245337E+22	2,105363E+22	2,105346E+22	2,245297E+22	2,421337E+22
-323	2,527468E+22	2,535207E+22	2,501295E+22	2,501281E+22	2,535146E+22	2,527407E+22	2,421320E+22	2,245309E+22	2,105360E+22	2,105369E+22	2,245334E+22	2,421353E+22
-322	2,527420E+22	2,535117E+22	2,501189E+22	2,501167E+22	2,535067E+22	2,527373E+22	2,421315E+22	2,245320E+22	2,105362E+22	2,105338E+22	2,245271E+22	2,421273E+22
-321	2,527357E+22	2,535125E+22	2,501295E+22	2,501300E+22	2,535162E+22	2,527430E+22	2,421341E+22	2,245321E+22	2,105365E+22	2,105361E+22	2,245318E+22	2,421350E+22
-320	2,527452E+22	2,535184E+22	2,501321E+22	2,501318E+22	2,535145E+22	2,527384E+22	2,421299E+22	2,245297E+22	2,105362E+22	2,105380E+22	2,245333E+22	2,421325E+22
-319	2,527379E+22	2,535076E+22	2,501184E+22	2,501226E+22	2,535140E+22	2,527420E+22	2,421336E+22	2,245328E+22	2,105382E+22	2,105382E+22	2,245324E+22	2,421306E+22
-318	2,527382E+22	2,535157E+22	2,501314E+22	2,501325E+22	2,535214E+22	2,527485E+22	2,421381E+22	2,245358E+22	2,105413E+22	2,105418E+22	2,245374E+22	2,421392E+22
-317	2,527461E+22	2,535167E+22	2,501274E+22	2,501248E+22	2,535118E+22	2,527422E+22	2,421367E+22	2,245378E+22	2,105440E+22	2,105426E+22	2,245333E+22	2,421306E+22
-316	2,527373E+22	2,535100E+22	2,501247E+22	2,501269E+22	2,535138E+22	2,527419E+22	2,421382E+22	2,245422E+22	2,105494E+22	2,105467E+22	2,245356E+22	2,421326E+22
-315	2,527435E+22	2,535220E+22	2,501371E+22	2,501366E+22	2,535195E+22	2,527418E+22	2,421341E+22	2,245392E+22	2,105508E+22	2,105527E+22	2,245445E+22	2,421398E+22
-314	2,527427E+22	2,535139E+22	2,501266E+22	2,501257E+22	2,535121E+22	2,527396E+22	2,421345E+22	2,245403E+22	2,105511E+22	2,105508E+22	2,245398E+22	2,421332E+22
-313	2,527365E+22	2,535112E+22	2,501305E+22	2,501336E+22	2,535196E+22	2,527458E+22	2,421388E+22	2,245416E+22	2,105507E+22	2,105510E+22	2,245425E+22	2,421405E+22
-312	2,527487E+22	2,535230E+22	2,501374E+22	2,501365E+22	2,535183E+22	2,527416E+22	2,421348E+22	2,245388E+22	2,105491E+22	2,105505E+22	2,245423E+22	2,421385E+22
-311	2,527434E+22	2,535148E+22	2,501254E+22	2,501248E+22	2,535130E+22	2,527415E+22	2,421367E+22	2,245410E+22	2,105496E+22	2,105478E+22	2,245367E+22	2,421313E+22
-310	2,527382E+22	2,535175E+22	2,501367E+22	2,501364E+22	2,535207E+22	2,527461E+22	2,421388E+22	2,245416E+22	2,105502E+22	2,105491E+22	2,245396E+22	2,421382E+22
-309	2,527464E+22	2,535197E+22	2,501339E+22	2,501329E+22	2,535164E+22	2,527416E+22	2,421346E+22	2,245382E+22	2,105475E+22	2,105472E+22	2,245364E+22	2,421305E+22
-308	2,527352E+22	2,535082E+22	2,501234E+22	2,501273E+22	2,535163E+22	2,527431E+22	2,421366E+22	2,245393E+22	2,105469E+22	2,105454E+22	2,245357E+22	2,421319E+22
-307	2,527393E+22	2,535164E+22	2,501329E+22	2,501337E+22	2,535206E+22	2,527454E+22	2,421355E+22	2,245357E+22	2,105436E+22	2,105455E+22	2,245408E+22	2,421408E+22
-306	2,527446E+22	2,535130E+22	2,501234E+22	2,501216E+22	2,535096E+22	2,527399E+22	2,421350E+22	2,245369E+22	2,105426E+22	2,105407E+22	2,245322E+22	2,421305E+22
-305	2,527367E+22	2,535084E+22	2,501227E+22	2,501246E+22	2,535129E+22	2,527421E+22	2,421366E+22	2,245375E+22	2,105427E+22	2,105406E+22	2,245329E+22	2,421337E+22
-304	2,527457E+22	2,535219E+22	2,501345E+22	2,501322E+22	2,535147E+22	2,527380E+22	2,421303E+22	2,245324E+22	2,105405E+22	2,105418E+22	2,245359E+22	2,421349E+22
-303	2,527413E+22	2,535134E+22	2,501237E+22	2,501216E+22	2,535100E+22	2,527376E+22	2,421306E+22	2,245327E+22	2,105402E+22	2,105402E+22	2,245325E+22	2,421287E+22
-302	2,527336E+22	2,535100E+22	2,501298E+22	2,501321E+22	2,535186E+22	2,527444E+22	2,421349E+22	2,245345E+22	2,105415E+22	2,105420E+22	2,245362E+22	2,421379E+22
-301	2,527466E+22	2,535180E+22	2,501309E+22	2,501316E+22	2,535174E+22	2,527426E+22	2,421334E+22	2,245335E+22	2,105407E+22	2,105418E+22	2,245350E+22	2,421327E+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												
-300	2,527384E+22	2,535093E+22	2,501206E+22	2,501228E+22	2,535135E+22	2,527426E+22	2,421372E+22	2,245393E+22	2,105455E+22	2,105431E+22	2,245334E+22	2,421304E+22
-299	2,527389E+22	2,535168E+22	2,501336E+22	2,501328E+22	2,535187E+22	2,527450E+22	2,421376E+22	2,245402E+22	2,105489E+22	2,105488E+22	2,245406E+22	2,421395E+22
-298	2,527461E+22	2,535183E+22	2,501312E+22	2,501280E+22	2,535115E+22	2,527389E+22	2,421356E+22	2,245424E+22	2,105525E+22	2,105508E+22	2,245376E+22	2,421301E+22
-297	2,527346E+22	2,535089E+22	2,501266E+22	2,501298E+22	2,535158E+22	2,527420E+22	2,421377E+22	2,245446E+22	2,105558E+22	2,105548E+22	2,245420E+22	2,421352E+22
-296	2,527424E+22	2,535209E+22	2,501393E+22	2,501396E+22	2,535214E+22	2,527424E+22	2,421341E+22	2,245402E+22	2,105538E+22	2,105569E+22	2,245481E+22	2,421425E+22
-295	2,527449E+22	2,535160E+22	2,501291E+22	2,501280E+22	2,535139E+22	2,527409E+22	2,421361E+22	2,245424E+22	2,105544E+22	2,105550E+22	2,245434E+22	2,421350E+22
-294	2,527373E+22	2,535116E+22	2,501313E+22	2,501342E+22	2,535197E+22	2,527459E+22	2,421406E+22	2,245461E+22	2,105567E+22	2,105557E+22	2,245443E+22	2,421411E+22
-293	2,527503E+22	2,535254E+22	2,501391E+22	2,501369E+22	2,535195E+22	2,527436E+22	2,421370E+22	2,245429E+22	2,105547E+22	2,105549E+22	2,245428E+22	2,421358E+22
-292	2,527410E+22	2,535158E+22	2,501296E+22	2,501279E+22	2,535136E+22	2,527412E+22	2,421383E+22	2,245458E+22	2,105565E+22	2,105538E+22	2,245390E+22	2,421305E+22
-291	2,527362E+22	2,535153E+22	2,501373E+22	2,501384E+22	2,535213E+22	2,527446E+22	2,421374E+22	2,245434E+22	2,105554E+22	2,105556E+22	2,245445E+22	2,421404E+22
-290	2,527464E+22	2,535185E+22	2,501336E+22	2,501335E+22	2,535168E+22	2,527412E+22	2,421351E+22	2,245412E+22	2,105524E+22	2,105525E+22	2,245402E+22	2,421321E+22
-289	2,527352E+22	2,535070E+22	2,501222E+22	2,501260E+22	2,535154E+22	2,527436E+22	2,421385E+22	2,245427E+22	2,105514E+22	2,105500E+22	2,245393E+22	2,421343E+22
-288	2,527410E+22	2,535181E+22	2,501350E+22	2,501338E+22	2,535184E+22	2,527431E+22	2,421351E+22	2,245379E+22	2,105472E+22	2,105481E+22	2,245415E+22	2,421409E+22
-287	2,527467E+22	2,535172E+22	2,501284E+22	2,501239E+22	2,535086E+22	2,527375E+22	2,421339E+22	2,245382E+22	2,105468E+22	2,105459E+22	2,245350E+22	2,421296E+22
-286	2,527349E+22	2,535084E+22	2,501263E+22	2,501286E+22	2,535141E+22	2,527405E+22	2,421352E+22	2,245395E+22	2,105483E+22	2,105470E+22	2,245367E+22	2,421343E+22
-285	2,527450E+22	2,535219E+22	2,501360E+22	2,501353E+22	2,535194E+22	2,527413E+22	2,421308E+22	2,245335E+22	2,105441E+22	2,105463E+22	2,245386E+22	2,421343E+22
-284	2,527391E+22	2,535126E+22	2,501257E+22	2,501243E+22	2,535128E+22	2,527410E+22	2,421342E+22	2,245368E+22	2,105451E+22	2,105445E+22	2,245348E+22	2,421302E+22
-283	2,527343E+22	2,535085E+22	2,501291E+22	2,501324E+22	2,535189E+22	2,527449E+22	2,421369E+22	2,245389E+22	2,105473E+22	2,105472E+22	2,245391E+22	2,421395E+22
-282	2,527485E+22	2,535195E+22	2,501319E+22	2,501315E+22	2,535162E+22	2,527418E+22	2,421358E+22	2,245402E+22	2,105490E+22	2,105482E+22	2,245372E+22	2,421318E+22
-281	2,527374E+22	2,535099E+22	2,501227E+22	2,501234E+22	2,535120E+22	2,527416E+22	2,421389E+22	2,245450E+22	2,105542E+22	2,105517E+22	2,245383E+22	2,421310E+22
-280	2,527374E+22	2,535171E+22	2,501375E+22	2,501361E+22	2,535181E+22	2,527418E+22	2,421359E+22	2,245427E+22	2,105551E+22	2,105559E+22	2,245454E+22	2,421408E+22
-279	2,527461E+22	2,535193E+22	2,501346E+22	2,501319E+22	2,535136E+22	2,527384E+22	2,421340E+22	2,245427E+22	2,105572E+22	2,105586E+22	2,245447E+22	2,421332E+22
-278	2,527343E+22	2,535075E+22	2,501269E+22	2,501313E+22	2,535173E+22	2,527428E+22	2,421382E+22	2,245463E+22	2,105602E+22	2,105605E+22	2,245470E+22	2,421393E+22
-277	2,527458E+22	2,535225E+22	2,501392E+22	2,501395E+22	2,535234E+22	2,527454E+22	2,421366E+22	2,245431E+22	2,105573E+22	2,105596E+22	2,245489E+22	2,421423E+22
-276	2,527462E+22	2,535194E+22	2,501333E+22	2,501298E+22	2,535138E+22	2,527416E+22	2,421391E+22	2,245479E+22	2,105603E+22	2,105583E+22	2,245429E+22	2,421339E+22
-275	2,527379E+22	2,535132E+22	2,501344E+22	2,501363E+22	2,535186E+22	2,527435E+22	2,421403E+22	2,245498E+22	2,105632E+22	2,105613E+22	2,245459E+22	2,421394E+22
-274	2,527489E+22	2,535263E+22	2,501425E+22	2,501407E+22	2,535205E+22	2,527422E+22	2,421374E+22	2,245474E+22	2,105617E+22	2,105615E+22	2,245458E+22	2,421341E+22
-273	2,527370E+22	2,535131E+22	2,501303E+22	2,501303E+22	2,535157E+22	2,527428E+22	2,421396E+22	2,245489E+22	2,105622E+22	2,105608E+22	2,245446E+22	2,421324E+22
-272	2,527342E+22	2,535126E+22	2,501371E+22	2,501392E+22	2,535215E+22	2,527450E+22	2,421384E+22	2,245452E+22	2,105586E+22	2,105596E+22	2,245481E+22	2,421429E+22
-271	2,527483E+22	2,535196E+22	2,501344E+22	2,501340E+22	2,535167E+22	2,527412E+22	2,421361E+22	2,245432E+22	2,105563E+22	2,105576E+22	2,245444E+22	2,421341E+22
-270	2,527365E+22	2,535078E+22	2,501223E+22	2,501251E+22	2,535134E+22	2,527419E+22	2,421385E+22	2,245457E+22	2,105567E+22	2,105550E+22	2,245419E+22	2,421355E+22
-269	2,527431E+22	2,535210E+22	2,501369E+22	2,501344E+22	2,535184E+22	2,527428E+22	2,421350E+22	2,245401E+22	2,105516E+22	2,105524E+22	2,245428E+22	2,421391E+22
-268	2,527453E+22	2,535191E+22	2,501336E+22	2,501288E+22	2,535101E+22	2,527367E+22	2,421336E+22	2,245408E+22	2,105518E+22	2,105505E+22	2,245374E+22	2,421300E+22
-267	2,527339E+22	2,535067E+22	2,501271E+22	2,501315E+22	2,535159E+22	2,527401E+22	2,421339E+22	2,245402E+22	2,105521E+22	2,105522E+22	2,245407E+22	2,421360E+22
-266	2,527452E+22	2,535214E+22	2,501364E+22	2,501368E+22	2,535208E+22	2,527430E+22	2,421336E+22	2,245374E+22	2,105485E+22	2,105506E+22	2,245412E+22	2,421349E+22
-265	2,527387E+22	2,535119E+22	2,501255E+22	2,501243E+22	2,535127E+22	2,527427E+22	2,421379E+22	2,245421E+22	2,105511E+22	2,105498E+22	2,245379E+22	2,421310E+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	2,527343E+22	2,535096E+22	2,501310E+22	2,501325E+22	2,535168E+22	2,527433E+22	2,421381E+22	2,245434E+22	2,105535E+22	2,105521E+22	2,245409E+22	2,421388E+22
-263	2,527488E+22	2,535224E+22	2,501363E+22	2,501342E+22	2,535155E+22	2,527397E+22	2,421352E+22	2,245430E+22	2,105561E+22	2,105566E+22	2,245421E+22	2,421315E+22
-262	2,527353E+22	2,535092E+22	2,501249E+22	2,501265E+22	2,535126E+22	2,527398E+22	2,421377E+22	2,245478E+22	2,105615E+22	2,105601E+22	2,245443E+22	2,421333E+22
-261	2,527378E+22	2,535174E+22	2,501382E+22	2,501384E+22	2,535214E+22	2,527440E+22	2,421363E+22	2,245443E+22	2,105596E+22	2,105616E+22	2,245497E+22	2,421423E+22
-260	2,527461E+22	2,535202E+22	2,501375E+22	2,501350E+22	2,535156E+22	2,527402E+22	2,421367E+22	2,245466E+22	2,105620E+22	2,105628E+22	2,245476E+22	2,421360E+22
-259	2,527368E+22	2,535081E+22	2,501277E+22	2,501325E+22	2,535173E+22	2,527426E+22	2,421394E+22	2,245501E+22	2,105655E+22	2,105651E+22	2,245495E+22	2,421404E+22
-258	2,527480E+22	2,535259E+22	2,501422E+22	2,501408E+22	2,535225E+22	2,527450E+22	2,421394E+22	2,245491E+22	2,105643E+22	2,105649E+22	2,245500E+22	2,421401E+22
-257	2,527441E+22	2,535203E+22	2,501366E+22	2,501325E+22	2,535138E+22	2,527415E+22	2,421412E+22	2,245533E+22	2,105682E+22	2,105658E+22	2,245466E+22	2,421327E+22
-256	2,527346E+22	2,535125E+22	2,501375E+22	2,501401E+22	2,535196E+22	2,527419E+22	2,421393E+22	2,245523E+22	2,105689E+22	2,105677E+22	2,245501E+22	2,421397E+22
-255	2,527471E+22	2,535253E+22	2,501437E+22	2,501436E+22	2,535228E+22	2,527426E+22	2,421365E+22	2,245477E+22	2,105660E+22	2,105687E+22	2,245521E+22	2,421366E+22
-254	2,527360E+22	2,535103E+22	2,501282E+22	2,501300E+22	2,535158E+22	2,527433E+22	2,421407E+22	2,245511E+22	2,105663E+22	2,105659E+22	2,245495E+22	2,421366E+22
-253	2,527375E+22	2,535139E+22	2,501354E+22	2,501373E+22	2,535210E+22	2,527456E+22	2,421398E+22	2,245476E+22	2,105615E+22	2,105618E+22	2,245491E+22	2,421431E+22
-252	2,527495E+22	2,535230E+22	2,501377E+22	2,501348E+22	2,535148E+22	2,527397E+22	2,421371E+22	2,245469E+22	2,105609E+22	2,105602E+22	2,245445E+22	2,421341E+22
-251	2,527375E+22	2,535097E+22	2,501253E+22	2,501274E+22	2,535125E+22	2,527387E+22	2,421365E+22	2,245470E+22	2,105612E+22	2,105598E+22	2,245439E+22	2,421347E+22
-250	2,527426E+22	2,535227E+22	2,501404E+22	2,501383E+22	2,535196E+22	2,527419E+22	2,421349E+22	2,245426E+22	2,105561E+22	2,105572E+22	2,245451E+22	2,421377E+22
-249	2,527420E+22	2,535174E+22	2,501350E+22	2,501324E+22	2,535133E+22	2,527394E+22	2,421357E+22	2,245436E+22	2,105562E+22	2,105557E+22	2,245413E+22	2,421310E+22
-248	2,527322E+22	2,535054E+22	2,501277E+22	2,501332E+22	2,535170E+22	2,527413E+22	2,421361E+22	2,245433E+22	2,105559E+22	2,105556E+22	2,245430E+22	2,421368E+22
-247	2,527456E+22	2,535222E+22	2,501374E+22	2,501380E+22	2,535214E+22	2,527439E+22	2,421357E+22	2,245412E+22	2,105544E+22	2,105567E+22	2,245447E+22	2,421353E+22
-246	2,527384E+22	2,535120E+22	2,501257E+22	2,501240E+22	2,535111E+22	2,527418E+22	2,421399E+22	2,245476E+22	2,105592E+22	2,105573E+22	2,245421E+22	2,421320E+22
-245	2,527352E+22	2,535115E+22	2,501321E+22	2,501332E+22	2,535163E+22	2,527423E+22	2,421387E+22	2,245474E+22	2,105605E+22	2,105592E+22	2,245447E+22	2,421382E+22
-244	2,527470E+22	2,535236E+22	2,501405E+22	2,501385E+22	2,535167E+22	2,527384E+22	2,421349E+22	2,245465E+22	2,105629E+22	2,105635E+22	2,245473E+22	2,421345E+22
-243	2,527357E+22	2,535084E+22	2,501256E+22	2,501289E+22	2,535139E+22	2,527389E+22	2,421360E+22	2,245486E+22	2,105661E+22	2,105667E+22	2,245500E+22	2,421370E+22
-242	2,527401E+22	2,535190E+22	2,501396E+22	2,501399E+22	2,535217E+22	2,527445E+22	2,421387E+22	2,245481E+22	2,105640E+22	2,105660E+22	2,245527E+22	2,421438E+22
-241	2,527470E+22	2,535218E+22	2,501396E+22	2,501369E+22	2,535161E+22	2,527413E+22	2,421398E+22	2,245516E+22	2,105678E+22	2,105674E+22	2,245498E+22	2,421362E+22
-240	2,527369E+22	2,535108E+22	2,501316E+22	2,501345E+22	2,535164E+22	2,527411E+22	2,421402E+22	2,245542E+22	2,105712E+22	2,105695E+22	2,245504E+22	2,421385E+22
-239	2,527466E+22	2,535282E+22	2,501473E+22	2,501454E+22	2,535239E+22	2,527442E+22	2,421392E+22	2,245519E+22	2,105711E+22	2,105727E+22	2,245540E+22	2,421387E+22
-238	2,527405E+22	2,535183E+22	2,501376E+22	2,501357E+22	2,535159E+22	2,527415E+22	2,421415E+22	2,245563E+22	2,105747E+22	2,105733E+22	2,245520E+22	2,421344E+22
-237	2,527336E+22	2,535106E+22	2,501354E+22	2,501406E+22	2,535224E+22	2,527445E+22	2,421409E+22	2,245544E+22	2,105729E+22	2,105725E+22	2,245540E+22	2,421412E+22
-236	2,527463E+22	2,535247E+22	2,501441E+22	2,501447E+22	2,535236E+22	2,527438E+22	2,421390E+22	2,245515E+22	2,105702E+22	2,105718E+22	2,245549E+22	2,421403E+22
-235	2,527387E+22	2,535106E+22	2,501271E+22	2,501286E+22	2,535139E+22	2,527412E+22	2,421406E+22	2,245538E+22	2,105707E+22	2,105698E+22	2,245518E+22	2,421384E+22
-234	2,527404E+22	2,535179E+22	2,501380E+22	2,501370E+22	2,535178E+22	2,527432E+22	2,421410E+22	2,245518E+22	2,105666E+22	2,105659E+22	2,245502E+22	2,421417E+22
-233	2,527483E+22	2,535248E+22	2,501417E+22	2,501379E+22	2,535143E+22	2,527379E+22	2,421371E+22	2,245500E+22	2,105664E+22	2,105657E+22	2,245475E+22	2,421332E+22
-232	2,527348E+22	2,535102E+22	2,501289E+22	2,501315E+22	2,535138E+22	2,527371E+22	2,421346E+22	2,245478E+22	2,105646E+22	2,105640E+22	2,245468E+22	2,421348E+22
-231	2,527409E+22	2,535223E+22	2,501423E+22	2,501420E+22	2,535231E+22	2,527435E+22	2,421347E+22	2,245427E+22	2,105595E+22	2,105627E+22	2,245492E+22	2,421389E+22
-230	2,527407E+22	2,535153E+22	2,501335E+22	2,501327E+22	2,535145E+22	2,527412E+22	2,421386E+22	2,245473E+22	2,105609E+22	2,105603E+22	2,245447E+22	2,421333E+22
-229	2,527342E+22	2,535065E+22	2,501261E+22	2,501321E+22	2,535174E+22	2,527425E+22	2,421390E+22	2,245482E+22	2,105612E+22	2,105594E+22	2,245441E+22	2,421361E+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	2,527450E+22	2,535244E+22	2,501407E+22	2,501397E+22	2,535203E+22	2,527425E+22	2,421375E+22	2,245469E+22	2,105617E+22	2,105618E+22	2,245468E+22	2,421360E+22
-227	2,527381E+22	2,535125E+22	2,501280E+22	2,501264E+22	2,535102E+22	2,527383E+22	2,421381E+22	2,245506E+22	2,105664E+22	2,105652E+22	2,245471E+22	2,421332E+22
-226	2,527349E+22	2,535131E+22	2,501353E+22	2,501363E+22	2,535166E+22	2,527410E+22	2,421389E+22	2,245506E+22	2,105665E+22	2,105664E+22	2,245499E+22	2,421394E+22
-225	2,527451E+22	2,535228E+22	2,501421E+22	2,501416E+22	2,535191E+22	2,527401E+22	2,421367E+22	2,245496E+22	2,105683E+22	2,105701E+22	2,245528E+22	2,421373E+22
-224	2,527361E+22	2,535095E+22	2,501278E+22	2,501311E+22	2,535151E+22	2,527393E+22	2,421373E+22	2,245514E+22	2,105702E+22	2,105706E+22	2,245527E+22	2,421388E+22
-223	2,527422E+22	2,535219E+22	2,501424E+22	2,501423E+22	2,535230E+22	2,527450E+22	2,421396E+22	2,245512E+22	2,105700E+22	2,105719E+22	2,245552E+22	2,421435E+22
-222	2,527466E+22	2,535228E+22	2,501414E+22	2,501385E+22	2,535163E+22	2,527413E+22	2,421420E+22	2,245570E+22	2,105754E+22	2,105741E+22	2,245529E+22	2,421362E+22
-221	2,527365E+22	2,535121E+22	2,501334E+22	2,501371E+22	2,535180E+22	2,527408E+22	2,421411E+22	2,245583E+22	2,105779E+22	2,105758E+22	2,245534E+22	2,421371E+22
-220	2,527427E+22	2,535270E+22	2,501500E+22	2,501495E+22	2,535261E+22	2,527443E+22	2,421398E+22	2,245555E+22	2,105772E+22	2,105785E+22	2,245586E+22	2,421415E+22
-219	2,527398E+22	2,535156E+22	2,501361E+22	2,501361E+22	2,535167E+22	2,527414E+22	2,421412E+22	2,245579E+22	2,105792E+22	2,105794E+22	2,245574E+22	2,421382E+22
-218	2,527359E+22	2,535118E+22	2,501350E+22	2,501388E+22	2,535201E+22	2,527440E+22	2,421435E+22	2,245582E+22	2,105768E+22	2,105762E+22	2,245564E+22	2,421426E+22
-217	2,527475E+22	2,535263E+22	2,501451E+22	2,501442E+22	2,535219E+22	2,527429E+22	2,421407E+22	2,245557E+22	2,105753E+22	2,105757E+22	2,245565E+22	2,421404E+22
-216	2,527395E+22	2,535144E+22	2,501314E+22	2,501301E+22	2,535118E+22	2,527377E+22	2,421389E+22	2,245556E+22	2,105747E+22	2,105730E+22	2,245522E+22	2,421369E+22
-215	2,527397E+22	2,535206E+22	2,501433E+22	2,501420E+22	2,535194E+22	2,527411E+22	2,421383E+22	2,245521E+22	2,105712E+22	2,105718E+22	2,245529E+22	2,421404E+22
-214	2,527450E+22	2,535232E+22	2,501433E+22	2,501419E+22	2,535178E+22	2,527389E+22	2,421373E+22	2,245519E+22	2,105708E+22	2,105710E+22	2,245514E+22	2,421345E+22
-213	2,527339E+22	2,535088E+22	2,501280E+22	2,501333E+22	2,535177E+22	2,527403E+22	2,421371E+22	2,245503E+22	2,105680E+22	2,105675E+22	2,245491E+22	2,421351E+22
-212	2,527390E+22	2,535212E+22	2,501431E+22	2,501439E+22	2,535250E+22	2,527459E+22	2,421387E+22	2,245480E+22	2,105646E+22	2,105658E+22	2,245512E+22	2,421412E+22
-211	2,527419E+22	2,535150E+22	2,501323E+22	2,501314E+22	2,535135E+22	2,527405E+22	2,421399E+22	2,245520E+22	2,105677E+22	2,105662E+22	2,245478E+22	2,421345E+22
-210	2,527357E+22	2,535093E+22	2,501281E+22	2,501310E+22	2,535140E+22	2,527405E+22	2,421413E+22	2,245539E+22	2,105688E+22	2,105662E+22	2,245473E+22	2,421357E+22
-209	2,527433E+22	2,535249E+22	2,501437E+22	2,501425E+22	2,535201E+22	2,527404E+22	2,421375E+22	2,245511E+22	2,105695E+22	2,105701E+22	2,245523E+22	2,421373E+22
-208	2,527368E+22	2,535130E+22	2,501308E+22	2,501294E+22	2,535111E+22	2,527359E+22	2,421354E+22	2,245512E+22	2,105710E+22	2,105714E+22	2,245523E+22	2,421360E+22
-207	2,527355E+22	2,535139E+22	2,501379E+22	2,501397E+22	2,535193E+22	2,527414E+22	2,421376E+22	2,245506E+22	2,105706E+22	2,105727E+22	2,245549E+22	2,421424E+22
-206	2,527462E+22	2,535230E+22	2,501425E+22	2,501426E+22	2,535201E+22	2,527412E+22	2,421388E+22	2,245531E+22	2,105728E+22	2,105744E+22	2,245558E+22	2,421395E+22
-205	2,527387E+22	2,535122E+22	2,501289E+22	2,501318E+22	2,535160E+22	2,527401E+22	2,421397E+22	2,245560E+22	2,105755E+22	2,105740E+22	2,245528E+22	2,421369E+22
-204	2,527409E+22	2,535243E+22	2,501474E+22	2,501462E+22	2,535240E+22	2,527449E+22	2,421418E+22	2,245569E+22	2,105771E+22	2,105765E+22	2,245564E+22	2,421428E+22
-203	2,527450E+22	2,535224E+22	2,501434E+22	2,501414E+22	2,535174E+22	2,527397E+22	2,421414E+22	2,245607E+22	2,105828E+22	2,105818E+22	2,245572E+22	2,421363E+22
-202	2,527350E+22	2,535122E+22	2,501350E+22	2,501386E+22	2,535186E+22	2,527415E+22	2,421433E+22	2,245624E+22	2,105841E+22	2,105826E+22	2,245581E+22	2,421381E+22
-201	2,527403E+22	2,535245E+22	2,501500E+22	2,501508E+22	2,535275E+22	2,527458E+22	2,421423E+22	2,245596E+22	2,105829E+22	2,105846E+22	2,245633E+22	2,421439E+22
-200	2,527403E+22	2,535161E+22	2,501368E+22	2,501359E+22	2,535156E+22	2,527400E+22	2,421414E+22	2,245606E+22	2,105834E+22	2,105833E+22	2,245601E+22	2,421403E+22
-199	2,527383E+22	2,535148E+22	2,501376E+22	2,501398E+22	2,535194E+22	2,527422E+22	2,421422E+22	2,245601E+22	2,105822E+22	2,105818E+22	2,245588E+22	2,421427E+22
-198	2,527476E+22	2,535279E+22	2,501476E+22	2,501452E+22	2,535209E+22	2,527412E+22	2,421408E+22	2,245589E+22	2,105811E+22	2,105813E+22	2,245592E+22	2,421404E+22
-197	2,527393E+22	2,535158E+22	2,501343E+22	2,501337E+22	2,535141E+22	2,527368E+22	2,421380E+22	2,245573E+22	2,105790E+22	2,105774E+22	2,245542E+22	2,421357E+22
-196	2,527366E+22	2,535197E+22	2,501464E+22	2,501470E+22	2,535236E+22	2,527425E+22	2,421386E+22	2,245540E+22	2,105749E+22	2,105752E+22	2,245559E+22	2,421427E+22
-195	2,527443E+22	2,535204E+22	2,501418E+22	2,501427E+22	2,535202E+22	2,527405E+22	2,421383E+22	2,245537E+22	2,105744E+22	2,105755E+22	2,245551E+22	2,421371E+22
-194	2,527357E+22	2,535098E+22	2,501279E+22	2,501315E+22	2,535161E+22	2,527415E+22	2,421414E+22	2,245553E+22	2,105725E+22	2,105711E+22	2,245510E+22	2,421356E+22
-193	2,527386E+22	2,535210E+22	2,501437E+22	2,501433E+22	2,535236E+22	2,527456E+22	2,421415E+22	2,245539E+22	2,105717E+22	2,105713E+22	2,245533E+22	2,421405E+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	2,527415E+22	2,535176E+22	2,501358E+22	2,501323E+22	2,535114E+22	2,527371E+22	2,421387E+22	2,245551E+22	2,105740E+22	2,105723E+22	2,245506E+22	2,421344E+22
-191	2,527353E+22	2,535113E+22	2,501325E+22	2,501347E+22	2,535147E+22	2,527376E+22	2,421377E+22	2,245547E+22	2,105752E+22	2,105743E+22	2,245521E+22	2,421364E+22
-190	2,527416E+22	2,535234E+22	2,501447E+22	2,501447E+22	2,535222E+22	2,527409E+22	2,421374E+22	2,245531E+22	2,105746E+22	2,105767E+22	2,245578E+22	2,421406E+22
-189	2,527380E+22	2,535130E+22	2,501317E+22	2,501320E+22	2,535142E+22	2,527376E+22	2,421367E+22	2,245534E+22	2,105745E+22	2,105750E+22	2,245547E+22	2,421374E+22
-188	2,527358E+22	2,535149E+22	2,501405E+22	2,501426E+22	2,535215E+22	2,527430E+22	2,421403E+22	2,245552E+22	2,105753E+22	2,105754E+22	2,245564E+22	2,421444E+22
-187	2,527478E+22	2,535241E+22	2,501436E+22	2,501430E+22	2,535203E+22	2,527413E+22	2,421406E+22	2,245580E+22	2,105799E+22	2,105803E+22	2,245581E+22	2,421394E+22
-186	2,527394E+22	2,535156E+22	2,501331E+22	2,501326E+22	2,535140E+22	2,527396E+22	2,421431E+22	2,245623E+22	2,105835E+22	2,105810E+22	2,245555E+22	2,421351E+22
-185	2,527371E+22	2,535228E+22	2,501504E+22	2,501499E+22	2,535255E+22	2,527444E+22	2,421430E+22	2,245623E+22	2,105859E+22	2,105853E+22	2,245613E+22	2,421424E+22
-184	2,527424E+22	2,535216E+22	2,501450E+22	2,501437E+22	2,535187E+22	2,527389E+22	2,421400E+22	2,245623E+22	2,105885E+22	2,105889E+22	2,245627E+22	2,421391E+22
-183	2,527353E+22	2,535119E+22	2,501358E+22	2,501398E+22	2,535196E+22	2,527414E+22	2,421423E+22	2,245635E+22	2,105891E+22	2,105892E+22	2,245631E+22	2,421413E+22
-182	2,527417E+22	2,535241E+22	2,501491E+22	2,501496E+22	2,535266E+22	2,527457E+22	2,421441E+22	2,245633E+22	2,105877E+22	2,105891E+22	2,245666E+22	2,421468E+22
-181	2,527436E+22	2,535188E+22	2,501385E+22	2,501367E+22	2,535150E+22	2,527385E+22	2,421416E+22	2,245635E+22	2,105877E+22	2,105864E+22	2,245604E+22	2,421391E+22
-180	2,527379E+22	2,535175E+22	2,501433E+22	2,501442E+22	2,535203E+22	2,527409E+22	2,421419E+22	2,245629E+22	2,105867E+22	2,105852E+22	2,245602E+22	2,421427E+22
-179	2,527466E+22	2,535277E+22	2,501498E+22	2,501485E+22	2,535231E+22	2,527405E+22	2,421394E+22	2,245602E+22	2,105857E+22	2,105870E+22	2,245627E+22	2,421406E+22
-178	2,527382E+22	2,535159E+22	2,501363E+22	2,501353E+22	2,535157E+22	2,527394E+22	2,421409E+22	2,245601E+22	2,105828E+22	2,105819E+22	2,245572E+22	2,421359E+22
-177	2,527342E+22	2,535167E+22	2,501462E+22	2,501486E+22	2,535260E+22	2,527457E+22	2,421424E+22	2,245585E+22	2,105800E+22	2,105797E+22	2,245584E+22	2,421431E+22
-176	2,527445E+22	2,535206E+22	2,501416E+22	2,501418E+22	2,535192E+22	2,527401E+22	2,421395E+22	2,245573E+22	2,105792E+22	2,105793E+22	2,245569E+22	2,421380E+22
-175	2,527371E+22	2,535118E+22	2,501298E+22	2,501312E+22	2,535145E+22	2,527398E+22	2,421409E+22	2,245587E+22	2,105796E+22	2,105778E+22	2,245538E+22	2,421355E+22
-174	2,527382E+22	2,535213E+22	2,501453E+22	2,501433E+22	2,535215E+22	2,527432E+22	2,421416E+22	2,245579E+22	2,105787E+22	2,105785E+22	2,245576E+22	2,421415E+22
-173	2,527413E+22	2,535177E+22	2,501380E+22	2,501354E+22	2,535123E+22	2,527347E+22	2,421366E+22	2,245565E+22	2,105791E+22	2,105784E+22	2,245546E+22	2,421350E+22
-172	2,527338E+22	2,535110E+22	2,501357E+22	2,501393E+22	2,535180E+22	2,527382E+22	2,421369E+22	2,245556E+22	2,105786E+22	2,105787E+22	2,245566E+22	2,421402E+22
-171	2,527430E+22	2,535227E+22	2,501445E+22	2,501454E+22	2,535235E+22	2,527416E+22	2,421378E+22	2,245548E+22	2,105785E+22	2,105814E+22	2,245614E+22	2,421432E+22
-170	2,527411E+22	2,535162E+22	2,501341E+22	2,501317E+22	2,535131E+22	2,527390E+22	2,421408E+22	2,245584E+22	2,105795E+22	2,105786E+22	2,245557E+22	2,421367E+22
-169	2,527355E+22	2,535163E+22	2,501438E+22	2,501449E+22	2,535220E+22	2,527435E+22	2,421433E+22	2,245616E+22	2,105833E+22	2,105812E+22	2,245573E+22	2,421415E+22
-168	2,527462E+22	2,535264E+22	2,501480E+22	2,501461E+22	2,535203E+22	2,527393E+22	2,421401E+22	2,245618E+22	2,105873E+22	2,105873E+22	2,245611E+22	2,421382E+22
-167	2,527372E+22	2,535159E+22	2,501372E+22	2,501371E+22	2,535162E+22	2,527387E+22	2,421414E+22	2,245649E+22	2,105915E+22	2,105903E+22	2,245612E+22	2,421357E+22
-166	2,527343E+22	2,535195E+22	2,501497E+22	2,501513E+22	2,535275E+22	2,527462E+22	2,421447E+22	2,245659E+22	2,105923E+22	2,105931E+22	2,245678E+22	2,421460E+22
-165	2,527431E+22	2,535202E+22	2,501445E+22	2,501450E+22	2,535203E+22	2,527399E+22	2,421417E+22	2,245655E+22	2,105931E+22	2,105938E+22	2,245665E+22	2,421415E+22
-164	2,527369E+22	2,535131E+22	2,501375E+22	2,501414E+22	2,535203E+22	2,527417E+22	2,421437E+22	2,245672E+22	2,105936E+22	2,105927E+22	2,245659E+22	2,421442E+22
-163	2,527444E+22	2,535260E+22	2,501500E+22	2,501491E+22	2,535250E+22	2,527442E+22	2,421442E+22	2,245666E+22	2,105936E+22	2,105946E+22	2,245693E+22	2,421475E+22
-162	2,527454E+22	2,535230E+22	2,501435E+22	2,501381E+22	2,535131E+22	2,527374E+22	2,421432E+22	2,245671E+22	2,105930E+22	2,105914E+22	2,245626E+22	2,421377E+22
-161	2,527352E+22	2,535167E+22	2,501464E+22	2,501487E+22	2,535227E+22	2,527410E+22	2,421422E+22	2,245659E+22	2,105923E+22	2,105910E+22	2,245632E+22	2,421416E+22
-160	2,527446E+22	2,535273E+22	2,501511E+22	2,501508E+22	2,535253E+22	2,527414E+22	2,421388E+22	2,245607E+22	2,105889E+22	2,105913E+22	2,245661E+22	2,421421E+22
-159	2,527384E+22	2,535158E+22	2,501371E+22	2,501362E+22	2,535165E+22	2,527401E+22	2,421410E+22	2,245619E+22	2,105870E+22	2,105864E+22	2,245598E+22	2,421369E+22
-158	2,527344E+22	2,535152E+22	2,501442E+22	2,501465E+22	2,535245E+22	2,527462E+22	2,421453E+22	2,245633E+22	2,105854E+22	2,105841E+22	2,245605E+22	2,421437E+22
-157	2,527456E+22	2,535217E+22	2,501429E+22	2,501425E+22	2,535179E+22	2,527382E+22	2,421398E+22	2,245608E+22	2,105847E+22	2,105836E+22	2,245578E+22	2,421365E+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	2,527361E+22	2,535133E+22	2,501341E+22	2,501349E+22	2,535145E+22	2,527375E+22	2,421397E+22	2,245612E+22	2,105846E+22	2,105828E+22	2,245572E+22	2,421365E+22
-155	2,527374E+22	2,535207E+22	2,501464E+22	2,501454E+22	2,535222E+22	2,527418E+22	2,421398E+22	2,245592E+22	2,105839E+22	2,105853E+22	2,245629E+22	2,421435E+22
-154	2,527419E+22	2,535189E+22	2,501404E+22	2,501368E+22	2,535130E+22	2,527365E+22	2,421387E+22	2,245586E+22	2,105827E+22	2,105832E+22	2,245585E+22	2,421365E+22
-153	2,527331E+22	2,535099E+22	2,501371E+22	2,501421E+22	2,535204E+22	2,527406E+22	2,421399E+22	2,245598E+22	2,105837E+22	2,105833E+22	2,245589E+22	2,421404E+22
-152	2,527441E+22	2,535250E+22	2,501462E+22	2,501463E+22	2,535238E+22	2,527419E+22	2,421390E+22	2,245584E+22	2,105839E+22	2,105859E+22	2,245632E+22	2,421433E+22
-151	2,527421E+22	2,535192E+22	2,501381E+22	2,501339E+22	2,535130E+22	2,527382E+22	2,421411E+22	2,245629E+22	2,105879E+22	2,105861E+22	2,245584E+22	2,421353E+22
-150	2,527337E+22	2,535156E+22	2,501456E+22	2,501469E+22	2,535221E+22	2,527431E+22	2,421452E+22	2,245673E+22	2,105920E+22	2,105899E+22	2,245624E+22	2,421417E+22
-149	2,527441E+22	2,535247E+22	2,501499E+22	2,501504E+22	2,535226E+22	2,527387E+22	2,421397E+22	2,245649E+22	2,105939E+22	2,105949E+22	2,245663E+22	2,421396E+22
-148	2,527356E+22	2,535144E+22	2,501388E+22	2,501406E+22	2,535190E+22	2,527401E+22	2,421421E+22	2,245671E+22	2,105959E+22	2,105961E+22	2,245674E+22	2,421408E+22
-147	2,527364E+22	2,535186E+22	2,501479E+22	2,501499E+22	2,535266E+22	2,527464E+22	2,421460E+22	2,245688E+22	2,105972E+22	2,105988E+22	2,245726E+22	2,421498E+22
-146	2,527472E+22	2,535240E+22	2,501462E+22	2,501432E+22	2,535174E+22	2,527399E+22	2,421447E+22	2,245698E+22	2,105980E+22	2,105978E+22	2,245682E+22	2,421417E+22
-145	2,527379E+22	2,535159E+22	2,501416E+22	2,501440E+22	2,535200E+22	2,527407E+22	2,421447E+22	2,245716E+22	2,106000E+22	2,105977E+22	2,245667E+22	2,421419E+22
-144	2,527443E+22	2,535295E+22	2,501547E+22	2,501523E+22	2,535247E+22	2,527415E+22	2,421420E+22	2,245679E+22	2,105984E+22	2,105996E+22	2,245714E+22	2,421462E+22
-143	2,527437E+22	2,535238E+22	2,501476E+22	2,501433E+22	2,535159E+22	2,527369E+22	2,421412E+22	2,245682E+22	2,105983E+22	2,105973E+22	2,245658E+22	2,421373E+22
-142	2,527325E+22	2,535137E+22	2,501459E+22	2,501506E+22	2,535252E+22	2,527436E+22	2,421448E+22	2,245689E+22	2,105966E+22	2,105958E+22	2,245668E+22	2,421427E+22
-141	2,527436E+22	2,535249E+22	2,501503E+22	2,501523E+22	2,535265E+22	2,527426E+22	2,421411E+22	2,245640E+22	2,105925E+22	2,105943E+22	2,245676E+22	2,421424E+22
-140	2,527384E+22	2,535160E+22	2,501378E+22	2,501373E+22	2,535167E+22	2,527408E+22	2,421433E+22	2,245659E+22	2,105914E+22	2,105900E+22	2,245624E+22	2,421385E+22
-139	2,527353E+22	2,535159E+22	2,501436E+22	2,501446E+22	2,535215E+22	2,527441E+22	2,421457E+22	2,245671E+22	2,105920E+22	2,105907E+22	2,245642E+22	2,421442E+22
-138	2,527461E+22	2,535243E+22	2,501461E+22	2,501429E+22	2,535153E+22	2,527364E+22	2,421405E+22	2,245642E+22	2,105906E+22	2,105900E+22	2,245618E+22	2,421364E+22
-137	2,527339E+22	2,535124E+22	2,501366E+22	2,501393E+22	2,535168E+22	2,527369E+22	2,421386E+22	2,245630E+22	2,105900E+22	2,105892E+22	2,245613E+22	2,421373E+22
-136	2,527374E+22	2,535214E+22	2,501474E+22	2,501473E+22	2,535235E+22	2,527416E+22	2,421384E+22	2,245590E+22	2,105866E+22	2,105898E+22	2,245670E+22	2,421464E+22
-135	2,527438E+22	2,535206E+22	2,501427E+22	2,501391E+22	2,535141E+22	2,527369E+22	2,421389E+22	2,245608E+22	2,105871E+22	2,105873E+22	2,245610E+22	2,421376E+22
-134	2,527340E+22	2,535106E+22	2,501376E+22	2,501424E+22	2,535201E+22	2,527417E+22	2,421435E+22	2,245653E+22	2,105898E+22	2,105879E+22	2,245607E+22	2,421398E+22
-133	2,527438E+22	2,535264E+22	2,501497E+22	2,501496E+22	2,535241E+22	2,527413E+22	2,421404E+22	2,245631E+22	2,105906E+22	2,105913E+22	2,245645E+22	2,421411E+22
-132	2,527399E+22	2,535201E+22	2,501425E+22	2,501393E+22	2,535153E+22	2,527381E+22	2,421418E+22	2,245669E+22	2,105944E+22	2,105930E+22	2,245632E+22	2,421362E+22
-131	2,527318E+22	2,535136E+22	2,501450E+22	2,501484E+22	2,535235E+22	2,527436E+22	2,421458E+22	2,245709E+22	2,105994E+22	2,105986E+22	2,245691E+22	2,421444E+22
-130	2,527443E+22	2,535249E+22	2,501507E+22	2,501506E+22	2,535228E+22	2,527409E+22	2,421431E+22	2,245688E+22	2,105995E+22	2,106012E+22	2,245716E+22	2,421424E+22
-129	2,527360E+22	2,535138E+22	2,501392E+22	2,501421E+22	2,535196E+22	2,527408E+22	2,421446E+22	2,245720E+22	2,106022E+22	2,106016E+22	2,245704E+22	2,421421E+22
-128	2,527392E+22	2,535222E+22	2,501495E+22	2,501497E+22	2,535248E+22	2,527444E+22	2,421458E+22	2,245718E+22	2,106026E+22	2,106038E+22	2,245752E+22	2,421507E+22
-127	2,527492E+22	2,535287E+22	2,501515E+22	2,501459E+22	2,535161E+22	2,527368E+22	2,421431E+22	2,245727E+22	2,106047E+22	2,106037E+22	2,245705E+22	2,421405E+22
-126	2,527361E+22	2,535163E+22	2,501444E+22	2,501471E+22	2,535206E+22	2,527396E+22	2,421451E+22	2,245750E+22	2,106062E+22	2,106041E+22	2,245703E+22	2,421413E+22
-125	2,527414E+22	2,535279E+22	2,501571E+22	2,501576E+22	2,535282E+22	2,527418E+22	2,421412E+22	2,245690E+22	2,106022E+22	2,106042E+22	2,245744E+22	2,421464E+22
-124	2,527417E+22	2,535221E+22	2,501486E+22	2,501470E+22	2,535196E+22	2,527395E+22	2,421427E+22	2,245697E+22	2,106004E+22	2,106007E+22	2,245698E+22	2,421402E+22
-123	2,527330E+22	2,535120E+22	2,501426E+22	2,501485E+22	2,535245E+22	2,527446E+22	2,421475E+22	2,245728E+22	2,106011E+22	2,106000E+22	2,245699E+22	2,421446E+22
-122	2,527452E+22	2,535271E+22	2,501508E+22	2,501501E+22	2,535236E+22	2,527426E+22	2,421443E+22	2,245687E+22	2,105976E+22	2,105980E+22	2,245689E+22	2,421417E+22
-121	2,527375E+22	2,535170E+22	2,501404E+22	2,501391E+22	2,535157E+22	2,527389E+22	2,421438E+22	2,245702E+22	2,105981E+22	2,105957E+22	2,245641E+22	2,421368E+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	2,527348E+22	2,535182E+22	2,501463E+22	2,501465E+22	2,535204E+22	2,527406E+22	2,421429E+22	2,245679E+22	2,105967E+22	2,105968E+22	2,245683E+22	2,421450E+22
-119	2,527454E+22	2,535255E+22	2,501492E+22	2,501466E+22	2,535170E+22	2,527351E+22	2,421381E+22	2,245648E+22	2,105953E+22	2,105958E+22	2,245662E+22	2,421380E+22
-118	2,527330E+22	2,535110E+22	2,501364E+22	2,501409E+22	2,535190E+22	2,527391E+22	2,421410E+22	2,245657E+22	2,105938E+22	2,105936E+22	2,245651E+22	2,421395E+22
-117	2,527380E+22	2,535211E+22	2,501485E+22	2,501502E+22	2,535251E+22	2,527425E+22	2,421404E+22	2,245622E+22	2,105902E+22	2,105924E+22	2,245681E+22	2,421467E+22
-116	2,527446E+22	2,535225E+22	2,501453E+22	2,501422E+22	2,535158E+22	2,527382E+22	2,421416E+22	2,245652E+22	2,105919E+22	2,105913E+22	2,245634E+22	2,421383E+22
-115	2,527343E+22	2,535119E+22	2,501386E+22	2,501424E+22	2,535187E+22	2,527409E+22	2,421456E+22	2,245710E+22	2,105981E+22	2,105956E+22	2,245647E+22	2,421395E+22
-114	2,527423E+22	2,535277E+22	2,501527E+22	2,501513E+22	2,535235E+22	2,527411E+22	2,421425E+22	2,245681E+22	2,105984E+22	2,105992E+22	2,245693E+22	2,421410E+22
-113	2,527369E+22	2,535183E+22	2,501442E+22	2,501435E+22	2,535182E+22	2,527387E+22	2,421425E+22	2,245708E+22	2,106021E+22	2,106014E+22	2,245686E+22	2,421380E+22
-112	2,527325E+22	2,535143E+22	2,501446E+22	2,501482E+22	2,535230E+22	2,527426E+22	2,421452E+22	2,245723E+22	2,106040E+22	2,106049E+22	2,245746E+22	2,421482E+22
-111	2,527468E+22	2,535272E+22	2,501523E+22	2,501512E+22	2,535217E+22	2,527391E+22	2,421429E+22	2,245723E+22	2,106054E+22	2,106062E+22	2,245747E+22	2,421443E+22
-110	2,527378E+22	2,535161E+22	2,501410E+22	2,501427E+22	2,535186E+22	2,527398E+22	2,421461E+22	2,245765E+22	2,106082E+22	2,106065E+22	2,245725E+22	2,421421E+22
-109	2,527392E+22	2,535244E+22	2,501545E+22	2,501543E+22	2,535247E+22	2,527416E+22	2,421447E+22	2,245743E+22	2,106077E+22	2,106082E+22	2,245763E+22	2,421489E+22
-108	2,527472E+22	2,535298E+22	2,501567E+22	2,501528E+22	2,535200E+22	2,527372E+22	2,421428E+22	2,245743E+22	2,106085E+22	2,106089E+22	2,245745E+22	2,421409E+22
-107	2,527338E+22	2,535147E+22	2,501444E+22	2,501492E+22	2,535232E+22	2,527414E+22	2,421463E+22	2,245776E+22	2,106112E+22	2,106102E+22	2,245750E+22	2,421426E+22
-106	2,527400E+22	2,535271E+22	2,501572E+22	2,501577E+22	2,535295E+22	2,527454E+22	2,421456E+22	2,245731E+22	2,106064E+22	2,106082E+22	2,245771E+22	2,421473E+22
-105	2,527407E+22	2,535205E+22	2,501479E+22	2,501480E+22	2,535211E+22	2,527413E+22	2,421462E+22	2,245752E+22	2,106065E+22	2,106051E+22	2,245711E+22	2,421403E+22
-104	2,527347E+22	2,535142E+22	2,501419E+22	2,501461E+22	2,535217E+22	2,527426E+22	2,421478E+22	2,245762E+22	2,106068E+22	2,106051E+22	2,245725E+22	2,421454E+22
-103	2,527460E+22	2,535299E+22	2,501540E+22	2,501511E+22	2,535212E+22	2,527386E+22	2,421428E+22	2,245723E+22	2,106045E+22	2,106042E+22	2,245722E+22	2,421419E+22
-102	2,527360E+22	2,535168E+22	2,501422E+22	2,501413E+22	2,535155E+22	2,527367E+22	2,421429E+22	2,245727E+22	2,106037E+22	2,106021E+22	2,245689E+22	2,421382E+22
-101	2,527332E+22	2,535171E+22	2,501488E+22	2,501509E+22	2,535225E+22	2,527395E+22	2,421408E+22	2,245677E+22	2,105995E+22	2,106009E+22	2,245720E+22	2,421471E+22
-100	2,527456E+22	2,535258E+22	2,501511E+22	2,501501E+22	2,535203E+22	2,527371E+22	2,421391E+22	2,245653E+22	2,105963E+22	2,105986E+22	2,245699E+22	2,421412E+22
-99	2,527348E+22	2,535117E+22	2,501353E+22	2,501399E+22	2,535187E+22	2,527402E+22	2,421438E+22	2,245700E+22	2,105985E+22	2,105974E+22	2,245672E+22	2,421404E+22
-98	2,527393E+22	2,535244E+22	2,501511E+22	2,501500E+22	2,535242E+22	2,527436E+22	2,421440E+22	2,245679E+22	2,105965E+22	2,105964E+22	2,245684E+22	2,421446E+22
-97	2,527428E+22	2,535235E+22	2,501490E+22	2,501460E+22	2,535170E+22	2,527375E+22	2,421432E+22	2,245710E+22	2,106003E+22	2,105982E+22	2,245650E+22	2,421359E+22
-96	2,527325E+22	2,535129E+22	2,501405E+22	2,501445E+22	2,535190E+22	2,527390E+22	2,421445E+22	2,245739E+22	2,106051E+22	2,106037E+22	2,245702E+22	2,421407E+22
-95	2,527405E+22	2,535273E+22	2,501550E+22	2,501544E+22	2,535250E+22	2,527400E+22	2,421417E+22	2,245712E+22	2,106052E+22	2,106066E+22	2,245750E+22	2,421435E+22
-94	2,527358E+22	2,535163E+22	2,501434E+22	2,501441E+22	2,535189E+22	2,527396E+22	2,421448E+22	2,245750E+22	2,106080E+22	2,106078E+22	2,245739E+22	2,421413E+22
-93	2,527334E+22	2,535146E+22	2,501462E+22	2,501502E+22	2,535230E+22	2,527416E+22	2,421456E+22	2,245755E+22	2,106089E+22	2,106093E+22	2,245772E+22	2,421499E+22
-92	2,527487E+22	2,535304E+22	2,501558E+22	2,501538E+22	2,535225E+22	2,527389E+22	2,421436E+22	2,245751E+22	2,106099E+22	2,106111E+22	2,245780E+22	2,421453E+22
-91	2,527385E+22	2,535184E+22	2,501436E+22	2,501440E+22	2,535177E+22	2,527384E+22	2,421468E+22	2,245807E+22	2,106151E+22	2,106132E+22	2,245761E+22	2,421421E+22
-90	2,527380E+22	2,535259E+22	2,501584E+22	2,501576E+22	2,535265E+22	2,527422E+22	2,421457E+22	2,245776E+22	2,106134E+22	2,106139E+22	2,245795E+22	2,421485E+22
-89	2,527442E+22	2,535277E+22	2,501581E+22	2,501574E+22	2,535248E+22	2,527395E+22	2,421442E+22	2,245774E+22	2,106140E+22	2,106144E+22	2,245774E+22	2,421417E+22
-88	2,527341E+22	2,535145E+22	2,501431E+22	2,501483E+22	2,535234E+22	2,527422E+22	2,421476E+22	2,245799E+22	2,106150E+22	2,106148E+22	2,245788E+22	2,421452E+22
-87	2,527411E+22	2,535279E+22	2,501577E+22	2,501570E+22	2,535279E+22	2,527440E+22	2,421469E+22	2,245778E+22	2,106123E+22	2,106122E+22	2,245788E+22	2,421478E+22
-86	2,527409E+22	2,535214E+22	2,501485E+22	2,501470E+22	2,535190E+22	2,527398E+22	2,421478E+22	2,245802E+22	2,106132E+22	2,106104E+22	2,245733E+22	2,421401E+22
-85	2,527339E+22	2,535153E+22	2,501459E+22	2,501489E+22	2,535203E+22	2,527386E+22	2,421455E+22	2,245781E+22	2,106117E+22	2,106100E+22	2,245747E+22	2,421449E+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												
-84	2,527449E+22	2,535306E+22	2,501576E+22	2,501558E+22	2,535239E+22	2,527378E+22	2,421411E+22	2,245724E+22	2,106074E+22	2,106094E+22	2,245770E+22	2,421439E+22
-83	2,527354E+22	2,535162E+22	2,501425E+22	2,501425E+22	2,535171E+22	2,527375E+22	2,421434E+22	2,245743E+22	2,106074E+22	2,106070E+22	2,245732E+22	2,421409E+22
-82	2,527338E+22	2,535177E+22	2,501498E+22	2,501515E+22	2,535239E+22	2,527421E+22	2,421436E+22	2,245707E+22	2,106026E+22	2,106035E+22	2,245735E+22	2,421478E+22
-81	2,527457E+22	2,535260E+22	2,501525E+22	2,501527E+22	2,535231E+22	2,527392E+22	2,421423E+22	2,245704E+22	2,106021E+22	2,106023E+22	2,245699E+22	2,421404E+22
-80	2,527364E+22	2,535149E+22	2,501369E+22	2,501391E+22	2,535171E+22	2,527388E+22	2,421445E+22	2,245740E+22	2,106050E+22	2,106032E+22	2,245695E+22	2,421397E+22
-79	2,527379E+22	2,535257E+22	2,501549E+22	2,501523E+22	2,535232E+22	2,527406E+22	2,421439E+22	2,245732E+22	2,106051E+22	2,106039E+22	2,245717E+22	2,421436E+22
-78	2,527394E+22	2,535217E+22	2,501503E+22	2,501489E+22	2,535188E+22	2,527369E+22	2,421434E+22	2,245751E+22	2,106082E+22	2,106068E+22	2,245711E+22	2,421377E+22
-77	2,527302E+22	2,535106E+22	2,501418E+22	2,501474E+22	2,535205E+22	2,527381E+22	2,421432E+22	2,245751E+22	2,106098E+22	2,106100E+22	2,245756E+22	2,421443E+22
-76	2,527416E+22	2,535270E+22	2,501556E+22	2,501561E+22	2,535268E+22	2,527414E+22	2,421430E+22	2,245727E+22	2,106080E+22	2,106114E+22	2,245805E+22	2,421480E+22
-75	2,527389E+22	2,535180E+22	2,501435E+22	2,501427E+22	2,535172E+22	2,527389E+22	2,421466E+22	2,245793E+22	2,106136E+22	2,106128E+22	2,245770E+22	2,421433E+22
-74	2,527359E+22	2,535189E+22	2,501503E+22	2,501510E+22	2,535222E+22	2,527411E+22	2,421470E+22	2,245798E+22	2,106149E+22	2,106138E+22	2,245781E+22	2,421484E+22
-73	2,527477E+22	2,535324E+22	2,501611E+22	2,501593E+22	2,535254E+22	2,527387E+22	2,421443E+22	2,245794E+22	2,106171E+22	2,106172E+22	2,245791E+22	2,421433E+22
-72	2,527376E+22	2,535198E+22	2,501464E+22	2,501469E+22	2,535196E+22	2,527381E+22	2,421461E+22	2,245829E+22	2,106209E+22	2,106199E+22	2,245804E+22	2,421427E+22
-71	2,527360E+22	2,535250E+22	2,501604E+22	2,501608E+22	2,535289E+22	2,527430E+22	2,421471E+22	2,245818E+22	2,106195E+22	2,106194E+22	2,245829E+22	2,421494E+22
-70	2,527427E+22	2,535253E+22	2,501570E+22	2,501578E+22	2,535263E+22	2,527418E+22	2,421480E+22	2,245828E+22	2,106201E+22	2,106198E+22	2,245810E+22	2,421434E+22
-69	2,527338E+22	2,535138E+22	2,501440E+22	2,501485E+22	2,535224E+22	2,527412E+22	2,421486E+22	2,245837E+22	2,106203E+22	2,106191E+22	2,245809E+22	2,421461E+22
-68	2,527422E+22	2,535295E+22	2,501599E+22	2,501577E+22	2,535273E+22	2,527432E+22	2,421474E+22	2,245803E+22	2,106168E+22	2,106177E+22	2,245826E+22	2,421488E+22
-67	2,527411E+22	2,535224E+22	2,501501E+22	2,501469E+22	2,535166E+22	2,527369E+22	2,421472E+22	2,245835E+22	2,106196E+22	2,106175E+22	2,245779E+22	2,421413E+22
-66	2,527335E+22	2,535164E+22	2,501489E+22	2,501514E+22	2,535216E+22	2,527380E+22	2,421439E+22	2,245792E+22	2,106160E+22	2,106152E+22	2,245783E+22	2,421460E+22
-65	2,527439E+22	2,535295E+22	2,501591E+22	2,501594E+22	2,535276E+22	2,527393E+22	2,421411E+22	2,245735E+22	2,106109E+22	2,106132E+22	2,245790E+22	2,421453E+22
-64	2,527375E+22	2,535173E+22	2,501424E+22	2,501418E+22	2,535172E+22	2,527380E+22	2,421440E+22	2,245757E+22	2,106099E+22	2,106100E+22	2,245755E+22	2,421427E+22
-63	2,527354E+22	2,535196E+22	2,501522E+22	2,501525E+22	2,535233E+22	2,527409E+22	2,421451E+22	2,245755E+22	2,106079E+22	2,106062E+22	2,245733E+22	2,421463E+22
-62	2,527447E+22	2,535265E+22	2,501543E+22	2,501536E+22	2,535228E+22	2,527389E+22	2,421442E+22	2,245758E+22	2,106093E+22	2,106079E+22	2,245716E+22	2,421385E+22
-61	2,527333E+22	2,535146E+22	2,501412E+22	2,501427E+22	2,535172E+22	2,527366E+22	2,421436E+22	2,245768E+22	2,106113E+22	2,106098E+22	2,245729E+22	2,421392E+22
-60	2,527355E+22	2,535243E+22	2,501570E+22	2,501562E+22	2,535264E+22	2,527414E+22	2,421436E+22	2,245745E+22	2,106098E+22	2,106114E+22	2,245782E+22	2,421459E+22
-59	2,527384E+22	2,535197E+22	2,501493E+22	2,501486E+22	2,535193E+22	2,527381E+22	2,421451E+22	2,245787E+22	2,106143E+22	2,106141E+22	2,245772E+22	2,421417E+22
-58	2,527319E+22	2,535112E+22	2,501423E+22	2,501473E+22	2,535211E+22	2,527394E+22	2,421452E+22	2,245789E+22	2,106149E+22	2,106145E+22	2,245786E+22	2,421466E+22
-57	2,527437E+22	2,535285E+22	2,501574E+22	2,501578E+22	2,535280E+22	2,527419E+22	2,421450E+22	2,245779E+22	2,106148E+22	2,106163E+22	2,245814E+22	2,421484E+22
-56	2,527421E+22	2,535225E+22	2,501470E+22	2,501430E+22	2,535153E+22	2,527368E+22	2,421466E+22	2,245829E+22	2,106201E+22	2,106191E+22	2,245801E+22	2,421433E+22
-55	2,527358E+22	2,535217E+22	2,501561E+22	2,501553E+22	2,535221E+22	2,527382E+22	2,421467E+22	2,245845E+22	2,106225E+22	2,106204E+22	2,245810E+22	2,421471E+22
-54	2,527446E+22	2,535311E+22	2,501635E+22	2,501635E+22	2,535289E+22	2,527399E+22	2,421451E+22	2,245832E+22	2,106242E+22	2,106248E+22	2,245841E+22	2,421441E+22
-53	2,527348E+22	2,535178E+22	2,501484E+22	2,501500E+22	2,535219E+22	2,527391E+22	2,421464E+22	2,245846E+22	2,106252E+22	2,106253E+22	2,245845E+22	2,421449E+22
-52	2,527363E+22	2,535236E+22	2,501602E+22	2,501619E+22	2,535307E+22	2,527452E+22	2,421495E+22	2,245843E+22	2,106231E+22	2,106242E+22	2,245870E+22	2,421516E+22
-51	2,527442E+22	2,535259E+22	2,501564E+22	2,501557E+22	2,535239E+22	2,527411E+22	2,421503E+22	2,245881E+22	2,106268E+22	2,106254E+22	2,245840E+22	2,421447E+22
-50	2,527353E+22	2,535165E+22	2,501465E+22	2,501483E+22	2,535205E+22	2,527394E+22	2,421486E+22	2,245873E+22	2,106262E+22	2,106240E+22	2,245824E+22	2,421451E+22
-49	2,527412E+22	2,535303E+22	2,501635E+22	2,501617E+22	2,535287E+22	2,527419E+22	2,421466E+22	2,245829E+22	2,106226E+22	2,106233E+22	2,245846E+22	2,421484E+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	2,527415E+22	2,535236E+22	2,501522E+22	2,501488E+22	2,535173E+22	2,527355E+22	2,421448E+22	2,245831E+22	2,106229E+22	2,106228E+22	2,245824E+22	2,421431E+22
-47	2,527331E+22	2,535162E+22	2,501510E+22	2,501539E+22	2,535229E+22	2,527379E+22	2,421444E+22	2,245813E+22	2,106192E+22	2,106184E+22	2,245804E+22	2,421468E+22
-46	2,527434E+22	2,535282E+22	2,501589E+22	2,501605E+22	2,535298E+22	2,527419E+22	2,421440E+22	2,245775E+22	2,106153E+22	2,106168E+22	2,245807E+22	2,421456E+22
-45	2,527372E+22	2,535178E+22	2,501447E+22	2,501429E+22	2,535170E+22	2,527377E+22	2,421450E+22	2,245789E+22	2,106145E+22	2,106133E+22	2,245762E+22	2,421420E+22
-44	2,527354E+22	2,535205E+22	2,501546E+22	2,501542E+22	2,535237E+22	2,527413E+22	2,421467E+22	2,245788E+22	2,106132E+22	2,106123E+22	2,245765E+22	2,421453E+22
-43	2,527428E+22	2,535261E+22	2,501559E+22	2,501545E+22	2,535217E+22	2,527374E+22	2,421450E+22	2,245805E+22	2,106171E+22	2,106160E+22	2,245768E+22	2,421395E+22
-42	2,527319E+22	2,535137E+22	2,501425E+22	2,501447E+22	2,535188E+22	2,527369E+22	2,421431E+22	2,245793E+22	2,106172E+22	2,106166E+22	2,245779E+22	2,421412E+22
-41	2,527351E+22	2,535227E+22	2,501571E+22	2,501581E+22	2,535289E+22	2,527433E+22	2,421450E+22	2,245773E+22	2,106151E+22	2,106170E+22	2,245818E+22	2,421490E+22
-40	2,527421E+22	2,535216E+22	2,501493E+22	2,501470E+22	2,535175E+22	2,527371E+22	2,421455E+22	2,245811E+22	2,106189E+22	2,106192E+22	2,245812E+22	2,421445E+22
-39	2,527351E+22	2,535150E+22	2,501462E+22	2,501486E+22	2,535192E+22	2,527368E+22	2,421459E+22	2,245841E+22	2,106213E+22	2,106189E+22	2,245796E+22	2,421458E+22
-38	2,527439E+22	2,535309E+22	2,501616E+22	2,501608E+22	2,535284E+22	2,527410E+22	2,421459E+22	2,245827E+22	2,106225E+22	2,106230E+22	2,245838E+22	2,421466E+22
-37	2,527393E+22	2,535235E+22	2,501533E+22	2,501489E+22	2,535171E+22	2,527353E+22	2,421453E+22	2,245852E+22	2,106261E+22	2,106255E+22	2,245834E+22	2,421428E+22
-36	2,527336E+22	2,535208E+22	2,501590E+22	2,501606E+22	2,535270E+22	2,527409E+22	2,421475E+22	2,245859E+22	2,106271E+22	2,106275E+22	2,245865E+22	2,421480E+22
-35	2,527426E+22	2,535288E+22	2,501628E+22	2,501640E+22	2,535302E+22	2,527425E+22	2,421486E+22	2,245879E+22	2,106305E+22	2,106316E+22	2,245894E+22	2,421470E+22
-34	2,527355E+22	2,535173E+22	2,501481E+22	2,501501E+22	2,535230E+22	2,527412E+22	2,421494E+22	2,245894E+22	2,106311E+22	2,106303E+22	2,245874E+22	2,421464E+22
-33	2,527375E+22	2,535241E+22	2,501604E+22	2,501620E+22	2,535307E+22	2,527457E+22	2,421517E+22	2,245895E+22	2,106300E+22	2,106294E+22	2,245883E+22	2,421518E+22
-32	2,527464E+22	2,535286E+22	2,501579E+22	2,501544E+22	2,535203E+22	2,527377E+22	2,421493E+22	2,245909E+22	2,106329E+22	2,106321E+22	2,245881E+22	2,421455E+22
-31	2,527354E+22	2,535185E+22	2,501508E+22	2,501517E+22	2,535192E+22	2,527350E+22	2,421466E+22	2,245900E+22	2,106316E+22	2,106295E+22	2,245857E+22	2,421452E+22
-30	2,527394E+22	2,535291E+22	2,501646E+22	2,501647E+22	2,535309E+22	2,527420E+22	2,421457E+22	2,245841E+22	2,106268E+22	2,106288E+22	2,245890E+22	2,421499E+22
-29	2,527401E+22	2,535227E+22	2,501544E+22	2,501514E+22	2,535187E+22	2,527361E+22	2,421444E+22	2,245827E+22	2,106240E+22	2,106252E+22	2,245848E+22	2,421451E+22
-28	2,527347E+22	2,535167E+22	2,501518E+22	2,501553E+22	2,535244E+22	2,527400E+22	2,421464E+22	2,245824E+22	2,106209E+22	2,106209E+22	2,245820E+22	2,421467E+22
-27	2,527439E+22	2,535294E+22	2,501594E+22	2,501594E+22	2,535281E+22	2,527421E+22	2,421469E+22	2,245827E+22	2,106213E+22	2,106210E+22	2,245818E+22	2,421446E+22
-26	2,527370E+22	2,535196E+22	2,501474E+22	2,501447E+22	2,535170E+22	2,527373E+22	2,421458E+22	2,245831E+22	2,106209E+22	2,106186E+22	2,245775E+22	2,421398E+22
-25	2,527330E+22	2,535195E+22	2,501564E+22	2,501579E+22	2,535260E+22	2,527415E+22	2,421474E+22	2,245828E+22	2,106204E+22	2,106189E+22	2,245794E+22	2,421451E+22
-24	2,527421E+22	2,535254E+22	2,501561E+22	2,501553E+22	2,535218E+22	2,527368E+22	2,421445E+22	2,245824E+22	2,106226E+22	2,106234E+22	2,245832E+22	2,421427E+22
-23	2,527322E+22	2,535135E+22	2,501440E+22	2,501464E+22	2,535183E+22	2,527359E+22	2,421443E+22	2,245832E+22	2,106224E+22	2,106218E+22	2,245818E+22	2,421434E+22
-22	2,527361E+22	2,535228E+22	2,501574E+22	2,501588E+22	2,535291E+22	2,527439E+22	2,421472E+22	2,245819E+22	2,106214E+22	2,106228E+22	2,245855E+22	2,421504E+22
-21	2,527431E+22	2,535245E+22	2,501535E+22	2,501490E+22	2,535167E+22	2,527356E+22	2,421452E+22	2,245838E+22	2,106241E+22	2,106243E+22	2,245836E+22	2,421448E+22
-20	2,527361E+22	2,535179E+22	2,501509E+22	2,501524E+22	2,535203E+22	2,527367E+22	2,421463E+22	2,245863E+22	2,106270E+22	2,106260E+22	2,245836E+22	2,421449E+22
-19	2,527421E+22	2,535314E+22	2,501648E+22	2,501643E+22	2,535296E+22	2,527408E+22	2,421468E+22	2,245872E+22	2,106303E+22	2,106312E+22	2,245891E+22	2,421477E+22
-18	2,527378E+22	2,535225E+22	2,501548E+22	2,501528E+22	2,535210E+22	2,527374E+22	2,421459E+22	2,245878E+22	2,106318E+22	2,106319E+22	2,245878E+22	2,421442E+22
-17	2,527327E+22	2,535185E+22	2,501582E+22	2,501627E+22	2,535303E+22	2,527445E+22	2,421510E+22	2,245902E+22	2,106326E+22	2,106325E+22	2,245896E+22	2,421503E+22
-16	2,527449E+22	2,535296E+22	2,501620E+22	2,501621E+22	2,535280E+22	2,527419E+22	2,421503E+22	2,245918E+22	2,106357E+22	2,106368E+22	2,245931E+22	2,421491E+22
-15	2,527374E+22	2,535199E+22	2,501506E+22	2,501501E+22	2,535193E+22	2,527377E+22	2,421504E+22	2,245948E+22	2,106376E+22	2,106350E+22	2,245888E+22	2,421455E+22
-14	2,527370E+22	2,535256E+22	2,501629E+22	2,501636E+22	2,535296E+22	2,527436E+22	2,421517E+22	2,245933E+22	2,106370E+22	2,106362E+22	2,245915E+22	2,421508E+22
-13	2,527441E+22	2,535298E+22	2,501625E+22	2,501585E+22	2,535207E+22	2,527350E+22	2,421462E+22	2,245909E+22	2,106366E+22	2,106372E+22	2,245918E+22	2,421463E+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	2,527347E+22	2,535185E+22	2,501531E+22	2,501558E+22	2,535228E+22	2,527367E+22	2,421460E+22	2,245890E+22	2,106336E+22	2,106342E+22	2,245899E+22	2,421464E+22
-11	2,527387E+22	2,535282E+22	2,501645E+22	2,501654E+22	2,535318E+22	2,527438E+22	2,421483E+22	2,245872E+22	2,106305E+22	2,106325E+22	2,245919E+22	2,421519E+22
-10	2,527410E+22	2,535230E+22	2,501546E+22	2,501528E+22	2,535205E+22	2,527380E+22	2,421468E+22	2,245865E+22	2,106280E+22	2,106276E+22	2,245851E+22	2,421444E+22
-9	2,527349E+22	2,535176E+22	2,501526E+22	2,501564E+22	2,535254E+22	2,527418E+22	2,421498E+22	2,245878E+22	2,106271E+22	2,106248E+22	2,245821E+22	2,421450E+22
-8	2,527436E+22	2,535309E+22	2,501611E+22	2,501592E+22	2,535254E+22	2,527397E+22	2,421473E+22	2,245866E+22	2,106280E+22	2,106280E+22	2,245858E+22	2,421444E+22
-7	2,527352E+22	2,535199E+22	2,501505E+22	2,501479E+22	2,535161E+22	2,527341E+22	2,421454E+22	2,245872E+22	2,106278E+22	2,106257E+22	2,245821E+22	2,421404E+22
-6	2,527309E+22	2,535173E+22	2,501557E+22	2,501596E+22	2,535276E+22	2,527420E+22	2,421475E+22	2,245853E+22	2,106264E+22	2,106265E+22	2,245856E+22	2,421477E+22
-5	2,527413E+22	2,535249E+22	2,501571E+22	2,501563E+22	2,535217E+22	2,527363E+22	2,421441E+22	2,245833E+22	2,106256E+22	2,106279E+22	2,245877E+22	2,421465E+22
-4	2,527354E+22	2,535158E+22	2,501456E+22	2,501478E+22	2,535188E+22	2,527362E+22	2,421451E+22	2,245846E+22	2,106258E+22	2,106263E+22	2,245849E+22	2,421446E+22
-3	2,527378E+22	2,535259E+22	2,501599E+22	2,501591E+22	2,535271E+22	2,527425E+22	2,421486E+22	2,245867E+22	2,106280E+22	2,106283E+22	2,245880E+22	2,421505E+22
-2	2,527433E+22	2,535271E+22	2,501580E+22	2,501539E+22	2,535188E+22	2,527352E+22	2,421453E+22	2,245871E+22	2,106303E+22	2,106300E+22	2,245857E+22	2,421432E+22
-1	2,527341E+22	2,535183E+22	2,501542E+22	2,501580E+22	2,535246E+22	2,527385E+22	2,421477E+22	2,245901E+22	2,106334E+22	2,106321E+22	2,245864E+22	2,421445E+22
1	2,527403E+22	2,535303E+22	2,501653E+22	2,501657E+22	2,535309E+22	2,527421E+22	2,421483E+22	2,245903E+22	2,106361E+22	2,106381E+22	2,245945E+22	2,421500E+22
2	2,527376E+22	2,535219E+22	2,501556E+22	2,501547E+22	2,535212E+22	2,527378E+22	2,421494E+22	2,245937E+22	2,106380E+22	2,106372E+22	2,245911E+22	2,421457E+22
3	2,527331E+22	2,535178E+22	2,501567E+22	2,501621E+22	2,535301E+22	2,527451E+22	2,421541E+22	2,245963E+22	2,106403E+22	2,106391E+22	2,245932E+22	2,421509E+22
4	2,527446E+22	2,535317E+22	2,501648E+22	2,501622E+22	2,535254E+22	2,527393E+22	2,421501E+22	2,245950E+22	2,106416E+22	2,106424E+22	2,245964E+22	2,421501E+22
5	2,527383E+22	2,535228E+22	2,501548E+22	2,501530E+22	2,535187E+22	2,527353E+22	2,421490E+22	2,245960E+22	2,106428E+22	2,106420E+22	2,245932E+22	2,421455E+22
6	2,527355E+22	2,535261E+22	2,501655E+22	2,501662E+22	2,535294E+22	2,527414E+22	2,421505E+22	2,245957E+22	2,106428E+22	2,106430E+22	2,245967E+22	2,421528E+22
7	2,527436E+22	2,535294E+22	2,501638E+22	2,501624E+22	2,535248E+22	2,527363E+22	2,421454E+22	2,245911E+22	2,106393E+22	2,106410E+22	2,245947E+22	2,421478E+22
8	2,527350E+22	2,535182E+22	2,501531E+22	2,501579E+22	2,535260E+22	2,527400E+22	2,421489E+22	2,245918E+22	2,106365E+22	2,106360E+22	2,245905E+22	2,421475E+22
9	2,527404E+22	2,535295E+22	2,501645E+22	2,501642E+22	2,535303E+22	2,527435E+22	2,421505E+22	2,245911E+22	2,106348E+22	2,106356E+22	2,245933E+22	2,421520E+22
10	2,527416E+22	2,535254E+22	2,501577E+22	2,501543E+22	2,535184E+22	2,527357E+22	2,421489E+22	2,245923E+22	2,106342E+22	2,106316E+22	2,245854E+22	2,421420E+22
11	2,527324E+22	2,535174E+22	2,501540E+22	2,501585E+22	2,535257E+22	2,527409E+22	2,421507E+22	2,245925E+22	2,106347E+22	2,106322E+22	2,245859E+22	2,421435E+22
12	2,527393E+22	2,535301E+22	2,501639E+22	2,501623E+22	2,535262E+22	2,527380E+22	2,421455E+22	2,245875E+22	2,106326E+22	2,106344E+22	2,245912E+22	2,421465E+22
13	2,527343E+22	2,535189E+22	2,501511E+22	2,501503E+22	2,535185E+22	2,527353E+22	2,421452E+22	2,245873E+22	2,106314E+22	2,106322E+22	2,245879E+22	2,421434E+22
14	2,527312E+22	2,535170E+22	2,501553E+22	2,501593E+22	2,535271E+22	2,527422E+22	2,421496E+22	2,245892E+22	2,106316E+22	2,106319E+22	2,245903E+22	2,421515E+22
15	2,527441E+22	2,535268E+22	2,501577E+22	2,501575E+22	2,535228E+22	2,527364E+22	2,421449E+22	2,245864E+22	2,106302E+22	2,106314E+22	2,245891E+22	2,421473E+22
16	2,527371E+22	2,535189E+22	2,501484E+22	2,501500E+22	2,535199E+22	2,527370E+22	2,421474E+22	2,245893E+22	2,106318E+22	2,106303E+22	2,245857E+22	2,421440E+22
17	2,527380E+22	2,535285E+22	2,501637E+22	2,501615E+22	2,535260E+22	2,527401E+22	2,421486E+22	2,245904E+22	2,106346E+22	2,106351E+22	2,245919E+22	2,421505E+22
18	2,527416E+22	2,535276E+22	2,501620E+22	2,501589E+22	2,535200E+22	2,527337E+22	2,421460E+22	2,245916E+22	2,106370E+22	2,106365E+22	2,245895E+22	2,421432E+22
19	2,527314E+22	2,535161E+22	2,501538E+22	2,501602E+22	2,535278E+22	2,527412E+22	2,421502E+22	2,245942E+22	2,106403E+22	2,106397E+22	2,245919E+22	2,421459E+22
20	2,527384E+22	2,535296E+22	2,501660E+22	2,501662E+22	2,535308E+22	2,527423E+22	2,421497E+22	2,245932E+22	2,106407E+22	2,106432E+22	2,245986E+22	2,421527E+22
21	2,527396E+22	2,535238E+22	2,501568E+22	2,501551E+22	2,535207E+22	2,527374E+22	2,421505E+22	2,245971E+22	2,106439E+22	2,106433E+22	2,245943E+22	2,421463E+22
22	2,527338E+22	2,535202E+22	2,501588E+22	2,501617E+22	2,535271E+22	2,527422E+22	2,421548E+22	2,246015E+22	2,106482E+22	2,106460E+22	2,245968E+22	2,421517E+22
23	2,527445E+22	2,535333E+22	2,501680E+22	2,501662E+22	2,535269E+22	2,527372E+22	2,421484E+22	2,245972E+22	2,106472E+22	2,106482E+22	2,245993E+22	2,421500E+22
24	2,527371E+22	2,535233E+22	2,501578E+22	2,501578E+22	2,535227E+22	2,527367E+22	2,421492E+22	2,245979E+22	2,106469E+22	2,106463E+22	2,245963E+22	2,421470E+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												
25	2,527351E+22	2,535258E+22	2,501666E+22	2,501676E+22	2,535304E+22	2,527419E+22	2,421511E+22	2,245972E+22	2,106461E+22	2,106475E+22	2,246009E+22	2,421554E+22
26	2,527442E+22	2,535296E+22	2,501653E+22	2,501647E+22	2,535255E+22	2,527371E+22	2,421487E+22	2,245956E+22	2,106433E+22	2,106438E+22	2,245958E+22	2,421480E+22
27	2,527350E+22	2,535184E+22	2,501527E+22	2,501579E+22	2,535270E+22	2,527417E+22	2,421522E+22	2,245972E+22	2,106429E+22	2,106409E+22	2,245922E+22	2,421460E+22
28	2,527382E+22	2,535307E+22	2,501670E+22	2,501645E+22	2,535287E+22	2,527420E+22	2,421509E+22	2,245945E+22	2,106403E+22	2,106406E+22	2,245955E+22	2,421516E+22
29	2,527407E+22	2,535265E+22	2,501607E+22	2,501571E+22	2,535188E+22	2,527340E+22	2,421480E+22	2,245944E+22	2,106403E+22	2,106391E+22	2,245898E+22	2,421422E+22
30	2,527301E+22	2,535161E+22	2,501543E+22	2,501591E+22	2,535253E+22	2,527390E+22	2,421501E+22	2,245954E+22	2,106410E+22	2,106397E+22	2,245921E+22	2,421470E+22
31	2,527391E+22	2,535282E+22	2,501629E+22	2,501641E+22	2,535290E+22	2,527387E+22	2,421450E+22	2,245882E+22	2,106357E+22	2,106387E+22	2,245953E+22	2,421500E+22
32	2,527364E+22	2,535199E+22	2,501514E+22	2,501509E+22	2,535197E+22	2,527368E+22	2,421472E+22	2,245899E+22	2,106341E+22	2,106340E+22	2,245895E+22	2,421459E+22
33	2,527341E+22	2,535199E+22	2,501568E+22	2,501580E+22	2,535241E+22	2,527397E+22	2,421500E+22	2,245925E+22	2,106363E+22	2,106356E+22	2,245919E+22	2,421523E+22
34	2,527457E+22	2,535308E+22	2,501629E+22	2,501605E+22	2,535215E+22	2,527340E+22	2,421461E+22	2,245913E+22	2,106363E+22	2,106358E+22	2,245894E+22	2,421448E+22
35	2,527351E+22	2,535200E+22	2,501519E+22	2,501542E+22	2,535221E+22	2,527368E+22	2,421482E+22	2,245938E+22	2,106396E+22	2,106377E+22	2,245889E+22	2,421417E+22
36	2,527333E+22	2,535278E+22	2,501672E+22	2,501657E+22	2,535286E+22	2,527402E+22	2,421484E+22	2,245927E+22	2,106400E+22	2,106414E+22	2,245964E+22	2,421517E+22
37	2,527401E+22	2,535266E+22	2,501634E+22	2,501621E+22	2,535234E+22	2,527360E+22	2,421475E+22	2,245942E+22	2,106427E+22	2,106438E+22	2,245945E+22	2,421450E+22
38	2,527306E+22	2,535149E+22	2,501530E+22	2,501595E+22	2,535273E+22	2,527419E+22	2,421536E+22	2,246004E+22	2,106479E+22	2,106467E+22	2,245970E+22	2,421492E+22
39	2,527398E+22	2,535298E+22	2,501658E+22	2,501669E+22	2,535318E+22	2,527422E+22	2,421509E+22	2,245977E+22	2,106473E+22	2,106489E+22	2,246013E+22	2,421538E+22
40	2,527409E+22	2,535265E+22	2,501596E+22	2,501565E+22	2,535206E+22	2,527370E+22	2,421519E+22	2,246017E+22	2,106507E+22	2,106489E+22	2,245972E+22	2,421473E+22
41	2,527341E+22	2,535223E+22	2,501624E+22	2,501636E+22	2,535253E+22	2,527383E+22	2,421530E+22	2,246043E+22	2,106548E+22	2,106535E+22	2,246021E+22	2,421536E+22
42	2,527443E+22	2,535341E+22	2,501717E+22	2,501706E+22	2,535283E+22	2,527359E+22	2,421480E+22	2,245995E+22	2,106521E+22	2,106537E+22	2,246030E+22	2,421512E+22
43	2,527362E+22	2,535222E+22	2,501582E+22	2,501601E+22	2,535261E+22	2,527394E+22	2,421510E+22	2,246004E+22	2,106513E+22	2,106514E+22	2,245999E+22	2,421480E+22
44	2,527345E+22	2,535264E+22	2,501681E+22	2,501682E+22	2,535307E+22	2,527426E+22	2,421525E+22	2,245993E+22	2,106486E+22	2,106497E+22	2,246023E+22	2,421567E+22
45	2,527459E+22	2,535317E+22	2,501671E+22	2,501655E+22	2,535258E+22	2,527372E+22	2,421498E+22	2,245987E+22	2,106484E+22	2,106480E+22	2,245965E+22	2,421465E+22
46	2,527340E+22	2,535197E+22	2,501548E+22	2,501578E+22	2,535252E+22	2,527401E+22	2,421536E+22	2,246025E+22	2,106504E+22	2,106473E+22	2,245950E+22	2,421456E+22
47	2,527364E+22	2,535296E+22	2,501685E+22	2,501678E+22	2,535307E+22	2,527406E+22	2,421495E+22	2,245965E+22	2,106456E+22	2,106462E+22	2,245982E+22	2,421512E+22
48	2,527387E+22	2,535254E+22	2,501615E+22	2,501594E+22	2,535216E+22	2,527355E+22	2,421485E+22	2,245965E+22	2,106445E+22	2,106435E+22	2,245937E+22	2,421448E+22
49	2,527302E+22	2,535151E+22	2,501542E+22	2,501588E+22	2,535245E+22	2,527380E+22	2,421501E+22	2,245973E+22	2,106449E+22	2,106445E+22	2,245967E+22	2,421509E+22
50	2,527414E+22	2,535291E+22	2,501641E+22	2,501645E+22	2,535277E+22	2,527378E+22	2,421472E+22	2,245923E+22	2,106399E+22	2,106418E+22	2,245966E+22	2,421508E+22
51	2,527379E+22	2,535217E+22	2,501528E+22	2,501515E+22	2,535201E+22	2,527374E+22	2,421492E+22	2,245945E+22	2,106404E+22	2,106392E+22	2,245911E+22	2,421443E+22
52	2,527331E+22	2,535231E+22	2,501618E+22	2,501600E+22	2,535230E+22	2,527375E+22	2,421493E+22	2,245950E+22	2,106415E+22	2,106407E+22	2,245939E+22	2,421514E+22
53	2,527446E+22	2,535325E+22	2,501677E+22	2,501655E+22	2,535240E+22	2,527331E+22	2,421448E+22	2,245936E+22	2,106431E+22	2,106435E+22	2,245932E+22	2,421439E+22
54	2,527320E+22	2,535184E+22	2,501535E+22	2,501568E+22	2,535244E+22	2,527375E+22	2,421490E+22	2,245979E+22	2,106471E+22	2,106461E+22	2,245951E+22	2,421444E+22
55	2,527320E+22	2,535243E+22	2,501659E+22	2,501680E+22	2,535326E+22	2,527425E+22	2,421499E+22	2,245955E+22	2,106451E+22	2,106471E+22	2,246004E+22	2,421542E+22
56	2,527412E+22	2,535267E+22	2,501633E+22	2,501624E+22	2,535247E+22	2,527383E+22	2,421512E+22	2,245995E+22	2,106483E+22	2,106479E+22	2,245976E+22	2,421479E+22
57	2,527329E+22	2,535170E+22	2,501544E+22	2,501578E+22	2,535236E+22	2,527389E+22	2,421543E+22	2,246054E+22	2,106551E+22	2,106531E+22	2,246007E+22	2,421510E+22
58	2,527416E+22	2,535329E+22	2,501704E+22	2,501689E+22	2,535295E+22	2,527393E+22	2,421517E+22	2,246024E+22	2,106545E+22	2,106551E+22	2,246038E+22	2,421531E+22
59	2,527401E+22	2,535277E+22	2,501633E+22	2,501605E+22	2,535226E+22	2,527364E+22	2,421515E+22	2,246047E+22	2,106577E+22	2,106567E+22	2,246015E+22	2,421466E+22
60	2,527317E+22	2,535228E+22	2,501659E+22	2,501671E+22	2,535275E+22	2,527382E+22	2,421515E+22	2,246046E+22	2,106583E+22	2,106587E+22	2,246064E+22	2,421558E+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												
61	2,527448E+22	2,535346E+22	2,501739E+22	2,501739E+22	2,535318E+22	2,527381E+22	2,421488E+22	2,246012E+22	2,106562E+22	2,106585E+22	2,246059E+22	2,421523E+22
62	2,527364E+22	2,535220E+22	2,501583E+22	2,501598E+22	2,535262E+22	2,527405E+22	2,421542E+22	2,246057E+22	2,106573E+22	2,106560E+22	2,246023E+22	2,421492E+22
63	2,527349E+22	2,535257E+22	2,501680E+22	2,501694E+22	2,535320E+22	2,527432E+22	2,421543E+22	2,246035E+22	2,106541E+22	2,106535E+22	2,246026E+22	2,421552E+22
64	2,527455E+22	2,535333E+22	2,501699E+22	2,501670E+22	2,535258E+22	2,527373E+22	2,421516E+22	2,246031E+22	2,106540E+22	2,106525E+22	2,245986E+22	2,421462E+22
65	2,527322E+22	2,535193E+22	2,501566E+22	2,501583E+22	2,535228E+22	2,527363E+22	2,421519E+22	2,246052E+22	2,106566E+22	2,106545E+22	2,246002E+22	2,421475E+22
66	2,527356E+22	2,535283E+22	2,501695E+22	2,501693E+22	2,535310E+22	2,527400E+22	2,421495E+22	2,245982E+22	2,106500E+22	2,106516E+22	2,246023E+22	2,421531E+22
67	2,527388E+22	2,535241E+22	2,501609E+22	2,501597E+22	2,535229E+22	2,527369E+22	2,421495E+22	2,245985E+22	2,106486E+22	2,106485E+22	2,245974E+22	2,421462E+22
68	2,527313E+22	2,535170E+22	2,501558E+22	2,501585E+22	2,535230E+22	2,527365E+22	2,421496E+22	2,245986E+22	2,106475E+22	2,106469E+22	2,245983E+22	2,421525E+22
69	2,527442E+22	2,535329E+22	2,501679E+22	2,501665E+22	2,535276E+22	2,527363E+22	2,421463E+22	2,245948E+22	2,106452E+22	2,106463E+22	2,245971E+22	2,421491E+22
70	2,527370E+22	2,535235E+22	2,501570E+22	2,501539E+22	2,535198E+22	2,527360E+22	2,421498E+22	2,245989E+22	2,106476E+22	2,106457E+22	2,245939E+22	2,421435E+22
71	2,527306E+22	2,535215E+22	2,501644E+22	2,501657E+22	2,535276E+22	2,527383E+22	2,421491E+22	2,245973E+22	2,106469E+22	2,106465E+22	2,245967E+22	2,421504E+22
72	2,527422E+22	2,535313E+22	2,501693E+22	2,501690E+22	2,535286E+22	2,527371E+22	2,421476E+22	2,245970E+22	2,106481E+22	2,106487E+22	2,245978E+22	2,421464E+22
73	2,527311E+22	2,535166E+22	2,501533E+22	2,501565E+22	2,535241E+22	2,527381E+22	2,421515E+22	2,246026E+22	2,106537E+22	2,106530E+22	2,246007E+22	2,421483E+22
74	2,527342E+22	2,535243E+22	2,501659E+22	2,501675E+22	2,535315E+22	2,527431E+22	2,421535E+22	2,246016E+22	2,106522E+22	2,106529E+22	2,246032E+22	2,421553E+22
75	2,527427E+22	2,535282E+22	2,501643E+22	2,501622E+22	2,535240E+22	2,527383E+22	2,421535E+22	2,246054E+22	2,106570E+22	2,106558E+22	2,246013E+22	2,421475E+22
76	2,527330E+22	2,535206E+22	2,501592E+22	2,501595E+22	2,535213E+22	2,527351E+22	2,421526E+22	2,246080E+22	2,106614E+22	2,106599E+22	2,246049E+22	2,421523E+22
77	2,527422E+22	2,535351E+22	2,501752E+22	2,501735E+22	2,535308E+22	2,527369E+22	2,421487E+22	2,246039E+22	2,106610E+22	2,106629E+22	2,246084E+22	2,421537E+22
78	2,527386E+22	2,535273E+22	2,501657E+22	2,501636E+22	2,535250E+22	2,527372E+22	2,421517E+22	2,246070E+22	2,106631E+22	2,106634E+22	2,246070E+22	2,421496E+22
79	2,527320E+22	2,535212E+22	2,501661E+22	2,501702E+22	2,535312E+22	2,527404E+22	2,421526E+22	2,246059E+22	2,106609E+22	2,106615E+22	2,246078E+22	2,421564E+22
80	2,527459E+22	2,535358E+22	2,501748E+22	2,501746E+22	2,535332E+22	2,527409E+22	2,421525E+22	2,246055E+22	2,106599E+22	2,106603E+22	2,246065E+22	2,421527E+22
81	2,527368E+22	2,535235E+22	2,501602E+22	2,501593E+22	2,535234E+22	2,527384E+22	2,421553E+22	2,246106E+22	2,106640E+22	2,106613E+22	2,246043E+22	2,421489E+22
82	2,527345E+22	2,535263E+22	2,501706E+22	2,501709E+22	2,535304E+22	2,527415E+22	2,421554E+22	2,246078E+22	2,106607E+22	2,106592E+22	2,246044E+22	2,421530E+22
83	2,527425E+22	2,535318E+22	2,501712E+22	2,501696E+22	2,535275E+22	2,527374E+22	2,421518E+22	2,246062E+22	2,106606E+22	2,106600E+22	2,246032E+22	2,421456E+22
84	2,527298E+22	2,535187E+22	2,501580E+22	2,501596E+22	2,535229E+22	2,527353E+22	2,421503E+22	2,246051E+22	2,106595E+22	2,106593E+22	2,246050E+22	2,421507E+22
85	2,527370E+22	2,535287E+22	2,501704E+22	2,501706E+22	2,535317E+22	2,527399E+22	2,421489E+22	2,245996E+22	2,106540E+22	2,106562E+22	2,246053E+22	2,421548E+22
86	2,527402E+22	2,535250E+22	2,501614E+22	2,501595E+22	2,535224E+22	2,527369E+22	2,421511E+22	2,246023E+22	2,106537E+22	2,106532E+22	2,246002E+22	2,421478E+22
87	2,527328E+22	2,535178E+22	2,501574E+22	2,501609E+22	2,535243E+22	2,527365E+22	2,421499E+22	2,246010E+22	2,106517E+22	2,106505E+22	2,245987E+22	2,421509E+22
88	2,527440E+22	2,535354E+22	2,501722E+22	2,501699E+22	2,535291E+22	2,527373E+22	2,421480E+22	2,245985E+22	2,106503E+22	2,106506E+22	2,245996E+22	2,421488E+22
89	2,527349E+22	2,535231E+22	2,501598E+22	2,501568E+22	2,535200E+22	2,527344E+22	2,421494E+22	2,246023E+22	2,106544E+22	2,106533E+22	2,245993E+22	2,421454E+22
90	2,527297E+22	2,535194E+22	2,501647E+22	2,501676E+22	2,535294E+22	2,527405E+22	2,421517E+22	2,246009E+22	2,106527E+22	2,106528E+22	2,246010E+22	2,421517E+22
91	2,527416E+22	2,535296E+22	2,501685E+22	2,501693E+22	2,535300E+22	2,527399E+22	2,421512E+22	2,246018E+22	2,106545E+22	2,106554E+22	2,246021E+22	2,421476E+22
92	2,527323E+22	2,535186E+22	2,501544E+22	2,501554E+22	2,535211E+22	2,527362E+22	2,421521E+22	2,246062E+22	2,106592E+22	2,106581E+22	2,246039E+22	2,421505E+22
93	2,527372E+22	2,535284E+22	2,501696E+22	2,501689E+22	2,535297E+22	2,527402E+22	2,421523E+22	2,246055E+22	2,106603E+22	2,106600E+22	2,246058E+22	2,421546E+22
94	2,527426E+22	2,535306E+22	2,501686E+22	2,501649E+22	2,535231E+22	2,527355E+22	2,421525E+22	2,246091E+22	2,106648E+22	2,106639E+22	2,246060E+22	2,421481E+22
95	2,527318E+22	2,535199E+22	2,501623E+22	2,501656E+22	2,535253E+22	2,527349E+22	2,421508E+22	2,246087E+22	2,106658E+22	2,106655E+22	2,246084E+22	2,421526E+22
96	2,527412E+22	2,535355E+22	2,501782E+22	2,501779E+22	2,535351E+22	2,527403E+22	2,421508E+22	2,246060E+22	2,106641E+22	2,106666E+22	2,246122E+22	2,421560E+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	2,527382E+22	2,535264E+22	2,501666E+22	2,501648E+22	2,535251E+22	2,527378E+22	2,421540E+22	2,246110E+22	2,106683E+22	2,106682E+22	2,246105E+22	2,421517E+22
98	2,527334E+22	2,535215E+22	2,501664E+22	2,501705E+22	2,535313E+22	2,527425E+22	2,421569E+22	2,246114E+22	2,106668E+22	2,106658E+22	2,246087E+22	2,421548E+22
99	2,527452E+22	2,535368E+22	2,501761E+22	2,501749E+22	2,535331E+22	2,527419E+22	2,421555E+22	2,246112E+22	2,106676E+22	2,106671E+22	2,246087E+22	2,421502E+22
100	2,527348E+22	2,535251E+22	2,501633E+22	2,501606E+22	2,535210E+22	2,527350E+22	2,421540E+22	2,246132E+22	2,106699E+22	2,106678E+22	2,246085E+22	2,421496E+22
101	2,527338E+22	2,535263E+22	2,501725E+22	2,501739E+22	2,535312E+22	2,527391E+22	2,421525E+22	2,246092E+22	2,106670E+22	2,106666E+22	2,246093E+22	2,421543E+22
102	2,527410E+22	2,535299E+22	2,501705E+22	2,501704E+22	2,535283E+22	2,527375E+22	2,421517E+22	2,246078E+22	2,106650E+22	2,106662E+22	2,246092E+22	2,421498E+22
103	2,527312E+22	2,535172E+22	2,501572E+22	2,501613E+22	2,535245E+22	2,527361E+22	2,421505E+22	2,246054E+22	2,106607E+22	2,106612E+22	2,246068E+22	2,421525E+22
104	2,527399E+22	2,535318E+22	2,501723E+22	2,501713E+22	2,535316E+22	2,527409E+22	2,421512E+22	2,246024E+22	2,106562E+22	2,106574E+22	2,246062E+22	2,421555E+22
105	2,527411E+22	2,535278E+22	2,501649E+22	2,501607E+22	2,535201E+22	2,527345E+22	2,421514E+22	2,246059E+22	2,106594E+22	2,106577E+22	2,246018E+22	2,421473E+22
106	2,527327E+22	2,535195E+22	2,501611E+22	2,501641E+22	2,535250E+22	2,527367E+22	2,421514E+22	2,246046E+22	2,106576E+22	2,106558E+22	2,246000E+22	2,421478E+22
107	2,527404E+22	2,535341E+22	2,501740E+22	2,501738E+22	2,535327E+22	2,527398E+22	2,421500E+22	2,246025E+22	2,106571E+22	2,106579E+22	2,246034E+22	2,421477E+22
108	2,527325E+22	2,535225E+22	2,501609E+22	2,501587E+22	2,535209E+22	2,527350E+22	2,421503E+22	2,246048E+22	2,106594E+22	2,106593E+22	2,246044E+22	2,421484E+22
109	2,527308E+22	2,535192E+22	2,501644E+22	2,501683E+22	2,535294E+22	2,527403E+22	2,421527E+22	2,246054E+22	2,106598E+22	2,106593E+22	2,246049E+22	2,421531E+22
110	2,527421E+22	2,535299E+22	2,501683E+22	2,501686E+22	2,535286E+22	2,527394E+22	2,421535E+22	2,246075E+22	2,106625E+22	2,106629E+22	2,246070E+22	2,421499E+22
111	2,527336E+22	2,535199E+22	2,501569E+22	2,501579E+22	2,535207E+22	2,527342E+22	2,421515E+22	2,246088E+22	2,106649E+22	2,106639E+22	2,246065E+22	2,421501E+22
112	2,527375E+22	2,535316E+22	2,501745E+22	2,501725E+22	2,535299E+22	2,527388E+22	2,421522E+22	2,246084E+22	2,106655E+22	2,106660E+22	2,246105E+22	2,421557E+22
113	2,527412E+22	2,535309E+22	2,501720E+22	2,501689E+22	2,535242E+22	2,527337E+22	2,421508E+22	2,246111E+22	2,106709E+22	2,106713E+22	2,246119E+22	2,421511E+22
114	2,527322E+22	2,535195E+22	2,501633E+22	2,501681E+22	2,535282E+22	2,527379E+22	2,421530E+22	2,246109E+22	2,106700E+22	2,106703E+22	2,246114E+22	2,421534E+22
115	2,527409E+22	2,535350E+22	2,501783E+22	2,501793E+22	2,535373E+22	2,527438E+22	2,421552E+22	2,246110E+22	2,106695E+22	2,106712E+22	2,246142E+22	2,421557E+22
116	2,527389E+22	2,535287E+22	2,501684E+22	2,501651E+22	2,535233E+22	2,527367E+22	2,421554E+22	2,246151E+22	2,106734E+22	2,106723E+22	2,246122E+22	2,421520E+22
117	2,527343E+22	2,535239E+22	2,501690E+22	2,501720E+22	2,535302E+22	2,527401E+22	2,421566E+22	2,246161E+22	2,106750E+22	2,106723E+22	2,246106E+22	2,421526E+22
118	2,527422E+22	2,535365E+22	2,501781E+22	2,501771E+22	2,535330E+22	2,527403E+22	2,421555E+22	2,246150E+22	2,106750E+22	2,106751E+22	2,246140E+22	2,421510E+22
119	2,527326E+22	2,535227E+22	2,501641E+22	2,501645E+22	2,535236E+22	2,527346E+22	2,421524E+22	2,246135E+22	2,106734E+22	2,106730E+22	2,246125E+22	2,421511E+22
120	2,527336E+22	2,535265E+22	2,501734E+22	2,501755E+22	2,535328E+22	2,527409E+22	2,421541E+22	2,246107E+22	2,106690E+22	2,106698E+22	2,246138E+22	2,421579E+22
121	2,527422E+22	2,535300E+22	2,501706E+22	2,501704E+22	2,535270E+22	2,527364E+22	2,421526E+22	2,246108E+22	2,106691E+22	2,106700E+22	2,246124E+22	2,421529E+22
122	2,527343E+22	2,535195E+22	2,501580E+22	2,501611E+22	2,535242E+22	2,527372E+22	2,421532E+22	2,246091E+22	2,106650E+22	2,106641E+22	2,246068E+22	2,421510E+22
123	2,527397E+22	2,535343E+22	2,501754E+22	2,501731E+22	2,535318E+22	2,527415E+22	2,421536E+22	2,246072E+22	2,106625E+22	2,106625E+22	2,246072E+22	2,421526E+22
124	2,527393E+22	2,535299E+22	2,501690E+22	2,501639E+22	2,535192E+22	2,527317E+22	2,421503E+22	2,246083E+22	2,106647E+22	2,106635E+22	2,246053E+22	2,421473E+22
125	2,527311E+22	2,535194E+22	2,501631E+22	2,501681E+22	2,535274E+22	2,527359E+22	2,421502E+22	2,246074E+22	2,106647E+22	2,106631E+22	2,246045E+22	2,421480E+22
126	2,527375E+22	2,535316E+22	2,501731E+22	2,501748E+22	2,535342E+22	2,527412E+22	2,421517E+22	2,246058E+22	2,106629E+22	2,106649E+22	2,246093E+22	2,421509E+22
127	2,527327E+22	2,535204E+22	2,501596E+22	2,501599E+22	2,535216E+22	2,527353E+22	2,421515E+22	2,246075E+22	2,106633E+22	2,106633E+22	2,246072E+22	2,421502E+22
128	2,527331E+22	2,535223E+22	2,501662E+22	2,501686E+22	2,535283E+22	2,527398E+22	2,421547E+22	2,246096E+22	2,106646E+22	2,106636E+22	2,246081E+22	2,421547E+22
129	2,527426E+22	2,535323E+22	2,501716E+22	2,501698E+22	2,535257E+22	2,527354E+22	2,421526E+22	2,246115E+22	2,106699E+22	2,106700E+22	2,246111E+22	2,421511E+22
130	2,527340E+22	2,535220E+22	2,501608E+22	2,501615E+22	2,535220E+22	2,527342E+22	2,421518E+22	2,246114E+22	2,106707E+22	2,106702E+22	2,246097E+22	2,421492E+22
131	2,527353E+22	2,535319E+22	2,501775E+22	2,501772E+22	2,535338E+22	2,527410E+22	2,421537E+22	2,246113E+22	2,106713E+22	2,106727E+22	2,246145E+22	2,421559E+22
132	2,527402E+22	2,535315E+22	2,501740E+22	2,501718E+22	2,535258E+22	2,527346E+22	2,421520E+22	2,246134E+22	2,106749E+22	2,106762E+22	2,246159E+22	2,421536E+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°
133	2,527337E+22	2,535206E+22	2,501643E+22	2,501701E+22	2,535297E+22	2,527386E+22	2,421550E+22	2,246162E+22	2,106771E+22	2,106756E+22	2,246136E+22	2,421531E+22
134	2,527400E+22	2,535351E+22	2,501786E+22	2,501793E+22	2,535371E+22	2,527446E+22	2,421585E+22	2,246174E+22	2,106776E+22	2,106780E+22	2,246176E+22	2,421561E+22
135	2,527382E+22	2,535287E+22	2,501703E+22	2,501676E+22	2,535232E+22	2,527353E+22	2,421561E+22	2,246191E+22	2,106797E+22	2,106781E+22	2,246147E+22	2,421514E+22
136	2,527333E+22	2,535253E+22	2,501720E+22	2,501745E+22	2,535302E+22	2,527386E+22	2,421569E+22	2,246193E+22	2,106802E+22	2,106786E+22	2,246162E+22	2,421544E+22
137	2,527401E+22	2,535349E+22	2,501789E+22	2,501788E+22	2,535329E+22	2,527382E+22	2,421539E+22	2,246168E+22	2,106804E+22	2,106822E+22	2,246205E+22	2,421554E+22
138	2,527341E+22	2,535226E+22	2,501638E+22	2,501646E+22	2,535248E+22	2,527367E+22	2,421538E+22	2,246144E+22	2,106759E+22	2,106765E+22	2,246154E+22	2,421530E+22
139	2,527349E+22	2,535277E+22	2,501739E+22	2,501755E+22	2,535330E+22	2,527421E+22	2,421566E+22	2,246142E+22	2,106727E+22	2,106728E+22	2,246147E+22	2,421580E+22
140	2,527442E+22	2,535341E+22	2,501736E+22	2,501711E+22	2,535250E+22	2,527339E+22	2,421523E+22	2,246133E+22	2,106729E+22	2,106726E+22	2,246129E+22	2,421527E+22
141	2,527355E+22	2,535232E+22	2,501623E+22	2,501642E+22	2,535239E+22	2,527342E+22	2,421520E+22	2,246129E+22	2,106718E+22	2,106689E+22	2,246073E+22	2,421477E+22
142	2,527356E+22	2,535333E+22	2,501778E+22	2,501768E+22	2,535338E+22	2,527413E+22	2,421542E+22	2,246108E+22	2,106690E+22	2,106694E+22	2,246112E+22	2,421523E+22
143	2,527356E+22	2,535268E+22	2,501701E+22	2,501686E+22	2,535231E+22	2,527329E+22	2,421503E+22	2,246096E+22	2,106683E+22	2,106682E+22	2,246088E+22	2,421482E+22
144	2,527298E+22	2,535184E+22	2,501629E+22	2,501689E+22	2,535290E+22	2,527382E+22	2,421532E+22	2,246105E+22	2,106681E+22	2,106677E+22	2,246096E+22	2,421513E+22
145	2,527372E+22	2,535302E+22	2,501719E+22	2,501738E+22	2,535329E+22	2,527405E+22	2,421536E+22	2,246106E+22	2,106694E+22	2,106710E+22	2,246139E+22	2,421546E+22
146	2,527356E+22	2,535225E+22	2,501600E+22	2,501586E+22	2,535207E+22	2,527358E+22	2,421535E+22	2,246117E+22	2,106696E+22	2,106687E+22	2,246093E+22	2,421499E+22
147	2,527334E+22	2,535252E+22	2,501699E+22	2,501702E+22	2,535273E+22	2,527385E+22	2,421559E+22	2,246145E+22	2,106722E+22	2,106706E+22	2,246110E+22	2,421540E+22
148	2,527423E+22	2,535351E+22	2,501762E+22	2,501737E+22	2,535253E+22	2,527318E+22	2,421502E+22	2,246134E+22	2,106755E+22	2,106766E+22	2,246159E+22	2,421531E+22
149	2,527342E+22	2,535231E+22	2,501639E+22	2,501661E+22	2,535250E+22	2,527334E+22	2,421505E+22	2,246140E+22	2,106772E+22	2,106767E+22	2,246139E+22	2,421501E+22
150	2,527337E+22	2,535305E+22	2,501779E+22	2,501792E+22	2,535365E+22	2,527437E+22	2,421566E+22	2,246151E+22	2,106767E+22	2,106785E+22	2,246190E+22	2,421584E+22
151	2,527405E+22	2,535309E+22	2,501748E+22	2,501741E+22	2,535274E+22	2,527357E+22	2,421544E+22	2,246172E+22	2,106792E+22	2,106795E+22	2,246171E+22	2,421538E+22
152	2,527348E+22	2,535238E+22	2,501670E+22	2,501708E+22	2,535293E+22	2,527389E+22	2,421579E+22	2,246215E+22	2,106829E+22	2,106806E+22	2,246164E+22	2,421529E+22
153	2,527383E+22	2,535356E+22	2,501812E+22	2,501807E+22	2,535353E+22	2,527416E+22	2,421585E+22	2,246223E+22	2,106860E+22	2,106858E+22	2,246218E+22	2,421569E+22
154	2,527374E+22	2,535288E+22	2,501720E+22	2,501697E+22	2,535248E+22	2,527356E+22	2,421563E+22	2,246218E+22	2,106859E+22	2,106848E+22	2,246187E+22	2,421514E+22
155	2,527313E+22	2,535247E+22	2,501735E+22	2,501769E+22	2,535323E+22	2,527397E+22	2,421579E+22	2,246221E+22	2,106855E+22	2,106848E+22	2,246204E+22	2,421563E+22
156	2,527408E+22	2,535354E+22	2,501796E+22	2,501793E+22	2,535322E+22	2,527370E+22	2,421537E+22	2,246182E+22	2,106834E+22	2,106859E+22	2,246242E+22	2,421590E+22
157	2,527370E+22	2,535248E+22	2,501654E+22	2,501658E+22	2,535251E+22	2,527355E+22	2,421540E+22	2,246181E+22	2,106812E+22	2,106799E+22	2,246164E+22	2,421527E+22
158	2,527350E+22	2,535293E+22	2,501757E+22	2,501761E+22	2,535329E+22	2,527419E+22	2,421579E+22	2,246180E+22	2,106782E+22	2,106774E+22	2,246164E+22	2,421573E+22
159	2,527429E+22	2,535344E+22	2,501770E+22	2,501748E+22	2,535258E+22	2,527325E+22	2,421518E+22	2,246153E+22	2,106770E+22	2,106764E+22	2,246138E+22	2,421509E+22
160	2,527335E+22	2,535240E+22	2,501656E+22	2,501680E+22	2,535262E+22	2,527343E+22	2,421522E+22	2,246151E+22	2,106760E+22	2,106745E+22	2,246120E+22	2,421484E+22
161	2,527320E+22	2,535297E+22	2,501773E+22	2,501784E+22	2,535352E+22	2,527412E+22	2,421542E+22	2,246134E+22	2,106746E+22	2,106760E+22	2,246168E+22	2,421558E+22
162	2,527361E+22	2,535252E+22	2,501681E+22	2,501674E+22	2,535247E+22	2,527362E+22	2,421533E+22	2,246126E+22	2,106723E+22	2,106725E+22	2,246119E+22	2,421501E+22
163	2,527309E+22	2,535194E+22	2,501631E+22	2,501677E+22	2,535279E+22	2,527387E+22	2,421563E+22	2,246158E+22	2,106740E+22	2,106722E+22	2,246114E+22	2,421522E+22
164	2,527396E+22	2,535337E+22	2,501743E+22	2,501732E+22	2,535294E+22	2,527366E+22	2,421528E+22	2,246140E+22	2,106753E+22	2,106761E+22	2,246164E+22	2,421557E+22
165	2,527375E+22	2,535265E+22	2,501651E+22	2,501620E+22	2,535202E+22	2,527318E+22	2,421515E+22	2,246155E+22	2,106773E+22	2,106753E+22	2,246117E+22	2,421484E+22
166	2,527309E+22	2,535255E+22	2,501735E+22	2,501746E+22	2,535299E+22	2,527380E+22	2,421553E+22	2,246172E+22	2,106787E+22	2,106782E+22	2,246161E+22	2,421551E+22
167	2,527402E+22	2,535336E+22	2,501789E+22	2,501791E+22	2,535297E+22	2,527333E+22	2,421505E+22	2,246148E+22	2,106793E+22	2,106813E+22	2,246193E+22	2,421545E+22
168	2,527343E+22	2,535239E+22	2,501661E+22	2,501687E+22	2,535278E+22	2,527363E+22	2,421540E+22	2,246180E+22	2,106814E+22	2,106815E+22	2,246182E+22	2,421522E+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°
169	2,527330E+22	2,535292E+22	2,501779E+22	2,501797E+22	2,535366E+22	2,527441E+22	2,421596E+22	2,246216E+22	2,106846E+22	2,106850E+22	2,246226E+22	2,421602E+22
170	2,527420E+22	2,535327E+22	2,501757E+22	2,501735E+22	2,535278E+22	2,527377E+22	2,421577E+22	2,246228E+22	2,106869E+22	2,106858E+22	2,246193E+22	2,421525E+22
171	2,527334E+22	2,535253E+22	2,501702E+22	2,501721E+22	2,535285E+22	2,527380E+22	2,421598E+22	2,246273E+22	2,106916E+22	2,106887E+22	2,246201E+22	2,421527E+22
172	2,527374E+22	2,535360E+22	2,501837E+22	2,501831E+22	2,535348E+22	2,527382E+22	2,421560E+22	2,246242E+22	2,106921E+22	2,106934E+22	2,246278E+22	2,421602E+22
173	2,527384E+22	2,535292E+22	2,501736E+22	2,501722E+22	2,535260E+22	2,527337E+22	2,421541E+22	2,246235E+22	2,106913E+22	2,106908E+22	2,246231E+22	2,421536E+22
174	2,527313E+22	2,535236E+22	2,501732E+22	2,501773E+22	2,535331E+22	2,527404E+22	2,421589E+22	2,246242E+22	2,106891E+22	2,106892E+22	2,246242E+22	2,421593E+22
175	2,527423E+22	2,535360E+22	2,501814E+22	2,501810E+22	2,535325E+22	2,527364E+22	2,421539E+22	2,246197E+22	2,106854E+22	2,106871E+22	2,246239E+22	2,421587E+22
176	2,527386E+22	2,535286E+22	2,501695E+22	2,501674E+22	2,535247E+22	2,527349E+22	2,421550E+22	2,246208E+22	2,106844E+22	2,106830E+22	2,246175E+22	2,421511E+22
177	2,527325E+22	2,535291E+22	2,501786E+22	2,501787E+22	2,535329E+22	2,527403E+22	2,421579E+22	2,246214E+22	2,106844E+22	2,106831E+22	2,246188E+22	2,421566E+22
178	2,527411E+22	2,535337E+22	2,501781E+22	2,501770E+22	2,535295E+22	2,527352E+22	2,421527E+22	2,246174E+22	2,106816E+22	2,106815E+22	2,246162E+22	2,421497E+22
179	2,527305E+22	2,535222E+22	2,501663E+22	2,501693E+22	2,535285E+22	2,527370E+22	2,421551E+22	2,246191E+22	2,106815E+22	2,106800E+22	2,246153E+22	2,421499E+22
180	2,527323E+22	2,535283E+22	2,501763E+22	2,501776E+22	2,535342E+22	2,527405E+22	2,421552E+22	2,246166E+22	2,106794E+22	2,106808E+22	2,246206E+22	2,421593E+22
181	2,527390E+22	2,535268E+22	2,501687E+22	2,501670E+22	2,535234E+22	2,527341E+22	2,421540E+22	2,246179E+22	2,106796E+22	2,106779E+22	2,246141E+22	2,421504E+22
182	2,527314E+22	2,535209E+22	2,501651E+22	2,501677E+22	2,535262E+22	2,527370E+22	2,421570E+22	2,246203E+22	2,106812E+22	2,106791E+22	2,246152E+22	2,421529E+22
183	2,527392E+22	2,535350E+22	2,501792E+22	2,501771E+22	2,535290E+22	2,527335E+22	2,421511E+22	2,246159E+22	2,106804E+22	2,106816E+22	2,246193E+22	2,421556E+22
184	2,527369E+22	2,535286E+22	2,501703E+22	2,501671E+22	2,535230E+22	2,527315E+22	2,421506E+22	2,246167E+22	2,106817E+22	2,106820E+22	2,246174E+22	2,421500E+22
185	2,527288E+22	2,535236E+22	2,501747E+22	2,501776E+22	2,535328E+22	2,527392E+22	2,421557E+22	2,246196E+22	2,106843E+22	2,106848E+22	2,246212E+22	2,421583E+22
186	2,527416E+22	2,535334E+22	2,501785E+22	2,501795E+22	2,535332E+22	2,527381E+22	2,421541E+22	2,246186E+22	2,106840E+22	2,106856E+22	2,246215E+22	2,421550E+22
187	2,527349E+22	2,535255E+22	2,501682E+22	2,501694E+22	2,535281E+22	2,527380E+22	2,421584E+22	2,246250E+22	2,106891E+22	2,106869E+22	2,246196E+22	2,421522E+22
188	2,527340E+22	2,535309E+22	2,501802E+22	2,501800E+22	2,535341E+22	2,527411E+22	2,421598E+22	2,246265E+22	2,106924E+22	2,106918E+22	2,246256E+22	2,421603E+22
189	2,527420E+22	2,535344E+22	2,501796E+22	2,501766E+22	2,535274E+22	2,527344E+22	2,421568E+22	2,246278E+22	2,106957E+22	2,106939E+22	2,246233E+22	2,421517E+22
190	2,527306E+22	2,535241E+22	2,501723E+22	2,501749E+22	2,535300E+22	2,527375E+22	2,421591E+22	2,246296E+22	2,106979E+22	2,106966E+22	2,246263E+22	2,421550E+22
191	2,527359E+22	2,535341E+22	2,501851E+22	2,501856E+22	2,535363E+22	2,527384E+22	2,421554E+22	2,246246E+22	2,106947E+22	2,106973E+22	2,246313E+22	2,421627E+22
192	2,527402E+22	2,535306E+22	2,501756E+22	2,501739E+22	2,535274E+22	2,527350E+22	2,421557E+22	2,246251E+22	2,106937E+22	2,106944E+22	2,246267E+22	2,421557E+22
193	2,527323E+22	2,535240E+22	2,501738E+22	2,501776E+22	2,535327E+22	2,527400E+22	2,421599E+22	2,246279E+22	2,106944E+22	2,106933E+22	2,246259E+22	2,421602E+22
194	2,527443E+22	2,535386E+22	2,501829E+22	2,501811E+22	2,535335E+22	2,527383E+22	2,421560E+22	2,246233E+22	2,106904E+22	2,106908E+22	2,246240E+22	2,421560E+22
195	2,527366E+22	2,535300E+22	2,501739E+22	2,501704E+22	2,535252E+22	2,527348E+22	2,421567E+22	2,246255E+22	2,106910E+22	2,106885E+22	2,246191E+22	2,421498E+22
196	2,527305E+22	2,535274E+22	2,501798E+22	2,501810E+22	2,535335E+22	2,527387E+22	2,421565E+22	2,246234E+22	2,106897E+22	2,106893E+22	2,246231E+22	2,421580E+22
197	2,527405E+22	2,535324E+22	2,501783E+22	2,501785E+22	2,535307E+22	2,527352E+22	2,421532E+22	2,246206E+22	2,106871E+22	2,106871E+22	2,246200E+22	2,421510E+22
198	2,527299E+22	2,535206E+22	2,501650E+22	2,501681E+22	2,535279E+22	2,527378E+22	2,421572E+22	2,246226E+22	2,106865E+22	2,106853E+22	2,246194E+22	2,421525E+22
199	2,527336E+22	2,535290E+22	2,501776E+22	2,501775E+22	2,535322E+22	2,527386E+22	2,421552E+22	2,246193E+22	2,106835E+22	2,106841E+22	2,246218E+22	2,421597E+22
200	2,527413E+22	2,535310E+22	2,501733E+22	2,501690E+22	2,535222E+22	2,527318E+22	2,421533E+22	2,246200E+22	2,106845E+22	2,106837E+22	2,246175E+22	2,421501E+22
201	2,527300E+22	2,535213E+22	2,501688E+22	2,501715E+22	2,535268E+22	2,527347E+22	2,421553E+22	2,246228E+22	2,106878E+22	2,106864E+22	2,246195E+22	2,421539E+22
202	2,527389E+22	2,535355E+22	2,501814E+22	2,501807E+22	2,535337E+22	2,527367E+22	2,421516E+22	2,246175E+22	2,106849E+22	2,106871E+22	2,246228E+22	2,421556E+22
203	2,527353E+22	2,535282E+22	2,501729E+22	2,501703E+22	2,535262E+22	2,527350E+22	2,421542E+22	2,246211E+22	2,106873E+22	2,106872E+22	2,246204E+22	2,421516E+22
204	2,527297E+22	2,535229E+22	2,501749E+22	2,501785E+22	2,535334E+22	2,527401E+22	2,421581E+22	2,246243E+22	2,106904E+22	2,106903E+22	2,246244E+22	2,421601E+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°
205	2,527437E+22	2,535354E+22	2,501801E+22	2,501801E+22	2,535327E+22	2,527374E+22	2,421564E+22	2,246254E+22	2,106925E+22	2,106919E+22	2,246235E+22	2,421540E+22
206	2,527338E+22	2,535260E+22	2,501701E+22	2,501697E+22	2,535266E+22	2,527372E+22	2,421603E+22	2,246308E+22	2,106979E+22	2,106954E+22	2,246242E+22	2,421525E+22
207	2,527323E+22	2,535306E+22	2,501836E+22	2,501832E+22	2,535335E+22	2,527382E+22	2,421584E+22	2,246291E+22	2,106987E+22	2,106988E+22	2,246300E+22	2,421612E+22
208	2,527415E+22	2,535351E+22	2,501827E+22	2,501802E+22	2,535290E+22	2,527334E+22	2,421551E+22	2,246284E+22	2,107003E+22	2,107015E+22	2,246302E+22	2,421546E+22
209	2,527299E+22	2,535223E+22	2,501722E+22	2,501763E+22	2,535311E+22	2,527376E+22	2,421589E+22	2,246311E+22	2,107022E+22	2,107025E+22	2,246316E+22	2,421593E+22
210	2,527391E+22	2,535356E+22	2,501847E+22	2,501851E+22	2,535378E+22	2,527411E+22	2,421575E+22	2,246268E+22	2,106975E+22	2,106997E+22	2,246323E+22	2,421629E+22
211	2,527417E+22	2,535339E+22	2,501791E+22	2,501752E+22	2,535270E+22	2,527355E+22	2,421584E+22	2,246300E+22	2,106988E+22	2,106971E+22	2,246258E+22	2,421544E+22
212	2,527333E+22	2,535263E+22	2,501771E+22	2,501794E+22	2,535314E+22	2,527374E+22	2,421593E+22	2,246311E+22	2,107000E+22	2,106979E+22	2,246268E+22	2,421582E+22
213	2,527431E+22	2,535399E+22	2,501867E+22	2,501851E+22	2,535345E+22	2,527367E+22	2,421558E+22	2,246274E+22	2,106971E+22	2,106967E+22	2,246261E+22	2,421535E+22
214	2,527322E+22	2,535274E+22	2,501748E+22	2,501733E+22	2,535277E+22	2,527363E+22	2,421579E+22	2,246285E+22	2,106968E+22	2,106954E+22	2,246243E+22	2,421511E+22
215	2,527279E+22	2,535240E+22	2,501794E+22	2,501824E+22	2,535343E+22	2,527395E+22	2,421575E+22	2,246252E+22	2,106930E+22	2,106935E+22	2,246268E+22	2,421601E+22
216	2,527414E+22	2,535325E+22	2,501787E+22	2,501789E+22	2,535307E+22	2,527357E+22	2,421548E+22	2,246231E+22	2,106912E+22	2,106925E+22	2,246247E+22	2,421532E+22
217	2,527309E+22	2,535208E+22	2,501649E+22	2,501674E+22	2,535262E+22	2,527364E+22	2,421576E+22	2,246263E+22	2,106927E+22	2,106913E+22	2,246230E+22	2,421545E+22
218	2,527361E+22	2,535321E+22	2,501792E+22	2,501774E+22	2,535320E+22	2,527388E+22	2,421557E+22	2,246222E+22	2,106889E+22	2,106894E+22	2,246240E+22	2,421587E+22
219	2,527406E+22	2,535335E+22	2,501787E+22	2,501735E+22	2,535233E+22	2,527311E+22	2,421535E+22	2,246235E+22	2,106907E+22	2,106896E+22	2,246206E+22	2,421509E+22
220	2,527299E+22	2,535209E+22	2,501708E+22	2,501751E+22	2,535285E+22	2,527336E+22	2,421536E+22	2,246238E+22	2,106925E+22	2,106924E+22	2,246241E+22	2,421560E+22
221	2,527394E+22	2,535355E+22	2,501827E+22	2,501832E+22	2,535358E+22	2,527381E+22	2,421537E+22	2,246214E+22	2,106900E+22	2,106921E+22	2,246258E+22	2,421564E+22
222	2,527349E+22	2,535276E+22	2,501733E+22	2,501712E+22	2,535267E+22	2,527370E+22	2,421579E+22	2,246263E+22	2,106934E+22	2,106927E+22	2,246237E+22	2,421525E+22
223	2,527297E+22	2,535235E+22	2,501765E+22	2,501790E+22	2,535317E+22	2,527389E+22	2,421596E+22	2,246289E+22	2,106965E+22	2,106951E+22	2,246259E+22	2,421591E+22
224	2,527436E+22	2,535381E+22	2,501844E+22	2,501827E+22	2,535321E+22	2,527359E+22	2,421567E+22	2,246288E+22	2,106998E+22	2,107002E+22	2,246282E+22	2,421534E+22
225	2,527315E+22	2,535253E+22	2,501724E+22	2,501728E+22	2,535269E+22	2,527350E+22	2,421591E+22	2,246341E+22	2,107057E+22	2,107042E+22	2,246302E+22	2,421545E+22
226	2,527324E+22	2,535306E+22	2,501839E+22	2,501851E+22	2,535365E+22	2,527402E+22	2,421587E+22	2,246309E+22	2,107035E+22	2,107048E+22	2,246345E+22	2,421626E+22
227	2,527413E+22	2,535357E+22	2,501851E+22	2,501829E+22	2,535308E+22	2,527352E+22	2,421576E+22	2,246320E+22	2,107050E+22	2,107058E+22	2,246332E+22	2,421575E+22
228	2,527325E+22	2,535230E+22	2,501727E+22	2,501771E+22	2,535308E+22	2,527369E+22	2,421596E+22	2,246342E+22	2,107068E+22	2,107065E+22	2,246340E+22	2,421608E+22
229	2,527416E+22	2,535389E+22	2,501875E+22	2,501863E+22	2,535370E+22	2,527404E+22	2,421596E+22	2,246321E+22	2,107037E+22	2,107041E+22	2,246331E+22	2,421609E+22
230	2,527400E+22	2,535351E+22	2,501823E+22	2,501776E+22	2,535267E+22	2,527353E+22	2,421602E+22	2,246346E+22	2,107056E+22	2,107036E+22	2,246288E+22	2,421529E+22
231	2,527299E+22	2,535255E+22	2,501802E+22	2,501831E+22	2,535320E+22	2,527358E+22	2,421585E+22	2,246332E+22	2,107050E+22	2,107034E+22	2,246300E+22	2,421576E+22
232	2,527407E+22	2,535389E+22	2,501883E+22	2,501885E+22	2,535372E+22	2,527374E+22	2,421551E+22	2,246278E+22	2,107013E+22	2,107036E+22	2,246320E+22	2,421555E+22
233	2,527306E+22	2,535241E+22	2,501725E+22	2,501733E+22	2,535282E+22	2,527371E+22	2,421591E+22	2,246308E+22	2,107013E+22	2,107010E+22	2,246296E+22	2,421554E+22
234	2,527309E+22	2,535248E+22	2,501770E+22	2,501802E+22	2,535342E+22	2,527410E+22	2,421598E+22	2,246282E+22	2,106965E+22	2,106965E+22	2,246286E+22	2,421611E+22
235	2,527431E+22	2,535358E+22	2,501814E+22	2,501791E+22	2,535285E+22	2,527344E+22	2,421565E+22	2,246277E+22	2,106966E+22	2,106960E+22	2,246255E+22	2,421537E+22
236	2,527326E+22	2,535234E+22	2,501681E+22	2,501693E+22	2,535244E+22	2,527327E+22	2,421557E+22	2,246282E+22	2,106980E+22	2,106967E+22	2,246256E+22	2,421543E+22
237	2,527363E+22	2,535348E+22	2,501838E+22	2,501818E+22	2,535327E+22	2,527367E+22	2,421548E+22	2,246248E+22	2,106941E+22	2,106949E+22	2,246267E+22	2,421573E+22
238	2,527375E+22	2,535323E+22	2,501806E+22	2,501775E+22	2,535264E+22	2,527331E+22	2,421548E+22	2,246259E+22	2,106955E+22	2,106955E+22	2,246250E+22	2,421519E+22
239	2,527280E+22	2,535196E+22	2,501720E+22	2,501776E+22	2,535303E+22	2,527353E+22	2,421557E+22	2,246267E+22	2,106963E+22	2,106961E+22	2,246265E+22	2,421567E+22
240	2,527397E+22	2,535363E+22	2,501840E+22	2,501849E+22	2,535369E+22	2,527394E+22	2,421563E+22	2,246254E+22	2,106960E+22	2,106983E+22	2,246294E+22	2,421568E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ⊙	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
241	2,527344E+22	2,535276E+22	2,501735E+22	2,501714E+22	2,535257E+22	2,527365E+22	2,421603E+22	2,246325E+22	2,107021E+22	2,107005E+22	2,246279E+22	2,421536E+22
242	2,527306E+22	2,535254E+22	2,501775E+22	2,501794E+22	2,535314E+22	2,527386E+22	2,421609E+22	2,246335E+22	2,107041E+22	2,107025E+22	2,246298E+22	2,421584E+22
243	2,527415E+22	2,535391E+22	2,501884E+22	2,501867E+22	2,535327E+22	2,527345E+22	2,421569E+22	2,246331E+22	2,107074E+22	2,107077E+22	2,246333E+22	2,421559E+22
244	2,527317E+22	2,535247E+22	2,501734E+22	2,501753E+22	2,535280E+22	2,527336E+22	2,421571E+22	2,246349E+22	2,107108E+22	2,107113E+22	2,246362E+22	2,421583E+22
245	2,527346E+22	2,535321E+22	2,501853E+22	2,501865E+22	2,535367E+22	2,527402E+22	2,421601E+22	2,246342E+22	2,107079E+22	2,107095E+22	2,246377E+22	2,421642E+22
246	2,527422E+22	2,535369E+22	2,501865E+22	2,501843E+22	2,535312E+22	2,527361E+22	2,421602E+22	2,246363E+22	2,107101E+22	2,107101E+22	2,246355E+22	2,421580E+22
247	2,527328E+22	2,535256E+22	2,501764E+22	2,501791E+22	2,535299E+22	2,527353E+22	2,421600E+22	2,246375E+22	2,107114E+22	2,107098E+22	2,246342E+22	2,421589E+22
248	2,527405E+22	2,535413E+22	2,501925E+22	2,501906E+22	2,535381E+22	2,527396E+22	2,421596E+22	2,246345E+22	2,107095E+22	2,107108E+22	2,246362E+22	2,421590E+22
249	2,527363E+22	2,535331E+22	2,501837E+22	2,501812E+22	2,535290E+22	2,527353E+22	2,421605E+22	2,246376E+22	2,107119E+22	2,107110E+22	2,246338E+22	2,421542E+22
250	2,527286E+22	2,535237E+22	2,501780E+22	2,501836E+22	2,535353E+22	2,527390E+22	2,421604E+22	2,246355E+22	2,107090E+22	2,107083E+22	2,246338E+22	2,421587E+22
251	2,527394E+22	2,535379E+22	2,501884E+22	2,501895E+22	2,535382E+22	2,527392E+22	2,421585E+22	2,246322E+22	2,107059E+22	2,107073E+22	2,246350E+22	2,421590E+22
252	2,527333E+22	2,535245E+22	2,501713E+22	2,501719E+22	2,535261E+22	2,527349E+22	2,421590E+22	2,246338E+22	2,107060E+22	2,107053E+22	2,246324E+22	2,421575E+22
253	2,527339E+22	2,535286E+22	2,501791E+22	2,501796E+22	2,535309E+22	2,527382E+22	2,421607E+22	2,246328E+22	2,107022E+22	2,107011E+22	2,246301E+22	2,421601E+22
254	2,527423E+22	2,535378E+22	2,501852E+22	2,501818E+22	2,535276E+22	2,527323E+22	2,421564E+22	2,246309E+22	2,107025E+22	2,107020E+22	2,246289E+22	2,421533E+22
255	2,527302E+22	2,535241E+22	2,501722E+22	2,501736E+22	2,535253E+22	2,527304E+22	2,421534E+22	2,246289E+22	2,107016E+22	2,107013E+22	2,246286E+22	2,421543E+22
256	2,527346E+22	2,535347E+22	2,501864E+22	2,501863E+22	2,535364E+22	2,527382E+22	2,421545E+22	2,246249E+22	2,106978E+22	2,107009E+22	2,246313E+22	2,421587E+22
257	2,527362E+22	2,535303E+22	2,501798E+22	2,501788E+22	2,535283E+22	2,527351E+22	2,421575E+22	2,246295E+22	2,107004E+22	2,107007E+22	2,246289E+22	2,421544E+22
258	2,527299E+22	2,535207E+22	2,501705E+22	2,501767E+22	2,535312E+22	2,527374E+22	2,421592E+22	2,246319E+22	2,107021E+22	2,107003E+22	2,246279E+22	2,421560E+22
259	2,527390E+22	2,535385E+22	2,501872E+22	2,501867E+22	2,535362E+22	2,527388E+22	2,421589E+22	2,246320E+22	2,107040E+22	2,107038E+22	2,246313E+22	2,421571E+22
260	2,527343E+22	2,535284E+22	2,501759E+22	2,501736E+22	2,535246E+22	2,527329E+22	2,421589E+22	2,246362E+22	2,107101E+22	2,107089E+22	2,246328E+22	2,421545E+22
261	2,527302E+22	2,535269E+22	2,501808E+22	2,501825E+22	2,535316E+22	2,527368E+22	2,421609E+22	2,246374E+22	2,107110E+22	2,107103E+22	2,246352E+22	2,421594E+22
262	2,527394E+22	2,535380E+22	2,501899E+22	2,501896E+22	2,535349E+22	2,527358E+22	2,421582E+22	2,246360E+22	2,107130E+22	2,107147E+22	2,246393E+22	2,421589E+22
263	2,527315E+22	2,535251E+22	2,501754E+22	2,501773E+22	2,535288E+22	2,527338E+22	2,421581E+22	2,246372E+22	2,107143E+22	2,107150E+22	2,246391E+22	2,421604E+22
264	2,527366E+22	2,535349E+22	2,501881E+22	2,501890E+22	2,535381E+22	2,527407E+22	2,421611E+22	2,246368E+22	2,107131E+22	2,107149E+22	2,246404E+22	2,421644E+22
265	2,527423E+22	2,535380E+22	2,501881E+22	2,501857E+22	2,535315E+22	2,527361E+22	2,421621E+22	2,246412E+22	2,107171E+22	2,107162E+22	2,246383E+22	2,421582E+22
266	2,527330E+22	2,535274E+22	2,501782E+22	2,501812E+22	2,535315E+22	2,527358E+22	2,421615E+22	2,246416E+22	2,107177E+22	2,107155E+22	2,246366E+22	2,421573E+22
267	2,527370E+22	2,535407E+22	2,501955E+22	2,501947E+22	2,535401E+22	2,527395E+22	2,421605E+22	2,246385E+22	2,107156E+22	2,107162E+22	2,246399E+22	2,421610E+22
268	2,527353E+22	2,535305E+22	2,501825E+22	2,501819E+22	2,535300E+22	2,527350E+22	2,421601E+22	2,246392E+22	2,107165E+22	2,107166E+22	2,246389E+22	2,421577E+22
269	2,527304E+22	2,535245E+22	2,501776E+22	2,501821E+22	2,535333E+22	2,527385E+22	2,421627E+22	2,246391E+22	2,107128E+22	2,107120E+22	2,246364E+22	2,421602E+22
270	2,527400E+22	2,535386E+22	2,501885E+22	2,501882E+22	2,535362E+22	2,527381E+22	2,421600E+22	2,246361E+22	2,107108E+22	2,107112E+22	2,246369E+22	2,421594E+22
271	2,527338E+22	2,535277E+22	2,501752E+22	2,501727E+22	2,535238E+22	2,527314E+22	2,421574E+22	2,246356E+22	2,107099E+22	2,107085E+22	2,246329E+22	2,421563E+22
272	2,527336E+22	2,535317E+22	2,501847E+22	2,501842E+22	2,535318E+22	2,527354E+22	2,421578E+22	2,246330E+22	2,107070E+22	2,107073E+22	2,246330E+22	2,421589E+22
273	2,527393E+22	2,535366E+22	2,501872E+22	2,501860E+22	2,535309E+22	2,527326E+22	2,421560E+22	2,246327E+22	2,107073E+22	2,107078E+22	2,246332E+22	2,421548E+22
274	2,527295E+22	2,535232E+22	2,501719E+22	2,501759E+22	2,535298E+22	2,527339E+22	2,421557E+22	2,246314E+22	2,107052E+22	2,107051E+22	2,246312E+22	2,421547E+22
275	2,527327E+22	2,535337E+22	2,501876E+22	2,501886E+22	2,535387E+22	2,527409E+22	2,421589E+22	2,246306E+22	2,107032E+22	2,107043E+22	2,246333E+22	2,421607E+22
276	2,527373E+22	2,535301E+22	2,501791E+22	2,501784E+22	2,535281E+22	2,527348E+22	2,421593E+22	2,246347E+22	2,107077E+22	2,107070E+22	2,246322E+22	2,421556E+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	2,527313E+22	2,535237E+22	2,501727E+22	2,501759E+22	2,535284E+22	2,527358E+22	2,421620E+22	2,246384E+22	2,107103E+22	2,107076E+22	2,246312E+22	2,421553E+22
278	2,527370E+22	2,535387E+22	2,501901E+22	2,501890E+22	2,535358E+22	2,527370E+22	2,421595E+22	2,246370E+22	2,107126E+22	2,107127E+22	2,246371E+22	2,421582E+22
279	2,527325E+22	2,535287E+22	2,501792E+22	2,501770E+22	2,535253E+22	2,527303E+22	2,421563E+22	2,246374E+22	2,107155E+22	2,107158E+22	2,246384E+22	2,421574E+22
280	2,527305E+22	2,535275E+22	2,501833E+22	2,501860E+22	2,535341E+22	2,527369E+22	2,421595E+22	2,246376E+22	2,107156E+22	2,107175E+22	2,246411E+22	2,421629E+22
281	2,527405E+22	2,535379E+22	2,501902E+22	2,501906E+22	2,535360E+22	2,527370E+22	2,421604E+22	2,246395E+22	2,107177E+22	2,107196E+22	2,246432E+22	2,421622E+22
282	2,527350E+22	2,535282E+22	2,501763E+22	2,501776E+22	2,535297E+22	2,527350E+22	2,421607E+22	2,246416E+22	2,107192E+22	2,107181E+22	2,246394E+22	2,421591E+22
283	2,527361E+22	2,535379E+22	2,501933E+22	2,501926E+22	2,535388E+22	2,527406E+22	2,421635E+22	2,246425E+22	2,107199E+22	2,107190E+22	2,246409E+22	2,421636E+22
284	2,527414E+22	2,535386E+22	2,501909E+22	2,501889E+22	2,535324E+22	2,527341E+22	2,421611E+22	2,246443E+22	2,107239E+22	2,107231E+22	2,246417E+22	2,421576E+22
285	2,527312E+22	2,535274E+22	2,501801E+22	2,501830E+22	2,535322E+22	2,527359E+22	2,421630E+22	2,246454E+22	2,107236E+22	2,107218E+22	2,246406E+22	2,421573E+22
286	2,527336E+22	2,535374E+22	2,501951E+22	2,501960E+22	2,535420E+22	2,527414E+22	2,421628E+22	2,246420E+22	2,107209E+22	2,107220E+22	2,246445E+22	2,421630E+22
287	2,527348E+22	2,535299E+22	2,501826E+22	2,501815E+22	2,535288E+22	2,527337E+22	2,421603E+22	2,246417E+22	2,107202E+22	2,107201E+22	2,246415E+22	2,421597E+22
288	2,527324E+22	2,535266E+22	2,501794E+22	2,501825E+22	2,535323E+22	2,527368E+22	2,421618E+22	2,246411E+22	2,107180E+22	2,107175E+22	2,246391E+22	2,421608E+22
289	2,527405E+22	2,535399E+22	2,501903E+22	2,501885E+22	2,535347E+22	2,527363E+22	2,421601E+22	2,246393E+22	2,107165E+22	2,107169E+22	2,246400E+22	2,421601E+22
290	2,527343E+22	2,535295E+22	2,501779E+22	2,501756E+22	2,535253E+22	2,527303E+22	2,421566E+22	2,246374E+22	2,107143E+22	2,107130E+22	2,246349E+22	2,421552E+22
291	2,527310E+22	2,535315E+22	2,501885E+22	2,501895E+22	2,535357E+22	2,527363E+22	2,421577E+22	2,246350E+22	2,107111E+22	2,107111E+22	2,246360E+22	2,421610E+22
292	2,527389E+22	2,535345E+22	2,501865E+22	2,501876E+22	2,535337E+22	2,527339E+22	2,421564E+22	2,246343E+22	2,107112E+22	2,107127E+22	2,246370E+22	2,421574E+22
293	2,527311E+22	2,535242E+22	2,501722E+22	2,501750E+22	2,535290E+22	2,527354E+22	2,421602E+22	2,246367E+22	2,107102E+22	2,107092E+22	2,246333E+22	2,421552E+22
294	2,527322E+22	2,535334E+22	2,501883E+22	2,501884E+22	2,535378E+22	2,527411E+22	2,421622E+22	2,246370E+22	2,107108E+22	2,107102E+22	2,246357E+22	2,421601E+22
295	2,527364E+22	2,535322E+22	2,501827E+22	2,501792E+22	2,535260E+22	2,527318E+22	2,421588E+22	2,246386E+22	2,107147E+22	2,107134E+22	2,246351E+22	2,421554E+22
296	2,527306E+22	2,535256E+22	2,501774E+22	2,501797E+22	2,535290E+22	2,527331E+22	2,421593E+22	2,246401E+22	2,107177E+22	2,107168E+22	2,246367E+22	2,421562E+22
297	2,527353E+22	2,535372E+22	2,501911E+22	2,501914E+22	2,535378E+22	2,527372E+22	2,421594E+22	2,246396E+22	2,107189E+22	2,107206E+22	2,246435E+22	2,421620E+22
298	2,527340E+22	2,535290E+22	2,501799E+22	2,501793E+22	2,535286E+22	2,527323E+22	2,421579E+22	2,246399E+22	2,107197E+22	2,107203E+22	2,246418E+22	2,421594E+22
299	2,527315E+22	2,535290E+22	2,501862E+22	2,501890E+22	2,535361E+22	2,527381E+22	2,421621E+22	2,246422E+22	2,107206E+22	2,107205E+22	2,246429E+22	2,421653E+22
300	2,527428E+22	2,535394E+22	2,501914E+22	2,501914E+22	2,535363E+22	2,527366E+22	2,421616E+22	2,246440E+22	2,107244E+22	2,107252E+22	2,246454E+22	2,421623E+22
301	2,527362E+22	2,535319E+22	2,501809E+22	2,501788E+22	2,535280E+22	2,527343E+22	2,421637E+22	2,246474E+22	2,107265E+22	2,107243E+22	2,246414E+22	2,421567E+22
302	2,527323E+22	2,535366E+22	2,501963E+22	2,501961E+22	2,535398E+22	2,527399E+22	2,421645E+22	2,246475E+22	2,107279E+22	2,107268E+22	2,246450E+22	2,421623E+22
303	2,527378E+22	2,535373E+22	2,501928E+22	2,501914E+22	2,535339E+22	2,527334E+22	2,421597E+22	2,246458E+22	2,107291E+22	2,107295E+22	2,246465E+22	2,421595E+22
304	2,527307E+22	2,535265E+22	2,501807E+22	2,501843E+22	2,535336E+22	2,527362E+22	2,421620E+22	2,246461E+22	2,107282E+22	2,107284E+22	2,246456E+22	2,421601E+22
305	2,527344E+22	2,535360E+22	2,501932E+22	2,501943E+22	2,535411E+22	2,527416E+22	2,421646E+22	2,246455E+22	2,107255E+22	2,107265E+22	2,246480E+22	2,421662E+22
306	2,527382E+22	2,535322E+22	2,501833E+22	2,501813E+22	2,535281E+22	2,527325E+22	2,421607E+22	2,246446E+22	2,107242E+22	2,107230E+22	2,246419E+22	2,421590E+22
307	2,527326E+22	2,535294E+22	2,501846E+22	2,501860E+22	2,535323E+22	2,527349E+22	2,421614E+22	2,246440E+22	2,107226E+22	2,107207E+22	2,246403E+22	2,421609E+22
308	2,527401E+22	2,535403E+22	2,501930E+22	2,501918E+22	2,535362E+22	2,527347E+22	2,421582E+22	2,246405E+22	2,107213E+22	2,107225E+22	2,246433E+22	2,421602E+22
309	2,527335E+22	2,535303E+22	2,501807E+22	2,501778E+22	2,535269E+22	2,527322E+22	2,421588E+22	2,246400E+22	2,107182E+22	2,107175E+22	2,246378E+22	2,421550E+22
310	2,527282E+22	2,535286E+22	2,501886E+22	2,501914E+22	2,535385E+22	2,527396E+22	2,421614E+22	2,246394E+22	2,107162E+22	2,107158E+22	2,246386E+22	2,421612E+22
311	2,527385E+22	2,535345E+22	2,501871E+22	2,501876E+22	2,535337E+22	2,527344E+22	2,421581E+22	2,246382E+22	2,107163E+22	2,107167E+22	2,246389E+22	2,421582E+22
312	2,527324E+22	2,535259E+22	2,501741E+22	2,501753E+22	2,535282E+22	2,527344E+22	2,421604E+22	2,246409E+22	2,107181E+22	2,107167E+22	2,246366E+22	2,421553E+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	2,527318E+22	2,535335E+22	2,501895E+22	2,501884E+22	2,535362E+22	2,527396E+22	2,421634E+22	2,246422E+22	2,107191E+22	2,107185E+22	2,246407E+22	2,421616E+22
314	2,527367E+22	2,535328E+22	2,501849E+22	2,501820E+22	2,535267E+22	2,527297E+22	2,421576E+22	2,246414E+22	2,107212E+22	2,107206E+22	2,246398E+22	2,421562E+22
315	2,527293E+22	2,535256E+22	2,501810E+22	2,501844E+22	2,535318E+22	2,527332E+22	2,421585E+22	2,246420E+22	2,107226E+22	2,107223E+22	2,246420E+22	2,421605E+22
316	2,527369E+22	2,535369E+22	2,501914E+22	2,501925E+22	2,535390E+22	2,527374E+22	2,421592E+22	2,246410E+22	2,107231E+22	2,107261E+22	2,246480E+22	2,421652E+22
317	2,527372E+22	2,535321E+22	2,501823E+22	2,501791E+22	2,535274E+22	2,527332E+22	2,421614E+22	2,246445E+22	2,107245E+22	2,107241E+22	2,246431E+22	2,421591E+22
318	2,527315E+22	2,535305E+22	2,501893E+22	2,501912E+22	2,535366E+22	2,527386E+22	2,421648E+22	2,246481E+22	2,107279E+22	2,107258E+22	2,246437E+22	2,421627E+22
319	2,527413E+22	2,535419E+22	2,501961E+22	2,501942E+22	2,535362E+22	2,527346E+22	2,421610E+22	2,246475E+22	2,107311E+22	2,107312E+22	2,246474E+22	2,421606E+22
320	2,527338E+22	2,535323E+22	2,501851E+22	2,501835E+22	2,535303E+22	2,527335E+22	2,421621E+22	2,246499E+22	2,107341E+22	2,107331E+22	2,246464E+22	2,421567E+22
321	2,527291E+22	2,535329E+22	2,501955E+22	2,501977E+22	2,535421E+22	2,527417E+22	2,421661E+22	2,246508E+22	2,107341E+22	2,107343E+22	2,246511E+22	2,421654E+22
322	2,527379E+22	2,535353E+22	2,501915E+22	2,501922E+22	2,535355E+22	2,527349E+22	2,421617E+22	2,246488E+22	2,107333E+22	2,107341E+22	2,246500E+22	2,421616E+22
323	2,527317E+22	2,535271E+22	2,501819E+22	2,501853E+22	2,535338E+22	2,527365E+22	2,421637E+22	2,246499E+22	2,107325E+22	2,107315E+22	2,246481E+22	2,421632E+22
324	2,527374E+22	2,535377E+22	2,501934E+22	2,501930E+22	2,535390E+22	2,527398E+22	2,421643E+22	2,246485E+22	2,107310E+22	2,107316E+22	2,246505E+22	2,421670E+22
325	2,527404E+22	2,535364E+22	2,501877E+22	2,501821E+22	2,535255E+22	2,527309E+22	2,421621E+22	2,246481E+22	2,107293E+22	2,107278E+22	2,246438E+22	2,421576E+22
326	2,527303E+22	2,535291E+22	2,501881E+22	2,501905E+22	2,535342E+22	2,527342E+22	2,421611E+22	2,246467E+22	2,107281E+22	2,107264E+22	2,246431E+22	2,421597E+22
327	2,527377E+22	2,535399E+22	2,501950E+22	2,501947E+22	2,535385E+22	2,527351E+22	2,421570E+22	2,246409E+22	2,107244E+22	2,107268E+22	2,246466E+22	2,421615E+22
328	2,527335E+22	2,535302E+22	2,501821E+22	2,501798E+22	2,535287E+22	2,527337E+22	2,421592E+22	2,246417E+22	2,107226E+22	2,107227E+22	2,246411E+22	2,421563E+22
329	2,527284E+22	2,535270E+22	2,501867E+22	2,501899E+22	2,535377E+22	2,527409E+22	2,421650E+22	2,246447E+22	2,107222E+22	2,107208E+22	2,246413E+22	2,421623E+22
330	2,527398E+22	2,535358E+22	2,501882E+22	2,501882E+22	2,535329E+22	2,527335E+22	2,421595E+22	2,246429E+22	2,107227E+22	2,107217E+22	2,246402E+22	2,421569E+22
331	2,527317E+22	2,535278E+22	2,501788E+22	2,501789E+22	2,535278E+22	2,527320E+22	2,421598E+22	2,246444E+22	2,107245E+22	2,107225E+22	2,246401E+22	2,421563E+22
332	2,527311E+22	2,535330E+22	2,501908E+22	2,501906E+22	2,535366E+22	2,527375E+22	2,421613E+22	2,246441E+22	2,107255E+22	2,107264E+22	2,246464E+22	2,421636E+22
333	2,527372E+22	2,535340E+22	2,501875E+22	2,501840E+22	2,535275E+22	2,527309E+22	2,421592E+22	2,246437E+22	2,107257E+22	2,107264E+22	2,246443E+22	2,421579E+22
334	2,527285E+22	2,535244E+22	2,501824E+22	2,501872E+22	2,535339E+22	2,527350E+22	2,421610E+22	2,246458E+22	2,107279E+22	2,107275E+22	2,246451E+22	2,421612E+22
335	2,527379E+22	2,535390E+22	2,501935E+22	2,501937E+22	2,535394E+22	2,527376E+22	2,421603E+22	2,246445E+22	2,107284E+22	2,107306E+22	2,246500E+22	2,421657E+22
336	2,527386E+22	2,535354E+22	2,501866E+22	2,501817E+22	2,535277E+22	2,527328E+22	2,421617E+22	2,246487E+22	2,107324E+22	2,107313E+22	2,246457E+22	2,421578E+22
337	2,527300E+22	2,535303E+22	2,501912E+22	2,501931E+22	2,535368E+22	2,527386E+22	2,421669E+22	2,246537E+22	2,107364E+22	2,107340E+22	2,246481E+22	2,421625E+22
338	2,527394E+22	2,535408E+22	2,501981E+22	2,501985E+22	2,535387E+22	2,527344E+22	2,421610E+22	2,246508E+22	2,107377E+22	2,107382E+22	2,246519E+22	2,421612E+22
339	2,527318E+22	2,535306E+22	2,501867E+22	2,501873E+22	2,535331E+22	2,527347E+22	2,421628E+22	2,246524E+22	2,107388E+22	2,107387E+22	2,246521E+22	2,421613E+22
340	2,527304E+22	2,535312E+22	2,501931E+22	2,501964E+22	2,535415E+22	2,527421E+22	2,421674E+22	2,246536E+22	2,107387E+22	2,107399E+22	2,246560E+22	2,421691E+22
341	2,527416E+22	2,535384E+22	2,501925E+22	2,501901E+22	2,535323E+22	2,527347E+22	2,421648E+22	2,246529E+22	2,107378E+22	2,107377E+22	2,246518E+22	2,421619E+22
342	2,527325E+22	2,535294E+22	2,501850E+22	2,501868E+22	2,535327E+22	2,527350E+22	2,421644E+22	2,246539E+22	2,107385E+22	2,107362E+22	2,246489E+22	2,421611E+22
343	2,527372E+22	2,535414E+22	2,501982E+22	2,501959E+22	2,535382E+22	2,527366E+22	2,421618E+22	2,246495E+22	2,107354E+22	2,107364E+22	2,246524E+22	2,421658E+22
344	2,527390E+22	2,535376E+22	2,501922E+22	2,501874E+22	2,535282E+22	2,527302E+22	2,421596E+22	2,246487E+22	2,107344E+22	2,107338E+22	2,246471E+22	2,421571E+22
345	2,527277E+22	2,535265E+22	2,501878E+22	2,501928E+22	2,535372E+22	2,527372E+22	2,421636E+22	2,246496E+22	2,107324E+22	2,107314E+22	2,246471E+22	2,421612E+22
346	2,527371E+22	2,535380E+22	2,501944E+22	2,501965E+22	2,535403E+22	2,527370E+22	2,421598E+22	2,246443E+22	2,107281E+22	2,107299E+22	2,246482E+22	2,421618E+22
347	2,527334E+22	2,535302E+22	2,501830E+22	2,501814E+22	2,535293E+22	2,527347E+22	2,421620E+22	2,246464E+22	2,107277E+22	2,107265E+22	2,246438E+22	2,421582E+22
348	2,527295E+22	2,535276E+22	2,501861E+22	2,501883E+22	2,535352E+22	2,527393E+22	2,421657E+22	2,246489E+22	2,107293E+22	2,107278E+22	2,246452E+22	2,421627E+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	2,527402E+22	2,535383E+22	2,501912E+22	2,501883E+22	2,535298E+22	2,527315E+22	2,421607E+22	2,246469E+22	2,107294E+22	2,107288E+22	2,246444E+22	2,421566E+22
350	2,527293E+22	2,535270E+22	2,501814E+22	2,501830E+22	2,535296E+22	2,527310E+22	2,421588E+22	2,246469E+22	2,107309E+22	2,107300E+22	2,246450E+22	2,421571E+22
351	2,527308E+22	2,535339E+22	2,501923E+22	2,501928E+22	2,535376E+22	2,527368E+22	2,421594E+22	2,246440E+22	2,107290E+22	2,107318E+22	2,246512E+22	2,421668E+22
352	2,527391E+22	2,535356E+22	2,501898E+22	2,501866E+22	2,535289E+22	2,527313E+22	2,421591E+22	2,246457E+22	2,107304E+22	2,107315E+22	2,246477E+22	2,421597E+22
353	2,527299E+22	2,535253E+22	2,501831E+22	2,501877E+22	2,535340E+22	2,527363E+22	2,421644E+22	2,246511E+22	2,107339E+22	2,107323E+22	2,246473E+22	2,421614E+22
354	2,527385E+22	2,535408E+22	2,501967E+22	2,501968E+22	2,535397E+22	2,527372E+22	2,421620E+22	2,246493E+22	2,107349E+22	2,107356E+22	2,246509E+22	2,421633E+22
355	2,527366E+22	2,535368E+22	2,501916E+22	2,501874E+22	2,535298E+22	2,527327E+22	2,421627E+22	2,246530E+22	2,107391E+22	2,107378E+22	2,246497E+22	2,421582E+22
356	2,527280E+22	2,535286E+22	2,501912E+22	2,501950E+22	2,535384E+22	2,527388E+22	2,421672E+22	2,246572E+22	2,107437E+22	2,107426E+22	2,246542E+22	2,421642E+22
357	2,527386E+22	2,535406E+22	2,501988E+22	2,501989E+22	2,535390E+22	2,527366E+22	2,421644E+22	2,246547E+22	2,107432E+22	2,107445E+22	2,246568E+22	2,421633E+22
358	2,527313E+22	2,535294E+22	2,501867E+22	2,501886E+22	2,535337E+22	2,527355E+22	2,421653E+22	2,246571E+22	2,107449E+22	2,107442E+22	2,246553E+22	2,421626E+22
359	2,527325E+22	2,535340E+22	2,501940E+22	2,501957E+22	2,535394E+22	2,527399E+22	2,421672E+22	2,246565E+22	2,107439E+22	2,107446E+22	2,246586E+22	2,421705E+22
360	2,527439E+22	2,535427E+22	2,501970E+22	2,501922E+22	2,535310E+22	2,527320E+22	2,421632E+22	2,246557E+22	2,107443E+22	2,107438E+22	2,246544E+22	2,421614E+22
361	2,527315E+22	2,535304E+22	2,501877E+22	2,501893E+22	2,535325E+22	2,527336E+22	2,421647E+22	2,246571E+22	2,107442E+22	2,107422E+22	2,246526E+22	2,421609E+22
362	2,527351E+22	2,535406E+22	2,502009E+22	2,502012E+22	2,535414E+22	2,527365E+22	2,421609E+22	2,246505E+22	2,107390E+22	2,107408E+22	2,246552E+22	2,421659E+22
363	2,527370E+22	2,535365E+22	2,501940E+22	2,501919E+22	2,535322E+22	2,527325E+22	2,421605E+22	2,246497E+22	2,107364E+22	2,107370E+22	2,246508E+22	2,421599E+22
364	2,527280E+22	2,535247E+22	2,501847E+22	2,501912E+22	2,535371E+22	2,527385E+22	2,421660E+22	2,246530E+22	2,107367E+22	2,107356E+22	2,246501E+22	2,421628E+22
365	2,527385E+22	2,535398E+22	2,501948E+22	2,501946E+22	2,535380E+22	2,527377E+22	2,421636E+22	2,246493E+22	2,107333E+22	2,107336E+22	2,246494E+22	2,421610E+22
366	2,527324E+22	2,535310E+22	2,501851E+22	2,501828E+22	2,535281E+22	2,527329E+22	2,421629E+22	2,246513E+22	2,107349E+22	2,107326E+22	2,246456E+22	2,421564E+22
367	2,527287E+22	2,535298E+22	2,501888E+22	2,501900E+22	2,535336E+22	2,527356E+22	2,421634E+22	2,246506E+22	2,107350E+22	2,107345E+22	2,246496E+22	2,421635E+22
368	2,527394E+22	2,535395E+22	2,501945E+22	2,501922E+22	2,535314E+22	2,527300E+22	2,421582E+22	2,246479E+22	2,107351E+22	2,107359E+22	2,246497E+22	2,421585E+22
369	2,527282E+22	2,535257E+22	2,501814E+22	2,501848E+22	2,535317E+22	2,527330E+22	2,421608E+22	2,246497E+22	2,107353E+22	2,107354E+22	2,246497E+22	2,421599E+22
370	2,527318E+22	2,535339E+22	2,501936E+22	2,501958E+22	2,535395E+22	2,527378E+22	2,421613E+22	2,246473E+22	2,107330E+22	2,107351E+22	2,246529E+22	2,421676E+22
371	2,527403E+22	2,535379E+22	2,501928E+22	2,501901E+22	2,535308E+22	2,527326E+22	2,421617E+22	2,246502E+22	2,107356E+22	2,107356E+22	2,246501E+22	2,421607E+22
372	2,527305E+22	2,535271E+22	2,501843E+22	2,501881E+22	2,535331E+22	2,527359E+22	2,421666E+22	2,246569E+22	2,107422E+22	2,107398E+22	2,246510E+22	2,421609E+22
373	2,527372E+22	2,535427E+22	2,502006E+22	2,501989E+22	2,535390E+22	2,527370E+22	2,421646E+22	2,246548E+22	2,107429E+22	2,107433E+22	2,246551E+22	2,421625E+22
374	2,527330E+22	2,535348E+22	2,501935E+22	2,501918E+22	2,535327E+22	2,527331E+22	2,421636E+22	2,246574E+22	2,107471E+22	2,107464E+22	2,246550E+22	2,421594E+22
375	2,527275E+22	2,535287E+22	2,501908E+22	2,501953E+22	2,535386E+22	2,527385E+22	2,421669E+22	2,246588E+22	2,107486E+22	2,107492E+22	2,246601E+22	2,421681E+22
376	2,527406E+22	2,535420E+22	2,501997E+22	2,501992E+22	2,535383E+22	2,527355E+22	2,421644E+22	2,246580E+22	2,107491E+22	2,107501E+22	2,246606E+22	2,421658E+22
377	2,527333E+22	2,535312E+22	2,501876E+22	2,501884E+22	2,535324E+22	2,527347E+22	2,421670E+22	2,246615E+22	2,107507E+22	2,107490E+22	2,246579E+22	2,421636E+22
378	2,527336E+22	2,535367E+22	2,501985E+22	2,501992E+22	2,535385E+22	2,527367E+22	2,421659E+22	2,246588E+22	2,107486E+22	2,107485E+22	2,246593E+22	2,421688E+22
379	2,527423E+22	2,535443E+22	2,502022E+22	2,501986E+22	2,535340E+22	2,527312E+22	2,421622E+22	2,246570E+22	2,107477E+22	2,107481E+22	2,246577E+22	2,421618E+22
380	2,527295E+22	2,535292E+22	2,501882E+22	2,501919E+22	2,535352E+22	2,527348E+22	2,421649E+22	2,246587E+22	2,107484E+22	2,107476E+22	2,246567E+22	2,421619E+22
381	2,527335E+22	2,535396E+22	2,502011E+22	2,502014E+22	2,535425E+22	2,527400E+22	2,421650E+22	2,246538E+22	2,107425E+22	2,107442E+22	2,246575E+22	2,421662E+22
382	2,527354E+22	2,535346E+22	2,501933E+22	2,501930E+22	2,535339E+22	2,527346E+22	2,421643E+22	2,246551E+22	2,107421E+22	2,107411E+22	2,246521E+22	2,421597E+22
383	2,527291E+22	2,535266E+22	2,501840E+22	2,501889E+22	2,535347E+22	2,527369E+22	2,421666E+22	2,246566E+22	2,107424E+22	2,107407E+22	2,246527E+22	2,421635E+22
384	2,527390E+22	2,535422E+22	2,501974E+22	2,501953E+22	2,535358E+22	2,527342E+22	2,421626E+22	2,246533E+22	2,107409E+22	2,107404E+22	2,246528E+22	2,421611E+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°
385	2,527310E+22	2,535310E+22	2,501868E+22	2,501847E+22	2,535277E+22	2,527306E+22	2,421625E+22	2,246546E+22	2,107413E+22	2,107398E+22	2,246509E+22	2,421581E+22
386	2,527274E+22	2,535289E+22	2,501913E+22	2,501943E+22	2,535353E+22	2,527338E+22	2,421612E+22	2,246511E+22	2,107388E+22	2,107397E+22	2,246538E+22	2,421656E+22
387	2,527394E+22	2,535398E+22	2,501968E+22	2,501961E+22	2,535347E+22	2,527317E+22	2,421589E+22	2,246486E+22	2,107370E+22	2,107395E+22	2,246542E+22	2,421623E+22
388	2,527302E+22	2,535266E+22	2,501809E+22	2,501843E+22	2,535316E+22	2,527339E+22	2,421633E+22	2,246535E+22	2,107401E+22	2,107397E+22	2,246523E+22	2,421612E+22
389	2,527336E+22	2,535375E+22	2,501966E+22	2,501958E+22	2,535385E+22	2,527389E+22	2,421652E+22	2,246530E+22	2,107393E+22	2,107393E+22	2,246534E+22	2,421655E+22
390	2,527387E+22	2,535393E+22	2,501970E+22	2,501944E+22	2,535324E+22	2,527321E+22	2,421635E+22	2,246563E+22	2,107443E+22	2,107426E+22	2,246516E+22	2,421579E+22
391	2,527286E+22	2,535284E+22	2,501869E+22	2,501908E+22	2,535337E+22	2,527341E+22	2,421658E+22	2,246603E+22	2,107498E+22	2,107483E+22	2,246563E+22	2,421617E+22
392	2,527349E+22	2,535420E+22	2,502030E+22	2,502027E+22	2,535414E+22	2,527367E+22	2,421642E+22	2,246583E+22	2,107506E+22	2,107516E+22	2,246613E+22	2,421649E+22
393	2,527317E+22	2,535325E+22	2,501926E+22	2,501924E+22	2,535337E+22	2,527345E+22	2,421663E+22	2,246618E+22	2,107533E+22	2,107533E+22	2,246610E+22	2,421631E+22
394	2,527286E+22	2,535284E+22	2,501917E+22	2,501968E+22	2,535384E+22	2,527375E+22	2,421678E+22	2,246623E+22	2,107536E+22	2,107538E+22	2,246631E+22	2,421701E+22
395	2,527427E+22	2,535450E+22	2,502029E+22	2,502014E+22	2,535388E+22	2,527350E+22	2,421650E+22	2,246606E+22	2,107532E+22	2,107545E+22	2,246638E+22	2,421674E+22
396	2,527344E+22	2,535336E+22	2,501898E+22	2,501887E+22	2,535309E+22	2,527329E+22	2,421671E+22	2,246649E+22	2,107568E+22	2,107550E+22	2,246610E+22	2,421635E+22
397	2,527330E+22	2,535388E+22	2,502026E+22	2,502020E+22	2,535394E+22	2,527367E+22	2,421666E+22	2,246616E+22	2,107535E+22	2,107533E+22	2,246618E+22	2,421680E+22
398	2,527394E+22	2,535425E+22	2,502040E+22	2,502034E+22	2,535386E+22	2,527328E+22	2,421629E+22	2,246595E+22	2,107526E+22	2,107531E+22	2,246601E+22	2,421619E+22
399	2,527292E+22	2,535288E+22	2,501873E+22	2,501915E+22	2,535360E+22	2,527357E+22	2,421660E+22	2,246606E+22	2,107517E+22	2,107517E+22	2,246600E+22	2,421640E+22
400	2,527342E+22	2,535400E+22	2,502015E+22	2,502011E+22	2,535418E+22	2,527393E+22	2,421665E+22	2,246583E+22	2,107481E+22	2,107480E+22	2,246592E+22	2,421665E+22
401	2,527353E+22	2,535350E+22	2,501933E+22	2,501916E+22	2,535320E+22	2,527337E+22	2,421665E+22	2,246605E+22	2,107488E+22	2,107463E+22	2,246542E+22	2,421595E+22
402	2,527284E+22	2,535276E+22	2,501875E+22	2,501911E+22	2,535331E+22	2,527332E+22	2,421650E+22	2,246592E+22	2,107479E+22	2,107459E+22	2,246548E+22	2,421628E+22
403	2,527378E+22	2,535430E+22	2,502012E+22	2,501997E+22	2,535379E+22	2,527329E+22	2,421608E+22	2,246541E+22	2,107446E+22	2,107462E+22	2,246580E+22	2,421632E+22
404	2,527302E+22	2,535302E+22	2,501872E+22	2,501861E+22	2,535293E+22	2,527310E+22	2,421624E+22	2,246562E+22	2,107457E+22	2,107456E+22	2,246559E+22	2,421610E+22
405	2,527280E+22	2,535297E+22	2,501930E+22	2,501953E+22	2,535366E+22	2,527361E+22	2,421639E+22	2,246541E+22	2,107424E+22	2,107431E+22	2,246561E+22	2,421668E+22
406	2,527396E+22	2,535399E+22	2,501983E+22	2,501990E+22	2,535375E+22	2,527335E+22	2,421620E+22	2,246540E+22	2,107431E+22	2,107438E+22	2,246550E+22	2,421619E+22
407	2,527320E+22	2,535300E+22	2,501829E+22	2,501842E+22	2,535307E+22	2,527332E+22	2,421646E+22	2,246581E+22	2,107470E+22	2,107458E+22	2,246550E+22	2,421610E+22
408	2,527328E+22	2,535395E+22	2,502007E+22	2,501984E+22	2,535380E+22	2,527367E+22	2,421658E+22	2,246589E+22	2,107485E+22	2,107472E+22	2,246569E+22	2,421646E+22
409	2,527356E+22	2,535381E+22	2,501990E+22	2,501974E+22	2,535342E+22	2,527319E+22	2,421645E+22	2,246614E+22	2,107530E+22	2,107518E+22	2,246579E+22	2,421597E+22
410	2,527265E+22	2,535265E+22	2,501886E+22	2,501941E+22	2,535354E+22	2,527332E+22	2,421647E+22	2,246620E+22	2,107552E+22	2,107551E+22	2,246618E+22	2,421648E+22
411	2,527353E+22	2,535411E+22	2,502034E+22	2,502045E+22	2,535435E+22	2,527380E+22	2,421653E+22	2,246600E+22	2,107537E+22	2,107568E+22	2,246671E+22	2,421697E+22
412	2,527345E+22	2,535336E+22	2,501921E+22	2,501909E+22	2,535321E+22	2,527339E+22	2,421679E+22	2,246658E+22	2,107587E+22	2,107582E+22	2,246644E+22	2,421656E+22
413	2,527315E+22	2,535325E+22	2,501952E+22	2,501966E+22	2,535364E+22	2,527364E+22	2,421690E+22	2,246663E+22	2,107591E+22	2,107578E+22	2,246638E+22	2,421689E+22
414	2,527420E+22	2,535470E+22	2,502078E+22	2,502060E+22	2,535405E+22	2,527341E+22	2,421653E+22	2,246646E+22	2,107598E+22	2,107600E+22	2,246646E+22	2,421651E+22
415	2,527336E+22	2,535356E+22	2,501932E+22	2,501917E+22	2,535324E+22	2,527318E+22	2,421657E+22	2,246663E+22	2,107616E+22	2,107609E+22	2,246645E+22	2,421635E+22
416	2,527309E+22	2,535380E+22	2,502049E+22	2,502055E+22	2,535422E+22	2,527374E+22	2,421671E+22	2,246647E+22	2,107589E+22	2,107583E+22	2,246647E+22	2,421684E+22
417	2,527375E+22	2,535399E+22	2,502029E+22	2,502041E+22	2,535406E+22	2,527355E+22	2,421665E+22	2,246642E+22	2,107579E+22	2,107578E+22	2,246632E+22	2,421633E+22
418	2,527288E+22	2,535277E+22	2,501877E+22	2,501919E+22	2,535354E+22	2,527350E+22	2,421672E+22	2,246645E+22	2,107567E+22	2,107555E+22	2,246617E+22	2,421646E+22
419	2,527348E+22	2,535408E+22	2,502031E+22	2,502017E+22	2,535415E+22	2,527389E+22	2,421674E+22	2,246613E+22	2,107528E+22	2,107533E+22	2,246628E+22	2,421675E+22
420	2,527353E+22	2,535358E+22	2,501947E+22	2,501911E+22	2,535294E+22	2,527309E+22	2,421662E+22	2,246641E+22	2,107556E+22	2,107536E+22	2,246588E+22	2,421606E+22

	1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$													
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°	
421	2,527279E+22	2,535287E+22	2,501906E+22	2,501931E+22	2,535334E+22	2,527319E+22	2,421638E+22	2,246609E+22	2,107529E+22	2,107518E+22	2,246588E+22	2,421638E+22	
422	2,527365E+22	2,535418E+22	2,502030E+22	2,502036E+22	2,535416E+22	2,527341E+22	2,421606E+22	2,246556E+22	2,107490E+22	2,107512E+22	2,246609E+22	2,421650E+22	
423	2,527324E+22	2,535314E+22	2,501875E+22	2,501860E+22	2,535298E+22	2,527316E+22	2,421628E+22	2,246575E+22	2,107488E+22	2,107495E+22	2,246591E+22	2,421635E+22	
424	2,527302E+22	2,535321E+22	2,501956E+22	2,501968E+22	2,535367E+22	2,527355E+22	2,421656E+22	2,246591E+22	2,107482E+22	2,107466E+22	2,246569E+22	2,421664E+22	
425	2,527396E+22	2,535413E+22	2,502006E+22	2,502001E+22	2,535375E+22	2,527335E+22	2,421643E+22	2,246598E+22	2,107506E+22	2,107497E+22	2,246569E+22	2,421605E+22	
426	2,527297E+22	2,535302E+22	2,501877E+22	2,501883E+22	2,535310E+22	2,527311E+22	2,421641E+22	2,246618E+22	2,107541E+22	2,107526E+22	2,246581E+22	2,421601E+22	
427	2,527302E+22	2,535383E+22	2,502036E+22	2,502031E+22	2,535415E+22	2,527374E+22	2,421656E+22	2,246608E+22	2,107539E+22	2,107550E+22	2,246633E+22	2,421664E+22	
428	2,527339E+22	2,535358E+22	2,501981E+22	2,501974E+22	2,535350E+22	2,527331E+22	2,421661E+22	2,246651E+22	2,107595E+22	2,107595E+22	2,246642E+22	2,421633E+22	
429	2,527276E+22	2,535266E+22	2,501891E+22	2,501936E+22	2,535357E+22	2,527349E+22	2,421673E+22	2,246662E+22	2,107606E+22	2,107601E+22	2,246653E+22	2,421672E+22	
430	2,527372E+22	2,535421E+22	2,502047E+22	2,502058E+22	2,535443E+22	2,527383E+22	2,421673E+22	2,246652E+22	2,107606E+22	2,107619E+22	2,246683E+22	2,421702E+22	
431	2,527378E+22	2,535380E+22	2,501950E+22	2,501907E+22	2,535300E+22	2,527316E+22	2,421677E+22	2,246692E+22	2,107650E+22	2,107642E+22	2,246672E+22	2,421659E+22	
432	2,527319E+22	2,535357E+22	2,502009E+22	2,502006E+22	2,535361E+22	2,527332E+22	2,421681E+22	2,246705E+22	2,107663E+22	2,107640E+22	2,246665E+22	2,421676E+22	
433	2,527392E+22	2,535462E+22	2,502104E+22	2,502101E+22	2,535435E+22	2,527346E+22	2,421656E+22	2,246678E+22	2,107662E+22	2,107669E+22	2,246691E+22	2,421655E+22	
434	2,527307E+22	2,535334E+22	2,501954E+22	2,501954E+22	2,535350E+22	2,527328E+22	2,421656E+22	2,246674E+22	2,107654E+22	2,107656E+22	2,246680E+22	2,421651E+22	
435	2,527306E+22	2,535363E+22	2,502047E+22	2,502068E+22	2,535445E+22	2,527400E+22	2,421694E+22	2,246667E+22	2,107616E+22	2,107623E+22	2,246685E+22	2,421703E+22	
436	2,527384E+22	2,535398E+22	2,502016E+22	2,502017E+22	2,535385E+22	2,527355E+22	2,421690E+22	2,246693E+22	2,107640E+22	2,107627E+22	2,246657E+22	2,421644E+22	
437	2,527301E+22	2,535301E+22	2,501898E+22	2,501911E+22	2,535331E+22	2,527337E+22	2,421679E+22	2,246684E+22	2,107627E+22	2,107602E+22	2,246630E+22	2,421635E+22	
438	2,527337E+22	2,535412E+22	2,502061E+22	2,502050E+22	2,535423E+22	2,527373E+22	2,421668E+22	2,246646E+22	2,107592E+22	2,107593E+22	2,246649E+22	2,421671E+22	
439	2,527356E+22	2,535370E+22	2,501968E+22	2,501930E+22	2,535299E+22	2,527293E+22	2,421639E+22	2,246643E+22	2,107596E+22	2,107597E+22	2,246639E+22	2,421628E+22	
440	2,527279E+22	2,535288E+22	2,501929E+22	2,501959E+22	2,535348E+22	2,527316E+22	2,421637E+22	2,246630E+22	2,107569E+22	2,107560E+22	2,246620E+22	2,421654E+22	
441	2,527365E+22	2,535410E+22	2,502032E+22	2,502049E+22	2,535436E+22	2,527364E+22	2,421636E+22	2,246596E+22	2,107537E+22	2,107554E+22	2,246635E+22	2,421662E+22	
442	2,527328E+22	2,535324E+22	2,501903E+22	2,501878E+22	2,535299E+22	2,527313E+22	2,421636E+22	2,246608E+22	2,107535E+22	2,107531E+22	2,246600E+22	2,421629E+22	
443	2,527305E+22	2,535333E+22	2,501982E+22	2,501987E+22	2,535375E+22	2,527362E+22	2,421672E+22	2,246625E+22	2,107538E+22	2,107526E+22	2,246599E+22	2,421653E+22	
444	2,527379E+22	2,535413E+22	2,502026E+22	2,502014E+22	2,535368E+22	2,527326E+22	2,421655E+22	2,246650E+22	2,107589E+22	2,107579E+22	2,246618E+22	2,421612E+22	
445	2,527281E+22	2,535297E+22	2,501898E+22	2,501905E+22	2,535322E+22	2,527312E+22	2,421640E+22	2,246651E+22	2,107609E+22	2,107600E+22	2,246632E+22	2,421616E+22	
446	2,527290E+22	2,535360E+22	2,502037E+22	2,502054E+22	2,535443E+22	2,527393E+22	2,421672E+22	2,246643E+22	2,107601E+22	2,107616E+22	2,246676E+22	2,421693E+22	
447	2,527370E+22	2,535373E+22	2,501979E+22	2,501961E+22	2,535335E+22	2,527324E+22	2,421667E+22	2,246677E+22	2,107645E+22	2,107653E+22	2,246688E+22	2,421666E+22	
448	2,527308E+22	2,535302E+22	2,501924E+22	2,501946E+22	2,535337E+22	2,527321E+22	2,421677E+22	2,246713E+22	2,107673E+22	2,107649E+22	2,246669E+22	2,421671E+22	
449	2,527379E+22	2,535448E+22	2,502085E+22	2,502081E+22	2,535440E+22	2,527371E+22	2,421680E+22	2,246699E+22	2,107681E+22	2,107683E+22	2,246707E+22	2,421689E+22	
450	2,527358E+22	2,535394E+22	2,502013E+22	2,501966E+22	2,535312E+22	2,527294E+22	2,421658E+22	2,246710E+22	2,107705E+22	2,107701E+22	2,246699E+22	2,421648E+22	
451	2,527296E+22	2,535351E+22	2,502043E+22	2,502064E+22	2,535410E+22	2,527354E+22	2,421683E+22	2,246713E+22	2,107701E+22	2,107703E+22	2,246715E+22	2,421682E+22	
452	2,527370E+22	2,535439E+22	2,502100E+22	2,502111E+22	2,535454E+22	2,527375E+22	2,421686E+22	2,246717E+22	2,107715E+22	2,107728E+22	2,246737E+22	2,421679E+22	
453	2,527308E+22	2,535324E+22	2,501950E+22	2,501954E+22	2,535360E+22	2,527354E+22	2,421690E+22	2,246721E+22	2,107705E+22	2,107699E+22	2,246704E+22	2,421661E+22	
454	2,527311E+22	2,535359E+22	2,502042E+22	2,502070E+22	2,535449E+22	2,527412E+22	2,421723E+22	2,246722E+22	2,107684E+22	2,107674E+22	2,246696E+22	2,421703E+22	
455	2,527405E+22	2,535422E+22	2,502025E+22	2,501999E+22	2,535350E+22	2,527327E+22	2,421687E+22	2,246725E+22	2,107703E+22	2,107695E+22	2,246698E+22	2,421653E+22	
456	2,527306E+22	2,535324E+22	2,501939E+22	2,501939E+22	2,535314E+22	2,527293E+22	2,421662E+22	2,246718E+22	2,107689E+22	2,107663E+22	2,246667E+22	2,421639E+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	2,527325E+22	2,535406E+22	2,502075E+22	2,502078E+22	2,535437E+22	2,527365E+22	2,421654E+22	2,246660E+22	2,107640E+22	2,107654E+22	2,246696E+22	2,421688E+22
458	2,527345E+22	2,535361E+22	2,501990E+22	2,501960E+22	2,535313E+22	2,527293E+22	2,421627E+22	2,246638E+22	2,107612E+22	2,107627E+22	2,246669E+22	2,421651E+22
459	2,527295E+22	2,535294E+22	2,501941E+22	2,501980E+22	2,535369E+22	2,527338E+22	2,421653E+22	2,246637E+22	2,107583E+22	2,107587E+22	2,246642E+22	2,421659E+22
460	2,527373E+22	2,535423E+22	2,502038E+22	2,502039E+22	2,535420E+22	2,527368E+22	2,421663E+22	2,246646E+22	2,107595E+22	2,107596E+22	2,246647E+22	2,421654E+22
461	2,527328E+22	2,535346E+22	2,501936E+22	2,501895E+22	2,535297E+22	2,527313E+22	2,421651E+22	2,246655E+22	2,107604E+22	2,107585E+22	2,246611E+22	2,421604E+22
462	2,527279E+22	2,535327E+22	2,502007E+22	2,502029E+22	2,535399E+22	2,527365E+22	2,421681E+22	2,246672E+22	2,107617E+22	2,107599E+22	2,246626E+22	2,421643E+22
463	2,527366E+22	2,535406E+22	2,502032E+22	2,502028E+22	2,535375E+22	2,527322E+22	2,421652E+22	2,246675E+22	2,107654E+22	2,107661E+22	2,246683E+22	2,421639E+22
464	2,527279E+22	2,535293E+22	2,501913E+22	2,501927E+22	2,535323E+22	2,527304E+22	2,421653E+22	2,246695E+22	2,107670E+22	2,107663E+22	2,246679E+22	2,421642E+22
465	2,527298E+22	2,535357E+22	2,502034E+22	2,502058E+22	2,535443E+22	2,527399E+22	2,421695E+22	2,246693E+22	2,107669E+22	2,107680E+22	2,246718E+22	2,421713E+22
466	2,527381E+22	2,535396E+22	2,502016E+22	2,501980E+22	2,535325E+22	2,527307E+22	2,421665E+22	2,246707E+22	2,107701E+22	2,107706E+22	2,246716E+22	2,421673E+22
467	2,527322E+22	2,535335E+22	2,501969E+22	2,501980E+22	2,535345E+22	2,527317E+22	2,421678E+22	2,246732E+22	2,107725E+22	2,107717E+22	2,246709E+22	2,421665E+22
468	2,527365E+22	2,535457E+22	2,502119E+22	2,502112E+22	2,535445E+22	2,527364E+22	2,421686E+22	2,246740E+22	2,107754E+22	2,107760E+22	2,246755E+22	2,421696E+22
469	2,527344E+22	2,535390E+22	2,502036E+22	2,502008E+22	2,535351E+22	2,527314E+22	2,421662E+22	2,246734E+22	2,107758E+22	2,107760E+22	2,246738E+22	2,421658E+22
470	2,527283E+22	2,535327E+22	2,502035E+22	2,502089E+22	2,535449E+22	2,527392E+22	2,421716E+22	2,246752E+22	2,107753E+22	2,107750E+22	2,246741E+22	2,421699E+22
471	2,527389E+22	2,535443E+22	2,502088E+22	2,502093E+22	2,535439E+22	2,527377E+22	2,421710E+22	2,246756E+22	2,107764E+22	2,107776E+22	2,246773E+22	2,421701E+22
472	2,527329E+22	2,535349E+22	2,501969E+22	2,501951E+22	2,535324E+22	2,527321E+22	2,421703E+22	2,246777E+22	2,107770E+22	2,107744E+22	2,246719E+22	2,421655E+22
473	2,527308E+22	2,535372E+22	2,502060E+22	2,502076E+22	2,535430E+22	2,527390E+22	2,421726E+22	2,246764E+22	2,107755E+22	2,107740E+22	2,246727E+22	2,421694E+22
474	2,527383E+22	2,535432E+22	2,502070E+22	2,502038E+22	2,535347E+22	2,527292E+22	2,421653E+22	2,246724E+22	2,107741E+22	2,107747E+22	2,246733E+22	2,421657E+22
475	2,527295E+22	2,535323E+22	2,501960E+22	2,501977E+22	2,535345E+22	2,527301E+22	2,421647E+22	2,246702E+22	2,107707E+22	2,107712E+22	2,246712E+22	2,421652E+22
476	2,527317E+22	2,535397E+22	2,502074E+22	2,502085E+22	2,535446E+22	2,527381E+22	2,421675E+22	2,246685E+22	2,107675E+22	2,107692E+22	2,246729E+22	2,421710E+22
477	2,527357E+22	2,535368E+22	2,501996E+22	2,501975E+22	2,535329E+22	2,527311E+22	2,421650E+22	2,246673E+22	2,107650E+22	2,107652E+22	2,246673E+22	2,421647E+22
478	2,527298E+22	2,535303E+22	2,501951E+22	2,501996E+22	2,535382E+22	2,527356E+22	2,421688E+22	2,246694E+22	2,107648E+22	2,107627E+22	2,246642E+22	2,421642E+22
479	2,527374E+22	2,535443E+22	2,502059E+22	2,502042E+22	2,535398E+22	2,527351E+22	2,421673E+22	2,246689E+22	2,107667E+22	2,107668E+22	2,246685E+22	2,421649E+22
480	2,527311E+22	2,535353E+22	2,501971E+22	2,501933E+22	2,535290E+22	2,527281E+22	2,421651E+22	2,246706E+22	2,107683E+22	2,107663E+22	2,246658E+22	2,421607E+22
481	2,527253E+22	2,535305E+22	2,502004E+22	2,502050E+22	2,535418E+22	2,527371E+22	2,421686E+22	2,246705E+22	2,107689E+22	2,107685E+22	2,246693E+22	2,421669E+22
482	2,527353E+22	2,535395E+22	2,502042E+22	2,502043E+22	2,535378E+22	2,527318E+22	2,421649E+22	2,246686E+22	2,107693E+22	2,107717E+22	2,246735E+22	2,421677E+22
483	2,527306E+22	2,535310E+22	2,501925E+22	2,501940E+22	2,535330E+22	2,527309E+22	2,421662E+22	2,246710E+22	2,107708E+22	2,107714E+22	2,246719E+22	2,421662E+22
484	2,527320E+22	2,535388E+22	2,502057E+22	2,502059E+22	2,535421E+22	2,527383E+22	2,421710E+22	2,246742E+22	2,107738E+22	2,107738E+22	2,246747E+22	2,421720E+22
485	2,527389E+22	2,535427E+22	2,502062E+22	2,502021E+22	2,535338E+22	2,527300E+22	2,421666E+22	2,246742E+22	2,107764E+22	2,107763E+22	2,246736E+22	2,421659E+22
486	2,527305E+22	2,535342E+22	2,502008E+22	2,502040E+22	2,535388E+22	2,527335E+22	2,421692E+22	2,246770E+22	2,107791E+22	2,107778E+22	2,246735E+22	2,421661E+22
487	2,527352E+22	2,535452E+22	2,502129E+22	2,502131E+22	2,535463E+22	2,527378E+22	2,421700E+22	2,246769E+22	2,107810E+22	2,107828E+22	2,246807E+22	2,421717E+22
488	2,527340E+22	2,535386E+22	2,502048E+22	2,502031E+22	2,535359E+22	2,527322E+22	2,421698E+22	2,246792E+22	2,107819E+22	2,107811E+22	2,246771E+22	2,421671E+22
489	2,527285E+22	2,535319E+22	2,502020E+22	2,502083E+22	2,535448E+22	2,527400E+22	2,421747E+22	2,246811E+22	2,107825E+22	2,107810E+22	2,246772E+22	2,421704E+22
490	2,527381E+22	2,535455E+22	2,502107E+22	2,502093E+22	2,535415E+22	2,527352E+22	2,421707E+22	2,246787E+22	2,107820E+22	2,107828E+22	2,246800E+22	2,421707E+22
491	2,527334E+22	2,535373E+22	2,502003E+22	2,501974E+22	2,535317E+22	2,527299E+22	2,421690E+22	2,246787E+22	2,107817E+22	2,107810E+22	2,246761E+22	2,421655E+22
492	2,527293E+22	2,535376E+22	2,502082E+22	2,502093E+22	2,535418E+22	2,527360E+22	2,421712E+22	2,246786E+22	2,107810E+22	2,107805E+22	2,246778E+22	2,421714E+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	2,527376E+22	2,535429E+22	2,502082E+22	2,502071E+22	2,535380E+22	2,527300E+22	2,421642E+22	2,246725E+22	2,107768E+22	2,107786E+22	2,246765E+22	2,421674E+22
494	2,527296E+22	2,535319E+22	2,501962E+22	2,502000E+22	2,535379E+22	2,527333E+22	2,421671E+22	2,246723E+22	2,107732E+22	2,107731E+22	2,246721E+22	2,421665E+22
495	2,527338E+22	2,535413E+22	2,502074E+22	2,502075E+22	2,535433E+22	2,527381E+22	2,421695E+22	2,246719E+22	2,107713E+22	2,107722E+22	2,246743E+22	2,421715E+22
496	2,527368E+22	2,535397E+22	2,502029E+22	2,501994E+22	2,535313E+22	2,527290E+22	2,421672E+22	2,246732E+22	2,107713E+22	2,107691E+22	2,246675E+22	2,421624E+22
497	2,527278E+22	2,535307E+22	2,501968E+22	2,502017E+22	2,535384E+22	2,527347E+22	2,421700E+22	2,246746E+22	2,107729E+22	2,107703E+22	2,246676E+22	2,421623E+22
498	2,527326E+22	2,535432E+22	2,502091E+22	2,502080E+22	2,535409E+22	2,527334E+22	2,421659E+22	2,246707E+22	2,107722E+22	2,107738E+22	2,246738E+22	2,421663E+22
499	2,527295E+22	2,535342E+22	2,501981E+22	2,501962E+22	2,535319E+22	2,527294E+22	2,421651E+22	2,246710E+22	2,107726E+22	2,107737E+22	2,246723E+22	2,421635E+22
500	2,527251E+22	2,535296E+22	2,501996E+22	2,502044E+22	2,535411E+22	2,527375E+22	2,421711E+22	2,246749E+22	2,107748E+22	2,107749E+22	2,246749E+22	2,421711E+22
501	2,527380E+22	2,535412E+22	2,502047E+22	2,502052E+22	2,535388E+22	2,527323E+22	2,421662E+22	2,246725E+22	2,107747E+22	2,107763E+22	2,246759E+22	2,421692E+22
502	2,527327E+22	2,535341E+22	2,501951E+22	2,501960E+22	2,535340E+22	2,527318E+22	2,421686E+22	2,246761E+22	2,107774E+22	2,107761E+22	2,246732E+22	2,421663E+22
503	2,527334E+22	2,535423E+22	2,502098E+22	2,502081E+22	2,535409E+22	2,527360E+22	2,421712E+22	2,246782E+22	2,107808E+22	2,107809E+22	2,246789E+22	2,421726E+22
504	2,527382E+22	2,535444E+22	2,502112E+22	2,502077E+22	2,535348E+22	2,527278E+22	2,421669E+22	2,246788E+22	2,107833E+22	2,107829E+22	2,246773E+22	2,421658E+22
505	2,527278E+22	2,535324E+22	2,502011E+22	2,502068E+22	2,535422E+22	2,527358E+22	2,421712E+22	2,246809E+22	2,107859E+22	2,107852E+22	2,246787E+22	2,421671E+22
506	2,527327E+22	2,535440E+22	2,502141E+22	2,502145E+22	2,535469E+22	2,527384E+22	2,421712E+22	2,246793E+22	2,107850E+22	2,107874E+22	2,246843E+22	2,421738E+22
507	2,527352E+22	2,535396E+22	2,502053E+22	2,502032E+22	2,535356E+22	2,527321E+22	2,421710E+22	2,246820E+22	2,107869E+22	2,107866E+22	2,246800E+22	2,421675E+22
508	2,527288E+22	2,535337E+22	2,502031E+22	2,502070E+22	2,535416E+22	2,527375E+22	2,421758E+22	2,246863E+22	2,107900E+22	2,107874E+22	2,246804E+22	2,421709E+22
509	2,527381E+22	2,535470E+22	2,502134E+22	2,502121E+22	2,535421E+22	2,527329E+22	2,421689E+22	2,246808E+22	2,107875E+22	2,107882E+22	2,246825E+22	2,421702E+22
510	2,527319E+22	2,535375E+22	2,502030E+22	2,502018E+22	2,535351E+22	2,527304E+22	2,421686E+22	2,246804E+22	2,107859E+22	2,107853E+22	2,246789E+22	2,421668E+22
511	2,527291E+22	2,535375E+22	2,502093E+22	2,502108E+22	2,535427E+22	2,527361E+22	2,421711E+22	2,246795E+22	2,107839E+22	2,107849E+22	2,246821E+22	2,421742E+22
512	2,527384E+22	2,535432E+22	2,502099E+22	2,502095E+22	2,535386E+22	2,527303E+22	2,421670E+22	2,246766E+22	2,107804E+22	2,107812E+22	2,246777E+22	2,421678E+22
513	2,527298E+22	2,535322E+22	2,501960E+22	2,502003E+22	2,535391E+22	2,527351E+22	2,421704E+22	2,246776E+22	2,107793E+22	2,107777E+22	2,246736E+22	2,421652E+22
514	2,527317E+22	2,535425E+22	2,502102E+22	2,502082E+22	2,535422E+22	2,527369E+22	2,421702E+22	2,246754E+22	2,107768E+22	2,107770E+22	2,246761E+22	2,421706E+22
515	2,527357E+22	2,535409E+22	2,502060E+22	2,502022E+22	2,535320E+22	2,527279E+22	2,421669E+22	2,246757E+22	2,107776E+22	2,107767E+22	2,246719E+22	2,421621E+22
516	2,527252E+22	2,535295E+22	2,501976E+22	2,502027E+22	2,535383E+22	2,527332E+22	2,421700E+22	2,246784E+22	2,107803E+22	2,107785E+22	2,246740E+22	2,421655E+22
517	2,527319E+22	2,535411E+22	2,502082E+22	2,502099E+22	2,535439E+22	2,527343E+22	2,421657E+22	2,246723E+22	2,107766E+22	2,107794E+22	2,246787E+22	2,421699E+22
518	2,527311E+22	2,535344E+22	2,501982E+22	2,501972E+22	2,535337E+22	2,527315E+22	2,421676E+22	2,246745E+22	2,107766E+22	2,107772E+22	2,246752E+22	2,421670E+22
519	2,527288E+22	2,535328E+22	2,502011E+22	2,502031E+22	2,535380E+22	2,527350E+22	2,421719E+22	2,246787E+22	2,107803E+22	2,107796E+22	2,246777E+22	2,421729E+22
520	2,527404E+22	2,535459E+22	2,502101E+22	2,502080E+22	2,535371E+22	2,527294E+22	2,421674E+22	2,246779E+22	2,107816E+22	2,107813E+22	2,246769E+22	2,421674E+22
521	2,527316E+22	2,535362E+22	2,501996E+22	2,502004E+22	2,535358E+22	2,527311E+22	2,421690E+22	2,246805E+22	2,107853E+22	2,107837E+22	2,246763E+22	2,421639E+22
522	2,527288E+22	2,535419E+22	2,502140E+22	2,502129E+22	2,535436E+22	2,527356E+22	2,421703E+22	2,246800E+22	2,107861E+22	2,107872E+22	2,246830E+22	2,421731E+22
523	2,527363E+22	2,535434E+22	2,502128E+22	2,502116E+22	2,535392E+22	2,527305E+22	2,421682E+22	2,246808E+22	2,107884E+22	2,107898E+22	2,246822E+22	2,421673E+22
524	2,527266E+22	2,535307E+22	2,502002E+22	2,502061E+22	2,535420E+22	2,527368E+22	2,421748E+22	2,246869E+22	2,107929E+22	2,107917E+22	2,246835E+22	2,421700E+22
525	2,527335E+22	2,535434E+22	2,502133E+22	2,502147E+22	2,535478E+22	2,527388E+22	2,421730E+22	2,246840E+22	2,107914E+22	2,107926E+22	2,246868E+22	2,421747E+22
526	2,527362E+22	2,535416E+22	2,502073E+22	2,502040E+22	2,535355E+22	2,527320E+22	2,421727E+22	2,246866E+22	2,107934E+22	2,107919E+22	2,246825E+22	2,421684E+22
527	2,527295E+22	2,535356E+22	2,502061E+22	2,502077E+22	2,535389E+22	2,527333E+22	2,421741E+22	2,246891E+22	2,107963E+22	2,107945E+22	2,246854E+22	2,421728E+22
528	2,527381E+22	2,535480E+22	2,502171E+22	2,502160E+22	2,535427E+22	2,527307E+22	2,421680E+22	2,246831E+22	2,107922E+22	2,107935E+22	2,246861E+22	2,421715E+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	2,527312E+22	2,535364E+22	2,502034E+22	2,502039E+22	2,535382E+22	2,527324E+22	2,421695E+22	2,246821E+22	2,107898E+22	2,107900E+22	2,246824E+22	2,421679E+22
530	2,527283E+22	2,535377E+22	2,502108E+22	2,502116E+22	2,535432E+22	2,527365E+22	2,421719E+22	2,246808E+22	2,107857E+22	2,107867E+22	2,246834E+22	2,421755E+22
531	2,527401E+22	2,535453E+22	2,502118E+22	2,502106E+22	2,535394E+22	2,527307E+22	2,421680E+22	2,246792E+22	2,107845E+22	2,107848E+22	2,246784E+22	2,421664E+22
532	2,527289E+22	2,535334E+22	2,501980E+22	2,502000E+22	2,535372E+22	2,527337E+22	2,421722E+22	2,246831E+22	2,107867E+22	2,107838E+22	2,246761E+22	2,421646E+22
533	2,527297E+22	2,535416E+22	2,502119E+22	2,502115E+22	2,535444E+22	2,527360E+22	2,421696E+22	2,246783E+22	2,107829E+22	2,107831E+22	2,246789E+22	2,421698E+22
534	2,527333E+22	2,535397E+22	2,502072E+22	2,502049E+22	2,535353E+22	2,527296E+22	2,421679E+22	2,246787E+22	2,107831E+22	2,107822E+22	2,246762E+22	2,421646E+22
535	2,527253E+22	2,535287E+22	2,501977E+22	2,502024E+22	2,535377E+22	2,527326E+22	2,421705E+22	2,246811E+22	2,107854E+22	2,107847E+22	2,246797E+22	2,421699E+22
536	2,527345E+22	2,535423E+22	2,502097E+22	2,502106E+22	2,535426E+22	2,527331E+22	2,421679E+22	2,246770E+22	2,107818E+22	2,107836E+22	2,246810E+22	2,421716E+22
537	2,527329E+22	2,535361E+22	2,501995E+22	2,501978E+22	2,535339E+22	2,527315E+22	2,421694E+22	2,246794E+22	2,107836E+22	2,107830E+22	2,246775E+22	2,421662E+22
538	2,527282E+22	2,535361E+22	2,502065E+22	2,502055E+22	2,535371E+22	2,527326E+22	2,421709E+22	2,246812E+22	2,107857E+22	2,107850E+22	2,246801E+22	2,421723E+22
539	2,527397E+22	2,535480E+22	2,502153E+22	2,502130E+22	2,535393E+22	2,527282E+22	2,421660E+22	2,246799E+22	2,107881E+22	2,107891E+22	2,246809E+22	2,421666E+22
540	2,527284E+22	2,535351E+22	2,502019E+22	2,502034E+22	2,535381E+22	2,527316E+22	2,421698E+22	2,246846E+22	2,107929E+22	2,107920E+22	2,246823E+22	2,421662E+22
541	2,527273E+22	2,535388E+22	2,502132E+22	2,502158E+22	2,535482E+22	2,527383E+22	2,421717E+22	2,246828E+22	2,107912E+22	2,107929E+22	2,246869E+22	2,421751E+22
542	2,527368E+22	2,535429E+22	2,502125E+22	2,502121E+22	2,535412E+22	2,527336E+22	2,421723E+22	2,246860E+22	2,107939E+22	2,107937E+22	2,246850E+22	2,421700E+22
543	2,527290E+22	2,535326E+22	2,502011E+22	2,502042E+22	2,535385E+22	2,527344E+22	2,421761E+22	2,246921E+22	2,107999E+22	2,107977E+22	2,246870E+22	2,421719E+22
544	2,527353E+22	2,535463E+22	2,502172E+22	2,502160E+22	2,535449E+22	2,527355E+22	2,421738E+22	2,246890E+22	2,107984E+22	2,107985E+22	2,246889E+22	2,421739E+22
545	2,527353E+22	2,535425E+22	2,502106E+22	2,502074E+22	2,535366E+22	2,527308E+22	2,421721E+22	2,246897E+22	2,108002E+22	2,107992E+22	2,246866E+22	2,421676E+22
546	2,527268E+22	2,535360E+22	2,502098E+22	2,502112E+22	2,535405E+22	2,527322E+22	2,421718E+22	2,246887E+22	2,107993E+22	2,107993E+22	2,246894E+22	2,421746E+22
547	2,527382E+22	2,535482E+22	2,502190E+22	2,502190E+22	2,535460E+22	2,527326E+22	2,421681E+22	2,246837E+22	2,107954E+22	2,107980E+22	2,246890E+22	2,421725E+22
548	2,527312E+22	2,535362E+22	2,502037E+22	2,502039E+22	2,535385E+22	2,527337E+22	2,421725E+22	2,246869E+22	2,107950E+22	2,107941E+22	2,246847E+22	2,421692E+22
549	2,527290E+22	2,535373E+22	2,502105E+22	2,502127E+22	2,535451E+22	2,527376E+22	2,421737E+22	2,246849E+22	2,107910E+22	2,107902E+22	2,246835E+22	2,421741E+22
550	2,527398E+22	2,535469E+22	2,502145E+22	2,502122E+22	2,535401E+22	2,527318E+22	2,421706E+22	2,246841E+22	2,107906E+22	2,107892E+22	2,246802E+22	2,421662E+22
551	2,527278E+22	2,535336E+22	2,502004E+22	2,502006E+22	2,535347E+22	2,527301E+22	2,421712E+22	2,246866E+22	2,107936E+22	2,107914E+22	2,246815E+22	2,421663E+22
552	2,527288E+22	2,535404E+22	2,502134E+22	2,502136E+22	2,535445E+22	2,527350E+22	2,421698E+22	2,246811E+22	2,107885E+22	2,107895E+22	2,246835E+22	2,421718E+22
553	2,527329E+22	2,535382E+22	2,502067E+22	2,502056E+22	2,535368E+22	2,527310E+22	2,421688E+22	2,246809E+22	2,107880E+22	2,107883E+22	2,246807E+22	2,421664E+22
554	2,527259E+22	2,535299E+22	2,501991E+22	2,502021E+22	2,535361E+22	2,527308E+22	2,421698E+22	2,246824E+22	2,107884E+22	2,107879E+22	2,246821E+22	2,421720E+22
555	2,527375E+22	2,535459E+22	2,502132E+22	2,502122E+22	2,535424E+22	2,527318E+22	2,421671E+22	2,246795E+22	2,107873E+22	2,107886E+22	2,246823E+22	2,421706E+22
556	2,527328E+22	2,535386E+22	2,502039E+22	2,502000E+22	2,535332E+22	2,527297E+22	2,421698E+22	2,246839E+22	2,107911E+22	2,107897E+22	2,246804E+22	2,421656E+22
557	2,527263E+22	2,535354E+22	2,502095E+22	2,502112E+22	2,535415E+22	2,527330E+22	2,421704E+22	2,246838E+22	2,107915E+22	2,107910E+22	2,246828E+22	2,421712E+22
558	2,527372E+22	2,535471E+22	2,502177E+22	2,502175E+22	2,535445E+22	2,527323E+22	2,421686E+22	2,246834E+22	2,107934E+22	2,107944E+22	2,246852E+22	2,421687E+22
559	2,527276E+22	2,535334E+22	2,502020E+22	2,502036E+22	2,535382E+22	2,527327E+22	2,421726E+22	2,246893E+22	2,107995E+22	2,107990E+22	2,246878E+22	2,421698E+22
560	2,527289E+22	2,535385E+22	2,502133E+22	2,502157E+22	2,535473E+22	2,527390E+22	2,421758E+22	2,246893E+22	2,107984E+22	2,107987E+22	2,246897E+22	2,421760E+22
561	2,527378E+22	2,535439E+22	2,502130E+22	2,502116E+22	2,535405E+22	2,527338E+22	2,421747E+22	2,246921E+22	2,108026E+22	2,108014E+22	2,246884E+22	2,421694E+22
562	2,527287E+22	2,535356E+22	2,502053E+22	2,502052E+22	2,535357E+22	2,527306E+22	2,421744E+22	2,246947E+22	2,108061E+22	2,108043E+22	2,246909E+22	2,421730E+22
563	2,527358E+22	2,535486E+22	2,502217E+22	2,502201E+22	2,535457E+22	2,527327E+22	2,421707E+22	2,246902E+22	2,108045E+22	2,108059E+22	2,246934E+22	2,421745E+22
564	2,527339E+22	2,535420E+22	2,502127E+22	2,502102E+22	2,535383E+22	2,527307E+22	2,421716E+22	2,246916E+22	2,108054E+22	2,108057E+22	2,246920E+22	2,421705E+22

1 Longitude $\odot$	2	3	4	5	6	7	8	9	10	11	12	13
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
565	2,527271E+22	2,535344E+22	2,502098E+22	2,502143E+22	2,535445E+22	2,527345E+22	2,421725E+22	2,246894E+22	2,108015E+22	2,108021E+22	2,246912E+22	2,421757E+22
566	2,527395E+22	2,535494E+22	2,502199E+22	2,502197E+22	2,535478E+22	2,527357E+22	2,421718E+22	2,246876E+22	2,107985E+22	2,107994E+22	2,246896E+22	2,421733E+22
567	2,527323E+22	2,535381E+22	2,502057E+22	2,502033E+22	2,535359E+22	2,527321E+22	2,421740E+22	2,246918E+22	2,108014E+22	2,107989E+22	2,246864E+22	2,421689E+22
568	2,527291E+22	2,535385E+22	2,502136E+22	2,502144E+22	2,535433E+22	2,527357E+22	2,421750E+22	2,246895E+22	2,107976E+22	2,107957E+22	2,246847E+22	2,421713E+22
569	2,527365E+22	2,535453E+22	2,502159E+22	2,502150E+22	2,535417E+22	2,527316E+22	2,421708E+22	2,246875E+22	2,107976E+22	2,107969E+22	2,246844E+22	2,421651E+22
570	2,527246E+22	2,535325E+22	2,502019E+22	2,502025E+22	2,535352E+22	2,527292E+22	2,421695E+22	2,246868E+22	2,107970E+22	2,107969E+22	2,246866E+22	2,421694E+22
571	2,527297E+22	2,535401E+22	2,502139E+22	2,502147E+22	2,535452E+22	2,527351E+22	2,421693E+22	2,246824E+22	2,107927E+22	2,107949E+22	2,246873E+22	2,421738E+22
572	2,527342E+22	2,535386E+22	2,502069E+22	2,502052E+22	2,535360E+22	2,527310E+22	2,421706E+22	2,246852E+22	2,107937E+22	2,107936E+22	2,246843E+22	2,421687E+22
573	2,527279E+22	2,535311E+22	2,502006E+22	2,502043E+22	2,535376E+22	2,527308E+22	2,421700E+22	2,246850E+22	2,107932E+22	2,107921E+22	2,246830E+22	2,421710E+22
574	2,527379E+22	2,535489E+22	2,502176E+22	2,502155E+22	2,535438E+22	2,527327E+22	2,421689E+22	2,246836E+22	2,107929E+22	2,107933E+22	2,246848E+22	2,421705E+22
575	2,527316E+22	2,535392E+22	2,502076E+22	2,502035E+22	2,535334E+22	2,527280E+22	2,421696E+22	2,246878E+22	2,107984E+22	2,107975E+22	2,246857E+22	2,421672E+22
576	2,527254E+22	2,535340E+22	2,502109E+22	2,502142E+22	2,535436E+22	2,527348E+22	2,421728E+22	2,246877E+22	2,107978E+22	2,107977E+22	2,246869E+22	2,421720E+22
577	2,527360E+22	2,535452E+22	2,502171E+22	2,502185E+22	2,535467E+22	2,527356E+22	2,421724E+22	2,246885E+22	2,108002E+22	2,108014E+22	2,246896E+22	2,421697E+22
578	2,527280E+22	2,535348E+22	2,502033E+22	2,502029E+22	2,535358E+22	2,527313E+22	2,421737E+22	2,246932E+22	2,108051E+22	2,108042E+22	2,246913E+22	2,421719E+22
579	2,527314E+22	2,535417E+22	2,502161E+22	2,502165E+22	2,535455E+22	2,527366E+22	2,421752E+22	2,246934E+22	2,108064E+22	2,108059E+22	2,246924E+22	2,421754E+22
580	2,527376E+22	2,535460E+22	2,502167E+22	2,502136E+22	2,535391E+22	2,527310E+22	2,421741E+22	2,246963E+22	2,108107E+22	2,108098E+22	2,246933E+22	2,421702E+22
581	2,527277E+22	2,535351E+22	2,502079E+22	2,502106E+22	2,535393E+22	2,527298E+22	2,421722E+22	2,246953E+22	2,108107E+22	2,108101E+22	2,246946E+22	2,421735E+22
582	2,527351E+22	2,535490E+22	2,502244E+22	2,502244E+22	2,535499E+22	2,527359E+22	2,421724E+22	2,246920E+22	2,108075E+22	2,108096E+22	2,246973E+22	2,421774E+22
583	2,527342E+22	2,535417E+22	2,502139E+22	2,502115E+22	2,535383E+22	2,527311E+22	2,421734E+22	2,246949E+22	2,108097E+22	2,108100E+22	2,246953E+22	2,421729E+22
584	2,527287E+22	2,535349E+22	2,502104E+22	2,502149E+22	2,535444E+22	2,527361E+22	2,421765E+22	2,246945E+22	2,108066E+22	2,108054E+22	2,246916E+22	2,421741E+22
585	2,527388E+22	2,535503E+22	2,502210E+22	2,502203E+22	2,535480E+22	2,527370E+22	2,421747E+22	2,246927E+22	2,108055E+22	2,108052E+22	2,246910E+22	2,421703E+22
586	2,527299E+22	2,535395E+22	2,502087E+22	2,502043E+22	2,535332E+22	2,527289E+22	2,421729E+22	2,246942E+22	2,108069E+22	2,108050E+22	2,246899E+22	2,421689E+22
587	2,527278E+22	2,535382E+22	2,502152E+22	2,502172E+22	2,535440E+22	2,527337E+22	2,421724E+22	2,246911E+22	2,108041E+22	2,108032E+22	2,246895E+22	2,421721E+22
588	2,527346E+22	2,535431E+22	2,502152E+22	2,502158E+22	2,535424E+22	2,527316E+22	2,421705E+22	2,246893E+22	2,108027E+22	2,108037E+22	2,246907E+22	2,421691E+22
589	2,527257E+22	2,535307E+22	2,502006E+22	2,502040E+22	2,535370E+22	2,527299E+22	2,421696E+22	2,246873E+22	2,107990E+22	2,107997E+22	2,246891E+22	2,421717E+22
590	2,527327E+22	2,535430E+22	2,502156E+22	2,502152E+22	2,535451E+22	2,527361E+22	2,421717E+22	2,246856E+22	2,107955E+22	2,107965E+22	2,246888E+22	2,421754E+22
591	2,527361E+22	2,535419E+22	2,502105E+22	2,502060E+22	2,535332E+22	2,527283E+22	2,421708E+22	2,246890E+22	2,107997E+22	2,107986E+22	2,246863E+22	2,421685E+22
592	2,527283E+22	2,535337E+22	2,502052E+22	2,502080E+22	2,535377E+22	2,527304E+22	2,421715E+22	2,246890E+22	2,107995E+22	2,107977E+22	2,246845E+22	2,421680E+22
593	2,527346E+22	2,535484E+22	2,502204E+22	2,502200E+22	2,535475E+22	2,527349E+22	2,421706E+22	2,246875E+22	2,108001E+22	2,108009E+22	2,246886E+22	2,421689E+22
594	2,527284E+22	2,535385E+22	2,502094E+22	2,502062E+22	2,535349E+22	2,527289E+22	2,421704E+22	2,246904E+22	2,108037E+22	2,108039E+22	2,246907E+22	2,421697E+22
595	2,527259E+22	2,535336E+22	2,502109E+22	2,502157E+22	2,535447E+22	2,527356E+22	2,421744E+22	2,246924E+22	2,108053E+22	2,108047E+22	2,246911E+22	2,421734E+22
596	2,527361E+22	2,535448E+22	2,502167E+22	2,502180E+22	2,535456E+22	2,527355E+22	2,421752E+22	2,246949E+22	2,108088E+22	2,108093E+22	2,246947E+22	2,421721E+22
597	2,527293E+22	2,535357E+22	2,502050E+22	2,502051E+22	2,535358E+22	2,527299E+22	2,421737E+22	2,246966E+22	2,108116E+22	2,108106E+22	2,246945E+22	2,421722E+22
598	2,527321E+22	2,535450E+22	2,502206E+22	2,502194E+22	2,535451E+22	2,527353E+22	2,421755E+22	2,246968E+22	2,108122E+22	2,108121E+22	2,246973E+22	2,421771E+22
599	2,527368E+22	2,535469E+22	2,502203E+22	2,502172E+22	2,535394E+22	2,527286E+22	2,421723E+22	2,246983E+22	2,108169E+22	2,108174E+22	2,246994E+22	2,421733E+22
600	2,527284E+22	2,535354E+22	2,502097E+22	2,502136E+22	2,535419E+22	2,527319E+22	2,421734E+22	2,246967E+22	2,108143E+22	2,108146E+22	2,246976E+22	2,421742E+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	2,527347E+22	2,535484E+22	2,502244E+22	2,502256E+22	2,535520E+22	2,527392E+22	2,421759E+22	2,246957E+22	2,108119E+22	2,108135E+22	2,246990E+22	2,421769E+22
602	2,527346E+22	2,535438E+22	2,502155E+22	2,502119E+22	2,535370E+22	2,527303E+22	2,421747E+22	2,246981E+22	2,108137E+22	2,108129E+22	2,246963E+22	2,421729E+22
603	2,527296E+22	2,535373E+22	2,502127E+22	2,502162E+22	2,535433E+22	2,527341E+22	2,421763E+22	2,246988E+22	2,108138E+22	2,108110E+22	2,246926E+22	2,421714E+22
604	2,527356E+22	2,535497E+22	2,502229E+22	2,502222E+22	2,535475E+22	2,527355E+22	2,421752E+22	2,246969E+22	2,108128E+22	2,108127E+22	2,246956E+22	2,421704E+22
605	2,527273E+22	2,535370E+22	2,502092E+22	2,502083E+22	2,535360E+22	2,527284E+22	2,421714E+22	2,246948E+22	2,108107E+22	2,108104E+22	2,246939E+22	2,421701E+22
606	2,527271E+22	2,535379E+22	2,502155E+22	2,502185E+22	2,535457E+22	2,527356E+22	2,421741E+22	2,246929E+22	2,108066E+22	2,108069E+22	2,246942E+22	2,421759E+22
607	2,527356E+22	2,535431E+22	2,502150E+22	2,502154E+22	2,535408E+22	2,527306E+22	2,421716E+22	2,246926E+22	2,108072E+22	2,108082E+22	2,246946E+22	2,421727E+22
608	2,527290E+22	2,535331E+22	2,502015E+22	2,502039E+22	2,535363E+22	2,527305E+22	2,421720E+22	2,246911E+22	2,108037E+22	2,108030E+22	2,246896E+22	2,421707E+22
609	2,527329E+22	2,535457E+22	2,502186E+22	2,502170E+22	2,535452E+22	2,527365E+22	2,421739E+22	2,246903E+22	2,108021E+22	2,108021E+22	2,246902E+22	2,421728E+22
610	2,527346E+22	2,535447E+22	2,502154E+22	2,502098E+22	2,535324E+22	2,527254E+22	2,421698E+22	2,246916E+22	2,108052E+22	2,108046E+22	2,246899E+22	2,421685E+22
611	2,527268E+22	2,535339E+22	2,502080E+22	2,502127E+22	2,535403E+22	2,527297E+22	2,421703E+22	2,246920E+22	2,108071E+22	2,108056E+22	2,246891E+22	2,421680E+22
612	2,527313E+22	2,535458E+22	2,502201E+22	2,502219E+22	2,535498E+22	2,527370E+22	2,421729E+22	2,246914E+22	2,108068E+22	2,108088E+22	2,246949E+22	2,421721E+22
613	2,527285E+22	2,535363E+22	2,502081E+22	2,502078E+22	2,535366E+22	2,527300E+22	2,421723E+22	2,246937E+22	2,108085E+22	2,108089E+22	2,246942E+22	2,421718E+22
614	2,527282E+22	2,535363E+22	2,502122E+22	2,502156E+22	2,535439E+22	2,527360E+22	2,421773E+22	2,246976E+22	2,108110E+22	2,108095E+22	2,246948E+22	2,421757E+22
615	2,527373E+22	2,535476E+22	2,502198E+22	2,502187E+22	2,535423E+22	2,527314E+22	2,421746E+22	2,246994E+22	2,108167E+22	2,108168E+22	2,246990E+22	2,421736E+22
616	2,527301E+22	2,535381E+22	2,502090E+22	2,502084E+22	2,535360E+22	2,527287E+22	2,421736E+22	2,246994E+22	2,108177E+22	2,108171E+22	2,246977E+22	2,421714E+22
617	2,527301E+22	2,535453E+22	2,502238E+22	2,502241E+22	2,535486E+22	2,527366E+22	2,421761E+22	2,246992E+22	2,108177E+22	2,108187E+22	2,247013E+22	2,421770E+22
618	2,527355E+22	2,535475E+22	2,502224E+22	2,502200E+22	2,535408E+22	2,527290E+22	2,421726E+22	2,246995E+22	2,108200E+22	2,108216E+22	2,247031E+22	2,421757E+22
619	2,527296E+22	2,535362E+22	2,502107E+22	2,502155E+22	2,535435E+22	2,527328E+22	2,421751E+22	2,247010E+22	2,108203E+22	2,108191E+22	2,246993E+22	2,421739E+22
620	2,527340E+22	2,535485E+22	2,502246E+22	2,502255E+22	2,535520E+22	2,527401E+22	2,421792E+22	2,247016E+22	2,108190E+22	2,108192E+22	2,247015E+22	2,421769E+22
621	2,527339E+22	2,535436E+22	2,502168E+22	2,502141E+22	2,535372E+22	2,527293E+22	2,421755E+22	2,247018E+22	2,108194E+22	2,108178E+22	2,246980E+22	2,421718E+22
622	2,527285E+22	2,535387E+22	2,502154E+22	2,502183E+22	2,535433E+22	2,527330E+22	2,421770E+22	2,247023E+22	2,108188E+22	2,108167E+22	2,246974E+22	2,421728E+22
623	2,527333E+22	2,535481E+22	2,502235E+22	2,502237E+22	2,535471E+22	2,527330E+22	2,421736E+22	2,246989E+22	2,108185E+22	2,108199E+22	2,247019E+22	2,421743E+22
624	2,527282E+22	2,535365E+22	2,502089E+22	2,502085E+22	2,535370E+22	2,527300E+22	2,421726E+22	2,246958E+22	2,108136E+22	2,108144E+22	2,246973E+22	2,421721E+22
625	2,527281E+22	2,535388E+22	2,502159E+22	2,502184E+22	2,535456E+22	2,527365E+22	2,421764E+22	2,246961E+22	2,108105E+22	2,108105E+22	2,246959E+22	2,421762E+22
626	2,527374E+22	2,535470E+22	2,502178E+22	2,502157E+22	2,535385E+22	2,527279E+22	2,421712E+22	2,246950E+22	2,108110E+22	2,108111E+22	2,246956E+22	2,421730E+22
627	2,527306E+22	2,535372E+22	2,502061E+22	2,502071E+22	2,535363E+22	2,527278E+22	2,421708E+22	2,246947E+22	2,108107E+22	2,108083E+22	2,246904E+22	2,421678E+22
628	2,527295E+22	2,535454E+22	2,502216E+22	2,502211E+22	2,535472E+22	2,527361E+22	2,421745E+22	2,246943E+22	2,108092E+22	2,108095E+22	2,246944E+22	2,421726E+22
629	2,527313E+22	2,535420E+22	2,502169E+22	2,502155E+22	2,535374E+22	2,527269E+22	2,421701E+22	2,246934E+22	2,108098E+22	2,108102E+22	2,246939E+22	2,421696E+22
630	2,527255E+22	2,535333E+22	2,502085E+22	2,502142E+22	2,535427E+22	2,527327E+22	2,421739E+22	2,246959E+22	2,108113E+22	2,108108E+22	2,246946E+22	2,421714E+22
631	2,527309E+22	2,535443E+22	2,502192E+22	2,502214E+22	2,535488E+22	2,527367E+22	2,421754E+22	2,246971E+22	2,108141E+22	2,108156E+22	2,247001E+22	2,421759E+22
632	2,527312E+22	2,535384E+22	2,502087E+22	2,502070E+22	2,535357E+22	2,527305E+22	2,421747E+22	2,246984E+22	2,108155E+22	2,108149E+22	2,246968E+22	2,421718E+22
633	2,527285E+22	2,535389E+22	2,502152E+22	2,502165E+22	2,535425E+22	2,527346E+22	2,421786E+22	2,247027E+22	2,108190E+22	2,108171E+22	2,246981E+22	2,421749E+22
634	2,527369E+22	2,535505E+22	2,502243E+22	2,502220E+22	2,535413E+22	2,527275E+22	2,421724E+22	2,247014E+22	2,108226E+22	2,108236E+22	2,247039E+22	2,421757E+22
635	2,527304E+22	2,535395E+22	2,502125E+22	2,502130E+22	2,535387E+22	2,527274E+22	2,421715E+22	2,247014E+22	2,108240E+22	2,108236E+22	2,247018E+22	2,421724E+22
636	2,527286E+22	2,535440E+22	2,502243E+22	2,502263E+22	2,535512E+22	2,527388E+22	2,421783E+22	2,247024E+22	2,108226E+22	2,108243E+22	2,247058E+22	2,421796E+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												
637	2,527360E+22	2,535466E+22	2,502229E+22	2,502226E+22	2,535430E+22	2,527303E+22	2,421748E+22	2,247026E+22	2,108234E+22	2,108242E+22	2,247041E+22	2,421759E+22
638	2,527307E+22	2,535392E+22	2,502130E+22	2,502161E+22	2,535433E+22	2,527335E+22	2,421783E+22	2,247061E+22	2,108252E+22	2,108230E+22	2,247012E+22	2,421735E+22
639	2,527322E+22	2,535490E+22	2,502271E+22	2,502265E+22	2,535500E+22	2,527373E+22	2,421795E+22	2,247065E+22	2,108269E+22	2,108263E+22	2,247050E+22	2,421769E+22
640	2,527327E+22	2,535437E+22	2,502187E+22	2,502160E+22	2,535383E+22	2,527293E+22	2,421757E+22	2,247046E+22	2,108254E+22	2,108242E+22	2,247013E+22	2,421710E+22
641	2,527257E+22	2,535374E+22	2,502163E+22	2,502202E+22	2,535453E+22	2,527340E+22	2,421779E+22	2,247050E+22	2,108243E+22	2,108229E+22	2,247016E+22	2,421742E+22
642	2,527332E+22	2,535480E+22	2,502239E+22	2,502241E+22	2,535465E+22	2,527318E+22	2,421732E+22	2,247001E+22	2,108214E+22	2,108238E+22	2,247059E+22	2,421782E+22
643	2,527309E+22	2,535380E+22	2,502100E+22	2,502095E+22	2,535371E+22	2,527288E+22	2,421727E+22	2,246994E+22	2,108188E+22	2,108181E+22	2,246989E+22	2,421725E+22
644	2,527286E+22	2,535402E+22	2,502175E+22	2,502190E+22	2,535454E+22	2,527362E+22	2,421779E+22	2,247001E+22	2,108163E+22	2,108155E+22	2,246983E+22	2,421764E+22
645	2,527371E+22	2,535479E+22	2,502211E+22	2,502193E+22	2,535395E+22	2,527266E+22	2,421710E+22	2,246972E+22	2,108154E+22	2,108153E+22	2,246969E+22	2,421717E+22
646	2,527293E+22	2,535389E+22	2,502102E+22	2,502111E+22	2,535385E+22	2,527280E+22	2,421716E+22	2,246978E+22	2,108154E+22	2,108141E+22	2,246952E+22	2,421687E+22
647	2,527264E+22	2,535428E+22	2,502223E+22	2,502235E+22	2,535489E+22	2,527358E+22	2,421744E+22	2,246973E+22	2,108156E+22	2,108166E+22	2,247000E+22	2,421757E+22
648	2,527314E+22	2,535405E+22	2,502156E+22	2,502150E+22	2,535394E+22	2,527303E+22	2,421731E+22	2,246967E+22	2,108145E+22	2,108152E+22	2,246973E+22	2,421712E+22
649	2,527261E+22	2,535337E+22	2,502085E+22	2,502133E+22	2,535422E+22	2,527338E+22	2,421776E+22	2,247016E+22	2,108177E+22	2,108160E+22	2,246970E+22	2,421723E+22
650	2,527329E+22	2,535473E+22	2,502213E+22	2,502205E+22	2,535452E+22	2,527329E+22	2,421750E+22	2,247009E+22	2,108204E+22	2,108211E+22	2,247030E+22	2,421772E+22
651	2,527330E+22	2,535422E+22	2,502136E+22	2,502099E+22	2,535347E+22	2,527265E+22	2,421729E+22	2,247026E+22	2,108238E+22	2,108221E+22	2,246996E+22	2,421705E+22
652	2,527263E+22	2,535396E+22	2,502191E+22	2,502207E+22	2,535443E+22	2,527332E+22	2,421776E+22	2,247056E+22	2,108260E+22	2,108252E+22	2,247035E+22	2,421761E+22
653	2,527350E+22	2,535490E+22	2,502270E+22	2,502275E+22	2,535456E+22	2,527286E+22	2,421719E+22	2,247024E+22	2,108264E+22	2,108285E+22	2,247074E+22	2,421770E+22
654	2,527305E+22	2,535405E+22	2,502149E+22	2,502159E+22	2,535418E+22	2,527305E+22	2,421749E+22	2,247049E+22	2,108276E+22	2,108279E+22	2,247059E+22	2,421746E+22
655	2,527282E+22	2,535431E+22	2,502246E+22	2,502271E+22	2,535514E+22	2,527391E+22	2,421811E+22	2,247083E+22	2,108297E+22	2,108299E+22	2,247087E+22	2,421811E+22
656	2,527374E+22	2,535483E+22	2,502239E+22	2,502223E+22	2,535436E+22	2,527325E+22	2,421780E+22	2,247079E+22	2,108303E+22	2,108296E+22	2,247055E+22	2,421741E+22
657	2,527291E+22	2,535404E+22	2,502161E+22	2,502171E+22	2,535425E+22	2,527329E+22	2,421804E+22	2,247117E+22	2,108333E+22	2,108304E+22	2,247043E+22	2,421724E+22
658	2,527304E+22	2,535489E+22	2,502293E+22	2,502284E+22	2,535491E+22	2,527339E+22	2,421772E+22	2,247085E+22	2,108328E+22	2,108334E+22	2,247105E+22	2,421796E+22
659	2,527329E+22	2,535434E+22	2,502201E+22	2,502184E+22	2,535399E+22	2,527277E+22	2,421735E+22	2,247063E+22	2,108311E+22	2,108306E+22	2,247060E+22	2,421733E+22
660	2,527255E+22	2,535359E+22	2,502154E+22	2,502202E+22	2,535459E+22	2,527346E+22	2,421788E+22	2,247071E+22	2,108281E+22	2,108278E+22	2,247061E+22	2,421779E+22
661	2,527353E+22	2,535483E+22	2,502250E+22	2,502254E+22	2,535468E+22	2,527313E+22	2,421736E+22	2,247018E+22	2,108236E+22	2,108253E+22	2,247064E+22	2,421790E+22
662	2,527335E+22	2,535425E+22	2,502143E+22	2,502108E+22	2,535365E+22	2,527280E+22	2,421737E+22	2,247021E+22	2,108220E+22	2,108208E+22	2,247000E+22	2,421716E+22
663	2,527270E+22	2,535409E+22	2,502210E+22	2,502216E+22	2,535451E+22	2,527342E+22	2,421775E+22	2,247037E+22	2,108225E+22	2,108212E+22	2,247006E+22	2,421756E+22
664	2,527356E+22	2,535480E+22	2,502235E+22	2,502225E+22	2,535432E+22	2,527290E+22	2,421717E+22	2,246994E+22	2,108202E+22	2,108205E+22	2,246992E+22	2,421701E+22
665	2,527260E+22	2,535371E+22	2,502113E+22	2,502130E+22	2,535412E+22	2,527308E+22	2,421743E+22	2,247018E+22	2,108214E+22	2,108202E+22	2,246985E+22	2,421694E+22
666	2,527257E+22	2,535411E+22	2,502215E+22	2,502232E+22	2,535485E+22	2,527358E+22	2,421760E+22	2,247011E+22	2,108209E+22	2,108220E+22	2,247041E+22	2,421788E+22
667	2,527337E+22	2,535417E+22	2,502161E+22	2,502150E+22	2,535386E+22	2,527287E+22	2,421741E+22	2,247025E+22	2,108226E+22	2,108213E+22	2,247000E+22	2,421717E+22
668	2,527264E+22	2,535348E+22	2,502101E+22	2,502130E+22	2,535405E+22	2,527322E+22	2,421786E+22	2,247069E+22	2,108259E+22	2,108237E+22	2,247013E+22	2,421736E+22
669	2,527329E+22	2,535486E+22	2,502257E+22	2,502242E+22	2,535447E+22	2,527299E+22	2,421736E+22	2,247034E+22	2,108262E+22	2,108273E+22	2,247064E+22	2,421775E+22
670	2,527329E+22	2,535445E+22	2,502190E+22	2,502149E+22	2,535369E+22	2,527256E+22	2,421719E+22	2,247043E+22	2,108286E+22	2,108289E+22	2,247055E+22	2,421724E+22
671	2,527246E+22	2,535382E+22	2,502209E+22	2,502242E+22	2,535470E+22	2,527338E+22	2,421774E+22	2,247077E+22	2,108317E+22	2,108321E+22	2,247089E+22	2,421795E+22
672	2,527364E+22	2,535492E+22	2,502271E+22	2,502282E+22	2,535491E+22	2,527332E+22	2,421752E+22	2,247056E+22	2,108306E+22	2,108326E+22	2,247096E+22	2,421775E+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°
673	2,527310E+22	2,535417E+22	2,502168E+22	2,502165E+22	2,535424E+22	2,527326E+22	2,421793E+22	2,247114E+22	2,108346E+22	2,108326E+22	2,247068E+22	2,421740E+22
674	2,527289E+22	2,535448E+22	2,502267E+22	2,502274E+22	2,535493E+22	2,527366E+22	2,421815E+22	2,247131E+22	2,108370E+22	2,108359E+22	2,247110E+22	2,421808E+22
675	2,527372E+22	2,535498E+22	2,502275E+22	2,502251E+22	2,535432E+22	2,527294E+22	2,421773E+22	2,247129E+22	2,108389E+22	2,108372E+22	2,247088E+22	2,421729E+22
676	2,527260E+22	2,535389E+22	2,502178E+22	2,502197E+22	2,535438E+22	2,527324E+22	2,421800E+22	2,247145E+22	2,108399E+22	2,108384E+22	2,247105E+22	2,421747E+22
677	2,527289E+22	2,535465E+22	2,502299E+22	2,502307E+22	2,535505E+22	2,527341E+22	2,421766E+22	2,247087E+22	2,108354E+22	2,108376E+22	2,247144E+22	2,421823E+22
678	2,527346E+22	2,535446E+22	2,502215E+22	2,502196E+22	2,535408E+22	2,527289E+22	2,421751E+22	2,247080E+22	2,108332E+22	2,108340E+22	2,247099E+22	2,421760E+22
679	2,527270E+22	2,535365E+22	2,502161E+22	2,502203E+22	2,535451E+22	2,527335E+22	2,421791E+22	2,247102E+22	2,108330E+22	2,108317E+22	2,247080E+22	2,421791E+22
680	2,527376E+22	2,535511E+22	2,502265E+22	2,502251E+22	2,535472E+22	2,527327E+22	2,421750E+22	2,247049E+22	2,108282E+22	2,108287E+22	2,247062E+22	2,421763E+22
681	2,527319E+22	2,535443E+22	2,502188E+22	2,502138E+22	2,535369E+22	2,527280E+22	2,421754E+22	2,247066E+22	2,108283E+22	2,108261E+22	2,247012E+22	2,421698E+22
682	2,527250E+22	2,535399E+22	2,502229E+22	2,502244E+22	2,535457E+22	2,527322E+22	2,421760E+22	2,247057E+22	2,108280E+22	2,108273E+22	2,247046E+22	2,421766E+22
683	2,527345E+22	2,535467E+22	2,502243E+22	2,502247E+22	2,535452E+22	2,527294E+22	2,421721E+22	2,247028E+22	2,108264E+22	2,108266E+22	2,247031E+22	2,421712E+22
684	2,527249E+22	2,535351E+22	2,502103E+22	2,502125E+22	2,535412E+22	2,527320E+22	2,421769E+22	2,247059E+22	2,108271E+22	2,108263E+22	2,247033E+22	2,421722E+22
685	2,527268E+22	2,535410E+22	2,502221E+22	2,502231E+22	2,535470E+22	2,527345E+22	2,421767E+22	2,247044E+22	2,108258E+22	2,108262E+22	2,247060E+22	2,421796E+22
686	2,527360E+22	2,535456E+22	2,502204E+22	2,502166E+22	2,535374E+22	2,527268E+22	2,421741E+22	2,247057E+22	2,108284E+22	2,108277E+22	2,247039E+22	2,421719E+22
687	2,527256E+22	2,535358E+22	2,502139E+22	2,502165E+22	2,535403E+22	2,527291E+22	2,421767E+22	2,247098E+22	2,108333E+22	2,108316E+22	2,247060E+22	2,421747E+22
688	2,527329E+22	2,535494E+22	2,502283E+22	2,502278E+22	2,535489E+22	2,527323E+22	2,421736E+22	2,247052E+22	2,108312E+22	2,108334E+22	2,247102E+22	2,421777E+22
689	2,527313E+22	2,535444E+22	2,502220E+22	2,502187E+22	2,535404E+22	2,527290E+22	2,421751E+22	2,247083E+22	2,108341E+22	2,108344E+22	2,247087E+22	2,421738E+22
690	2,527253E+22	2,535377E+22	2,502215E+22	2,502255E+22	2,535479E+22	2,527348E+22	2,421797E+22	2,247120E+22	2,108373E+22	2,108372E+22	2,247122E+22	2,421813E+22
691	2,527383E+22	2,535511E+22	2,502290E+22	2,502294E+22	2,535495E+22	2,527334E+22	2,421778E+22	2,247124E+22	2,108390E+22	2,108386E+22	2,247116E+22	2,421766E+22
692	2,527301E+22	2,535423E+22	2,502184E+22	2,502168E+22	2,535413E+22	2,527324E+22	2,421817E+22	2,247175E+22	2,108434E+22	2,108410E+22	2,247113E+22	2,421743E+22
693	2,527274E+22	2,535442E+22	2,502296E+22	2,502304E+22	2,535487E+22	2,527342E+22	2,421808E+22	2,247163E+22	2,108434E+22	2,108427E+22	2,247151E+22	2,421814E+22
694	2,527367E+22	2,535506E+22	2,502305E+22	2,502285E+22	2,535445E+22	2,527281E+22	2,421758E+22	2,247139E+22	2,108435E+22	2,108444E+22	2,247154E+22	2,421755E+22
695	2,527250E+22	2,535368E+22	2,502174E+22	2,502208E+22	2,535443E+22	2,527318E+22	2,421791E+22	2,247157E+22	2,108442E+22	2,108443E+22	2,247158E+22	2,421790E+22
696	2,527320E+22	2,535477E+22	2,502293E+22	2,502298E+22	2,535516E+22	2,527366E+22	2,421783E+22	2,247103E+22	2,108375E+22	2,108397E+22	2,247155E+22	2,421828E+22
697	2,527362E+22	2,535475E+22	2,502244E+22	2,502203E+22	2,535399E+22	2,527290E+22	2,421774E+22	2,247121E+22	2,108376E+22	2,108363E+22	2,247090E+22	2,421747E+22
698	2,527282E+22	2,535392E+22	2,502194E+22	2,502218E+22	2,535433E+22	2,527308E+22	2,421783E+22	2,247129E+22	2,108380E+22	2,108358E+22	2,247086E+22	2,421772E+22
699	2,527368E+22	2,535529E+22	2,502309E+22	2,502293E+22	2,535482E+22	2,527309E+22	2,421744E+22	2,247086E+22	2,108347E+22	2,108343E+22	2,247078E+22	2,421734E+22
700	2,527275E+22	2,535419E+22	2,502201E+22	2,502172E+22	2,535396E+22	2,527294E+22	2,421764E+22	2,247097E+22	2,108344E+22	2,108332E+22	2,247063E+22	2,421707E+22
701	2,527221E+22	2,535363E+22	2,502225E+22	2,502265E+22	2,535474E+22	2,527336E+22	2,421773E+22	2,247078E+22	2,108317E+22	2,108318E+22	2,247082E+22	2,421784E+22
702	2,527350E+22	2,535464E+22	2,502246E+22	2,502254E+22	2,535455E+22	2,527304E+22	2,421745E+22	2,247061E+22	2,108310E+22	2,108323E+22	2,247080E+22	2,421735E+22
703	2,527256E+22	2,535350E+22	2,502101E+22	2,502119E+22	2,535394E+22	2,527307E+22	2,421777E+22	2,247104E+22	2,108343E+22	2,108331E+22	2,247075E+22	2,421746E+22
704	2,527294E+22	2,535442E+22	2,502237E+22	2,502226E+22	2,535462E+22	2,527347E+22	2,421774E+22	2,247078E+22	2,108320E+22	2,108322E+22	2,247087E+22	2,421788E+22
705	2,527354E+22	2,535482E+22	2,502255E+22	2,502206E+22	2,535378E+22	2,527257E+22	2,421744E+22	2,247096E+22	2,108354E+22	2,108346E+22	2,247074E+22	2,421725E+22
706	2,527256E+22	2,535362E+22	2,502167E+22	2,502205E+22	2,535420E+22	2,527277E+22	2,421746E+22	2,247110E+22	2,108386E+22	2,108384E+22	2,247112E+22	2,421773E+22
707	2,527337E+22	2,535498E+22	2,502301E+22	2,502310E+22	2,535514E+22	2,527336E+22	2,421752E+22	2,247089E+22	2,108369E+22	2,108390E+22	2,247138E+22	2,421789E+22
708	2,527311E+22	2,535440E+22	2,502227E+22	2,502201E+22	2,535415E+22	2,527314E+22	2,421791E+22	2,247137E+22	2,108404E+22	2,108402E+22	2,247124E+22	2,421754E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$ Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
709	2,527258E+22	2,535385E+22	2,502233E+22	2,502264E+22	2,535466E+22	2,527341E+22	2,421815E+22	2,247167E+22	2,108432E+22	2,108417E+22	2,247134E+22	2,421803E+22
710	2,527383E+22	2,535539E+22	2,502332E+22	2,502319E+22	2,535488E+22	2,527321E+22	2,421787E+22	2,247162E+22	2,108460E+22	2,108462E+22	2,247157E+22	2,421757E+22
711	2,527276E+22	2,535418E+22	2,502209E+22	2,502199E+22	2,535412E+22	2,527299E+22	2,421804E+22	2,247208E+22	2,108510E+22	2,108495E+22	2,247167E+22	2,421757E+22
712	2,527268E+22	2,535438E+22	2,502295E+22	2,502315E+22	2,535511E+22	2,527359E+22	2,421807E+22	2,247177E+22	2,108480E+22	2,108486E+22	2,247192E+22	2,421823E+22
713	2,527358E+22	2,535504E+22	2,502320E+22	2,502305E+22	2,535460E+22	2,527299E+22	2,421780E+22	2,247170E+22	2,108479E+22	2,108487E+22	2,247183E+22	2,421781E+22
714	2,527274E+22	2,535374E+22	2,502175E+22	2,502212E+22	2,535436E+22	2,527305E+22	2,421792E+22	2,247180E+22	2,108480E+22	2,108478E+22	2,247182E+22	2,421808E+22
715	2,527347E+22	2,535508E+22	2,502317E+22	2,502310E+22	2,535507E+22	2,527353E+22	2,421796E+22	2,247150E+22	2,108432E+22	2,108436E+22	2,247161E+22	2,421811E+22
716	2,527350E+22	2,535489E+22	2,502276E+22	2,502226E+22	2,535395E+22	2,527287E+22	2,421789E+22	2,247162E+22	2,108438E+22	2,108422E+22	2,247116E+22	2,421733E+22
717	2,527251E+22	2,535386E+22	2,502226E+22	2,502257E+22	2,535439E+22	2,527292E+22	2,421776E+22	2,247149E+22	2,108426E+22	2,108408E+22	2,247112E+22	2,421761E+22
718	2,527341E+22	2,535522E+22	2,502330E+22	2,502333E+22	2,535513E+22	2,527320E+22	2,421742E+22	2,247094E+22	2,108389E+22	2,108411E+22	2,247135E+22	2,421749E+22
719	2,527255E+22	2,535386E+22	2,502181E+22	2,502177E+22	2,535406E+22	2,527305E+22	2,421776E+22	2,247123E+22	2,108394E+22	2,108394E+22	2,247117E+22	2,421747E+22
720	2,527246E+22	2,535365E+22	2,502198E+22	2,502241E+22	2,535475E+22	2,527359E+22	2,421801E+22	2,247114E+22	2,108359E+22	2,108356E+22	2,247106E+22	2,421795E+22
721	2,527364E+22	2,535491E+22	2,502268E+22	2,502255E+22	2,535436E+22	2,527295E+22	2,421767E+22	2,247114E+22	2,108373E+22	2,108367E+22	2,247094E+22	2,421741E+22
722	2,527275E+22	2,535376E+22	2,502133E+22	2,502135E+22	2,535372E+22	2,527268E+22	2,421759E+22	2,247130E+22	2,108405E+22	2,108394E+22	2,247107E+22	2,421749E+22
723	2,527300E+22	2,535473E+22	2,502287E+22	2,502273E+22	2,535468E+22	2,527322E+22	2,421765E+22	2,247111E+22	2,108384E+22	2,108389E+22	2,247122E+22	2,421781E+22
724	2,527329E+22	2,535477E+22	2,502281E+22	2,502248E+22	2,535409E+22	2,527274E+22	2,421754E+22	2,247122E+22	2,108410E+22	2,108415E+22	2,247127E+22	2,421742E+22
725	2,527240E+22	2,535351E+22	2,502185E+22	2,502237E+22	2,535443E+22	2,527296E+22	2,421767E+22	2,247138E+22	2,108427E+22	2,108427E+22	2,247141E+22	2,421784E+22
726	2,527344E+22	2,535512E+22	2,502322E+22	2,502334E+22	2,535530E+22	2,527352E+22	2,421779E+22	2,247129E+22	2,108427E+22	2,108449E+22	2,247173E+22	2,421793E+22
727	2,527307E+22	2,535439E+22	2,502230E+22	2,502206E+22	2,535408E+22	2,527310E+22	2,421814E+22	2,247198E+22	2,108490E+22	2,108477E+22	2,247162E+22	2,421763E+22
728	2,527265E+22	2,535403E+22	2,502241E+22	2,502265E+22	2,535467E+22	2,527345E+22	2,421833E+22	2,247215E+22	2,108507E+22	2,108488E+22	2,247167E+22	2,421791E+22
729	2,527358E+22	2,535545E+22	2,502369E+22	2,502354E+22	2,535491E+22	2,527306E+22	2,421791E+22	2,247207E+22	2,108535E+22	2,108536E+22	2,247203E+22	2,421774E+22
730	2,527273E+22	2,535408E+22	2,502217E+22	2,502222E+22	2,535418E+22	2,527280E+22	2,421782E+22	2,247216E+22	2,108561E+22	2,108565E+22	2,247228E+22	2,421795E+22
731	2,527286E+22	2,535449E+22	2,502306E+22	2,502328E+22	2,535512E+22	2,527354E+22	2,421816E+22	2,247204E+22	2,108521E+22	2,108531E+22	2,247227E+22	2,421841E+22
732	2,527367E+22	2,535512E+22	2,502327E+22	2,502311E+22	2,535460E+22	2,527305E+22	2,421801E+22	2,247206E+22	2,108524E+22	2,108526E+22	2,247208E+22	2,421792E+22
733	2,527281E+22	2,535399E+22	2,502207E+22	2,502229E+22	2,535426E+22	2,527289E+22	2,421793E+22	2,247206E+22	2,108517E+22	2,108502E+22	2,247179E+22	2,421791E+22
734	2,527342E+22	2,535537E+22	2,502366E+22	2,502349E+22	2,535514E+22	2,527342E+22	2,421793E+22	2,247169E+22	2,108481E+22	2,108492E+22	2,247185E+22	2,421790E+22
735	2,527313E+22	2,535473E+22	2,502293E+22	2,502265E+22	2,535416E+22	2,527283E+22	2,421789E+22	2,247190E+22	2,108497E+22	2,108488E+22	2,247160E+22	2,421741E+22
736	2,527235E+22	2,535370E+22	2,502211E+22	2,502266E+22	2,535475E+22	2,527327E+22	2,421795E+22	2,247170E+22	2,108465E+22	2,108456E+22	2,247147E+22	2,421766E+22
737	2,527319E+22	2,535505E+22	2,502328E+22	2,502342E+22	2,535525E+22	2,527343E+22	2,421781E+22	2,247141E+22	2,108439E+22	2,108452E+22	2,247164E+22	2,421777E+22
738	2,527276E+22	2,535386E+22	2,502169E+22	2,502166E+22	2,535390E+22	2,527289E+22	2,421782E+22	2,247159E+22	2,108449E+22	2,108445E+22	2,247152E+22	2,421773E+22
739	2,527277E+22	2,535400E+22	2,502215E+22	2,502234E+22	2,535445E+22	2,527332E+22	2,421813E+22	2,247168E+22	2,108428E+22	2,108412E+22	2,247129E+22	2,421792E+22
740	2,527361E+22	2,535514E+22	2,502303E+22	2,502277E+22	2,535424E+22	2,527275E+22	2,421772E+22	2,247155E+22	2,108444E+22	2,108439E+22	2,247138E+22	2,421746E+22
741	2,527259E+22	2,535390E+22	2,502180E+22	2,502181E+22	2,535377E+22	2,527238E+22	2,421735E+22	2,247140E+22	2,108448E+22	2,108447E+22	2,247143E+22	2,421753E+22
742	2,527288E+22	2,535480E+22	2,502322E+22	2,502323E+22	2,535504E+22	2,527331E+22	2,421758E+22	2,247113E+22	2,108425E+22	2,108455E+22	2,247175E+22	2,421798E+22
743	2,527317E+22	2,535461E+22	2,502281E+22	2,502273E+22	2,535434E+22	2,527293E+22	2,421776E+22	2,247154E+22	2,108460E+22	2,108471E+22	2,247169E+22	2,421768E+22
744	2,527259E+22	2,535364E+22	2,502174E+22	2,502229E+22	2,535455E+22	2,527322E+22	2,421804E+22	2,247188E+22	2,108482E+22	2,108468E+22	2,247154E+22	2,421774E+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	2,527334E+22	2,535531E+22	2,502353E+22	2,502351E+22	2,535526E+22	2,527353E+22	2,421813E+22	2,247199E+22	2,108509E+22	2,108505E+22	2,247187E+22	2,421789E+22
746	2,527306E+22	2,535450E+22	2,502255E+22	2,502227E+22	2,535397E+22	2,527276E+22	2,421803E+22	2,247239E+22	2,108572E+22	2,108560E+22	2,247208E+22	2,421768E+22
747	2,527258E+22	2,535415E+22	2,502270E+22	2,502296E+22	2,535468E+22	2,527323E+22	2,421832E+22	2,247257E+22	2,108581E+22	2,108568E+22	2,247220E+22	2,421799E+22
748	2,527334E+22	2,535529E+22	2,502379E+22	2,502380E+22	2,535512E+22	2,527318E+22	2,421802E+22	2,247235E+22	2,108591E+22	2,108607E+22	2,247265E+22	2,421806E+22
749	2,527269E+22	2,535406E+22	2,502232E+22	2,502238E+22	2,535423E+22	2,527280E+22	2,421789E+22	2,247233E+22	2,108590E+22	2,108599E+22	2,247258E+22	2,421818E+22
750	2,527307E+22	2,535475E+22	2,502332E+22	2,502348E+22	2,535521E+22	2,527356E+22	2,421824E+22	2,247226E+22	2,108564E+22	2,108579E+22	2,247253E+22	2,421847E+22
751	2,527371E+22	2,535526E+22	2,502342E+22	2,502322E+22	2,535460E+22	2,527301E+22	2,421815E+22	2,247247E+22	2,108585E+22	2,108580E+22	2,247231E+22	2,421792E+22
752	2,527285E+22	2,535419E+22	2,502224E+22	2,502243E+22	2,535439E+22	2,527295E+22	2,421807E+22	2,247242E+22	2,108571E+22	2,108550E+22	2,247195E+22	2,421769E+22
753	2,527306E+22	2,535533E+22	2,502398E+22	2,502391E+22	2,535537E+22	2,527344E+22	2,421805E+22	2,247210E+22	2,108541E+22	2,108542E+22	2,247214E+22	2,421801E+22
754	2,527300E+22	2,535447E+22	2,502284E+22	2,502278E+22	2,535431E+22	2,527281E+22	2,421785E+22	2,247208E+22	2,108545E+22	2,108548E+22	2,247211E+22	2,421773E+22
755	2,527249E+22	2,535373E+22	2,502205E+22	2,502255E+22	2,535464E+22	2,527328E+22	2,421823E+22	2,247214E+22	2,108510E+22	2,108501E+22	2,247180E+22	2,421784E+22
756	2,527325E+22	2,535508E+22	2,502325E+22	2,502329E+22	2,535506E+22	2,527336E+22	2,421802E+22	2,247187E+22	2,108495E+22	2,108500E+22	2,247194E+22	2,421789E+22
757	2,527282E+22	2,535415E+22	2,502204E+22	2,502171E+22	2,535365E+22	2,527253E+22	2,421770E+22	2,247183E+22	2,108495E+22	2,108485E+22	2,247165E+22	2,421767E+22
758	2,527280E+22	2,535437E+22	2,502275E+22	2,502279E+22	2,535447E+22	2,527299E+22	2,421784E+22	2,247173E+22	2,108481E+22	2,108480E+22	2,247165E+22	2,421783E+22
759	2,527335E+22	2,535506E+22	2,502327E+22	2,502319E+22	2,535450E+22	2,527268E+22	2,421760E+22	2,247172E+22	2,108497E+22	2,108505E+22	2,247185E+22	2,421763E+22
760	2,527253E+22	2,535386E+22	2,502181E+22	2,502207E+22	2,535425E+22	2,527274E+22	2,421756E+22	2,247163E+22	2,108486E+22	2,108489E+22	2,247171E+22	2,421758E+22
761	2,527272E+22	2,535472E+22	2,502338E+22	2,502351E+22	2,535530E+22	2,527359E+22	2,421802E+22	2,247170E+22	2,108480E+22	2,108491E+22	2,247195E+22	2,421817E+22
762	2,527330E+22	2,535460E+22	2,502279E+22	2,502275E+22	2,535436E+22	2,527292E+22	2,421798E+22	2,247209E+22	2,108534E+22	2,108534E+22	2,247202E+22	2,421780E+22
763	2,527273E+22	2,535394E+22	2,502198E+22	2,502227E+22	2,535433E+22	2,527311E+22	2,421835E+22	2,247258E+22	2,108569E+22	2,108543E+22	2,247187E+22	2,421765E+22
764	2,527311E+22	2,535530E+22	2,502379E+22	2,502371E+22	2,535521E+22	2,527338E+22	2,421824E+22	2,247254E+22	2,108599E+22	2,108597E+22	2,247245E+22	2,421798E+22
765	2,527283E+22	2,535450E+22	2,502288E+22	2,502260E+22	2,535404E+22	2,527249E+22	2,421780E+22	2,247255E+22	2,108630E+22	2,108631E+22	2,247263E+22	2,421794E+22
766	2,527260E+22	2,535419E+22	2,502294E+22	2,502327E+22	2,535490E+22	2,527320E+22	2,421816E+22	2,247257E+22	2,108626E+22	2,108641E+22	2,247281E+22	2,421833E+22
767	2,527342E+22	2,535524E+22	2,502377E+22	2,502386E+22	2,535520E+22	2,527325E+22	2,421819E+22	2,247264E+22	2,108634E+22	2,108654E+22	2,247305E+22	2,421843E+22
768	2,527305E+22	2,535435E+22	2,502239E+22	2,502237E+22	2,535431E+22	2,527291E+22	2,421811E+22	2,247270E+22	2,108630E+22	2,108622E+22	2,247257E+22	2,421806E+22
769	2,527306E+22	2,535504E+22	2,502380E+22	2,502378E+22	2,535523E+22	2,527352E+22	2,421845E+22	2,247277E+22	2,108624E+22	2,108611E+22	2,247251E+22	2,421835E+22
770	2,527365E+22	2,535535E+22	2,502373E+22	2,502355E+22	2,535469E+22	2,527282E+22	2,421805E+22	2,247276E+22	2,108647E+22	2,108642E+22	2,247259E+22	2,421784E+22
771	2,527268E+22	2,535423E+22	2,502249E+22	2,502266E+22	2,535450E+22	2,527295E+22	2,421820E+22	2,247281E+22	2,108630E+22	2,108611E+22	2,247231E+22	2,421765E+22
772	2,527270E+22	2,535498E+22	2,502394E+22	2,502406E+22	2,535559E+22	2,527366E+22	2,421831E+22	2,247248E+22	2,108596E+22	2,108603E+22	2,247261E+22	2,421820E+22
773	2,527290E+22	2,535438E+22	2,502287E+22	2,502276E+22	2,535423E+22	2,527271E+22	2,421791E+22	2,247234E+22	2,108583E+22	2,108584E+22	2,247237E+22	2,421794E+22
774	2,527266E+22	2,535389E+22	2,502220E+22	2,502256E+22	2,535453E+22	2,527310E+22	2,421816E+22	2,247236E+22	2,108564E+22	2,108559E+22	2,247212E+22	2,421794E+22
775	2,527330E+22	2,535518E+22	2,502340E+22	2,502329E+22	2,535490E+22	2,527316E+22	2,421803E+22	2,247220E+22	2,108556E+22	2,108560E+22	2,247229E+22	2,421801E+22
776	2,527291E+22	2,535436E+22	2,502230E+22	2,502193E+22	2,535374E+22	2,527241E+22	2,421762E+22	2,247202E+22	2,108541E+22	2,108533E+22	2,247189E+22	2,421758E+22
777	2,527256E+22	2,535439E+22	2,502318E+22	2,502332E+22	2,535482E+22	2,527302E+22	2,421782E+22	2,247196E+22	2,108528E+22	2,108525E+22	2,247196E+22	2,421804E+22
778	2,527335E+22	2,535492E+22	2,502330E+22	2,502342E+22	2,535482E+22	2,527280E+22	2,421760E+22	2,247187E+22	2,108540E+22	2,108559E+22	2,247228E+22	2,421791E+22
779	2,527270E+22	2,535397E+22	2,502191E+22	2,502206E+22	2,535425E+22	2,527291E+22	2,421800E+22	2,247219E+22	2,108541E+22	2,108534E+22	2,247195E+22	2,421763E+22
780	2,527266E+22	2,535470E+22	2,502346E+22	2,502353E+22	2,535528E+22	2,527367E+22	2,421841E+22	2,247239E+22	2,108560E+22	2,108552E+22	2,247219E+22	2,421811E+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	2,527319E+22	2,535480E+22	2,502317E+22	2,502286E+22	2,535419E+22	2,527266E+22	2,421798E+22	2,247255E+22	2,108608E+22	2,108599E+22	2,247229E+22	2,421774E+22
782	2,527263E+22	2,535412E+22	2,502246E+22	2,502265E+22	2,535437E+22	2,527285E+22	2,421816E+22	2,247282E+22	2,108648E+22	2,108638E+22	2,247244E+22	2,421771E+22
783	2,527290E+22	2,535514E+22	2,502390E+22	2,502396E+22	2,535539E+22	2,527336E+22	2,421821E+22	2,247281E+22	2,108665E+22	2,108680E+22	2,247312E+22	2,421834E+22
784	2,527293E+22	2,535448E+22	2,502289E+22	2,502277E+22	2,535434E+22	2,527270E+22	2,421793E+22	2,247278E+22	2,108671E+22	2,108679E+22	2,247300E+22	2,421815E+22
785	2,527269E+22	2,535430E+22	2,502320E+22	2,502355E+22	2,535508E+22	2,527332E+22	2,421840E+22	2,247302E+22	2,108675E+22	2,108672E+22	2,247301E+22	2,421861E+22
786	2,527371E+22	2,535540E+22	2,502387E+22	2,502391E+22	2,535521E+22	2,527319E+22	2,421827E+22	2,247306E+22	2,108697E+22	2,108707E+22	2,247328E+22	2,421850E+22
787	2,527323E+22	2,535476E+22	2,502284E+22	2,502249E+22	2,535416E+22	2,527285E+22	2,421840E+22	2,247327E+22	2,108698E+22	2,108678E+22	2,247274E+22	2,421785E+22
788	2,527275E+22	2,535499E+22	2,502413E+22	2,502412E+22	2,535530E+22	2,527345E+22	2,421856E+22	2,247325E+22	2,108697E+22	2,108681E+22	2,247286E+22	2,421821E+22
789	2,527327E+22	2,535522E+22	2,502396E+22	2,502384E+22	2,535485E+22	2,527273E+22	2,421790E+22	2,247289E+22	2,108694E+22	2,108699E+22	2,247300E+22	2,421797E+22
790	2,527258E+22	2,535412E+22	2,502258E+22	2,502282E+22	2,535467E+22	2,527301E+22	2,421810E+22	2,247283E+22	2,108671E+22	2,108675E+22	2,247280E+22	2,421789E+22
791	2,527270E+22	2,535475E+22	2,502369E+22	2,502385E+22	2,535550E+22	2,527370E+22	2,421847E+22	2,247280E+22	2,108640E+22	2,108648E+22	2,247297E+22	2,421851E+22
792	2,527321E+22	2,535454E+22	2,502283E+22	2,502264E+22	2,535415E+22	2,527265E+22	2,421799E+22	2,247266E+22	2,108625E+22	2,108613E+22	2,247242E+22	2,421789E+22
793	2,527271E+22	2,535417E+22	2,502266E+22	2,502284E+22	2,535446E+22	2,527286E+22	2,421811E+22	2,247269E+22	2,108616E+22	2,108594E+22	2,247223E+22	2,421797E+22
794	2,527332E+22	2,535526E+22	2,502370E+22	2,502360E+22	2,535497E+22	2,527291E+22	2,421780E+22	2,247235E+22	2,108608E+22	2,108621E+22	2,247265E+22	2,421806E+22
795	2,527288E+22	2,535449E+22	2,502266E+22	2,502224E+22	2,535391E+22	2,527253E+22	2,421777E+22	2,247229E+22	2,108584E+22	2,108584E+22	2,247221E+22	2,421758E+22
796	2,527229E+22	2,535415E+22	2,502325E+22	2,502356E+22	2,535512E+22	2,527335E+22	2,421817E+22	2,247238E+22	2,108581E+22	2,108576E+22	2,247228E+22	2,421809E+22
797	2,527327E+22	2,535493E+22	2,502342E+22	2,502350E+22	2,535490E+22	2,527289E+22	2,421780E+22	2,247228E+22	2,108592E+22	2,108601E+22	2,247248E+22	2,421798E+22
798	2,527282E+22	2,535416E+22	2,502214E+22	2,502215E+22	2,535422E+22	2,527287E+22	2,421807E+22	2,247264E+22	2,108623E+22	2,108613E+22	2,247229E+22	2,421763E+22
799	2,527259E+22	2,535467E+22	2,502355E+22	2,502354E+22	2,535514E+22	2,527356E+22	2,421857E+22	2,247298E+22	2,108650E+22	2,108639E+22	2,247270E+22	2,421824E+22
800	2,527319E+22	2,535486E+22	2,502338E+22	2,502312E+22	2,535427E+22	2,527249E+22	2,421793E+22	2,247291E+22	2,108680E+22	2,108675E+22	2,247276E+22	2,421781E+22
801	2,527248E+22	2,535410E+22	2,502281E+22	2,502310E+22	2,535462E+22	2,527282E+22	2,421809E+22	2,247308E+22	2,108706E+22	2,108700E+22	2,247299E+22	2,421816E+22
802	2,527307E+22	2,535509E+22	2,502392E+22	2,502408E+22	2,535551E+22	2,527337E+22	2,421819E+22	2,247297E+22	2,108713E+22	2,108742E+22	2,247365E+22	2,421874E+22
803	2,527330E+22	2,535481E+22	2,502313E+22	2,502277E+22	2,535421E+22	2,527277E+22	2,421827E+22	2,247323E+22	2,108718E+22	2,108719E+22	2,247319E+22	2,421818E+22
804	2,527275E+22	2,535449E+22	2,502350E+22	2,502374E+22	2,535511E+22	2,527336E+22	2,421864E+22	2,247357E+22	2,108744E+22	2,108722E+22	2,247311E+22	2,421840E+22
805	2,527361E+22	2,535570E+22	2,502439E+22	2,502421E+22	2,535518E+22	2,527297E+22	2,421816E+22	2,247333E+22	2,108754E+22	2,108757E+22	2,247340E+22	2,421828E+22
806	2,527300E+22	2,535482E+22	2,502328E+22	2,502297E+22	2,535437E+22	2,527274E+22	2,421821E+22	2,247345E+22	2,108765E+22	2,108757E+22	2,247315E+22	2,421777E+22
807	2,527236E+22	2,535459E+22	2,502404E+22	2,502432E+22	2,535557E+22	2,527364E+22	2,421870E+22	2,247353E+22	2,108753E+22	2,108749E+22	2,247340E+22	2,421844E+22
808	2,527321E+22	2,535496E+22	2,502377E+22	2,502388E+22	2,535504E+22	2,527294E+22	2,421811E+22	2,247316E+22	2,108731E+22	2,108739E+22	2,247330E+22	2,421813E+22
809	2,527261E+22	2,535410E+22	2,502263E+22	2,502289E+22	2,535466E+22	2,527305E+22	2,421832E+22	2,247325E+22	2,108716E+22	2,108705E+22	2,247304E+22	2,421820E+22
810	2,527300E+22	2,535489E+22	2,502366E+22	2,502368E+22	2,535527E+22	2,527351E+22	2,421845E+22	2,247311E+22	2,108697E+22	2,108701E+22	2,247325E+22	2,421863E+22
811	2,527346E+22	2,535496E+22	2,502323E+22	2,502267E+22	2,535385E+22	2,527246E+22	2,421812E+22	2,247303E+22	2,108679E+22	2,108665E+22	2,247264E+22	2,421777E+22
812	2,527253E+22	2,535419E+22	2,502302E+22	2,502327E+22	2,535460E+22	2,527276E+22	2,421806E+22	2,247296E+22	2,108674E+22	2,108655E+22	2,247256E+22	2,421788E+22
813	2,527310E+22	2,535527E+22	2,502398E+22	2,502395E+22	2,535520E+22	2,527289E+22	2,421763E+22	2,247238E+22	2,108643E+22	2,108667E+22	2,247298E+22	2,421819E+22
814	2,527287E+22	2,535449E+22	2,502286E+22	2,502252E+22	2,535415E+22	2,527270E+22	2,421781E+22	2,247244E+22	2,108630E+22	2,108641E+22	2,247257E+22	2,421771E+22
815	2,527229E+22	2,535400E+22	2,502312E+22	2,502349E+22	2,535512E+22	2,527353E+22	2,421854E+22	2,247292E+22	2,108642E+22	2,108629E+22	2,247257E+22	2,421819E+22
816	2,527338E+22	2,535504E+22	2,502351E+22	2,502355E+22	2,535487E+22	2,527289E+22	2,421801E+22	2,247280E+22	2,108661E+22	2,108654E+22	2,247261E+22	2,421784E+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°
817	2,527272E+22	2,535434E+22	2,502261E+22	2,502252E+22	2,535421E+22	2,527270E+22	2,421811E+22	2,247312E+22	2,108699E+22	2,108678E+22	2,247266E+22	2,421774E+22
818	2,527255E+22	2,535463E+22	2,502369E+22	2,502376E+22	2,535518E+22	2,527336E+22	2,421841E+22	2,247325E+22	2,108725E+22	2,108729E+22	2,247334E+22	2,421847E+22
819	2,527325E+22	2,535497E+22	2,502364E+22	2,502334E+22	2,535435E+22	2,527259E+22	2,421811E+22	2,247322E+22	2,108737E+22	2,108744E+22	2,247330E+22	2,421804E+22
820	2,527244E+22	2,535402E+22	2,502295E+22	2,502337E+22	2,535480E+22	2,527296E+22	2,421830E+22	2,247346E+22	2,108761E+22	2,108757E+22	2,247338E+22	2,421830E+22
821	2,527318E+22	2,535530E+22	2,502415E+22	2,502420E+22	2,535550E+22	2,527333E+22	2,421825E+22	2,247329E+22	2,108762E+22	2,108784E+22	2,247386E+22	2,421883E+22
822	2,527348E+22	2,535516E+22	2,502357E+22	2,502306E+22	2,535426E+22	2,527272E+22	2,421826E+22	2,247355E+22	2,108788E+22	2,108785E+22	2,247341E+22	2,421805E+22
823	2,527260E+22	2,535450E+22	2,502369E+22	2,502390E+22	2,535510E+22	2,527333E+22	2,421881E+22	2,247405E+22	2,108818E+22	2,108794E+22	2,247346E+22	2,421833E+22
824	2,527341E+22	2,535561E+22	2,502456E+22	2,502459E+22	2,535543E+22	2,527299E+22	2,421819E+22	2,247364E+22	2,108813E+22	2,108817E+22	2,247374E+22	2,421825E+22
825	2,527275E+22	2,535464E+22	2,502344E+22	2,502336E+22	2,535465E+22	2,527287E+22	2,421827E+22	2,247368E+22	2,108810E+22	2,108807E+22	2,247364E+22	2,421816E+22
826	2,527245E+22	2,535436E+22	2,502375E+22	2,502417E+22	2,535554E+22	2,527369E+22	2,421882E+22	2,247379E+22	2,108797E+22	2,108802E+22	2,247387E+22	2,421881E+22
827	2,527354E+22	2,535520E+22	2,502382E+22	2,502367E+22	2,535470E+22	2,527291E+22	2,421844E+22	2,247360E+22	2,108775E+22	2,108774E+22	2,247348E+22	2,421817E+22
828	2,527269E+22	2,535429E+22	2,502286E+22	2,502296E+22	2,535447E+22	2,527287E+22	2,421839E+22	2,247365E+22	2,108775E+22	2,108751E+22	2,247314E+22	2,421801E+22
829	2,527298E+22	2,535526E+22	2,502413E+22	2,502393E+22	2,535511E+22	2,527314E+22	2,421818E+22	2,247321E+22	2,108741E+22	2,108749E+22	2,247344E+22	2,421851E+22
830	2,527335E+22	2,535515E+22	2,502373E+22	2,502322E+22	2,535408E+22	2,527233E+22	2,421781E+22	2,247304E+22	2,108729E+22	2,108729E+22	2,247299E+22	2,421771E+22
831	2,527225E+22	2,535395E+22	2,502303E+22	2,502353E+22	2,535492E+22	2,527303E+22	2,421824E+22	2,247320E+22	2,108718E+22	2,108708E+22	2,247297E+22	2,421803E+22
832	2,527305E+22	2,535510E+22	2,502393E+22	2,502417E+22	2,535548E+22	2,527317E+22	2,421793E+22	2,247273E+22	2,108682E+22	2,108700E+22	2,247316E+22	2,421822E+22
833	2,527285E+22	2,535449E+22	2,502297E+22	2,502274E+22	2,535427E+22	2,527285E+22	2,421814E+22	2,247300E+22	2,108689E+22	2,108683E+22	2,247285E+22	2,421791E+22
834	2,527242E+22	2,535405E+22	2,502306E+22	2,502339E+22	2,535495E+22	2,527345E+22	2,421871E+22	2,247345E+22	2,108724E+22	2,108707E+22	2,247301E+22	2,421827E+22
835	2,527345E+22	2,535532E+22	2,502384E+22	2,502359E+22	2,535456E+22	2,527272E+22	2,421823E+22	2,247332E+22	2,108739E+22	2,108734E+22	2,247308E+22	2,421782E+22
836	2,527249E+22	2,535428E+22	2,502290E+22	2,502293E+22	2,535434E+22	2,527257E+22	2,421805E+22	2,247347E+22	2,108776E+22	2,108764E+22	2,247323E+22	2,421784E+22
837	2,527250E+22	2,535474E+22	2,502390E+22	2,502400E+22	2,535528E+22	2,527325E+22	2,421818E+22	2,247326E+22	2,108767E+22	2,108791E+22	2,247387E+22	2,421880E+22
838	2,527343E+22	2,535513E+22	2,502385E+22	2,502359E+22	2,535448E+22	2,527261E+22	2,421804E+22	2,247337E+22	2,108785E+22	2,108801E+22	2,247369E+22	2,421825E+22
839	2,527258E+22	2,535410E+22	2,502300E+22	2,502341E+22	2,535482E+22	2,527308E+22	2,421860E+22	2,247394E+22	2,108817E+22	2,108803E+22	2,247361E+22	2,421838E+22
840	2,527330E+22	2,535552E+22	2,502445E+22	2,502447E+22	2,535554E+22	2,527329E+22	2,421840E+22	2,247373E+22	2,108820E+22	2,108826E+22	2,247389E+22	2,421858E+22
841	2,527329E+22	2,535532E+22	2,502410E+22	2,502362E+22	2,535444E+22	2,527269E+22	2,421837E+22	2,247399E+22	2,108851E+22	2,108840E+22	2,247372E+22	2,421805E+22
842	2,527239E+22	2,535435E+22	2,502373E+22	2,502414E+22	2,535528E+22	2,527334E+22	2,421884E+22	2,247436E+22	2,108886E+22	2,108872E+22	2,247400E+22	2,421843E+22
843	2,527327E+22	2,535556E+22	2,502463E+22	2,502464E+22	2,535548E+22	2,527322E+22	2,421854E+22	2,247401E+22	2,108865E+22	2,108876E+22	2,247417E+22	2,421838E+22
844	2,527262E+22	2,535445E+22	2,502339E+22	2,502346E+22	2,535472E+22	2,527298E+22	2,421854E+22	2,247415E+22	2,108868E+22	2,108861E+22	2,247397E+22	2,421827E+22
845	2,527260E+22	2,535458E+22	2,502378E+22	2,502405E+22	2,535529E+22	2,527346E+22	2,421879E+22	2,247407E+22	2,108846E+22	2,108846E+22	2,247411E+22	2,421894E+22
846	2,527374E+22	2,535557E+22	2,502416E+22	2,502381E+22	2,535455E+22	2,527264E+22	2,421827E+22	2,247384E+22	2,108838E+22	2,108835E+22	2,247376E+22	2,421814E+22
847	2,527261E+22	2,535440E+22	2,502311E+22	2,502316E+22	2,535442E+22	2,527270E+22	2,421838E+22	2,247393E+22	2,108829E+22	2,108810E+22	2,247351E+22	2,421803E+22
848	2,527282E+22	2,535521E+22	2,502439E+22	2,502442E+22	2,535539E+22	2,527308E+22	2,421806E+22	2,247329E+22	2,108777E+22	2,108792E+22	2,247372E+22	2,421851E+22
849	2,527316E+22	2,535507E+22	2,502396E+22	2,502373E+22	2,535451E+22	2,527257E+22	2,421791E+22	2,247316E+22	2,108754E+22	2,108763E+22	2,247338E+22	2,421803E+22
850	2,527232E+22	2,535381E+22	2,502279E+22	2,502344E+22	2,535497E+22	2,527321E+22	2,421851E+22	2,247356E+22	2,108764E+22	2,108755E+22	2,247332E+22	2,421822E+22
851	2,527321E+22	2,535532E+22	2,502402E+22	2,502404E+22	2,535528E+22	2,527329E+22	2,421841E+22	2,247332E+22	2,108742E+22	2,108744E+22	2,247330E+22	2,421815E+22
852	2,527278E+22	2,535461E+22	2,502321E+22	2,502291E+22	2,535417E+22	2,527269E+22	2,421828E+22	2,247356E+22	2,108770E+22	2,108751E+22	2,247307E+22	2,421773E+22

1 Longitude $\ominus$	2	3	4	5	6	7	8	9	10	11	12	13
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
853	2,527231E+22	2,535427E+22	2,502335E+22	2,502355E+22	2,535476E+22	2,527307E+22	2,421850E+22	2,247369E+22	2,108790E+22	2,108781E+22	2,247346E+22	2,421833E+22
854	2,527334E+22	2,535541E+22	2,502419E+22	2,502402E+22	2,535474E+22	2,527256E+22	2,421796E+22	2,247345E+22	2,108804E+22	2,108815E+22	2,247367E+22	2,421800E+22
855	2,527235E+22	2,535412E+22	2,502290E+22	2,502310E+22	2,535451E+22	2,527272E+22	2,421820E+22	2,247371E+22	2,108823E+22	2,108826E+22	2,247377E+22	2,421816E+22
856	2,527261E+22	2,535474E+22	2,502400E+22	2,502426E+22	2,535544E+22	2,527334E+22	2,421837E+22	2,247358E+22	2,108808E+22	2,108827E+22	2,247408E+22	2,421891E+22
857	2,527358E+22	2,535538E+22	2,502418E+22	2,502394E+22	2,535466E+22	2,527272E+22	2,421827E+22	2,247381E+22	2,108836E+22	2,108840E+22	2,247393E+22	2,421839E+22
858	2,527270E+22	2,535431E+22	2,502314E+22	2,502346E+22	2,535475E+22	2,527304E+22	2,421879E+22	2,247447E+22	2,108896E+22	2,108874E+22	2,247394E+22	2,421832E+22
859	2,527322E+22	2,535575E+22	2,502487E+22	2,502470E+22	2,535546E+22	2,527328E+22	2,421870E+22	2,247428E+22	2,108896E+22	2,108897E+22	2,247423E+22	2,421845E+22
860	2,527292E+22	2,535513E+22	2,502431E+22	2,502408E+22	2,535472E+22	2,527271E+22	2,421845E+22	2,247442E+22	2,108928E+22	2,108921E+22	2,247420E+22	2,421808E+22
861	2,527226E+22	2,535431E+22	2,502369E+22	2,502419E+22	2,535533E+22	2,527333E+22	2,421880E+22	2,247451E+22	2,108932E+22	2,108935E+22	2,247454E+22	2,421875E+22
862	2,527338E+22	2,535562E+22	2,502467E+22	2,502467E+22	2,535544E+22	2,527314E+22	2,421853E+22	2,247427E+22	2,108918E+22	2,108931E+22	2,247456E+22	2,421861E+22
863	2,527275E+22	2,535454E+22	2,502338E+22	2,502335E+22	2,535455E+22	2,527289E+22	2,421870E+22	2,247455E+22	2,108922E+22	2,108907E+22	2,247423E+22	2,421839E+22
864	2,527273E+22	2,535482E+22	2,502413E+22	2,502430E+22	2,535518E+22	2,527316E+22	2,421867E+22	2,247429E+22	2,108891E+22	2,108884E+22	2,247420E+22	2,421880E+22
865	2,527364E+22	2,535576E+22	2,502467E+22	2,502438E+22	2,535478E+22	2,527251E+22	2,421816E+22	2,247398E+22	2,108873E+22	2,108877E+22	2,247409E+22	2,421824E+22
866	2,527248E+22	2,535433E+22	2,502320E+22	2,502345E+22	2,535469E+22	2,527278E+22	2,421838E+22	2,247409E+22	2,108871E+22	2,108866E+22	2,247395E+22	2,421817E+22
867	2,527274E+22	2,535520E+22	2,502450E+22	2,502452E+22	2,535552E+22	2,527341E+22	2,421847E+22	2,247362E+22	2,108811E+22	2,108827E+22	2,247395E+22	2,421855E+22
868	2,527300E+22	2,535490E+22	2,502394E+22	2,502390E+22	2,535471E+22	2,527279E+22	2,421831E+22	2,247372E+22	2,108812E+22	2,108807E+22	2,247354E+22	2,421799E+22
869	2,527239E+22	2,535402E+22	2,502279E+22	2,502329E+22	2,535480E+22	2,527309E+22	2,421860E+22	2,247395E+22	2,108824E+22	2,108808E+22	2,247356E+22	2,421825E+22
870	2,527322E+22	2,535552E+22	2,502427E+22	2,502411E+22	2,535510E+22	2,527301E+22	2,421833E+22	2,247374E+22	2,108823E+22	2,108819E+22	2,247367E+22	2,421812E+22
871	2,527260E+22	2,535458E+22	2,502335E+22	2,502307E+22	2,535412E+22	2,527248E+22	2,421829E+22	2,247396E+22	2,108844E+22	2,108831E+22	2,247364E+22	2,421790E+22
872	2,527219E+22	2,535420E+22	2,502358E+22	2,502396E+22	2,535491E+22	2,527285E+22	2,421829E+22	2,247381E+22	2,108838E+22	2,108842E+22	2,247394E+22	2,421856E+22
873	2,527333E+22	2,535543E+22	2,502441E+22	2,502441E+22	2,535505E+22	2,527270E+22	2,421802E+22	2,247357E+22	2,108832E+22	2,108860E+22	2,247420E+22	2,421846E+22
874	2,527258E+22	2,535423E+22	2,502289E+22	2,502308E+22	2,535452E+22	2,527281E+22	2,421843E+22	2,247409E+22	2,108871E+22	2,108873E+22	2,247410E+22	2,421837E+22
875	2,527285E+22	2,535514E+22	2,502432E+22	2,502428E+22	2,535532E+22	2,527342E+22	2,421877E+22	2,247414E+22	2,108870E+22	2,108869E+22	2,247414E+22	2,421874E+22
876	2,527345E+22	2,535556E+22	2,502462E+22	2,502438E+22	2,535482E+22	2,527268E+22	2,421847E+22	2,247442E+22	2,108921E+22	2,108908E+22	2,247406E+22	2,421808E+22
877	2,527250E+22	2,535450E+22	2,502348E+22	2,502376E+22	2,535482E+22	2,527286E+22	2,421870E+22	2,247479E+22	2,108969E+22	2,108953E+22	2,247439E+22	2,421830E+22
878	2,527292E+22	2,535565E+22	2,502511E+22	2,502510E+22	2,535574E+22	2,527326E+22	2,421864E+22	2,247460E+22	2,108972E+22	2,108978E+22	2,247479E+22	2,421861E+22
879	2,527270E+22	2,535484E+22	2,502418E+22	2,502414E+22	2,535488E+22	2,527289E+22	2,421872E+22	2,247484E+22	2,108987E+22	2,108987E+22	2,247477E+22	2,421844E+22
880	2,527233E+22	2,535419E+22	2,502367E+22	2,502426E+22	2,535530E+22	2,527325E+22	2,421892E+22	2,247487E+22	2,108980E+22	2,108977E+22	2,247483E+22	2,421896E+22
881	2,527357E+22	2,535585E+22	2,502490E+22	2,502482E+22	2,535546E+22	2,527311E+22	2,421862E+22	2,247458E+22	2,108960E+22	2,108973E+22	2,247490E+22	2,421885E+22
882	2,527293E+22	2,535479E+22	2,502356E+22	2,502331E+22	2,535435E+22	2,527268E+22	2,421870E+22	2,247486E+22	2,108979E+22	2,108965E+22	2,247456E+22	2,421844E+22
883	2,527275E+22	2,535510E+22	2,502457E+22	2,502454E+22	2,535517E+22	2,527309E+22	2,421873E+22	2,247456E+22	2,108938E+22	2,108931E+22	2,247444E+22	2,421873E+22
884	2,527339E+22	2,535565E+22	2,502492E+22	2,502489E+22	2,535521E+22	2,527260E+22	2,421814E+22	2,247418E+22	2,108919E+22	2,108925E+22	2,247431E+22	2,421821E+22
885	2,527242E+22	2,535432E+22	2,502316E+22	2,502346E+22	2,535480E+22	2,527285E+22	2,421842E+22	2,247422E+22	2,108901E+22	2,108904E+22	2,247425E+22	2,421835E+22
886	2,527276E+22	2,535521E+22	2,502455E+22	2,502455E+22	2,535553E+22	2,527341E+22	2,421863E+22	2,247405E+22	2,108865E+22	2,108865E+22	2,247411E+22	2,421856E+22
887	2,527297E+22	2,535491E+22	2,502393E+22	2,502377E+22	2,535455E+22	2,527273E+22	2,421856E+22	2,247428E+22	2,108880E+22	2,108859E+22	2,247376E+22	2,421797E+22
888	2,527232E+22	2,535410E+22	2,502309E+22	2,502348E+22	2,535463E+22	2,527275E+22	2,421852E+22	2,247430E+22	2,108887E+22	2,108865E+22	2,247379E+22	2,421817E+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°
889	2,527306E+22	2,535559E+22	2,502466E+22	2,502455E+22	2,535529E+22	2,527287E+22	2,421819E+22	2,247391E+22	2,108870E+22	2,108883E+22	2,247423E+22	2,421836E+22
890	2,527252E+22	2,535449E+22	2,502341E+22	2,502323E+22	2,535428E+22	2,527249E+22	2,421826E+22	2,247416E+22	2,108897E+22	2,108900E+22	2,247422E+22	2,421822E+22
891	2,527228E+22	2,535430E+22	2,502378E+22	2,502407E+22	2,535502E+22	2,527305E+22	2,421857E+22	2,247414E+22	2,108881E+22	2,108885E+22	2,247425E+22	2,421873E+22
892	2,527337E+22	2,535546E+22	2,502459E+22	2,502471E+22	2,535530E+22	2,527284E+22	2,421831E+22	2,247411E+22	2,108897E+22	2,108909E+22	2,247433E+22	2,421844E+22
893	2,527276E+22	2,535459E+22	2,502313E+22	2,502313E+22	2,535447E+22	2,527273E+22	2,421854E+22	2,247453E+22	2,108940E+22	2,108933E+22	2,247436E+22	2,421835E+22
894	2,527281E+22	2,535538E+22	2,502479E+22	2,502460E+22	2,535532E+22	2,527324E+22	2,421881E+22	2,247470E+22	2,108960E+22	2,108947E+22	2,247447E+22	2,421861E+22
895	2,527313E+22	2,535545E+22	2,502483E+22	2,502469E+22	2,535500E+22	2,527267E+22	2,421859E+22	2,247493E+22	2,109006E+22	2,108996E+22	2,247464E+22	2,421820E+22
896	2,527226E+22	2,535427E+22	2,502364E+22	2,502412E+22	2,535505E+22	2,527284E+22	2,421864E+22	2,247501E+22	2,109026E+22	2,109022E+22	2,247493E+22	2,421858E+22
897	2,527291E+22	2,535550E+22	2,502512E+22	2,502528E+22	2,535598E+22	2,527345E+22	2,421879E+22	2,247481E+22	2,109006E+22	2,109031E+22	2,247539E+22	2,421911E+22
898	2,527298E+22	2,535490E+22	2,502407E+22	2,502394E+22	2,535473E+22	2,527287E+22	2,421892E+22	2,247527E+22	2,109042E+22	2,109038E+22	2,247515E+22	2,421875E+22
899	2,527268E+22	2,535462E+22	2,502399E+22	2,502418E+22	2,535501E+22	2,527310E+22	2,421905E+22	2,247528E+22	2,109032E+22	2,109015E+22	2,247490E+22	2,421887E+22
900	2,527354E+22	2,535606E+22	2,502535E+22	2,502520E+22	2,535552E+22	2,527293E+22	2,421860E+22	2,247494E+22	2,109022E+22	2,109024E+22	2,247497E+22	2,421861E+22
901	2,527286E+22	2,535503E+22	2,502394E+22	2,502363E+22	2,535446E+22	2,527251E+22	2,421848E+22	2,247492E+22	2,109020E+22	2,109016E+22	2,247485E+22	2,421840E+22
902	2,527253E+22	2,535504E+22	2,502483E+22	2,502490E+22	2,535546E+22	2,527312E+22	2,421868E+22	2,247475E+22	2,108984E+22	2,108976E+22	2,247470E+22	2,421873E+22
903	2,527317E+22	2,535538E+22	2,502481E+22	2,502496E+22	2,535545E+22	2,527290E+22	2,421849E+22	2,247460E+22	2,108966E+22	2,108967E+22	2,247459E+22	2,421834E+22
904	2,527237E+22	2,535419E+22	2,502319E+22	2,502353E+22	2,535479E+22	2,527284E+22	2,421858E+22	2,247462E+22	2,108950E+22	2,108940E+22	2,247439E+22	2,421837E+22
905	2,527278E+22	2,535524E+22	2,502467E+22	2,502463E+22	2,535554E+22	2,527340E+22	2,421878E+22	2,247443E+22	2,108918E+22	2,108919E+22	2,247448E+22	2,421868E+22
906	2,527296E+22	2,535497E+22	2,502405E+22	2,502370E+22	2,535432E+22	2,527251E+22	2,421860E+22	2,247471E+22	2,108954E+22	2,108936E+22	2,247425E+22	2,421810E+22
907	2,527229E+22	2,535422E+22	2,502342E+22	2,502364E+22	2,535458E+22	2,527259E+22	2,421846E+22	2,247457E+22	2,108946E+22	2,108931E+22	2,247424E+22	2,421828E+22
908	2,527293E+22	2,535548E+22	2,502485E+22	2,502494E+22	2,535563E+22	2,527293E+22	2,421816E+22	2,247411E+22	2,108924E+22	2,108945E+22	2,247461E+22	2,421855E+22
909	2,527272E+22	2,535465E+22	2,502349E+22	2,502325E+22	2,535433E+22	2,527251E+22	2,421825E+22	2,247428E+22	2,108932E+22	2,108946E+22	2,247460E+22	2,421850E+22
910	2,527251E+22	2,535454E+22	2,502405E+22	2,502424E+22	2,535505E+22	2,527300E+22	2,421868E+22	2,247460E+22	2,108942E+22	2,108926E+22	2,247439E+22	2,421873E+22
911	2,527341E+22	2,535563E+22	2,502483E+22	2,502484E+22	2,535535E+22	2,527287E+22	2,421855E+22	2,247470E+22	2,108973E+22	2,108968E+22	2,247454E+22	2,421834E+22
912	2,527259E+22	2,535465E+22	2,502362E+22	2,502356E+22	2,535452E+22	2,527255E+22	2,421854E+22	2,247495E+22	2,109013E+22	2,109001E+22	2,247465E+22	2,421824E+22
913	2,527255E+22	2,535528E+22	2,502512E+22	2,502513E+22	2,535571E+22	2,527334E+22	2,421886E+22	2,247498E+22	2,109019E+22	2,109025E+22	2,247511E+22	2,421880E+22
914	2,527295E+22	2,535524E+22	2,502479E+22	2,502474E+22	2,535512E+22	2,527282E+22	2,421877E+22	2,247532E+22	2,109073E+22	2,109076E+22	2,247529E+22	2,421856E+22
915	2,527234E+22	2,535428E+22	2,502369E+22	2,502405E+22	2,535503E+22	2,527302E+22	2,421895E+22	2,247545E+22	2,109081E+22	2,109074E+22	2,247530E+22	2,421881E+22
916	2,527306E+22	2,535556E+22	2,502521E+22	2,502538E+22	2,535603E+22	2,527347E+22	2,421897E+22	2,247531E+22	2,109072E+22	2,109080E+22	2,247552E+22	2,421915E+22
917	2,527329E+22	2,535530E+22	2,502428E+22	2,502386E+22	2,535446E+22	2,527259E+22	2,421883E+22	2,247553E+22	2,109099E+22	2,109093E+22	2,247540E+22	2,421877E+22
918	2,527274E+22	2,535493E+22	2,502451E+22	2,502452E+22	2,535494E+22	2,527274E+22	2,421890E+22	2,247562E+22	2,109098E+22	2,109071E+22	2,247514E+22	2,421875E+22
919	2,527331E+22	2,535600E+22	2,502562E+22	2,502557E+22	2,535575E+22	2,527289E+22	2,421855E+22	2,247520E+22	2,109078E+22	2,109085E+22	2,247536E+22	2,421864E+22
920	2,527259E+22	2,535481E+22	2,502417E+22	2,502403E+22	2,535473E+22	2,527257E+22	2,421842E+22	2,247499E+22	2,109051E+22	2,109057E+22	2,247515E+22	2,421852E+22
921	2,527247E+22	2,535487E+22	2,502483E+22	2,502509E+22	2,535574E+22	2,527342E+22	2,421891E+22	2,247492E+22	2,109005E+22	2,109011E+22	2,247504E+22	2,421891E+22
922	2,527323E+22	2,535534E+22	2,502468E+22	2,502474E+22	2,535530E+22	2,527296E+22	2,421878E+22	2,247510E+22	2,109024E+22	2,109014E+22	2,247482E+22	2,421842E+22
923	2,527250E+22	2,535442E+22	2,502341E+22	2,502342E+22	2,535455E+22	2,527276E+22	2,421873E+22	2,247508E+22	2,109014E+22	2,108989E+22	2,247452E+22	2,421825E+22
924	2,527266E+22	2,535526E+22	2,502494E+22	2,502491E+22	2,535559E+22	2,527324E+22	2,421874E+22	2,247481E+22	2,108990E+22	2,108986E+22	2,247470E+22	2,421859E+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	2,527294E+22	2,535507E+22	2,502425E+22	2,502389E+22	2,535435E+22	2,527231E+22	2,421836E+22	2,247479E+22	2,109003E+22	2,109005E+22	2,247479E+22	2,421833E+22
926	2,527227E+22	2,535423E+22	2,502367E+22	2,502397E+22	2,535475E+22	2,527253E+22	2,421839E+22	2,247478E+22	2,108994E+22	2,108984E+22	2,247465E+22	2,421848E+22
927	2,527293E+22	2,535538E+22	2,502487E+22	2,502505E+22	2,535579E+22	2,527314E+22	2,421845E+22	2,247453E+22	2,108976E+22	2,108994E+22	2,247495E+22	2,421875E+22
928	2,527281E+22	2,535475E+22	2,502379E+22	2,502350E+22	2,535438E+22	2,527252E+22	2,421838E+22	2,247465E+22	2,108985E+22	2,108988E+22	2,247474E+22	2,421850E+22
929	2,527259E+22	2,535474E+22	2,502438E+22	2,502448E+22	2,535518E+22	2,527311E+22	2,421888E+22	2,247500E+22	2,109001E+22	2,108989E+22	2,247473E+22	2,421868E+22
930	2,527331E+22	2,535571E+22	2,502509E+22	2,502501E+22	2,535532E+22	2,527283E+22	2,421873E+22	2,247528E+22	2,109061E+22	2,109053E+22	2,247503E+22	2,421841E+22
931	2,527247E+22	2,535468E+22	2,502392E+22	2,502383E+22	2,535463E+22	2,527256E+22	2,421858E+22	2,247534E+22	2,109087E+22	2,109077E+22	2,247513E+22	2,421835E+22
932	2,527236E+22	2,535501E+22	2,502512E+22	2,502539E+22	2,535600E+22	2,527352E+22	2,421900E+22	2,247535E+22	2,109086E+22	2,109096E+22	2,247554E+22	2,421903E+22
933	2,527317E+22	2,535532E+22	2,502475E+22	2,502462E+22	2,535501E+22	2,527278E+22	2,421884E+22	2,247557E+22	2,109122E+22	2,109134E+22	2,247576E+22	2,421889E+22
934	2,527263E+22	2,535457E+22	2,502394E+22	2,502409E+22	2,535481E+22	2,527272E+22	2,421896E+22	2,247591E+22	2,109145E+22	2,109121E+22	2,247548E+22	2,421883E+22
935	2,527314E+22	2,535580E+22	2,502551E+22	2,502549E+22	2,535591E+22	2,527331E+22	2,421903E+22	2,247575E+22	2,109141E+22	2,109140E+22	2,247574E+22	2,421905E+22
936	2,527315E+22	2,535546E+22	2,502487E+22	2,502440E+22	2,535452E+22	2,527232E+22	2,421860E+22	2,247566E+22	2,109147E+22	2,109144E+22	2,247562E+22	2,421864E+22
937	2,527253E+22	2,535490E+22	2,502485E+22	2,502510E+22	2,535540E+22	2,527290E+22	2,421884E+22	2,247563E+22	2,109128E+22	2,109125E+22	2,247559E+22	2,421881E+22
938	2,527310E+22	2,535578E+22	2,502558E+22	2,502569E+22	2,535598E+22	2,527319E+22	2,421881E+22	2,247551E+22	2,109122E+22	2,109136E+22	2,247576E+22	2,421884E+22
939	2,527259E+22	2,535473E+22	2,502415E+22	2,502403E+22	2,535481E+22	2,527285E+22	2,421878E+22	2,247543E+22	2,109097E+22	2,109093E+22	2,247533E+22	2,421857E+22
940	2,527246E+22	2,535478E+22	2,502475E+22	2,502512E+22	2,535581E+22	2,527357E+22	2,421923E+22	2,247549E+22	2,109073E+22	2,109059E+22	2,247513E+22	2,421886E+22
941	2,527338E+22	2,535556E+22	2,502475E+22	2,502458E+22	2,535497E+22	2,527272E+22	2,421878E+22	2,247544E+22	2,109088E+22	2,109081E+22	2,247520E+22	2,421848E+22
942	2,527251E+22	2,535461E+22	2,502378E+22	2,502366E+22	2,535435E+22	2,527232E+22	2,421857E+22	2,247545E+22	2,109083E+22	2,109056E+22	2,247492E+22	2,421829E+22
943	2,527252E+22	2,535520E+22	2,502507E+22	2,502516E+22	2,535570E+22	2,527315E+22	2,421863E+22	2,247502E+22	2,109048E+22	2,109056E+22	2,247525E+22	2,421882E+22
944	2,527288E+22	2,535498E+22	2,502445E+22	2,502421E+22	2,535450E+22	2,527229E+22	2,421823E+22	2,247477E+22	2,109030E+22	2,109047E+22	2,247518E+22	2,421861E+22
945	2,527247E+22	2,535432E+22	2,502383E+22	2,502421E+22	2,535499E+22	2,527276E+22	2,421856E+22	2,247490E+22	2,109015E+22	2,109019E+22	2,247499E+22	2,421867E+22
946	2,527312E+22	2,535559E+22	2,502500E+22	2,502501E+22	2,535565E+22	2,527317E+22	2,421872E+22	2,247504E+22	2,109037E+22	2,109040E+22	2,247512E+22	2,421874E+22
947	2,527288E+22	2,535505E+22	2,502419E+22	2,502369E+22	2,535434E+22	2,527252E+22	2,421856E+22	2,247516E+22	2,109058E+22	2,109044E+22	2,247485E+22	2,421825E+22
948	2,527235E+22	2,535474E+22	2,502471E+22	2,502496E+22	2,535544E+22	2,527314E+22	2,421899E+22	2,247549E+22	2,109085E+22	2,109064E+22	2,247496E+22	2,421850E+22
949	2,527312E+22	2,535565E+22	2,502520E+22	2,502520E+22	2,535541E+22	2,527279E+22	2,421868E+22	2,247553E+22	2,109129E+22	2,109137E+22	2,247564E+22	2,421861E+22
950	2,527239E+22	2,535459E+22	2,502406E+22	2,502408E+22	2,535470E+22	2,527252E+22	2,421871E+22	2,247580E+22	2,109154E+22	2,109144E+22	2,247563E+22	2,421859E+22
951	2,527240E+22	2,535492E+22	2,502504E+22	2,502539E+22	2,535599E+22	2,527358E+22	2,421925E+22	2,247587E+22	2,109155E+22	2,109161E+22	2,247599E+22	2,421926E+22
952	2,527327E+22	2,535547E+22	2,502502E+22	2,502478E+22	2,535489E+22	2,527260E+22	2,421882E+22	2,247589E+22	2,109178E+22	2,109186E+22	2,247604E+22	2,421899E+22
953	2,527279E+22	2,535489E+22	2,502435E+22	2,502440E+22	2,535487E+22	2,527267E+22	2,421895E+22	2,247608E+22	2,109192E+22	2,109183E+22	2,247589E+22	2,421883E+22
954	2,527306E+22	2,535594E+22	2,502583E+22	2,502574E+22	2,535589E+22	2,527319E+22	2,421905E+22	2,247610E+22	2,109206E+22	2,109209E+22	2,247618E+22	2,421912E+22
955	2,527303E+22	2,535547E+22	2,502515E+22	2,502481E+22	2,535485E+22	2,527248E+22	2,421861E+22	2,247586E+22	2,109193E+22	2,109196E+22	2,247594E+22	2,421869E+22
956	2,527237E+22	2,535468E+22	2,502482E+22	2,502538E+22	2,535581E+22	2,527326E+22	2,421911E+22	2,247594E+22	2,109172E+22	2,109167E+22	2,247577E+22	2,421890E+22
957	2,527322E+22	2,535580E+22	2,502544E+22	2,502553E+22	2,535588E+22	2,527327E+22	2,421905E+22	2,247585E+22	2,109165E+22	2,109177E+22	2,247605E+22	2,421902E+22
958	2,527276E+22	2,535493E+22	2,502431E+22	2,502403E+22	2,535453E+22	2,527259E+22	2,421894E+22	2,247601E+22	2,109161E+22	2,109136E+22	2,247546E+22	2,421850E+22
959	2,527242E+22	2,535485E+22	2,502485E+22	2,502512E+22	2,535559E+22	2,527337E+22	2,421931E+22	2,247596E+22	2,109147E+22	2,109127E+22	2,247545E+22	2,421878E+22
960	2,527316E+22	2,535561E+22	2,502516E+22	2,502495E+22	2,535491E+22	2,527239E+22	2,421852E+22	2,247553E+22	2,109135E+22	2,109141E+22	2,247561E+22	2,421854E+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	2,527241E+22	2,535463E+22	2,502401E+22	2,502405E+22	2,535465E+22	2,527237E+22	2,421842E+22	2,247533E+22	2,109108E+22	2,109114E+22	2,247547E+22	2,421849E+22
962	2,527249E+22	2,535515E+22	2,502510E+22	2,502525E+22	2,535577E+22	2,527329E+22	2,421881E+22	2,247528E+22	2,109089E+22	2,109104E+22	2,247566E+22	2,421910E+22
963	2,527306E+22	2,535513E+22	2,502459E+22	2,502438E+22	2,535465E+22	2,527246E+22	2,421844E+22	2,247512E+22	2,109070E+22	2,109077E+22	2,247527E+22	2,421861E+22
964	2,527252E+22	2,535443E+22	2,502395E+22	2,502441E+22	2,535514E+22	2,527292E+22	2,421887E+22	2,247545E+22	2,109082E+22	2,109063E+22	2,247498E+22	2,421850E+22
965	2,527314E+22	2,535582E+22	2,502524E+22	2,502508E+22	2,535550E+22	2,527306E+22	2,421885E+22	2,247549E+22	2,109109E+22	2,109112E+22	2,247549E+22	2,421868E+22
966	2,527272E+22	2,535515E+22	2,502460E+22	2,502411E+22	2,535430E+22	2,527221E+22	2,421858E+22	2,247572E+22	2,109142E+22	2,109124E+22	2,247531E+22	2,421823E+22
967	2,527205E+22	2,535451E+22	2,502469E+22	2,502520E+22	2,535564E+22	2,527320E+22	2,421907E+22	2,247589E+22	2,109164E+22	2,109155E+22	2,247564E+22	2,421873E+22
968	2,527294E+22	2,535548E+22	2,502530E+22	2,502540E+22	2,535550E+22	2,527279E+22	2,421867E+22	2,247568E+22	2,109174E+22	2,109199E+22	2,247620E+22	2,421897E+22
969	2,527261E+22	2,535471E+22	2,502414E+22	2,502419E+22	2,535477E+22	2,527259E+22	2,421881E+22	2,247597E+22	2,109193E+22	2,109199E+22	2,247609E+22	2,421885E+22
970	2,527264E+22	2,535521E+22	2,502520E+22	2,502534E+22	2,535574E+22	2,527342E+22	2,421940E+22	2,247636E+22	2,109224E+22	2,109219E+22	2,247629E+22	2,421937E+22
971	2,527343E+22	2,535584E+22	2,502546E+22	2,502509E+22	2,535492E+22	2,527248E+22	2,421880E+22	2,247622E+22	2,109238E+22	2,109239E+22	2,247621E+22	2,421884E+22
972	2,527263E+22	2,535498E+22	2,502475E+22	2,502497E+22	2,535524E+22	2,527276E+22	2,421902E+22	2,247640E+22	2,109252E+22	2,109239E+22	2,247609E+22	2,421874E+22
973	2,527293E+22	2,535593E+22	2,502598E+22	2,502599E+22	2,535607E+22	2,527329E+22	2,421912E+22	2,247628E+22	2,109252E+22	2,109268E+22	2,247664E+22	2,421928E+22
974	2,527294E+22	2,535540E+22	2,502527E+22	2,502506E+22	2,535497E+22	2,527256E+22	2,421892E+22	2,247636E+22	2,109245E+22	2,109240E+22	2,247621E+22	2,421877E+22
975	2,527232E+22	2,535456E+22	2,502464E+22	2,502532E+22	2,535584E+22	2,527342E+22	2,421948E+22	2,247653E+22	2,109240E+22	2,109222E+22	2,247606E+22	2,421893E+22
976	2,527312E+22	2,535585E+22	2,502558E+22	2,502553E+22	2,535569E+22	2,527308E+22	2,421908E+22	2,247619E+22	2,109222E+22	2,109228E+22	2,247630E+22	2,421905E+22
977	2,527280E+22	2,535514E+22	2,502459E+22	2,502422E+22	2,535446E+22	2,527240E+22	2,421888E+22	2,247617E+22	2,109212E+22	2,109204E+22	2,247593E+22	2,421856E+22
978	2,527232E+22	2,535493E+22	2,502506E+22	2,502524E+22	2,535541E+22	2,527303E+22	2,421918E+22	2,247623E+22	2,109206E+22	2,109196E+22	2,247598E+22	2,421900E+22
979	2,527311E+22	2,535561E+22	2,502530E+22	2,502524E+22	2,535516E+22	2,527240E+22	2,421837E+22	2,247556E+22	2,109168E+22	2,109187E+22	2,247598E+22	2,421873E+22
980	2,527241E+22	2,535460E+22	2,502406E+22	2,502432E+22	2,535500E+22	2,527266E+22	2,421860E+22	2,247550E+22	2,109135E+22	2,109140E+22	2,247561E+22	2,421864E+22
981	2,527272E+22	2,535533E+22	2,502513E+22	2,502517E+22	2,535565E+22	2,527327E+22	2,421897E+22	2,247557E+22	2,109125E+22	2,109136E+22	2,247584E+22	2,421918E+22
982	2,527320E+22	2,535544E+22	2,502494E+22	2,502461E+22	2,535453E+22	2,527227E+22	2,421865E+22	2,247572E+22	2,109136E+22	2,109118E+22	2,247531E+22	2,421839E+22
983	2,527234E+22	2,535451E+22	2,502418E+22	2,502465E+22	2,535518E+22	2,527286E+22	2,421903E+22	2,247601E+22	2,109167E+22	2,109140E+22	2,247531E+22	2,421828E+22
984	2,527267E+22	2,535571E+22	2,502560E+22	2,502553E+22	2,535564E+22	2,527291E+22	2,421875E+22	2,247574E+22	2,109173E+22	2,109186E+22	2,247599E+22	2,421875E+22
985	2,527252E+22	2,535502E+22	2,502472E+22	2,502448E+22	2,535465E+22	2,527238E+22	2,421862E+22	2,247583E+22	2,109192E+22	2,109205E+22	2,247601E+22	2,421852E+22
986	2,527200E+22	2,535438E+22	2,502459E+22	2,502512E+22	2,535558E+22	2,527328E+22	2,421936E+22	2,247637E+22	2,109229E+22	2,109225E+22	2,247624E+22	2,421916E+22
987	2,527317E+22	2,535562E+22	2,502532E+22	2,502544E+22	2,535555E+22	2,527284E+22	2,421885E+22	2,247612E+22	2,109233E+22	2,109250E+22	2,247648E+22	2,421915E+22
988	2,527281E+22	2,535500E+22	2,502439E+22	2,502436E+22	2,535485E+22	2,527264E+22	2,421902E+22	2,247645E+22	2,109260E+22	2,109249E+22	2,247623E+22	2,421886E+22
989	2,527282E+22	2,535558E+22	2,502560E+22	2,502550E+22	2,535556E+22	2,527315E+22	2,421938E+22	2,247672E+22	2,109290E+22	2,109288E+22	2,247669E+22	2,421942E+22
990	2,527338E+22	2,535605E+22	2,502598E+22	2,502565E+22	2,535503E+22	2,527223E+22	2,421880E+22	2,247665E+22	2,109305E+22	2,109301E+22	2,247656E+22	2,421882E+22
991	2,527238E+22	2,535482E+22	2,502481E+22	2,502528E+22	2,535559E+22	2,527296E+22	2,421918E+22	2,247676E+22	2,109315E+22	2,109308E+22	2,247657E+22	2,421884E+22
992	2,527267E+22	2,535576E+22	2,502610E+22	2,502617E+22	2,535620E+22	2,527340E+22	2,421927E+22	2,247651E+22	2,109288E+22	2,109310E+22	2,247697E+22	2,421947E+22
993	2,527306E+22	2,535549E+22	2,502532E+22	2,502509E+22	2,535499E+22	2,527261E+22	2,421909E+22	2,247662E+22	2,109288E+22	2,109289E+22	2,247651E+22	2,421883E+22
994	2,527236E+22	2,535471E+22	2,502470E+22	2,502512E+22	2,535551E+22	2,527320E+22	2,421963E+22	2,247707E+22	2,109311E+22	2,109281E+22	2,247635E+22	2,421898E+22
995	2,527312E+22	2,535601E+22	2,502582E+22	2,502573E+22	2,535569E+22	2,527284E+22	2,421891E+22	2,247641E+22	2,109276E+22	2,109280E+22	2,247653E+22	2,421897E+22
996	2,527262E+22	2,535513E+22	2,502482E+22	2,502460E+22	2,535473E+22	2,527238E+22	2,421878E+22	2,247631E+22	2,109255E+22	2,109249E+22	2,247619E+22	2,421865E+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°
997	2,527230E+22	2,535491E+22	2,502516E+22	2,502537E+22	2,535549E+22	2,527299E+22	2,421912E+22	2,247628E+22	2,109237E+22	2,109243E+22	2,247644E+22	2,421930E+22
998	2,527319E+22	2,535566E+22	2,502549E+22	2,502547E+22	2,535521E+22	2,527238E+22	2,421859E+22	2,247594E+22	2,109203E+22	2,109214E+22	2,247615E+22	2,421882E+22
999	2,527245E+22	2,535462E+22	2,502406E+22	2,502437E+22	2,535511E+22	2,527282E+22	2,421892E+22	2,247603E+22	2,109195E+22	2,109186E+22	2,247578E+22	2,421856E+22
1000	2,527255E+22	2,535546E+22	2,502544E+22	2,502531E+22	2,535559E+22	2,527318E+22	2,421906E+22	2,247593E+22	2,109181E+22	2,109184E+22	2,247601E+22	2,421908E+22
1001	2,527310E+22	2,535560E+22	2,502530E+22	2,502491E+22	2,535464E+22	2,527221E+22	2,421868E+22	2,247600E+22	2,109201E+22	2,109196E+22	2,247576E+22	2,421834E+22
1002	2,527208E+22	2,535444E+22	2,502431E+22	2,502479E+22	2,535518E+22	2,527273E+22	2,421909E+22	2,247648E+22	2,109249E+22	2,109227E+22	2,247596E+22	2,421855E+22
1003	2,527256E+22	2,535552E+22	2,502555E+22	2,502574E+22	2,535595E+22	2,527302E+22	2,421875E+22	2,247597E+22	2,109228E+22	2,109252E+22	2,247651E+22	2,421907E+22
1004	2,527259E+22	2,535498E+22	2,502471E+22	2,502459E+22	2,535486E+22	2,527259E+22	2,421889E+22	2,247622E+22	2,109241E+22	2,109249E+22	2,247635E+22	2,421887E+22
1005	2,527237E+22	2,535467E+22	2,502472E+22	2,502499E+22	2,535528E+22	2,527304E+22	2,421945E+22	2,247678E+22	2,109286E+22	2,109278E+22	2,247660E+22	2,421940E+22
1006	2,527344E+22	2,535607E+22	2,502583E+22	2,502567E+22	2,535533E+22	2,527251E+22	2,421896E+22	2,247669E+22	2,109305E+22	2,109303E+22	2,247663E+22	2,421903E+22
1007	2,527274E+22	2,535524E+22	2,502485E+22	2,502476E+22	2,535498E+22	2,527256E+22	2,421906E+22	2,247690E+22	2,109339E+22	2,109325E+22	2,247656E+22	2,421867E+22
1008	2,527243E+22	2,535559E+22	2,502608E+22	2,502602E+22	2,535582E+22	2,527307E+22	2,421925E+22	2,247687E+22	2,109341E+22	2,109349E+22	2,247708E+22	2,421946E+22
1009	2,527321E+22	2,535598E+22	2,502619E+22	2,502609E+22	2,535553E+22	2,527252E+22	2,421890E+22	2,247679E+22	2,109350E+22	2,109366E+22	2,247704E+22	2,421897E+22
1010	2,527227E+22	2,535468E+22	2,502475E+22	2,502524E+22	2,535562E+22	2,527309E+22	2,421952E+22	2,247730E+22	2,109378E+22	2,109366E+22	2,247698E+22	2,421908E+22
1011	2,527270E+22	2,535567E+22	2,502599E+22	2,502616E+22	2,535629E+22	2,527347E+22	2,421945E+22	2,247697E+22	2,109346E+22	2,109355E+22	2,247716E+22	2,421950E+22
1012	2,527308E+22	2,535560E+22	2,502545E+22	2,502515E+22	2,535501E+22	2,527264E+22	2,421928E+22	2,247708E+22	2,109351E+22	2,109337E+22	2,247670E+22	2,421888E+22
1013	2,527242E+22	2,535488E+22	2,502493E+22	2,502510E+22	2,535517E+22	2,527278E+22	2,421948E+22	2,247732E+22	2,109371E+22	2,109349E+22	2,247683E+22	2,421915E+22
1014	2,527311E+22	2,535609E+22	2,502616E+22	2,502606E+22	2,535568E+22	2,527254E+22	2,421880E+22	2,247667E+22	2,109325E+22	2,109334E+22	2,247690E+22	2,421910E+22
1015	2,527254E+22	2,535503E+22	2,502487E+22	2,502480E+22	2,535501E+22	2,527253E+22	2,421881E+22	2,247645E+22	2,109294E+22	2,109299E+22	2,247657E+22	2,421880E+22
1016	2,527222E+22	2,535492E+22	2,502532E+22	2,502549E+22	2,535556E+22	2,527301E+22	2,421915E+22	2,247637E+22	2,109254E+22	2,109263E+22	2,247660E+22	2,421946E+22
1017	2,527340E+22	2,535589E+22	2,502569E+22	2,502562E+22	2,535534E+22	2,527245E+22	2,421871E+22	2,247618E+22	2,109242E+22	2,109250E+22	2,247624E+22	2,421873E+22
1018	2,527243E+22	2,535479E+22	2,502430E+22	2,502436E+22	2,535493E+22	2,527269E+22	2,421913E+22	2,247662E+22	2,109271E+22	2,109246E+22	2,247601E+22	2,421847E+22
1019	2,527236E+22	2,535542E+22	2,502567E+22	2,502565E+22	2,535580E+22	2,527311E+22	2,421906E+22	2,247630E+22	2,109249E+22	2,109248E+22	2,247627E+22	2,421894E+22
1020	2,527280E+22	2,535548E+22	2,502548E+22	2,502527E+22	2,535501E+22	2,527239E+22	2,421880E+22	2,247636E+22	2,109264E+22	2,109259E+22	2,247618E+22	2,421853E+22
1021	2,527203E+22	2,535432E+22	2,502433E+22	2,502477E+22	2,535515E+22	2,527271E+22	2,421917E+22	2,247679E+22	2,109308E+22	2,109299E+22	2,247658E+22	2,421899E+22
1022	2,527277E+22	2,535559E+22	2,502568E+22	2,502582E+22	2,535586E+22	2,527294E+22	2,421901E+22	2,247652E+22	2,109289E+22	2,109304E+22	2,247685E+22	2,421930E+22
1023	2,527278E+22	2,535512E+22	2,502480E+22	2,502463E+22	2,535487E+22	2,527260E+22	2,421909E+22	2,247677E+22	2,109319E+22	2,109316E+22	2,247668E+22	2,421890E+22
1024	2,527237E+22	2,535500E+22	2,502525E+22	2,502522E+22	2,535518E+22	2,527279E+22	2,421937E+22	2,247707E+22	2,109346E+22	2,109338E+22	2,247691E+22	2,421943E+22
1025	2,527348E+22	2,535636E+22	2,502640E+22	2,502617E+22	2,535551E+22	2,527237E+22	2,421882E+22	2,247688E+22	2,109368E+22	2,109381E+22	2,247706E+22	2,421898E+22
1026	2,527249E+22	2,535520E+22	2,502513E+22	2,502509E+22	2,535518E+22	2,527256E+22	2,421912E+22	2,247729E+22	2,109411E+22	2,109404E+22	2,247712E+22	2,421887E+22
1027	2,527228E+22	2,535534E+22	2,502606E+22	2,502635E+22	2,535632E+22	2,527335E+22	2,421935E+22	2,247708E+22	2,109386E+22	2,109400E+22	2,247741E+22	2,421959E+22
1028	2,527319E+22	2,535588E+22	2,502614E+22	2,502615E+22	2,535576E+22	2,527286E+22	2,421929E+22	2,247724E+22	2,109396E+22	2,109398E+22	2,247723E+22	2,421917E+22
1029	2,527247E+22	2,535480E+22	2,502477E+22	2,502500E+22	2,535528E+22	2,527291E+22	2,421969E+22	2,247780E+22	2,109442E+22	2,109419E+22	2,247728E+22	2,421924E+22
1030	2,527287E+22	2,535590E+22	2,502630E+22	2,502622E+22	2,535597E+22	2,527313E+22	2,421954E+22	2,247748E+22	2,109414E+22	2,109408E+22	2,247732E+22	2,421940E+22
1031	2,527297E+22	2,535564E+22	2,502571E+22	2,502539E+22	2,535504E+22	2,527247E+22	2,421921E+22	2,247739E+22	2,109418E+22	2,109408E+22	2,247709E+22	2,421880E+22
1032	2,527214E+22	2,535488E+22	2,502530E+22	2,502544E+22	2,535528E+22	2,527259E+22	2,421919E+22	2,247727E+22	2,109400E+22	2,109397E+22	2,247723E+22	2,421934E+22



Years	Longitude $\odot$											
	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
1033	2,527312E+22	2,535610E+22	2,502634E+22	2,502634E+22	2,535597E+22	2,527269E+22	2,421877E+22	2,247666E+22	2,109352E+22	2,109380E+22	2,247723E+22	2,421924E+22
1034	2,527257E+22	2,535502E+22	2,502492E+22	2,502479E+22	2,535503E+22	2,527264E+22	2,421909E+22	2,247689E+22	2,109342E+22	2,109338E+22	2,247679E+22	2,421894E+22
1035	2,527233E+22	2,535493E+22	2,502534E+22	2,502561E+22	2,535576E+22	2,527312E+22	2,421930E+22	2,247676E+22	2,109304E+22	2,109295E+22	2,247659E+22	2,421930E+22
1036	2,527335E+22	2,535604E+22	2,502596E+22	2,502581E+22	2,535547E+22	2,527259E+22	2,421898E+22	2,247669E+22	2,109305E+22	2,109294E+22	2,247638E+22	2,421868E+22
1037	2,527233E+22	2,535484E+22	2,502458E+22	2,502447E+22	2,535474E+22	2,527240E+22	2,421910E+22	2,247704E+22	2,109347E+22	2,109326E+22	2,247655E+22	2,421862E+22
1038	2,527223E+22	2,535529E+22	2,502585E+22	2,502592E+22	2,535584E+22	2,527300E+22	2,421911E+22	2,247670E+22	2,109317E+22	2,109322E+22	2,247678E+22	2,421913E+22
1039	2,527271E+22	2,535529E+22	2,502544E+22	2,502538E+22	2,535521E+22	2,527258E+22	2,421895E+22	2,247669E+22	2,109327E+22	2,109334E+22	2,247676E+22	2,421878E+22
1040	2,527208E+22	2,535443E+22	2,502449E+22	2,502476E+22	2,535501E+22	2,527256E+22	2,421914E+22	2,247699E+22	2,109347E+22	2,109344E+22	2,247694E+22	2,421928E+22
1041	2,527311E+22	2,535596E+22	2,502601E+22	2,502596E+22	2,535583E+22	2,527281E+22	2,421897E+22	2,247679E+22	2,109349E+22	2,109363E+22	2,247708E+22	2,421930E+22
1042	2,527287E+22	2,535544E+22	2,502527E+22	2,502485E+22	2,535476E+22	2,527238E+22	2,421910E+22	2,247722E+22	2,109394E+22	2,109384E+22	2,247697E+22	2,421886E+22
1043	2,527224E+22	2,535502E+22	2,502559E+22	2,502578E+22	2,535557E+22	2,527276E+22	2,421926E+22	2,247729E+22	2,109404E+22	2,109397E+22	2,247716E+22	2,421930E+22
1044	2,527321E+22	2,535629E+22	2,502667E+22	2,502667E+22	2,535608E+22	2,527276E+22	2,421904E+22	2,247719E+22	2,109418E+22	2,109430E+22	2,247742E+22	2,421915E+22
1045	2,527240E+22	2,535504E+22	2,502518E+22	2,502515E+22	2,535522E+22	2,527269E+22	2,421938E+22	2,247771E+22	2,109470E+22	2,109468E+22	2,247762E+22	2,421918E+22
1046	2,527237E+22	2,535527E+22	2,502606E+22	2,502637E+22	2,535624E+22	2,527343E+22	2,421979E+22	2,247774E+22	2,109454E+22	2,109452E+22	2,247764E+22	2,421964E+22
1047	2,527324E+22	2,535593E+22	2,502614E+22	2,502609E+22	2,535571E+22	2,527291E+22	2,421956E+22	2,247785E+22	2,109480E+22	2,109470E+22	2,247754E+22	2,421909E+22
1048	2,527239E+22	2,535503E+22	2,502513E+22	2,502504E+22	2,535497E+22	2,527255E+22	2,421954E+22	2,247806E+22	2,109501E+22	2,109481E+22	2,247763E+22	2,421931E+22
1049	2,527291E+22	2,535611E+22	2,502669E+22	2,502655E+22	2,535598E+22	2,527284E+22	2,421925E+22	2,247758E+22	2,109472E+22	2,109481E+22	2,247777E+22	2,421947E+22
1050	2,527285E+22	2,535560E+22	2,502590E+22	2,502563E+22	2,535513E+22	2,527237E+22	2,421910E+22	2,247756E+22	2,109468E+22	2,109471E+22	2,247761E+22	2,421909E+22
1051	2,527216E+22	2,535472E+22	2,502528E+22	2,502573E+22	2,535567E+22	2,527278E+22	2,421918E+22	2,247728E+22	2,109418E+22	2,109424E+22	2,247743E+22	2,421946E+22
1052	2,527324E+22	2,535620E+22	2,502643E+22	2,502645E+22	2,535618E+22	2,527301E+22	2,421910E+22	2,247698E+22	2,109378E+22	2,109390E+22	2,247727E+22	2,421933E+22
1053	2,527271E+22	2,535522E+22	2,502511E+22	2,502473E+22	2,535477E+22	2,527251E+22	2,421926E+22	2,247736E+22	2,109402E+22	2,109383E+22	2,247695E+22	2,421891E+22
1054	2,527235E+22	2,535509E+22	2,502567E+22	2,502581E+22	2,535561E+22	2,527298E+22	2,421949E+22	2,247729E+22	2,109375E+22	2,109352E+22	2,247670E+22	2,421901E+22
1055	2,527304E+22	2,535592E+22	2,502614E+22	2,502611E+22	2,535564E+22	2,527262E+22	2,421905E+22	2,247711E+22	2,109385E+22	2,109376E+22	2,247682E+22	2,421856E+22
1056	2,527199E+22	2,535473E+22	2,502478E+22	2,502472E+22	2,535483E+22	2,527232E+22	2,421897E+22	2,247715E+22	2,109394E+22	2,109392E+22	2,247712E+22	2,421894E+22
1057	2,527231E+22	2,535526E+22	2,502591E+22	2,502606E+22	2,535595E+22	2,527304E+22	2,421910E+22	2,247687E+22	2,109367E+22	2,109386E+22	2,247726E+22	2,421939E+22
1058	2,527284E+22	2,535530E+22	2,502543E+22	2,502532E+22	2,535510E+22	2,527255E+22	2,421914E+22	2,247716E+22	2,109392E+22	2,109396E+22	2,247718E+22	2,421906E+22
1059	2,527231E+22	2,535457E+22	2,502463E+22	2,502497E+22	2,535515E+22	2,527253E+22	2,421914E+22	2,247726E+22	2,109400E+22	2,109391E+22	2,247709E+22	2,421924E+22
1060	2,527319E+22	2,535628E+22	2,502645E+22	2,502626E+22	2,535593E+22	2,527287E+22	2,421912E+22	2,247719E+22	2,109407E+22	2,109411E+22	2,247732E+22	2,421932E+22
1061	2,527281E+22	2,535556E+22	2,502569E+22	2,502519E+22	2,535475E+22	2,527219E+22	2,421908E+22	2,247761E+22	2,109468E+22	2,109461E+22	2,247748E+22	2,421900E+22
1062	2,527217E+22	2,535496E+22	2,502582E+22	2,502616E+22	2,535580E+22	2,527289E+22	2,421945E+22	2,247768E+22	2,109467E+22	2,109462E+22	2,247753E+22	2,421934E+22
1063	2,527306E+22	2,535609E+22	2,502664E+22	2,502682E+22	2,535635E+22	2,527312E+22	2,421941E+22	2,247767E+22	2,109485E+22	2,109498E+22	2,247784E+22	2,421922E+22
1064	2,527238E+22	2,535512E+22	2,502530E+22	2,502513E+22	2,535505E+22	2,527261E+22	2,421952E+22	2,247809E+22	2,109523E+22	2,109516E+22	2,247794E+22	2,421937E+22
1065	2,527259E+22	2,535553E+22	2,502626E+22	2,502641E+22	2,535606E+22	2,527323E+22	2,421977E+22	2,247814E+22	2,109529E+22	2,109520E+22	2,247790E+22	2,421957E+22
1066	2,527319E+22	2,535609E+22	2,502644E+22	2,502621E+22	2,535550E+22	2,527262E+22	2,421953E+22	2,247828E+22	2,109559E+22	2,109549E+22	2,247798E+22	2,421914E+22
1067	2,527229E+22	2,535500E+22	2,502536E+22	2,502552E+22	2,535526E+22	2,527240E+22	2,421926E+22	2,247809E+22	2,109544E+22	2,109537E+22	2,247797E+22	2,421932E+22
1068	2,527280E+22	2,535612E+22	2,502691E+22	2,502693E+22	2,535636E+22	2,527310E+22	2,421933E+22	2,247770E+22	2,109498E+22	2,109514E+22	2,247813E+22	2,421974E+22

1 Years	2 Longitude $\odot$ 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°
1069	2,527290E+22	2,535557E+22	2,502599E+22	2,502576E+22	2,535515E+22	2,527242E+22	2,421925E+22	2,247781E+22	2,109505E+22	2,109511E+22	2,247795E+22	2,421935E+22
1070	2,527235E+22	2,535479E+22	2,502535E+22	2,502582E+22	2,535566E+22	2,527291E+22	2,421957E+22	2,247777E+22	2,109466E+22	2,109454E+22	2,247747E+22	2,421935E+22
1071	2,527321E+22	2,535629E+22	2,502655E+22	2,502654E+22	2,535624E+22	2,527320E+22	2,421943E+22	2,247753E+22	2,109448E+22	2,109447E+22	2,247743E+22	2,421907E+22
1072	2,527251E+22	2,535541E+22	2,502547E+22	2,502488E+22	2,535454E+22	2,527224E+22	2,421920E+22	2,247764E+22	2,109460E+22	2,109444E+22	2,247729E+22	2,421890E+22
1073	2,527223E+22	2,535510E+22	2,502587E+22	2,502611E+22	2,535569E+22	2,527280E+22	2,421930E+22	2,247751E+22	2,109446E+22	2,109434E+22	2,247720E+22	2,421906E+22
1074	2,527281E+22	2,535571E+22	2,502612E+22	2,502625E+22	2,535574E+22	2,527261E+22	2,421903E+22	2,247734E+22	2,109444E+22	2,109452E+22	2,247746E+22	2,421893E+22
1075	2,527205E+22	2,535452E+22	2,502461E+22	2,502486E+22	2,535502E+22	2,527239E+22	2,421895E+22	2,247723E+22	2,109423E+22	2,109430E+22	2,247744E+22	2,421919E+22
1076	2,527258E+22	2,535550E+22	2,502603E+22	2,502609E+22	2,535594E+22	2,527316E+22	2,421936E+22	2,247724E+22	2,109402E+22	2,109410E+22	2,247746E+22	2,421962E+22
1077	2,527310E+22	2,535566E+22	2,502577E+22	2,502537E+22	2,535479E+22	2,527225E+22	2,421916E+22	2,247758E+22	2,109456E+22	2,109451E+22	2,247744E+22	2,421910E+22
1078	2,527241E+22	2,535488E+22	2,502514E+22	2,502535E+22	2,535510E+22	2,527242E+22	2,421927E+22	2,247769E+22	2,109468E+22	2,109450E+22	2,247725E+22	2,421897E+22
1079	2,527289E+22	2,535628E+22	2,502680E+22	2,502677E+22	2,535629E+22	2,527305E+22	2,421926E+22	2,247759E+22	2,109482E+22	2,109490E+22	2,247772E+22	2,421914E+22
1080	2,527246E+22	2,535552E+22	2,502595E+22	2,502555E+22	2,535495E+22	2,527228E+22	2,421913E+22	2,247784E+22	2,109521E+22	2,109526E+22	2,247796E+22	2,421921E+22
1081	2,527218E+22	2,535490E+22	2,502584E+22	2,502635E+22	2,535598E+22	2,527306E+22	2,421964E+22	2,247812E+22	2,109539E+22	2,109532E+22	2,247793E+22	2,421945E+22
1082	2,527302E+22	2,535603E+22	2,502658E+22	2,502678E+22	2,535626E+22	2,527314E+22	2,421971E+22	2,247832E+22	2,109569E+22	2,109572E+22	2,247830E+22	2,421943E+22
1083	2,527247E+22	2,535515E+22	2,502537E+22	2,502529E+22	2,535506E+22	2,527249E+22	2,421954E+22	2,247845E+22	2,109588E+22	2,109578E+22	2,247824E+22	2,421939E+22
1084	2,527264E+22	2,535579E+22	2,502662E+22	2,502663E+22	2,535600E+22	2,527312E+22	2,421984E+22	2,247850E+22	2,109585E+22	2,109577E+22	2,247834E+22	2,421975E+22
1085	2,527314E+22	2,535617E+22	2,502674E+22	2,502648E+22	2,535543E+22	2,527232E+22	2,421934E+22	2,247848E+22	2,109619E+22	2,109623E+22	2,247859E+22	2,421945E+22
1086	2,527235E+22	2,535504E+22	2,502554E+22	2,502581E+22	2,535546E+22	2,527253E+22	2,421934E+22	2,247820E+22	2,109579E+22	2,109582E+22	2,247830E+22	2,421945E+22
1087	2,527280E+22	2,535609E+22	2,502691E+22	2,502704E+22	2,535657E+22	2,527341E+22	2,421963E+22	2,247799E+22	2,109536E+22	2,109553E+22	2,247834E+22	2,421974E+22
1088	2,527295E+22	2,535580E+22	2,502618E+22	2,502582E+22	2,535503E+22	2,527235E+22	2,421936E+22	2,247810E+22	2,109539E+22	2,109535E+22	2,247804E+22	2,421938E+22
1089	2,527249E+22	2,535508E+22	2,502561E+22	2,502597E+22	2,535558E+22	2,527274E+22	2,421955E+22	2,247814E+22	2,109531E+22	2,109504E+22	2,247752E+22	2,421905E+22
1090	2,527289E+22	2,535625E+22	2,502674E+22	2,502671E+22	2,535616E+22	2,527303E+22	2,421949E+22	2,247796E+22	2,109521E+22	2,109519E+22	2,247780E+22	2,421901E+22
1091	2,527221E+22	2,535515E+22	2,502552E+22	2,502531E+22	2,535485E+22	2,527220E+22	2,421907E+22	2,247774E+22	2,109503E+22	2,109501E+22	2,247769E+22	2,421896E+22
1092	2,527208E+22	2,535501E+22	2,502587E+22	2,502624E+22	2,535587E+22	2,527301E+22	2,421948E+22	2,247772E+22	2,109477E+22	2,109476E+22	2,247770E+22	2,421944E+22
1093	2,527288E+22	2,535566E+22	2,502607E+22	2,502617E+22	2,535557E+22	2,527253E+22	2,421918E+22	2,247771E+22	2,109496E+22	2,109507E+22	2,247794E+22	2,421932E+22
1094	2,527237E+22	2,535476E+22	2,502474E+22	2,502488E+22	2,535492E+22	2,527240E+22	2,421919E+22	2,247764E+22	2,109476E+22	2,109472E+22	2,247757E+22	2,421915E+22
1095	2,527265E+22	2,535579E+22	2,502632E+22	2,502626E+22	2,535593E+22	2,527317E+22	2,421956E+22	2,247772E+22	2,109475E+22	2,109473E+22	2,247766E+22	2,421940E+22
1096	2,527298E+22	2,535600E+22	2,502632E+22	2,502577E+22	2,535472E+22	2,527196E+22	2,421906E+22	2,247784E+22	2,109515E+22	2,109514E+22	2,247781E+22	2,421912E+22
1097	2,527230E+22	2,535498E+22	2,502551E+22	2,502588E+22	2,535538E+22	2,527234E+22	2,421914E+22	2,247798E+22	2,109544E+22	2,109531E+22	2,247771E+22	2,421894E+22
1098	2,527256E+22	2,535604E+22	2,502684E+22	2,502704E+22	2,535656E+22	2,527326E+22	2,421948E+22	2,247798E+22	2,109551E+22	2,109570E+22	2,247833E+22	2,421942E+22
1099	2,527243E+22	2,535529E+22	2,502583E+22	2,502577E+22	2,535522E+22	2,527246E+22	2,421934E+22	2,247816E+22	2,109568E+22	2,109577E+22	2,247832E+22	2,421939E+22
1100	2,527233E+22	2,535509E+22	2,502590E+22	2,502632E+22	2,535595E+22	2,527317E+22	2,421999E+22	2,247867E+22	2,109596E+22	2,109578E+22	2,247828E+22	2,421967E+22
1101	2,527313E+22	2,535625E+22	2,502682E+22	2,502679E+22	2,535594E+22	2,527280E+22	2,421973E+22	2,247882E+22	2,109650E+22	2,109647E+22	2,247874E+22	2,421958E+22
1102	2,527257E+22	2,535539E+22	2,502574E+22	2,502556E+22	2,535501E+22	2,527232E+22	2,421955E+22	2,247877E+22	2,109652E+22	2,109644E+22	2,247857E+22	2,421934E+22
1103	2,527246E+22	2,535583E+22	2,502693E+22	2,502705E+22	2,535628E+22	2,527318E+22	2,421987E+22	2,247875E+22	2,109643E+22	2,109646E+22	2,247878E+22	2,421977E+22
1104	2,527302E+22	2,535626E+22	2,502699E+22	2,502676E+22	2,535555E+22	2,527230E+22	2,421929E+22	2,247853E+22	2,109644E+22	2,109662E+22	2,247897E+22	2,421971E+22

1 Longitude $\ominus$ Years	2	3	4	5	6	7	8	9	10	11	12	13
	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
1105	2,527249E+22	2,535513E+22	2,502565E+22	2,502600E+22	2,535562E+22	2,527262E+22	2,421946E+22	2,247853E+22	2,109627E+22	2,109621E+22	2,247845E+22	2,421943E+22
1106	2,527274E+22	2,535611E+22	2,502694E+22	2,502706E+22	2,535658E+22	2,527349E+22	2,421993E+22	2,247851E+22	2,109598E+22	2,109600E+22	2,247852E+22	2,421971E+22
1107	2,527288E+22	2,535577E+22	2,502627E+22	2,502602E+22	2,535510E+22	2,527228E+22	2,421942E+22	2,247841E+22	2,109589E+22	2,109577E+22	2,247813E+22	2,421920E+22
1108	2,527234E+22	2,535520E+22	2,502585E+22	2,502615E+22	2,535559E+22	2,527269E+22	2,421969E+22	2,247853E+22	2,109583E+22	2,109556E+22	2,247793E+22	2,421915E+22
1109	2,527264E+22	2,535609E+22	2,502682E+22	2,502687E+22	2,535612E+22	2,527277E+22	2,421936E+22	2,247823E+22	2,109583E+22	2,109593E+22	2,247843E+22	2,421935E+22
1110	2,527224E+22	2,535506E+22	2,502550E+22	2,502536E+22	2,535495E+22	2,527232E+22	2,421919E+22	2,247790E+22	2,109541E+22	2,109550E+22	2,247810E+22	2,421919E+22
1111	2,527216E+22	2,535504E+22	2,502588E+22	2,502623E+22	2,535587E+22	2,527311E+22	2,421973E+22	2,247807E+22	2,109523E+22	2,109522E+22	2,247798E+22	2,421953E+22
1112	2,527307E+22	2,535605E+22	2,502633E+22	2,502618E+22	2,535531E+22	2,527226E+22	2,421916E+22	2,247797E+22	2,109538E+22	2,109543E+22	2,247812E+22	2,421942E+22
1113	2,527258E+22	2,535520E+22	2,502521E+22	2,502518E+22	2,535490E+22	2,527214E+22	2,421907E+22	2,247800E+22	2,109548E+22	2,109529E+22	2,247769E+22	2,421891E+22
1114	2,527239E+22	2,535586E+22	2,502670E+22	2,502668E+22	2,535609E+22	2,527307E+22	2,421959E+22	2,247812E+22	2,109548E+22	2,109549E+22	2,247808E+22	2,421937E+22
1115	2,527268E+22	2,535577E+22	2,502650E+22	2,502640E+22	2,535526E+22	2,527209E+22	2,421904E+22	2,247802E+22	2,109564E+22	2,109573E+22	2,247820E+22	2,421918E+22
1116	2,527213E+22	2,535491E+22	2,502560E+22	2,502612E+22	2,535571E+22	2,527271E+22	2,421953E+22	2,247840E+22	2,109590E+22	2,109584E+22	2,247825E+22	2,421928E+22
1117	2,527249E+22	2,535587E+22	2,502676E+22	2,502701E+22	2,535650E+22	2,527329E+22	2,421981E+22	2,247860E+22	2,109627E+22	2,109641E+22	2,247887E+22	2,421978E+22
1118	2,527267E+22	2,535546E+22	2,502589E+22	2,502570E+22	2,535514E+22	2,527255E+22	2,421968E+22	2,247874E+22	2,109644E+22	2,109641E+22	2,247862E+22	2,421943E+22
1119	2,527239E+22	2,535535E+22	2,502616E+22	2,502634E+22	2,535578E+22	2,527305E+22	2,422016E+22	2,247922E+22	2,109681E+22	2,109658E+22	2,247865E+22	2,421961E+22
1120	2,527310E+22	2,535656E+22	2,502726E+22	2,502704E+22	2,535577E+22	2,527238E+22	2,421951E+22	2,247904E+22	2,109710E+22	2,109717E+22	2,247924E+22	2,421981E+22
1121	2,527263E+22	2,535557E+22	2,502612E+22	2,502602E+22	2,535523E+22	2,527212E+22	2,421925E+22	2,247889E+22	2,109710E+22	2,109707E+22	2,247897E+22	2,421943E+22
1122	2,527232E+22	2,535570E+22	2,502699E+22	2,502725E+22	2,535649E+22	2,527330E+22	2,421996E+22	2,247896E+22	2,109684E+22	2,109696E+22	2,247919E+22	2,422002E+22
1123	2,527307E+22	2,535614E+22	2,502699E+22	2,502702E+22	2,535581E+22	2,527244E+22	2,421945E+22	2,247873E+22	2,109666E+22	2,109679E+22	2,247902E+22	2,421973E+22
1124	2,527260E+22	2,535540E+22	2,502587E+22	2,502604E+22	2,535561E+22	2,527270E+22	2,421977E+22	2,247898E+22	2,109666E+22	2,109646E+22	2,247855E+22	2,421937E+22
1125	2,527258E+22	2,535616E+22	2,502717E+22	2,502713E+22	2,535637E+22	2,527323E+22	2,421999E+22	2,247900E+22	2,109672E+22	2,109663E+22	2,247878E+22	2,421964E+22
1126	2,527273E+22	2,535581E+22	2,502650E+22	2,502622E+22	2,535519E+22	2,527226E+22	2,421948E+22	2,247872E+22	2,109650E+22	2,109639E+22	2,247842E+22	2,421907E+22
1127	2,527202E+22	2,535504E+22	2,502593E+22	2,502633E+22	2,535580E+22	2,527279E+22	2,421977E+22	2,247883E+22	2,109642E+22	2,109624E+22	2,247837E+22	2,421923E+22
1128	2,527255E+22	2,535604E+22	2,502684E+22	2,502691E+22	2,535609E+22	2,527268E+22	2,421934E+22	2,247836E+22	2,109617E+22	2,109639E+22	2,247889E+22	2,421976E+22
1129	2,527249E+22	2,535519E+22	2,502559E+22	2,502545E+22	2,535496E+22	2,527220E+22	2,421919E+22	2,247825E+22	2,109596E+22	2,109594E+22	2,247832E+22	2,421928E+22
1130	2,527222E+22	2,535516E+22	2,502603E+22	2,502628E+22	2,535582E+22	2,527303E+22	2,421985E+22	2,247850E+22	2,109586E+22	2,109577E+22	2,247827E+22	2,421961E+22
1131	2,527309E+22	2,535616E+22	2,502667E+22	2,502655E+22	2,535543E+22	2,527214E+22	2,421912E+22	2,247820E+22	2,109584E+22	2,109589E+22	2,247830E+22	2,421932E+22
1132	2,527249E+22	2,535542E+22	2,502567E+22	2,502559E+22	2,535511E+22	2,527216E+22	2,421919E+22	2,247835E+22	2,109599E+22	2,109588E+22	2,247815E+22	2,421901E+22
1133	2,527212E+22	2,535567E+22	2,502686E+22	2,502699E+22	2,535630E+22	2,527307E+22	2,421962E+22	2,247849E+22	2,109620E+22	2,109627E+22	2,247866E+22	2,421966E+22
1134	2,527269E+22	2,535567E+22	2,502647E+22	2,502645E+22	2,535553E+22	2,527246E+22	2,421939E+22	2,247840E+22	2,109619E+22	2,109631E+22	2,247859E+22	2,421935E+22
1135	2,527217E+22	2,535494E+22	2,502562E+22	2,502606E+22	2,535573E+22	2,527290E+22	2,421997E+22	2,247904E+22	2,109662E+22	2,109645E+22	2,247856E+22	2,421939E+22
1136	2,527267E+22	2,535617E+22	2,502697E+22	2,502695E+22	2,535617E+22	2,527295E+22	2,421981E+22	2,247904E+22	2,109694E+22	2,109699E+22	2,247918E+22	2,421993E+22
1137	2,527284E+22	2,535582E+22	2,502634E+22	2,502594E+22	2,535500E+22	2,527213E+22	2,421950E+22	2,247917E+22	2,109730E+22	2,109715E+22	2,247891E+22	2,421931E+22
1138	2,527219E+22	2,535541E+22	2,502654E+22	2,502673E+22	2,535589E+22	2,527284E+22	2,422003E+22	2,247950E+22	2,109750E+22	2,109739E+22	2,247919E+22	2,421972E+22
1139	2,527291E+22	2,535640E+22	2,502749E+22	2,502755E+22	2,535616E+22	2,527241E+22	2,421937E+22	2,247906E+22	2,109742E+22	2,109763E+22	2,247958E+22	2,421993E+22
1140	2,527262E+22	2,535564E+22	2,502634E+22	2,502628E+22	2,535554E+22	2,527243E+22	2,421954E+22	2,247916E+22	2,109736E+22	2,109740E+22	2,247933E+22	2,421966E+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	2,527231E+22	2,535563E+22	2,502702E+22	2,502732E+22	2,535651E+22	2,527333E+22	2,422021E+22	2,247947E+22	2,109743E+22	2,109742E+22	2,247943E+22	2,422016E+22	
1142	2,527322E+22	2,535630E+22	2,502708E+22	2,502699E+22	2,535588E+22	2,527265E+22	2,421977E+22	2,247923E+22	2,109727E+22	2,109724E+22	2,247909E+22	2,421953E+22	
1143	2,527244E+22	2,535551E+22	2,502614E+22	2,502613E+22	2,535556E+22	2,527270E+22	2,422001E+22	2,247954E+22	2,109743E+22	2,109713E+22	2,247880E+22	2,421920E+22	
1144	2,527237E+22	2,535615E+22	2,502739E+22	2,502729E+22	2,535625E+22	2,527289E+22	2,421980E+22	2,247923E+22	2,109730E+22	2,109731E+22	2,247928E+22	2,421984E+22	
1145	2,527267E+22	2,535574E+22	2,502664E+22	2,502647E+22	2,535534E+22	2,527211E+22	2,421926E+22	2,247891E+22	2,109710E+22	2,109705E+22	2,247889E+22	2,421927E+22	
1146	2,527195E+22	2,535486E+22	2,502584E+22	2,502631E+22	2,535584E+22	2,527283E+22	2,421983E+22	2,247903E+22	2,109683E+22	2,109679E+22	2,247888E+22	2,421962E+22	
1147	2,527274E+22	2,535600E+22	2,502686E+22	2,502699E+22	2,535611E+22	2,527263E+22	2,421936E+22	2,247853E+22	2,109641E+22	2,109659E+22	2,247900E+22	2,421990E+22	
1148	2,527278E+22	2,535561E+22	2,502597E+22	2,502556E+22	2,535491E+22	2,527216E+22	2,421932E+22	2,247857E+22	2,109630E+22	2,109623E+22	2,247848E+22	2,421929E+22	
1149	2,527217E+22	2,535532E+22	2,502641E+22	2,502653E+22	2,535575E+22	2,527279E+22	2,421981E+22	2,247890E+22	2,109653E+22	2,109638E+22	2,247854E+22	2,421959E+22	
1150	2,527301E+22	2,535626E+22	2,502702E+22	2,502692E+22	2,535578E+22	2,527234E+22	2,421923E+22	2,247849E+22	2,109641E+22	2,109647E+22	2,247857E+22	2,421919E+22	
1151	2,527219E+22	2,535531E+22	2,502589E+22	2,502588E+22	2,535543E+22	2,527244E+22	2,421946E+22	2,247878E+22	2,109666E+22	2,109657E+22	2,247853E+22	2,421905E+22	
1152	2,527200E+22	2,535553E+22	2,502685E+22	2,502703E+22	2,535633E+22	2,527312E+22	2,421981E+22	2,247889E+22	2,109678E+22	2,109687E+22	2,247911E+22	2,421996E+22	
1153	2,527287E+22	2,535576E+22	2,502657E+22	2,502652E+22	2,535552E+22	2,527236E+22	2,421950E+22	2,247901E+22	2,109704E+22	2,109696E+22	2,247888E+22	2,421939E+22	
1154	2,527218E+22	2,535501E+22	2,502573E+22	2,502601E+22	2,535555E+22	2,527274E+22	2,422009E+22	2,247959E+22	2,109748E+22	2,109725E+22	2,247901E+22	2,421952E+22	
1155	2,527268E+22	2,535623E+22	2,502731E+22	2,502724E+22	2,535612E+22	2,527267E+22	2,421970E+22	2,247931E+22	2,109754E+22	2,109763E+22	2,247953E+22	2,421998E+22	
1156	2,527285E+22	2,535605E+22	2,502685E+22	2,502639E+22	2,535515E+22	2,527200E+22	2,421940E+22	2,247936E+22	2,109777E+22	2,109781E+22	2,247950E+22	2,421953E+22	
1157	2,527204E+22	2,535529E+22	2,502674E+22	2,502708E+22	2,535610E+22	2,527281E+22	2,421993E+22	2,247969E+22	2,109806E+22	2,109808E+22	2,247975E+22	2,422006E+22	
1158	2,527306E+22	2,535643E+22	2,502755E+22	2,502766E+22	2,535649E+22	2,527284E+22	2,421965E+22	2,247929E+22	2,109777E+22	2,109801E+22	2,247980E+22	2,421999E+22	
1159	2,527267E+22	2,535575E+22	2,502651E+22	2,502634E+22	2,535562E+22	2,527266E+22	2,421996E+22	2,247973E+22	2,109795E+22	2,109780E+22	2,247938E+22	2,421956E+22	
1160	2,527237E+22	2,535583E+22	2,502722E+22	2,502734E+22	2,535632E+22	2,527312E+22	2,422027E+22	2,247991E+22	2,109807E+22	2,109790E+22	2,247957E+22	2,422008E+22	
1161	2,527320E+22	2,535647E+22	2,502744E+22	2,502726E+22	2,535585E+22	2,527237E+22	2,421968E+22	2,247969E+22	2,109809E+22	2,109791E+22	2,247931E+22	2,421932E+22	
1162	2,527208E+22	2,535532E+22	2,502628E+22	2,502637E+22	2,535565E+22	2,527261E+22	2,421997E+22	2,247983E+22	2,109808E+22	2,109791E+22	2,247937E+22	2,421937E+22	
1163	2,527216E+22	2,535582E+22	2,502739E+22	2,502753E+22	2,535644E+22	2,527293E+22	2,421973E+22	2,247926E+22	2,109757E+22	2,109774E+22	2,247969E+22	2,422011E+22	
1164	2,527280E+22	2,535577E+22	2,502671E+22	2,502653E+22	2,535541E+22	2,527225E+22	2,421945E+22	2,247910E+22	2,109733E+22	2,109742E+22	2,247933E+22	2,421960E+22	
1165	2,527212E+22	2,535491E+22	2,502588E+22	2,502631E+22	2,535573E+22	2,527271E+22	2,421989E+22	2,247939E+22	2,109737E+22	2,109725E+22	2,247914E+22	2,421983E+22	
1166	2,527306E+22	2,535634E+22	2,502706E+22	2,502695E+22	2,535611E+22	2,527275E+22	2,421951E+22	2,247886E+22	2,109692E+22	2,109699E+22	2,247905E+22	2,421971E+22	
1167	2,527272E+22	2,535587E+22	2,502647E+22	2,502587E+22	2,535495E+22	2,527216E+22	2,421950E+22	2,247905E+22	2,109700E+22	2,109682E+22	2,247864E+22	2,421911E+22	
1168	2,527202E+22	2,535536E+22	2,502674E+22	2,502689E+22	2,535583E+22	2,527257E+22	2,421965E+22	2,247912E+22	2,109711E+22	2,109701E+22	2,247893E+22	2,421966E+22	
1169	2,527289E+22	2,535617E+22	2,502718E+22	2,502724E+22	2,535605E+22	2,527237E+22	2,421921E+22	2,247883E+22	2,109708E+22	2,109713E+22	2,247897E+22	2,421927E+22	
1170	2,527202E+22	2,535507E+22	2,502582E+22	2,502591E+22	2,535551E+22	2,527263E+22	2,421975E+22	2,247923E+22	2,109728E+22	2,109724E+22	2,247906E+22	2,421933E+22	
1171	2,527206E+22	2,535543E+22	2,502685E+22	2,502705E+22	2,535622E+22	2,527305E+22	2,421993E+22	2,247927E+22	2,109731E+22	2,109732E+22	2,247934E+22	2,422006E+22	
1172	2,527306E+22	2,535610E+22	2,502693E+22	2,502662E+22	2,535538E+22	2,527222E+22	2,421959E+22	2,247942E+22	2,109767E+22	2,109762E+22	2,247929E+22	2,421945E+22	
1173	2,527213E+22	2,535513E+22	2,502611E+22	2,502630E+22	2,535545E+22	2,527239E+22	2,421990E+22	2,247994E+22	2,109828E+22	2,109808E+22	2,247951E+22	2,421965E+22	
1174	2,527270E+22	2,535636E+22	2,502760E+22	2,502758E+22	2,535644E+22	2,527281E+22	2,421966E+22	2,247949E+22	2,109809E+22	2,109827E+22	2,247992E+22	2,422000E+22	
1175	2,527271E+22	2,535605E+22	2,502716E+22	2,502679E+22	2,535551E+22	2,527230E+22	2,421965E+22	2,247971E+22	2,109831E+22	2,109836E+22	2,247981E+22	2,421966E+22	
1176	2,527211E+22	2,535529E+22	2,502682E+22	2,502722E+22	2,535619E+22	2,527288E+22	2,422010E+22	2,248002E+22	2,109852E+22	2,109852E+22	2,248004E+22	2,422025E+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												
1177	2,527324E+22	2,535661E+22	2,502773E+22	2,502779E+22	2,535656E+22	2,527287E+22	2,421988E+22	2,247990E+22	2,109852E+22	2,109851E+22	2,247993E+22	2,421987E+22
1178	2,527256E+22	2,535580E+22	2,502666E+22	2,502638E+22	2,535552E+22	2,527267E+22	2,422020E+22	2,248029E+22	2,109875E+22	2,109854E+22	2,247974E+22	2,421954E+22
1179	2,527218E+22	2,535571E+22	2,502742E+22	2,502759E+22	2,535626E+22	2,527293E+22	2,422023E+22	2,248021E+22	2,109865E+22	2,109851E+22	2,247989E+22	2,422006E+22
1180	2,527308E+22	2,535650E+22	2,502771E+22	2,502757E+22	2,535596E+22	2,527228E+22	2,421960E+22	2,247985E+22	2,109855E+22	2,109859E+22	2,247994E+22	2,421957E+22
1181	2,527197E+22	2,535509E+22	2,502623E+22	2,502647E+22	2,535568E+22	2,527253E+22	2,421987E+22	2,247998E+22	2,109856E+22	2,109854E+22	2,247994E+22	2,421982E+22
1182	2,527246E+22	2,535591E+22	2,502730E+22	2,502742E+22	2,535651E+22	2,527318E+22	2,421992E+22	2,247943E+22	2,109783E+22	2,109803E+22	2,247989E+22	2,422024E+22
1183	2,527302E+22	2,535607E+22	2,502697E+22	2,502658E+22	2,535530E+22	2,527225E+22	2,421967E+22	2,247951E+22	2,109778E+22	2,109769E+22	2,247930E+22	2,421952E+22
1184	2,527229E+22	2,535524E+22	2,502622E+22	2,502644E+22	2,535552E+22	2,527240E+22	2,421977E+22	2,247963E+22	2,109786E+22	2,109766E+22	2,247923E+22	2,421969E+22
1185	2,527302E+22	2,535660E+22	2,502756E+22	2,502742E+22	2,535622E+22	2,527254E+22	2,421939E+22	2,247921E+22	2,109759E+22	2,109756E+22	2,247919E+22	2,421939E+22
1186	2,527229E+22	2,535568E+22	2,502666E+22	2,502627E+22	2,535522E+22	2,527225E+22	2,421954E+22	2,247934E+22	2,109763E+22	2,109755E+22	2,247913E+22	2,421916E+22
1187	2,527169E+22	2,535496E+22	2,502671E+22	2,502718E+22	2,535609E+22	2,527277E+22	2,421979E+22	2,247935E+22	2,109753E+22	2,109751E+22	2,247930E+22	2,421980E+22
1188	2,527288E+22	2,535611E+22	2,502722E+22	2,502736E+22	2,535615E+22	2,527256E+22	2,421952E+22	2,247922E+22	2,109757E+22	2,109771E+22	2,247947E+22	2,421951E+22
1189	2,527207E+22	2,535501E+22	2,502578E+22	2,502588E+22	2,535535E+22	2,527251E+22	2,421989E+22	2,247978E+22	2,109809E+22	2,109799E+22	2,247952E+22	2,421960E+22
1190	2,527234E+22	2,535572E+22	2,502698E+22	2,502697E+22	2,535613E+22	2,527310E+22	2,422007E+22	2,247968E+22	2,109800E+22	2,109799E+22	2,247966E+22	2,422002E+22
1191	2,527304E+22	2,535637E+22	2,502740E+22	2,502695E+22	2,535536E+22	2,527209E+22	2,421966E+22	2,247986E+22	2,109844E+22	2,109837E+22	2,247967E+22	2,421950E+22
1192	2,527214E+22	2,535525E+22	2,502643E+22	2,502669E+22	2,535557E+22	2,527218E+22	2,421966E+22	2,248007E+22	2,109884E+22	2,109879E+22	2,248004E+22	2,421992E+22
1193	2,527280E+22	2,535645E+22	2,502785E+22	2,502795E+22	2,535671E+22	2,527288E+22	2,421970E+22	2,247980E+22	2,109865E+22	2,109884E+22	2,248028E+22	2,422012E+22
1194	2,527267E+22	2,535600E+22	2,502722E+22	2,502695E+22	2,535565E+22	2,527254E+22	2,422000E+22	2,248017E+22	2,109886E+22	2,109889E+22	2,248016E+22	2,421982E+22
1195	2,527215E+22	2,535532E+22	2,502697E+22	2,502736E+22	2,535615E+22	2,527287E+22	2,422031E+22	2,248046E+22	2,109903E+22	2,109887E+22	2,248011E+22	2,422014E+22
1196	2,527324E+22	2,535688E+22	2,502811E+22	2,502801E+22	2,535650E+22	2,527281E+22	2,422003E+22	2,248031E+22	2,109915E+22	2,109916E+22	2,248027E+22	2,421976E+22
1197	2,527232E+22	2,535575E+22	2,502690E+22	2,502667E+22	2,535548E+22	2,527243E+22	2,422013E+22	2,248067E+22	2,109953E+22	2,109937E+22	2,248027E+22	2,421966E+22
1198	2,527211E+22	2,535568E+22	2,502742E+22	2,502768E+22	2,535646E+22	2,527308E+22	2,422024E+22	2,248036E+22	2,109913E+22	2,109911E+22	2,248032E+22	2,422014E+22
1199	2,527295E+22	2,535643E+22	2,502779E+22	2,502774E+22	2,535611E+22	2,527246E+22	2,421981E+22	2,248015E+22	2,109901E+22	2,109907E+22	2,248026E+22	2,421981E+22
1200	2,527218E+22	2,535516E+22	2,502623E+22	2,502649E+22	2,535558E+22	2,527237E+22	2,421983E+22	2,248015E+22	2,109890E+22	2,109888E+22	2,248020E+22	2,422005E+22
1201	2,527275E+22	2,535622E+22	2,502751E+22	2,502750E+22	2,535639E+22	2,527298E+22	2,421995E+22	2,247985E+22	2,109838E+22	2,109839E+22	2,247994E+22	2,422010E+22
1202	2,527293E+22	2,535622E+22	2,502726E+22	2,502679E+22	2,535525E+22	2,527220E+22	2,421979E+22	2,247988E+22	2,109836E+22	2,109825E+22	2,247956E+22	2,421942E+22
1203	2,527204E+22	2,535521E+22	2,502656E+22	2,502685E+22	2,535557E+22	2,527224E+22	2,421970E+22	2,247982E+22	2,109829E+22	2,109813E+22	2,247946E+22	2,421956E+22
1204	2,527277E+22	2,535656E+22	2,502784E+22	2,502785E+22	2,535652E+22	2,527265E+22	2,421942E+22	2,247934E+22	2,109803E+22	2,109823E+22	2,247974E+22	2,421952E+22
1205	2,527207E+22	2,535539E+22	2,502655E+22	2,502641E+22	2,535539E+22	2,527239E+22	2,421967E+22	2,247963E+22	2,109820E+22	2,109824E+22	2,247970E+22	2,421953E+22
1206	2,527190E+22	2,535496E+22	2,502645E+22	2,502697E+22	2,535614E+22	2,527307E+22	2,422013E+22	2,247975E+22	2,109802E+22	2,109796E+22	2,247958E+22	2,421991E+22
1207	2,527300E+22	2,535633E+22	2,502738E+22	2,502737E+22	2,535600E+22	2,527253E+22	2,421983E+22	2,247983E+22	2,109830E+22	2,109824E+22	2,247964E+22	2,421958E+22
1208	2,527227E+22	2,535532E+22	2,502609E+22	2,502601E+22	2,535508E+22	2,527208E+22	2,421972E+22	2,248009E+22	2,109878E+22	2,109867E+22	2,247987E+22	2,421965E+22
1209	2,527241E+22	2,535605E+22	2,502750E+22	2,502741E+22	2,535613E+22	2,527277E+22	2,421993E+22	2,248005E+22	2,109873E+22	2,109873E+22	2,248004E+22	2,421995E+22
1210	2,527279E+22	2,535633E+22	2,502770E+22	2,502741E+22	2,535565E+22	2,527219E+22	2,421970E+22	2,248011E+22	2,109903E+22	2,109912E+22	2,248024E+22	2,421968E+22
1211	2,527198E+22	2,535512E+22	2,502661E+22	2,502704E+22	2,535582E+22	2,527237E+22	2,421982E+22	2,248028E+22	2,109921E+22	2,109922E+22	2,248035E+22	2,422005E+22
1212	2,527287E+22	2,535658E+22	2,502807E+22	2,502821E+22	2,535690E+22	2,527311E+22	2,422003E+22	2,248020E+22	2,109917E+22	2,109938E+22	2,248064E+22	2,422020E+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	2,527267E+22	2,535602E+22	2,502727E+22	2,502703E+22	2,535562E+22	2,527252E+22	2,422024E+22	2,248078E+22	2,109970E+22	2,109960E+22	2,248052E+22	2,421990E+22
1214	2,527225E+22	2,535553E+22	2,502705E+22	2,502735E+22	2,535617E+22	2,527298E+22	2,422054E+22	2,248096E+22	2,109977E+22	2,109954E+22	2,248039E+22	2,421999E+22
1215	2,527300E+22	2,535695E+22	2,502848E+22	2,502835E+22	2,535651E+22	2,527266E+22	2,422011E+22	2,248077E+22	2,109989E+22	2,109987E+22	2,248066E+22	2,421984E+22
1216	2,527223E+22	2,535564E+22	2,502697E+22	2,502688E+22	2,535551E+22	2,527218E+22	2,421987E+22	2,248074E+22	2,110003E+22	2,110005E+22	2,248086E+22	2,422000E+22
1217	2,527223E+22	2,535573E+22	2,502750E+22	2,502780E+22	2,535648E+22	2,527301E+22	2,422026E+22	2,248058E+22	2,109952E+22	2,109957E+22	2,248068E+22	2,422033E+22
1218	2,527301E+22	2,535645E+22	2,502778E+22	2,502772E+22	2,535606E+22	2,527249E+22	2,421998E+22	2,248044E+22	2,109938E+22	2,109945E+22	2,248054E+22	2,421997E+22
1219	2,527226E+22	2,535536E+22	2,502648E+22	2,502660E+22	2,535546E+22	2,527221E+22	2,421984E+22	2,248036E+22	2,109920E+22	2,109907E+22	2,248017E+22	2,421991E+22
1220	2,527277E+22	2,535656E+22	2,502800E+22	2,502786E+22	2,535643E+22	2,527286E+22	2,421993E+22	2,248002E+22	2,109881E+22	2,109889E+22	2,248016E+22	2,421990E+22
1221	2,527262E+22	2,535613E+22	2,502750E+22	2,502721E+22	2,535544E+22	2,527211E+22	2,421977E+22	2,248017E+22	2,109897E+22	2,109890E+22	2,247996E+22	2,421946E+22
1222	2,527188E+22	2,535509E+22	2,502650E+22	2,502701E+22	2,535597E+22	2,527260E+22	2,421989E+22	2,248006E+22	2,109873E+22	2,109864E+22	2,247980E+22	2,421956E+22
1223	2,527250E+22	2,535638E+22	2,502785E+22	2,502800E+22	2,535670E+22	2,527294E+22	2,421985E+22	2,247984E+22	2,109858E+22	2,109870E+22	2,248004E+22	2,421974E+22
1224	2,527221E+22	2,535536E+22	2,502643E+22	2,502633E+22	2,535527E+22	2,527227E+22	2,421981E+22	2,248006E+22	2,109882E+22	2,109883E+22	2,248009E+22	2,421980E+22
1225	2,527218E+22	2,535529E+22	2,502662E+22	2,502691E+22	2,535588E+22	2,527281E+22	2,422027E+22	2,248035E+22	2,109881E+22	2,109861E+22	2,247987E+22	2,421990E+22
1226	2,527296E+22	2,535652E+22	2,502767E+22	2,502751E+22	2,535585E+22	2,527234E+22	2,421989E+22	2,248029E+22	2,109909E+22	2,109906E+22	2,248015E+22	2,421966E+22
1227	2,527213E+22	2,535544E+22	2,502656E+22	2,502646E+22	2,535512E+22	2,527179E+22	2,421951E+22	2,248024E+22	2,109929E+22	2,109928E+22	2,248029E+22	2,421975E+22
1228	2,527235E+22	2,535617E+22	2,502790E+22	2,502794E+22	2,535647E+22	2,527281E+22	2,421985E+22	2,248010E+22	2,109919E+22	2,109945E+22	2,248065E+22	2,422018E+22
1229	2,527272E+22	2,535622E+22	2,502777E+22	2,502771E+22	2,535593E+22	2,527238E+22	2,421990E+22	2,248043E+22	2,109956E+22	2,109973E+22	2,248074E+22	2,422002E+22
1230	2,527222E+22	2,535529E+22	2,502657E+22	2,502701E+22	2,535598E+22	2,527267E+22	2,422020E+22	2,248075E+22	2,109972E+22	2,109962E+22	2,248049E+22	2,421998E+22
1231	2,527281E+22	2,535677E+22	2,502837E+22	2,502837E+22	2,535688E+22	2,527316E+22	2,422041E+22	2,248090E+22	2,109996E+22	2,109990E+22	2,248072E+22	2,422011E+22
1232	2,527268E+22	2,535617E+22	2,502754E+22	2,502724E+22	2,535551E+22	2,527220E+22	2,422015E+22	2,248116E+22	2,110047E+22	2,110035E+22	2,248089E+22	2,421989E+22
1233	2,527215E+22	2,535562E+22	2,502732E+22	2,502762E+22	2,535615E+22	2,527271E+22	2,422048E+22	2,248136E+22	2,110049E+22	2,110029E+22	2,248084E+22	2,421999E+22
1234	2,527267E+22	2,535671E+22	2,502850E+22	2,502855E+22	2,535671E+22	2,527276E+22	2,422018E+22	2,248102E+22	2,110042E+22	2,110056E+22	2,248127E+22	2,422015E+22
1235	2,527214E+22	2,535552E+22	2,502705E+22	2,502700E+22	2,535554E+22	2,527216E+22	2,421990E+22	2,248085E+22	2,110025E+22	2,110035E+22	2,248115E+22	2,422025E+22
1236	2,527243E+22	2,535593E+22	2,502770E+22	2,502794E+22	2,535650E+22	2,527299E+22	2,422034E+22	2,248077E+22	2,109987E+22	2,109999E+22	2,248096E+22	2,422043E+22
1237	2,527309E+22	2,535659E+22	2,502792E+22	2,502780E+22	2,535602E+22	2,527241E+22	2,422007E+22	2,248080E+22	2,109994E+22	2,109993E+22	2,248076E+22	2,422001E+22
1238	2,527236E+22	2,535563E+22	2,502666E+22	2,502668E+22	2,535555E+22	2,527228E+22	2,421996E+22	2,248068E+22	2,109969E+22	2,109950E+22	2,248028E+22	2,421967E+22
1239	2,527245E+22	2,535657E+22	2,502837E+22	2,502829E+22	2,535664E+22	2,527287E+22	2,422007E+22	2,248044E+22	2,109941E+22	2,109938E+22	2,248037E+22	2,421992E+22
1240	2,527248E+22	2,535595E+22	2,502749E+22	2,502742E+22	2,535563E+22	2,527206E+22	2,421969E+22	2,248035E+22	2,109947E+22	2,109951E+22	2,248044E+22	2,421972E+22
1241	2,527194E+22	2,535508E+22	2,502647E+22	2,502697E+22	2,535594E+22	2,527263E+22	2,422016E+22	2,248052E+22	2,109925E+22	2,109914E+22	2,248016E+22	2,421972E+22
1242	2,527248E+22	2,535632E+22	2,502779E+22	2,502790E+22	2,535658E+22	2,527294E+22	2,422013E+22	2,248036E+22	2,109921E+22	2,109926E+22	2,248041E+22	2,421990E+22
1243	2,527224E+22	2,535556E+22	2,502672E+22	2,502637E+22	2,535502E+22	2,527195E+22	2,421975E+22	2,248038E+22	2,109936E+22	2,109931E+22	2,248030E+22	2,421979E+22
1244	2,527224E+22	2,535566E+22	2,502720E+22	2,502731E+22	2,535586E+22	2,527250E+22	2,422007E+22	2,248051E+22	2,109943E+22	2,109940E+22	2,248032E+22	2,421989E+22
1245	2,527277E+22	2,535652E+22	2,502799E+22	2,502793E+22	2,535605E+22	2,527220E+22	2,421976E+22	2,248052E+22	2,109974E+22	2,109983E+22	2,248071E+22	2,421988E+22
1246	2,527213E+22	2,535547E+22	2,502666E+22	2,502676E+22	2,535561E+22	2,527214E+22	2,421967E+22	2,248046E+22	2,109972E+22	2,109978E+22	2,248063E+22	2,421984E+22
1247	2,527223E+22	2,535615E+22	2,502812E+22	2,502829E+22	2,535679E+22	2,527310E+22	2,422026E+22	2,248063E+22	2,109973E+22	2,109982E+22	2,248084E+22	2,422036E+22
1248	2,527286E+22	2,535623E+22	2,502778E+22	2,502778E+22	2,535599E+22	2,527237E+22	2,422009E+22	2,248095E+22	2,110026E+22	2,110031E+22	2,248104E+22	2,422012E+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												
1249	2,527234E+22	2,535557E+22	2,502682E+22	2,502703E+22	2,535584E+22	2,527261E+22	2,422052E+22	2,248145E+22	2,110057E+22	2,110031E+22	2,248077E+22	2,421985E+22
1250	2,527254E+22	2,535674E+22	2,502859E+22	2,502853E+22	2,535681E+22	2,527304E+22	2,422056E+22	2,248145E+22	2,110082E+22	2,110077E+22	2,248125E+22	2,422014E+22
1251	2,527239E+22	2,535611E+22	2,502784E+22	2,502752E+22	2,535554E+22	2,527194E+22	2,421996E+22	2,248136E+22	2,110104E+22	2,110104E+22	2,248140E+22	2,422009E+22
1252	2,527212E+22	2,535564E+22	2,502753E+22	2,502790E+22	2,535634E+22	2,527266E+22	2,422031E+22	2,248136E+22	2,110093E+22	2,110101E+22	2,248145E+22	2,422032E+22
1253	2,527274E+22	2,535660E+22	2,502842E+22	2,502856E+22	2,535676E+22	2,527280E+22	2,422029E+22	2,248126E+22	2,110082E+22	2,110103E+22	2,248169E+22	2,422055E+22
1254	2,527251E+22	2,535578E+22	2,502707E+22	2,502693E+22	2,535560E+22	2,527228E+22	2,422010E+22	2,248116E+22	2,110056E+22	2,110053E+22	2,248114E+22	2,422018E+22
1255	2,527248E+22	2,535625E+22	2,502815E+22	2,502818E+22	2,535648E+22	2,527291E+22	2,422051E+22	2,248123E+22	2,110040E+22	2,110024E+22	2,248088E+22	2,422030E+22
1256	2,527307E+22	2,535673E+22	2,502826E+22	2,502811E+22	2,535607E+22	2,527217E+22	2,421994E+22	2,248106E+22	2,110051E+22	2,110049E+22	2,248098E+22	2,421989E+22
1257	2,527219E+22	2,535570E+22	2,502698E+22	2,502699E+22	2,535569E+22	2,527224E+22	2,422005E+22	2,248105E+22	2,110027E+22	2,110009E+22	2,248059E+22	2,421956E+22
1258	2,527201E+22	2,535618E+22	2,502833E+22	2,502847E+22	2,535691E+22	2,527312E+22	2,422032E+22	2,248082E+22	2,109998E+22	2,110001E+22	2,248085E+22	2,422008E+22
1259	2,527229E+22	2,535577E+22	2,502751E+22	2,502744E+22	2,535564E+22	2,527208E+22	2,421983E+22	2,248066E+22	2,109989E+22	2,109993E+22	2,248075E+22	2,421995E+22
1260	2,527210E+22	2,535521E+22	2,502658E+22	2,502697E+22	2,535586E+22	2,527252E+22	2,422020E+22	2,248084E+22	2,109987E+22	2,109981E+22	2,248056E+22	2,421989E+22
1261	2,527257E+22	2,535641E+22	2,502791E+22	2,502787E+22	2,535643E+22	2,527276E+22	2,422019E+22	2,248080E+22	2,109993E+22	2,109998E+22	2,248086E+22	2,422012E+22
1262	2,527242E+22	2,535584E+22	2,502700E+22	2,502655E+22	2,535507E+22	2,527182E+22	2,421969E+22	2,248063E+22	2,109990E+22	2,109987E+22	2,248060E+22	2,421975E+22
1263	2,527206E+22	2,535575E+22	2,502768E+22	2,502784E+22	2,535612E+22	2,527244E+22	2,422002E+22	2,248079E+22	2,109999E+22	2,109993E+22	2,248068E+22	2,422010E+22
1264	2,527280E+22	2,535646E+22	2,502811E+22	2,502825E+22	2,535638E+22	2,527226E+22	2,421969E+22	2,248063E+22	2,110019E+22	2,110043E+22	2,248118E+22	2,422017E+22
1265	2,527230E+22	2,535560E+22	2,502681E+22	2,502682E+22	2,535565E+22	2,527229E+22	2,422005E+22	2,248098E+22	2,110025E+22	2,110023E+22	2,248088E+22	2,421988E+22
1266	2,527217E+22	2,535612E+22	2,502818E+22	2,502832E+22	2,535681E+22	2,527323E+22	2,422068E+22	2,248132E+22	2,110050E+22	2,110040E+22	2,248107E+22	2,422031E+22
1267	2,527275E+22	2,535641E+22	2,502815E+22	2,502791E+22	2,535585E+22	2,527215E+22	2,422013E+22	2,248142E+22	2,110097E+22	2,110090E+22	2,248124E+22	2,422003E+22
1268	2,527224E+22	2,535575E+22	2,502729E+22	2,502738E+22	2,535585E+22	2,527237E+22	2,422038E+22	2,248173E+22	2,110135E+22	2,110123E+22	2,248130E+22	2,421986E+22
1269	2,527228E+22	2,535654E+22	2,502870E+22	2,502878E+22	2,535696E+22	2,527299E+22	2,422052E+22	2,248173E+22	2,110150E+22	2,110160E+22	2,248190E+22	2,422047E+22
1270	2,527244E+22	2,535605E+22	2,502780E+22	2,502763E+22	2,535582E+22	2,527215E+22	2,422006E+22	2,248155E+22	2,110143E+22	2,110151E+22	2,248177E+22	2,422029E+22
1271	2,527217E+22	2,535569E+22	2,502773E+22	2,502811E+22	2,535647E+22	2,527275E+22	2,422054E+22	2,248177E+22	2,110137E+22	2,110130E+22	2,248164E+22	2,422060E+22
1272	2,527305E+22	2,535676E+22	2,502850E+22	2,502858E+22	2,535672E+22	2,527267E+22	2,422030E+22	2,248159E+22	2,110136E+22	2,110148E+22	2,248189E+22	2,422062E+22
1273	2,527272E+22	2,535618E+22	2,502747E+22	2,502703E+22	2,535544E+22	2,527217E+22	2,422032E+22	2,248166E+22	2,110117E+22	2,110101E+22	2,248124E+22	2,421995E+22
1274	2,527219E+22	2,535622E+22	2,502847E+22	2,502850E+22	2,535656E+22	2,527286E+22	2,422062E+22	2,248167E+22	2,110106E+22	2,110087E+22	2,248119E+22	2,422015E+22
1275	2,527269E+22	2,535660E+22	2,502854E+22	2,502845E+22	2,535626E+22	2,527208E+22	2,421980E+22	2,248120E+22	2,110096E+22	2,110102E+22	2,248135E+22	2,421998E+22
1276	2,527206E+22	2,535559E+22	2,502712E+22	2,502722E+22	2,535593E+22	2,527236E+22	2,422002E+22	2,248112E+22	2,110073E+22	2,110079E+22	2,248113E+22	2,421982E+22
1277	2,527199E+22	2,535593E+22	2,502808E+22	2,502830E+22	2,535687E+22	2,527321E+22	2,422053E+22	2,248118E+22	2,110048E+22	2,110055E+22	2,248129E+22	2,422043E+22
1278	2,527259E+22	2,535591E+22	2,502743E+22	2,502727E+22	2,535558E+22	2,527209E+22	2,421999E+22	2,248105E+22	2,110038E+22	2,110029E+22	2,248088E+22	2,421995E+22
1279	2,527219E+22	2,535551E+22	2,502703E+22	2,502721E+22	2,535575E+22	2,527227E+22	2,422018E+22	2,248123E+22	2,110046E+22	2,110021E+22	2,248069E+22	2,421993E+22
1280	2,527265E+22	2,535655E+22	2,502822E+22	2,502814E+22	2,535640E+22	2,527242E+22	2,421992E+22	2,248098E+22	2,110052E+22	2,110064E+22	2,248124E+22	2,422018E+22
1281	2,527241E+22	2,535599E+22	2,502741E+22	2,502692E+22	2,535524E+22	2,527186E+22	2,421979E+22	2,248092E+22	2,110039E+22	2,110043E+22	2,248095E+22	2,421976E+22
1282	2,527180E+22	2,535555E+22	2,502781E+22	2,502813E+22	2,535645E+22	2,527274E+22	2,422031E+22	2,248117E+22	2,110052E+22	2,110048E+22	2,248105E+22	2,422018E+22
1283	2,527269E+22	2,535645E+22	2,502828E+22	2,502838E+22	2,535650E+22	2,527239E+22	2,421991E+22	2,248105E+22	2,110070E+22	2,110085E+22	2,248139E+22	2,422025E+22
1284	2,527241E+22	2,535580E+22	2,502709E+22	2,502697E+22	2,535569E+22	2,527231E+22	2,422019E+22	2,248145E+22	2,110107E+22	2,110102E+22	2,248122E+22	2,421986E+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°
1285	2,527209E+22	2,535608E+22	2,502827E+22	2,502834E+22	2,535671E+22	2,527317E+22	2,422087E+22	2,248193E+22	2,110143E+22	2,110128E+22	2,248155E+22	2,422040E+22
1286	2,527273E+22	2,535648E+22	2,502834E+22	2,502813E+22	2,535593E+22	2,527205E+22	2,422016E+22	2,248183E+22	2,110172E+22	2,110165E+22	2,248168E+22	2,422006E+22
1287	2,527206E+22	2,535572E+22	2,502763E+22	2,502781E+22	2,535604E+22	2,527228E+22	2,422032E+22	2,248204E+22	2,110197E+22	2,110187E+22	2,248183E+22	2,422025E+22
1288	2,527241E+22	2,535644E+22	2,502868E+22	2,502888E+22	2,535706E+22	2,527296E+22	2,422045E+22	2,248187E+22	2,110196E+22	2,110222E+22	2,248246E+22	2,422089E+22
1289	2,527279E+22	2,535632E+22	2,502799E+22	2,502764E+22	2,535569E+22	2,527219E+22	2,422035E+22	2,248194E+22	2,110183E+22	2,110188E+22	2,248198E+22	2,422037E+22
1290	2,527225E+22	2,535585E+22	2,502795E+22	2,502823E+22	2,535645E+22	2,527276E+22	2,422074E+22	2,248224E+22	2,110196E+22	2,110174E+22	2,248175E+22	2,422045E+22
1291	2,527298E+22	2,535707E+22	2,502900E+22	2,502882E+22	2,535667E+22	2,527247E+22	2,422020E+22	2,248184E+22	2,110187E+22	2,110190E+22	2,248196E+22	2,422042E+22
1292	2,527256E+22	2,535632E+22	2,502796E+22	2,502751E+22	2,535561E+22	2,527206E+22	2,422013E+22	2,248181E+22	2,110179E+22	2,110175E+22	2,248160E+22	2,421983E+22
1293	2,527182E+22	2,535587E+22	2,502843E+22	2,502874E+22	2,535685E+22	2,527303E+22	2,422073E+22	2,248196E+22	2,110163E+22	2,110154E+22	2,248169E+22	2,422035E+22
1294	2,527261E+22	2,535636E+22	2,502837E+22	2,502852E+22	2,535651E+22	2,527235E+22	2,422002E+22	2,248145E+22	2,110131E+22	2,110140E+22	2,248163E+22	2,422010E+22
1295	2,527204E+22	2,535550E+22	2,502714E+22	2,502728E+22	2,535590E+22	2,527242E+22	2,422027E+22	2,248158E+22	2,110120E+22	2,110109E+22	2,248137E+22	2,422012E+22
1296	2,527227E+22	2,535602E+22	2,502801E+22	2,502813E+22	2,535665E+22	2,527303E+22	2,422053E+22	2,248152E+22	2,110108E+22	2,110111E+22	2,248160E+22	2,422058E+22
1297	2,527286E+22	2,535631E+22	2,502778E+22	2,502726E+22	2,535524E+22	2,527187E+22	2,422010E+22	2,248145E+22	2,110098E+22	2,110086E+22	2,248112E+22	2,421985E+22
1298	2,527203E+22	2,535556E+22	2,502739E+22	2,502758E+22	2,535581E+22	2,527212E+22	2,422012E+22	2,248155E+22	2,110111E+22	2,110089E+22	2,248108E+22	2,421989E+22
1299	2,527245E+22	2,535660E+22	2,502858E+22	2,502854E+22	2,535661E+22	2,527233E+22	2,421970E+22	2,248102E+22	2,110093E+22	2,110115E+22	2,248162E+22	2,422033E+22
1300	2,527241E+22	2,535603E+22	2,502768E+22	2,502729E+22	2,535552E+22	2,527202E+22	2,421979E+22	2,248105E+22	2,110088E+22	2,110107E+22	2,248136E+22	2,421991E+22
1301	2,527180E+22	2,535542E+22	2,502773E+22	2,502814E+22	2,535652E+22	2,527296E+22	2,422069E+22	2,248171E+22	2,110115E+22	2,110103E+22	2,248137E+22	2,422032E+22
1302	2,527283E+22	2,535658E+22	2,502836E+22	2,502844E+22	2,535652E+22	2,527246E+22	2,422017E+22	2,248160E+22	2,110140E+22	2,110136E+22	2,248151E+22	2,422009E+22
1303	2,527229E+22	2,535598E+22	2,502755E+22	2,502734E+22	2,535567E+22	2,527218E+22	2,422031E+22	2,248201E+22	2,110189E+22	2,110168E+22	2,248154E+22	2,421993E+22
1304	2,527203E+22	2,535605E+22	2,502842E+22	2,502858E+22	2,535673E+22	2,527294E+22	2,422072E+22	2,248225E+22	2,110223E+22	2,110221E+22	2,248217E+22	2,422058E+22
1305	2,527272E+22	2,535654E+22	2,502857E+22	2,502835E+22	2,535600E+22	2,527211E+22	2,422030E+22	2,248216E+22	2,110233E+22	2,110239E+22	2,248223E+22	2,422025E+22
1306	2,527196E+22	2,535558E+22	2,502771E+22	2,502805E+22	2,535624E+22	2,527244E+22	2,422052E+22	2,248239E+22	2,110253E+22	2,110247E+22	2,248228E+22	2,422046E+22
1307	2,527252E+22	2,535661E+22	2,502887E+22	2,502896E+22	2,535702E+22	2,527290E+22	2,422050E+22	2,248216E+22	2,110240E+22	2,110262E+22	2,248269E+22	2,422104E+22
1308	2,527302E+22	2,535668E+22	2,502840E+22	2,502791E+22	2,535573E+22	2,527215E+22	2,422034E+22	2,248223E+22	2,110247E+22	2,110250E+22	2,248222E+22	2,422030E+22
1309	2,527219E+22	2,535593E+22	2,502817E+22	2,502839E+22	2,535642E+22	2,527272E+22	2,422088E+22	2,248265E+22	2,110262E+22	2,110237E+22	2,248205E+22	2,422038E+22
1310	2,527283E+22	2,535705E+22	2,502918E+22	2,502917E+22	2,535689E+22	2,527250E+22	2,422023E+22	2,248211E+22	2,110238E+22	2,110242E+22	2,248221E+22	2,422032E+22
1311	2,527228E+22	2,535617E+22	2,502817E+22	2,502795E+22	2,535592E+22	2,527218E+22	2,422017E+22	2,248204E+22	2,110223E+22	2,110219E+22	2,248200E+22	2,422013E+22
1312	2,527185E+22	2,535560E+22	2,502812E+22	2,502862E+22	2,535685E+22	2,527309E+22	2,422081E+22	2,248217E+22	2,110205E+22	2,110207E+22	2,248214E+22	2,422066E+22
1313	2,527285E+22	2,535650E+22	2,502834E+22	2,502832E+22	2,535621E+22	2,527236E+22	2,422039E+22	2,248192E+22	2,110177E+22	2,110177E+22	2,248182E+22	2,422015E+22
1314	2,527210E+22	2,535565E+22	2,502730E+22	2,502729E+22	2,535569E+22	2,527224E+22	2,422036E+22	2,248202E+22	2,110182E+22	2,110159E+22	2,248152E+22	2,421998E+22
1315	2,527225E+22	2,535637E+22	2,502847E+22	2,502831E+22	2,535641E+22	2,527263E+22	2,422028E+22	2,248167E+22	2,110158E+22	2,110162E+22	2,248181E+22	2,422049E+22
1316	2,527278E+22	2,535655E+22	2,502832E+22	2,502782E+22	2,535543E+22	2,527169E+22	2,421978E+22	2,248148E+22	2,110153E+22	2,110159E+22	2,248153E+22	2,421982E+22
1317	2,527178E+22	2,535537E+22	2,502746E+22	2,502790E+22	2,535614E+22	2,527233E+22	2,422022E+22	2,248175E+22	2,110158E+22	2,110149E+22	2,248154E+22	2,422007E+22
1318	2,527242E+22	2,535647E+22	2,502857E+22	2,502880E+22	2,535695E+22	2,527266E+22	2,422000E+22	2,248135E+22	2,110133E+22	2,110152E+22	2,248182E+22	2,422037E+22
1319	2,527240E+22	2,535606E+22	2,502785E+22	2,502758E+22	2,535569E+22	2,527220E+22	2,422015E+22	2,248164E+22	2,110151E+22	2,110149E+22	2,248162E+22	2,422010E+22
1320	2,527193E+22	2,535546E+22	2,502768E+22	2,502808E+22	2,535641E+22	2,527292E+22	2,422089E+22	2,248228E+22	2,110201E+22	2,110182E+22	2,248178E+22	2,422038E+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	2,527288E+22	2,535684E+22	2,502870E+22	2,502852E+22	2,535626E+22	2,527235E+22	2,422046E+22	2,248219E+22	2,110224E+22	2,110219E+22	2,248196E+22	2,422005E+22
1322	2,527204E+22	2,535591E+22	2,502782E+22	2,502771E+22	2,535575E+22	2,527204E+22	2,422030E+22	2,248244E+22	2,110273E+22	2,110260E+22	2,248216E+22	2,422004E+22
1323	2,527193E+22	2,535613E+22	2,502864E+22	2,502881E+22	2,535681E+22	2,527282E+22	2,422052E+22	2,248232E+22	2,110273E+22	2,110290E+22	2,248276E+22	2,422094E+22
1324	2,527292E+22	2,535671E+22	2,502878E+22	2,502858E+22	2,535613E+22	2,527213E+22	2,422022E+22	2,248228E+22	2,110282E+22	2,110303E+22	2,248270E+22	2,422053E+22
1325	2,527216E+22	2,535568E+22	2,502773E+22	2,502806E+22	2,535624E+22	2,527253E+22	2,422077E+22	2,248281E+22	2,110304E+22	2,110291E+22	2,248255E+22	2,422063E+22
1326	2,527274E+22	2,535690E+22	2,502914E+22	2,502919E+22	2,535704E+22	2,527284E+22	2,422061E+22	2,248252E+22	2,110289E+22	2,110293E+22	2,248265E+22	2,422080E+22
1327	2,527287E+22	2,535687E+22	2,502892E+22	2,502844E+22	2,535585E+22	2,527205E+22	2,422040E+22	2,248260E+22	2,110301E+22	2,110292E+22	2,248240E+22	2,422023E+22
1328	2,527197E+22	2,535581E+22	2,502825E+22	2,502866E+22	2,535658E+22	2,527270E+22	2,422086E+22	2,248291E+22	2,110321E+22	2,110305E+22	2,248248E+22	2,422039E+22
1329	2,527263E+22	2,535698E+22	2,502926E+22	2,502927E+22	2,535696E+22	2,527271E+22	2,422055E+22	2,248244E+22	2,110285E+22	2,110295E+22	2,248257E+22	2,422036E+22
1330	2,527205E+22	2,535591E+22	2,502807E+22	2,502802E+22	2,535600E+22	2,527232E+22	2,422048E+22	2,248249E+22	2,110279E+22	2,110272E+22	2,248233E+22	2,422022E+22
1331	2,527192E+22	2,535574E+22	2,502811E+22	2,502848E+22	2,535661E+22	2,527290E+22	2,422082E+22	2,248247E+22	2,110254E+22	2,110250E+22	2,248239E+22	2,422080E+22
1332	2,527305E+22	2,535683E+22	2,502861E+22	2,502841E+22	2,535604E+22	2,527210E+22	2,422024E+22	2,248217E+22	2,110243E+22	2,110243E+22	2,248213E+22	2,422015E+22
1333	2,527206E+22	2,535576E+22	2,502752E+22	2,502745E+22	2,535560E+22	2,527205E+22	2,422034E+22	2,248230E+22	2,110239E+22	2,110222E+22	2,248193E+22	2,422005E+22
1334	2,527217E+22	2,535641E+22	2,502875E+22	2,502879E+22	2,535663E+22	2,527251E+22	2,422013E+22	2,248178E+22	2,110197E+22	2,110210E+22	2,248212E+22	2,422049E+22
1335	2,527260E+22	2,535651E+22	2,502861E+22	2,502838E+22	2,535586E+22	2,527189E+22	2,421984E+22	2,248161E+22	2,110184E+22	2,110198E+22	2,248195E+22	2,422014E+22
1336	2,527184E+22	2,535526E+22	2,502731E+22	2,502792E+22	2,535628E+22	2,527254E+22	2,422047E+22	2,248207E+22	2,110205E+22	2,110201E+22	2,248192E+22	2,422027E+22
1337	2,527257E+22	2,535667E+22	2,502867E+22	2,502872E+22	2,535680E+22	2,527284E+22	2,422054E+22	2,248198E+22	2,110195E+22	2,110198E+22	2,248198E+22	2,422030E+22
1338	2,527233E+22	2,535616E+22	2,502807E+22	2,502776E+22	2,535565E+22	2,527213E+22	2,422040E+22	2,248230E+22	2,110240E+22	2,110222E+22	2,248187E+22	2,421993E+22
1339	2,527182E+22	2,535570E+22	2,502799E+22	2,502824E+22	2,535623E+22	2,527258E+22	2,422076E+22	2,248263E+22	2,110277E+22	2,110263E+22	2,248226E+22	2,422043E+22
1340	2,527277E+22	2,535694E+22	2,502907E+22	2,502898E+22	2,535644E+22	2,527219E+22	2,422024E+22	2,248241E+22	2,110300E+22	2,110312E+22	2,248261E+22	2,422024E+22
1341	2,527191E+22	2,535576E+22	2,502785E+22	2,502791E+22	2,535593E+22	2,527215E+22	2,422040E+22	2,248268E+22	2,110325E+22	2,110328E+22	2,248276E+22	2,422041E+22
1342	2,527206E+22	2,535612E+22	2,502870E+22	2,502902E+22	2,535694E+22	2,527289E+22	2,422068E+22	2,248261E+22	2,110312E+22	2,110328E+22	2,248301E+22	2,422109E+22
1343	2,527306E+22	2,535695E+22	2,502909E+22	2,502892E+22	2,535630E+22	2,527221E+22	2,422042E+22	2,248268E+22	2,110328E+22	2,110336E+22	2,248291E+22	2,422070E+22
1344	2,527231E+22	2,535590E+22	2,502786E+22	2,502809E+22	2,535616E+22	2,527246E+22	2,422089E+22	2,248324E+22	2,110373E+22	2,110353E+22	2,248281E+22	2,422055E+22
1345	2,527269E+22	2,535715E+22	2,502956E+22	2,502939E+22	2,535692E+22	2,527283E+22	2,422092E+22	2,248303E+22	2,110356E+22	2,110353E+22	2,248290E+22	2,422061E+22
1346	2,527250E+22	2,535671E+22	2,502915E+22	2,502890E+22	2,535613E+22	2,527204E+22	2,422047E+22	2,248301E+22	2,110372E+22	2,110364E+22	2,248280E+22	2,422019E+22
1347	2,527175E+22	2,535572E+22	2,502824E+22	2,502873E+22	2,535667E+22	2,527268E+22	2,422081E+22	2,248305E+22	2,110365E+22	2,110363E+22	2,248297E+22	2,422065E+22
1348	2,527266E+22	2,535695E+22	2,502927E+22	2,502932E+22	2,535699E+22	2,527270E+22	2,422057E+22	2,248267E+22	2,110334E+22	2,110350E+22	2,248298E+22	2,422058E+22
1349	2,527214E+22	2,535593E+22	2,502797E+22	2,502785E+22	2,535582E+22	2,527225E+22	2,422065E+22	2,248289E+22	2,110330E+22	2,110317E+22	2,248262E+22	2,422038E+22
1350	2,527208E+22	2,535596E+22	2,502836E+22	2,502861E+22	2,535646E+22	2,527260E+22	2,422074E+22	2,248272E+22	2,110300E+22	2,110288E+22	2,248248E+22	2,422068E+22
1351	2,527298E+22	2,535706E+22	2,502912E+22	2,502891E+22	2,535617E+22	2,527191E+22	2,422010E+22	2,248233E+22	2,110282E+22	2,110286E+22	2,248245E+22	2,422026E+22
1352	2,527195E+22	2,535572E+22	2,502764E+22	2,502775E+22	2,535584E+22	2,527205E+22	2,422027E+22	2,248243E+22	2,110283E+22	2,110281E+22	2,248237E+22	2,422019E+22
1353	2,527210E+22	2,535642E+22	2,502892E+22	2,502897E+22	2,535681E+22	2,527282E+22	2,422052E+22	2,248209E+22	2,110233E+22	2,110249E+22	2,248239E+22	2,422055E+22
1354	2,527246E+22	2,535635E+22	2,502863E+22	2,502861E+22	2,535612E+22	2,527214E+22	2,422027E+22	2,248217E+22	2,110244E+22	2,110246E+22	2,248217E+22	2,422014E+22
1355	2,527190E+22	2,535547E+22	2,502737E+22	2,502785E+22	2,535617E+22	2,527249E+22	2,422066E+22	2,248256E+22	2,110272E+22	2,110258E+22	2,248221E+22	2,422032E+22
1356	2,527261E+22	2,535692E+22	2,502896E+22	2,502883E+22	2,535668E+22	2,527263E+22	2,422053E+22	2,248246E+22	2,110285E+22	2,110282E+22	2,248238E+22	2,422027E+22

1 Longitude $\odot$	2	3	4	5	6	7	8	9	10	11	12	13
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
1357	2,527216E+22	2,535616E+22	2,502824E+22	2,502790E+22	2,535558E+22	2,527195E+22	2,422046E+22	2,248278E+22	2,110323E+22	2,110311E+22	2,248248E+22	2,422011E+22
1358	2,527174E+22	2,535566E+22	2,502822E+22	2,502864E+22	2,535637E+22	2,527235E+22	2,422056E+22	2,248280E+22	2,110333E+22	2,110330E+22	2,248275E+22	2,422064E+22
1359	2,527272E+22	2,535693E+22	2,502928E+22	2,502936E+22	2,535672E+22	2,527226E+22	2,422023E+22	2,248254E+22	2,110335E+22	2,110362E+22	2,248317E+22	2,422072E+22
1360	2,527213E+22	2,535582E+22	2,502783E+22	2,502790E+22	2,535595E+22	2,527223E+22	2,422059E+22	2,248300E+22	2,110370E+22	2,110377E+22	2,248314E+22	2,422067E+22
1361	2,527235E+22	2,535652E+22	2,502902E+22	2,502904E+22	2,535678E+22	2,527293E+22	2,422105E+22	2,248312E+22	2,110367E+22	2,110365E+22	2,248307E+22	2,422094E+22
1362	2,527298E+22	2,535715E+22	2,502952E+22	2,502930E+22	2,535641E+22	2,527216E+22	2,422060E+22	2,248325E+22	2,110406E+22	2,110397E+22	2,248300E+22	2,422037E+22
1363	2,527211E+22	2,535613E+22	2,502826E+22	2,502840E+22	2,535622E+22	2,527227E+22	2,422078E+22	2,248352E+22	2,110438E+22	2,110423E+22	2,248316E+22	2,422045E+22
1364	2,527237E+22	2,535706E+22	2,502983E+22	2,502982E+22	2,535723E+22	2,527282E+22	2,422081E+22	2,248330E+22	2,110427E+22	2,110430E+22	2,248338E+22	2,422067E+22
1365	2,527221E+22	2,535637E+22	2,502900E+22	2,502897E+22	2,535634E+22	2,527227E+22	2,422073E+22	2,248338E+22	2,110426E+22	2,110426E+22	2,248333E+22	2,422051E+22
1366	2,527178E+22	2,535555E+22	2,502813E+22	2,502874E+22	2,535665E+22	2,527265E+22	2,422097E+22	2,248339E+22	2,110407E+22	2,110400E+22	2,248323E+22	2,422084E+22
1367	2,527280E+22	2,535707E+22	2,502940E+22	2,502940E+22	2,535698E+22	2,527266E+22	2,422068E+22	2,248301E+22	2,110376E+22	2,110388E+22	2,248331E+22	2,422085E+22
1368	2,527233E+22	2,535614E+22	2,502810E+22	2,502777E+22	2,535561E+22	2,527205E+22	2,422065E+22	2,248318E+22	2,110385E+22	2,110375E+22	2,248297E+22	2,422047E+22
1369	2,527214E+22	2,535626E+22	2,502879E+22	2,502879E+22	2,535634E+22	2,527246E+22	2,422081E+22	2,248300E+22	2,110348E+22	2,110337E+22	2,248274E+22	2,422063E+22
1370	2,527276E+22	2,535700E+22	2,502942E+22	2,502942E+22	2,535657E+22	2,527196E+22	2,422009E+22	2,248257E+22	2,110333E+22	2,110340E+22	2,248274E+22	2,422026E+22
1371	2,527192E+22	2,535579E+22	2,502771E+22	2,502784E+22	2,535600E+22	2,527212E+22	2,422028E+22	2,248255E+22	2,110318E+22	2,110324E+22	2,248272E+22	2,422039E+22
1372	2,527216E+22	2,535647E+22	2,502903E+22	2,502909E+22	2,535692E+22	2,527289E+22	2,422070E+22	2,248253E+22	2,110292E+22	2,110294E+22	2,248260E+22	2,422060E+22
1373	2,527245E+22	2,535639E+22	2,502866E+22	2,502854E+22	2,535604E+22	2,527213E+22	2,422055E+22	2,248277E+22	2,110314E+22	2,110300E+22	2,248241E+22	2,422014E+22
1374	2,527185E+22	2,535555E+22	2,502765E+22	2,502801E+22	2,535601E+22	2,527219E+22	2,422064E+22	2,248298E+22	2,110342E+22	2,110319E+22	2,248243E+22	2,422020E+22
1375	2,527241E+22	2,535696E+22	2,502936E+22	2,502929E+22	2,535686E+22	2,527250E+22	2,422045E+22	2,248272E+22	2,110342E+22	2,110352E+22	2,248295E+22	2,422049E+22
1376	2,527203E+22	2,535606E+22	2,502830E+22	2,502807E+22	2,535573E+22	2,527191E+22	2,422039E+22	2,248299E+22	2,110383E+22	2,110389E+22	2,248311E+22	2,422043E+22
1377	2,527180E+22	2,535574E+22	2,502842E+22	2,502873E+22	2,535644E+22	2,527252E+22	2,422084E+22	2,248314E+22	2,110381E+22	2,110381E+22	2,248314E+22	2,422085E+22
1378	2,527278E+22	2,535696E+22	2,502945E+22	2,502963E+22	2,535694E+22	2,527238E+22	2,422051E+22	2,248307E+22	2,110399E+22	2,110413E+22	2,248337E+22	2,422076E+22
1379	2,527233E+22	2,535620E+22	2,502809E+22	2,502795E+22	2,535589E+22	2,527213E+22	2,422067E+22	2,248342E+22	2,110435E+22	2,110433E+22	2,248337E+22	2,422068E+22
1380	2,527237E+22	2,535680E+22	2,502949E+22	2,502937E+22	2,535682E+22	2,527278E+22	2,422108E+22	2,248362E+22	2,110451E+22	2,110437E+22	2,248336E+22	2,422080E+22
1381	2,527269E+22	2,535708E+22	2,502975E+22	2,502960E+22	2,535657E+22	2,527214E+22	2,422072E+22	2,248372E+22	2,110483E+22	2,110476E+22	2,248350E+22	2,422043E+22
1382	2,527184E+22	2,535590E+22	2,502842E+22	2,502877E+22	2,535646E+22	2,527225E+22	2,422073E+22	2,248374E+22	2,110492E+22	2,110486E+22	2,248362E+22	2,422063E+22
1383	2,527226E+22	2,535685E+22	2,502983E+22	2,503002E+22	2,535751E+22	2,527302E+22	2,422094E+22	2,248348E+22	2,110457E+22	2,110478E+22	2,248394E+22	2,422112E+22
1384	2,527239E+22	2,535631E+22	2,502879E+22	2,502872E+22	2,535619E+22	2,527228E+22	2,422093E+22	2,248377E+22	2,110476E+22	2,110474E+22	2,248371E+22	2,422082E+22
1385	2,527212E+22	2,535591E+22	2,502836E+22	2,502858E+22	2,535632E+22	2,527251E+22	2,422115E+22	2,248382E+22	2,110458E+22	2,110435E+22	2,248332E+22	2,422080E+22
1386	2,527282E+22	2,535728E+22	2,502978E+22	2,502966E+22	2,535695E+22	2,527244E+22	2,422066E+22	2,248339E+22	2,110439E+22	2,110440E+22	2,248340E+22	2,422065E+22
1387	2,527230E+22	2,535643E+22	2,502853E+22	2,502808E+22	2,535565E+22	2,527180E+22	2,422040E+22	2,248326E+22	2,110428E+22	2,110427E+22	2,248328E+22	2,422047E+22
1388	2,527199E+22	2,535630E+22	2,502915E+22	2,502924E+22	2,535665E+22	2,527244E+22	2,422066E+22	2,248313E+22	2,110394E+22	2,110386E+22	2,248304E+22	2,422064E+22
1389	2,527254E+22	2,535676E+22	2,502937E+22	2,502954E+22	2,535685E+22	2,527226E+22	2,422039E+22	2,248293E+22	2,110377E+22	2,110384E+22	2,248304E+22	2,422040E+22
1390	2,527188E+22	2,535566E+22	2,502777E+22	2,502798E+22	2,535608E+22	2,527216E+22	2,422047E+22	2,248296E+22	2,110366E+22	2,110359E+22	2,248284E+22	2,422039E+22
1391	2,527213E+22	2,535647E+22	2,502915E+22	2,502919E+22	2,535697E+22	2,527291E+22	2,422088E+22	2,248296E+22	2,110349E+22	2,110348E+22	2,248295E+22	2,422070E+22
1392	2,527242E+22	2,535642E+22	2,502876E+22	2,502848E+22	2,535584E+22	2,527198E+22	2,422065E+22	2,248327E+22	2,110395E+22	2,110382E+22	2,248290E+22	2,422026E+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°
1393	2,527181E+22	2,535569E+22	2,502801E+22	2,502816E+22	2,535590E+22	2,527202E+22	2,422065E+22	2,248335E+22	2,110410E+22	2,110392E+22	2,248292E+22	2,422031E+22
1394	2,527225E+22	2,535683E+22	2,502956E+22	2,502966E+22	2,535716E+22	2,527252E+22	2,422042E+22	2,248299E+22	2,110407E+22	2,110425E+22	2,248342E+22	2,422070E+22
1395	2,527220E+22	2,535621E+22	2,502841E+22	2,502815E+22	2,535581E+22	2,527193E+22	2,422036E+22	2,248311E+22	2,110422E+22	2,110443E+22	2,248358E+22	2,422077E+22
1396	2,527205E+22	2,535599E+22	2,502869E+22	2,502891E+22	2,535649E+22	2,527246E+22	2,422091E+22	2,248356E+22	2,110442E+22	2,110428E+22	2,248335E+22	2,422091E+22
1397	2,527286E+22	2,535714E+22	2,502969E+22	2,502974E+22	2,535699E+22	2,527242E+22	2,422076E+22	2,248364E+22	2,110472E+22	2,110469E+22	2,248357E+22	2,422069E+22
1398	2,527224E+22	2,535632E+22	2,502858E+22	2,502838E+22	2,535594E+22	2,527195E+22	2,422067E+22	2,248382E+22	2,110504E+22	2,110492E+22	2,248357E+22	2,422050E+22
1399	2,527208E+22	2,535672E+22	2,502986E+22	2,502991E+22	2,535719E+22	2,527285E+22	2,422111E+22	2,248392E+22	2,110507E+22	2,110507E+22	2,248390E+22	2,422091E+22
1400	2,527246E+22	2,535684E+22	2,502972E+22	2,502971E+22	2,535676E+22	2,527232E+22	2,422089E+22	2,248408E+22	2,110546E+22	2,110551E+22	2,248410E+22	2,422073E+22
1401	2,527187E+22	2,535584E+22	2,502843E+22	2,502868E+22	2,535643E+22	2,527247E+22	2,422109E+22	2,248417E+22	2,110544E+22	2,110536E+22	2,248398E+22	2,422084E+22
1402	2,527234E+22	2,535682E+22	2,502984E+22	2,503005E+22	2,535754E+22	2,527308E+22	2,422119E+22	2,248401E+22	2,110523E+22	2,110528E+22	2,248411E+22	2,422120E+22
1403	2,527271E+22	2,535670E+22	2,502896E+22	2,502859E+22	2,535590E+22	2,527200E+22	2,422084E+22	2,248404E+22	2,110532E+22	2,110529E+22	2,248398E+22	2,422089E+22
1404	2,527225E+22	2,535625E+22	2,502884E+22	2,502886E+22	2,535621E+22	2,527214E+22	2,422095E+22	2,248413E+22	2,110524E+22	2,110493E+22	2,248357E+22	2,422072E+22
1405	2,527265E+22	2,535729E+22	2,503007E+22	2,503002E+22	2,535711E+22	2,527232E+22	2,422055E+22	2,248361E+22	2,110491E+22	2,110497E+22	2,248377E+22	2,422069E+22
1406	2,527207E+22	2,535623E+22	2,502877E+22	2,502851E+22	2,535591E+22	2,527180E+22	2,422027E+22	2,248328E+22	2,110456E+22	2,110465E+22	2,248354E+22	2,422054E+22
1407	2,527189E+22	2,535612E+22	2,502919E+22	2,502948E+22	2,535700E+22	2,527277E+22	2,422088E+22	2,248327E+22	2,110412E+22	2,110417E+22	2,248338E+22	2,422084E+22
1408	2,527259E+22	2,535671E+22	2,502924E+22	2,502936E+22	2,535676E+22	2,527238E+22	2,422070E+22	2,248341E+22	2,110432E+22	2,110428E+22	2,248327E+22	2,422049E+22
1409	2,527201E+22	2,535589E+22	2,502798E+22	2,502786E+22	2,535583E+22	2,527213E+22	2,422071E+22	2,248350E+22	2,110435E+22	2,110411E+22	2,248298E+22	2,422026E+22
1410	2,527201E+22	2,535649E+22	2,502941E+22	2,502946E+22	2,535699E+22	2,527278E+22	2,422091E+22	2,248344E+22	2,110431E+22	2,110422E+22	2,248319E+22	2,422058E+22
1411	2,527237E+22	2,535653E+22	2,502898E+22	2,502868E+22	2,535585E+22	2,527175E+22	2,422043E+22	2,248343E+22	2,110457E+22	2,110460E+22	2,248348E+22	2,422047E+22
1412	2,527178E+22	2,535570E+22	2,502828E+22	2,502852E+22	2,535609E+22	2,527194E+22	2,422053E+22	2,248358E+22	2,110468E+22	2,110456E+22	2,248341E+22	2,422056E+22
1413	2,527226E+22	2,535674E+22	2,502958E+22	2,502978E+22	2,535729E+22	2,527269E+22	2,422067E+22	2,248340E+22	2,110460E+22	2,110480E+22	2,248384E+22	2,422096E+22
1414	2,527232E+22	2,535629E+22	2,502869E+22	2,502841E+22	2,535585E+22	2,527191E+22	2,422048E+22	2,248349E+22	2,110476E+22	2,110484E+22	2,248374E+22	2,422079E+22
1415	2,527216E+22	2,535623E+22	2,502905E+22	2,502920E+22	2,535665E+22	2,527258E+22	2,422109E+22	2,248393E+22	2,110498E+22	2,110486E+22	2,248368E+22	2,422090E+22
1416	2,527279E+22	2,535726E+22	2,502995E+22	2,502989E+22	2,535696E+22	2,527240E+22	2,422093E+22	2,248419E+22	2,110556E+22	2,110550E+22	2,248401E+22	2,422072E+22
1417	2,527213E+22	2,535639E+22	2,502893E+22	2,502867E+22	2,535604E+22	2,527199E+22	2,422078E+22	2,248426E+22	2,110579E+22	2,110567E+22	2,248402E+22	2,422056E+22
1418	2,527187E+22	2,535646E+22	2,502987E+22	2,503021E+22	2,535751E+22	2,527303E+22	2,422126E+22	2,248431E+22	2,110578E+22	2,110580E+22	2,248432E+22	2,422110E+22
1419	2,527261E+22	2,535689E+22	2,502966E+22	2,502963E+22	2,535669E+22	2,527232E+22	2,422098E+22	2,248435E+22	2,110595E+22	2,110609E+22	2,248459E+22	2,422108E+22
1420	2,527215E+22	2,535610E+22	2,502865E+22	2,502871E+22	2,535621E+22	2,527218E+22	2,422107E+22	2,248460E+22	2,110604E+22	2,110581E+22	2,248419E+22	2,422090E+22
1421	2,527244E+22	2,535703E+22	2,503003E+22	2,503006E+22	2,535733E+22	2,527288E+22	2,422123E+22	2,248441E+22	2,110587E+22	2,110582E+22	2,248432E+22	2,422113E+22
1422	2,527262E+22	2,535686E+22	2,502949E+22	2,502907E+22	2,535590E+22	2,527169E+22	2,422057E+22	2,248412E+22	2,110574E+22	2,110573E+22	2,248414E+22	2,422074E+22
1423	2,527204E+22	2,535624E+22	2,502919E+22	2,502942E+22	2,535661E+22	2,527220E+22	2,422079E+22	2,248407E+22	2,110547E+22	2,110541E+22	2,248398E+22	2,422077E+22
1424	2,527244E+22	2,535708E+22	2,503004E+22	2,503016E+22	2,535736E+22	2,527261E+22	2,422074E+22	2,248384E+22	2,110531E+22	2,110544E+22	2,248415E+22	2,422088E+22
1425	2,527207E+22	2,535618E+22	2,502879E+22	2,502855E+22	2,535600E+22	2,527212E+22	2,422065E+22	2,248369E+22	2,110498E+22	2,110497E+22	2,248370E+22	2,422058E+22
1426	2,527186E+22	2,535600E+22	2,502911E+22	2,502954E+22	2,535709E+22	2,527295E+22	2,422124E+22	2,248388E+22	2,110482E+22	2,110466E+22	2,248344E+22	2,422075E+22
1427	2,527271E+22	2,535692E+22	2,502933E+22	2,502923E+22	2,535649E+22	2,527222E+22	2,422077E+22	2,248381E+22	2,110501E+22	2,110496E+22	2,248364E+22	2,422053E+22
1428	2,527201E+22	2,535608E+22	2,502835E+22	2,502809E+22	2,535563E+22	2,527173E+22	2,422060E+22	2,248394E+22	2,110514E+22	2,110487E+22	2,248341E+22	2,422028E+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°
1429	2,527185E+22	2,535642E+22	2,502954E+22	2,502968E+22	2,535705E+22	2,527265E+22	2,422083E+22	2,248374E+22	2,110499E+22	2,110501E+22	2,248379E+22	2,422082E+22
1430	2,527230E+22	2,535644E+22	2,502919E+22	2,502904E+22	2,535601E+22	2,527169E+22	2,422026E+22	2,248345E+22	2,110493E+22	2,110513E+22	2,248393E+22	2,422076E+22
1431	2,527195E+22	2,535577E+22	2,502842E+22	2,502878E+22	2,535634E+22	2,527214E+22	2,422066E+22	2,248369E+22	2,110493E+22	2,110498E+22	2,248383E+22	2,422083E+22
1432	2,527249E+22	2,535695E+22	2,502970E+22	2,502976E+22	2,535720E+22	2,527275E+22	2,422094E+22	2,248392E+22	2,110523E+22	2,110529E+22	2,248407E+22	2,422103E+22
1433	2,527248E+22	2,535665E+22	2,502913E+22	2,502860E+22	2,535579E+22	2,527193E+22	2,422071E+22	2,248404E+22	2,110550E+22	2,110541E+22	2,248385E+22	2,422056E+22
1434	2,527195E+22	2,535629E+22	2,502945E+22	2,502970E+22	2,535691E+22	2,527263E+22	2,422125E+22	2,248448E+22	2,110585E+22	2,110563E+22	2,248390E+22	2,422068E+22
1435	2,527261E+22	2,535728E+22	2,503016E+22	2,503016E+22	2,535708E+22	2,527237E+22	2,422089E+22	2,248446E+22	2,110625E+22	2,110633E+22	2,248459E+22	2,422087E+22
1436	2,527199E+22	2,535629E+22	2,502907E+22	2,502895E+22	2,535618E+22	2,527199E+22	2,422088E+22	2,248469E+22	2,110647E+22	2,110636E+22	2,248453E+22	2,422079E+22
1437	2,527185E+22	2,535630E+22	2,502972E+22	2,503020E+22	2,535752E+22	2,527312E+22	2,422152E+22	2,248480E+22	2,110642E+22	2,110641E+22	2,248476E+22	2,422134E+22
1438	2,527269E+22	2,535693E+22	2,502980E+22	2,502972E+22	2,535654E+22	2,527211E+22	2,422095E+22	2,248463E+22	2,110647E+22	2,110656E+22	2,248483E+22	2,422117E+22
1439	2,527229E+22	2,535636E+22	2,502896E+22	2,502893E+22	2,535622E+22	2,527210E+22	2,422104E+22	2,248473E+22	2,110644E+22	2,110636E+22	2,248458E+22	2,422094E+22
1440	2,527241E+22	2,535719E+22	2,503032E+22	2,503023E+22	2,535722E+22	2,527270E+22	2,422120E+22	2,248469E+22	2,110643E+22	2,110644E+22	2,248472E+22	2,422120E+22
1441	2,527253E+22	2,535693E+22	2,502980E+22	2,502944E+22	2,535613E+22	2,527176E+22	2,422055E+22	2,248428E+22	2,110615E+22	2,110620E+22	2,248442E+22	2,422075E+22
1442	2,527187E+22	2,535606E+22	2,502921E+22	2,502974E+22	2,535703E+22	2,527255E+22	2,422101E+22	2,248431E+22	2,110587E+22	2,110581E+22	2,248414E+22	2,422081E+22
1443	2,527254E+22	2,535711E+22	2,502993E+22	2,503005E+22	2,535731E+22	2,527273E+22	2,422097E+22	2,248413E+22	2,110568E+22	2,110582E+22	2,248440E+22	2,422102E+22
1444	2,527222E+22	2,535637E+22	2,502893E+22	2,502858E+22	2,535580E+22	2,527192E+22	2,422084E+22	2,248428E+22	2,110563E+22	2,110540E+22	2,248382E+22	2,422051E+22
1445	2,527182E+22	2,535607E+22	2,502917E+22	2,502951E+22	2,535687E+22	2,527277E+22	2,422136E+22	2,248441E+22	2,110559E+22	2,110534E+22	2,248375E+22	2,422066E+22
1446	2,527247E+22	2,535692E+22	2,502970E+22	2,502960E+22	2,535640E+22	2,527187E+22	2,422054E+22	2,248399E+22	2,110557E+22	2,110562E+22	2,248404E+22	2,422055E+22
1447	2,527186E+22	2,535608E+22	2,502860E+22	2,502853E+22	2,535593E+22	2,527175E+22	2,422043E+22	2,248388E+22	2,110547E+22	2,110553E+22	2,248404E+22	2,422052E+22
1448	2,527180E+22	2,535637E+22	2,502956E+22	2,502975E+22	2,535711E+22	2,527277E+22	2,422098E+22	2,248400E+22	2,110547E+22	2,110560E+22	2,248430E+22	2,422116E+22
1449	2,527251E+22	2,535661E+22	2,502935E+22	2,502918E+22	2,535613E+22	2,527189E+22	2,422052E+22	2,248383E+22	2,110540E+22	2,110552E+22	2,248413E+22	2,422084E+22
1450	2,527207E+22	2,535594E+22	2,502860E+22	2,502902E+22	2,535651E+22	2,527231E+22	2,422097E+22	2,248427E+22	2,110566E+22	2,110549E+22	2,248388E+22	2,422072E+22
1451	2,527260E+22	2,535727E+22	2,503001E+22	2,502989E+22	2,535709E+22	2,527266E+22	2,422109E+22	2,248439E+22	2,110599E+22	2,110603E+22	2,248443E+22	2,422100E+22
1452	2,527238E+22	2,535684E+22	2,502963E+22	2,502909E+22	2,535579E+22	2,527164E+22	2,422073E+22	2,248460E+22	2,110635E+22	2,110620E+22	2,248428E+22	2,422051E+22
1453	2,527164E+22	2,535606E+22	2,502947E+22	2,502997E+22	2,535711E+22	2,527267E+22	2,422133E+22	2,248490E+22	2,110665E+22	2,110653E+22	2,248455E+22	2,422085E+22
1454	2,527235E+22	2,535704E+22	2,503024E+22	2,503042E+22	2,535723E+22	2,527241E+22	2,422090E+22	2,248461E+22	2,110671E+22	2,110696E+22	2,248512E+22	2,422118E+22
1455	2,527213E+22	2,535633E+22	2,502909E+22	2,502904E+22	2,535626E+22	2,527208E+22	2,422100E+22	2,248485E+22	2,110681E+22	2,110689E+22	2,248502E+22	2,422108E+22
1456	2,527208E+22	2,535652E+22	2,502979E+22	2,503003E+22	2,535722E+22	2,527297E+22	2,422169E+22	2,248529E+22	2,110706E+22	2,110695E+22	2,248505E+22	2,422148E+22
1457	2,527289E+22	2,535733E+22	2,503020E+22	2,502990E+22	2,535646E+22	2,527196E+22	2,422093E+22	2,248495E+22	2,110703E+22	2,110703E+22	2,248496E+22	2,422103E+22
1458	2,527216E+22	2,535648E+22	2,502935E+22	2,502944E+22	2,535651E+22	2,527210E+22	2,422104E+22	2,248501E+22	2,110699E+22	2,110687E+22	2,248471E+22	2,422081E+22
1459	2,527231E+22	2,535723E+22	2,503052E+22	2,503051E+22	2,535740E+22	2,527275E+22	2,422119E+22	2,248480E+22	2,110681E+22	2,110696E+22	2,248512E+22	2,422132E+22
1460	2,527243E+22	2,535688E+22	2,502996E+22	2,502974E+22	2,535630E+22	2,527183E+22	2,422079E+22	2,248469E+22	2,110660E+22	2,110658E+22	2,248465E+22	2,422079E+22
1461	2,527177E+22	2,535591E+22	2,502904E+22	2,502970E+22	2,535709E+22	2,527273E+22	2,422140E+22	2,248488E+22	2,110648E+22	2,110630E+22	2,248439E+22	2,422082E+22
1462	2,527240E+22	2,535710E+22	2,503005E+22	2,503010E+22	2,535718E+22	2,527259E+22	2,422104E+22	2,248449E+22	2,110624E+22	2,110630E+22	2,248460E+22	2,422099E+22
1463	2,527221E+22	2,535652E+22	2,502915E+22	2,502873E+22	2,535576E+22	2,527179E+22	2,422083E+22	2,248449E+22	2,110617E+22	2,110610E+22	2,248431E+22	2,422057E+22
1464	2,527171E+22	2,535613E+22	2,502933E+22	2,502959E+22	2,535668E+22	2,527248E+22	2,422131E+22	2,248476E+22	2,110629E+22	2,110612E+22	2,248434E+22	2,422091E+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	2,527245E+22	2,535695E+22	2,502986E+22	2,502985E+22	2,535659E+22	2,527185E+22	2,422043E+22	2,248412E+22	2,110603E+22	2,110620E+22	2,248452E+22	2,422079E+22
1466	2,527188E+22	2,535605E+22	2,502870E+22	2,502884E+22	2,535628E+22	2,527201E+22	2,422060E+22	2,248408E+22	2,110585E+22	2,110594E+22	2,248430E+22	2,422075E+22
1467	2,527210E+22	2,535662E+22	2,502967E+22	2,502974E+22	2,535702E+22	2,527274E+22	2,422112E+22	2,248427E+22	2,110586E+22	2,110599E+22	2,248457E+22	2,422132E+22
1468	2,527271E+22	2,535697E+22	2,502974E+22	2,502944E+22	2,535605E+22	2,527169E+22	2,422070E+22	2,248443E+22	2,110608E+22	2,110597E+22	2,248420E+22	2,422067E+22
1469	2,527195E+22	2,535609E+22	2,502889E+22	2,502928E+22	2,535657E+22	2,527226E+22	2,422114E+22	2,248483E+22	2,110650E+22	2,110624E+22	2,248417E+22	2,422048E+22
1470	2,527214E+22	2,535717E+22	2,503040E+22	2,503037E+22	2,535723E+22	2,527249E+22	2,422099E+22	2,248465E+22	2,110664E+22	2,110676E+22	2,248486E+22	2,422097E+22
1471	2,527211E+22	2,535669E+22	2,502977E+22	2,502950E+22	2,535620E+22	2,527182E+22	2,422079E+22	2,248475E+22	2,110687E+22	2,110701E+22	2,248497E+22	2,422077E+22
1472	2,527154E+22	2,535590E+22	2,502934E+22	2,502989E+22	2,535708E+22	2,527278E+22	2,422163E+22	2,248538E+22	2,110730E+22	2,110723E+22	2,248515E+22	2,422127E+22
1473	2,527254E+22	2,535711E+22	2,503022E+22	2,503039E+22	2,535724E+22	2,527248E+22	2,422112E+22	2,248507E+22	2,110730E+22	2,110746E+22	2,248542E+22	2,422136E+22
1474	2,527232E+22	2,535657E+22	2,502929E+22	2,502916E+22	2,535630E+22	2,527211E+22	2,422119E+22	2,248531E+22	2,110747E+22	2,110739E+22	2,248514E+22	2,422110E+22
1475	2,527229E+22	2,535691E+22	2,503015E+22	2,503011E+22	2,535698E+22	2,527266E+22	2,422163E+22	2,248558E+22	2,110767E+22	2,110760E+22	2,248542E+22	2,422153E+22
1476	2,527288E+22	2,535757E+22	2,503073E+22	2,503042E+22	2,535652E+22	2,527165E+22	2,422086E+22	2,248533E+22	2,110764E+22	2,110760E+22	2,248526E+22	2,422099E+22
1477	2,527193E+22	2,535636E+22	2,502946E+22	2,502977E+22	2,535683E+22	2,527223E+22	2,422111E+22	2,248528E+22	2,110754E+22	2,110747E+22	2,248512E+22	2,422087E+22
1478	2,527201E+22	2,535702E+22	2,503062E+22	2,503073E+22	2,535758E+22	2,527285E+22	2,422129E+22	2,248495E+22	2,110709E+22	2,110731E+22	2,248540E+22	2,422147E+22
1479	2,527248E+22	2,535690E+22	2,502999E+22	2,502982E+22	2,535642E+22	2,527197E+22	2,422100E+22	2,248493E+22	2,110695E+22	2,110700E+22	2,248495E+22	2,422087E+22
1480	2,527179E+22	2,535601E+22	2,502904E+22	2,502947E+22	2,535678E+22	2,527258E+22	2,422162E+22	2,248544E+22	2,110719E+22	2,110688E+22	2,248468E+22	2,422088E+22
1481	2,527239E+22	2,535725E+22	2,503027E+22	2,503022E+22	2,535715E+22	2,527241E+22	2,422099E+22	2,248482E+22	2,110686E+22	2,110689E+22	2,248487E+22	2,422092E+22
1482	2,527204E+22	2,535654E+22	2,502941E+22	2,502910E+22	2,535599E+22	2,527173E+22	2,422075E+22	2,248471E+22	2,110671E+22	2,110667E+22	2,248462E+22	2,422067E+22
1483	2,527172E+22	2,535614E+22	2,502946E+22	2,502974E+22	2,535675E+22	2,527239E+22	2,422121E+22	2,248484E+22	2,110668E+22	2,110670E+22	2,248488E+22	2,422125E+22
1484	2,527256E+22	2,535704E+22	2,503008E+22	2,503012E+22	2,535667E+22	2,527181E+22	2,422060E+22	2,248448E+22	2,110642E+22	2,110655E+22	2,248476E+22	2,422094E+22
1485	2,527194E+22	2,535608E+22	2,502871E+22	2,502889E+22	2,535637E+22	2,527213E+22	2,422090E+22	2,248460E+22	2,110644E+22	2,110641E+22	2,248451E+22	2,422072E+22
1486	2,527198E+22	2,535675E+22	2,503000E+22	2,502994E+22	2,535700E+22	2,527267E+22	2,422123E+22	2,248464E+22	2,110642E+22	2,110647E+22	2,248473E+22	2,422123E+22
1487	2,527265E+22	2,535717E+22	2,503013E+22	2,502978E+22	2,535620E+22	2,527167E+22	2,422077E+22	2,248472E+22	2,110672E+22	2,110674E+22	2,248464E+22	2,422061E+22
1488	2,527169E+22	2,535605E+22	2,502908E+22	2,502944E+22	2,535657E+22	2,527216E+22	2,422126E+22	2,248537E+22	2,110737E+22	2,110713E+22	2,248479E+22	2,422069E+22
1489	2,527200E+22	2,535700E+22	2,503042E+22	2,503061E+22	2,535756E+22	2,527263E+22	2,422102E+22	2,248495E+22	2,110727E+22	2,110747E+22	2,248539E+22	2,422123E+22
1490	2,527211E+22	2,535659E+22	2,502974E+22	2,502963E+22	2,535645E+22	2,527206E+22	2,422106E+22	2,248516E+22	2,110743E+22	2,110753E+22	2,248533E+22	2,422111E+22
1491	2,527189E+22	2,535613E+22	2,502941E+22	2,502973E+22	2,535680E+22	2,527258E+22	2,422175E+22	2,248580E+22	2,110788E+22	2,110778E+22	2,248554E+22	2,422155E+22
1492	2,527284E+22	2,535754E+22	2,503067E+22	2,503055E+22	2,535697E+22	2,527211E+22	2,422120E+22	2,248563E+22	2,110799E+22	2,110797E+22	2,248558E+22	2,422128E+22
1493	2,527227E+22	2,535679E+22	2,502971E+22	2,502949E+22	2,535635E+22	2,527196E+22	2,422120E+22	2,248571E+22	2,110819E+22	2,110808E+22	2,248544E+22	2,422092E+22
1494	2,527192E+22	2,535694E+22	2,503066E+22	2,503066E+22	2,535720E+22	2,527250E+22	2,422142E+22	2,248565E+22	2,110809E+22	2,110814E+22	2,248575E+22	2,422153E+22
1495	2,527268E+22	2,535748E+22	2,503093E+22	2,503086E+22	2,535704E+22	2,527192E+22	2,422090E+22	2,248537E+22	2,110798E+22	2,110817E+22	2,248571E+22	2,422111E+22
1496	2,527179E+22	2,535619E+22	2,502938E+22	2,502974E+22	2,535691E+22	2,527243E+22	2,422148E+22	2,248578E+22	2,110810E+22	2,110798E+22	2,248550E+22	2,422111E+22
1497	2,527206E+22	2,535693E+22	2,503050E+22	2,503069E+22	2,535768E+22	2,527298E+22	2,422154E+22	2,248544E+22	2,110766E+22	2,110772E+22	2,248555E+22	2,422148E+22
1498	2,527250E+22	2,535698E+22	2,503010E+22	2,502986E+22	2,535646E+22	2,527204E+22	2,422125E+22	2,248544E+22	2,110761E+22	2,110749E+22	2,248511E+22	2,422091E+22
1499	2,527190E+22	2,535621E+22	2,502928E+22	2,502941E+22	2,535642E+22	2,527217E+22	2,422150E+22	2,248573E+22	2,110780E+22	2,110756E+22	2,248516E+22	2,422104E+22
1500	2,527238E+22	2,535734E+22	2,503060E+22	2,503051E+22	2,535707E+22	2,527204E+22	2,422085E+22	2,248512E+22	2,110741E+22	2,110748E+22	2,248527E+22	2,422106E+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	2,527194E+22	2,535642E+22	2,502947E+22	2,502931E+22	2,535626E+22	2,527183E+22	2,422073E+22	2,248484E+22	2,110713E+22	2,110722E+22	2,248506E+22	2,422085E+22
1502	2,527164E+22	2,535612E+22	2,502964E+22	2,502989E+22	2,535682E+22	2,527236E+22	2,422117E+22	2,248489E+22	2,110686E+22	2,110695E+22	2,248510E+22	2,422144E+22
1503	2,527277E+22	2,535726E+22	2,503029E+22	2,503028E+22	2,535682E+22	2,527189E+22	2,422073E+22	2,248471E+22	2,110680E+22	2,110693E+22	2,248492E+22	2,422093E+22
1504	2,527198E+22	2,535630E+22	2,502898E+22	2,502890E+22	2,535622E+22	2,527201E+22	2,422112E+22	2,248520E+22	2,110721E+22	2,110700E+22	2,248472E+22	2,422064E+22
1505	2,527183E+22	2,535679E+22	2,503029E+22	2,503028E+22	2,535719E+22	2,527262E+22	2,422126E+22	2,248509E+22	2,110716E+22	2,110713E+22	2,248497E+22	2,422104E+22
1506	2,527232E+22	2,535707E+22	2,503039E+22	2,503022E+22	2,535661E+22	2,527185E+22	2,422091E+22	2,248514E+22	2,110743E+22	2,110742E+22	2,248505E+22	2,422073E+22
1507	2,527160E+22	2,535594E+22	2,502913E+22	2,502947E+22	2,535658E+22	2,527216E+22	2,422136E+22	2,248570E+22	2,110801E+22	2,110791E+22	2,248545E+22	2,422109E+22
1508	2,527212E+22	2,535700E+22	2,503052E+22	2,503070E+22	2,535750E+22	2,527257E+22	2,422131E+22	2,248553E+22	2,110793E+22	2,110805E+22	2,248577E+22	2,422147E+22
1509	2,527226E+22	2,535668E+22	2,502979E+22	2,502964E+22	2,535644E+22	2,527205E+22	2,422126E+22	2,248571E+22	2,110821E+22	2,110821E+22	2,248570E+22	2,422118E+22
1510	2,527189E+22	2,535640E+22	2,502986E+22	2,502992E+22	2,535666E+22	2,527229E+22	2,422163E+22	2,248607E+22	2,110848E+22	2,110838E+22	2,248585E+22	2,422160E+22
1511	2,527289E+22	2,535783E+22	2,503120E+22	2,503100E+22	2,535713E+22	2,527197E+22	2,422108E+22	2,248579E+22	2,110856E+22	2,110871E+22	2,248602E+22	2,422128E+22
1512	2,527209E+22	2,535679E+22	2,503002E+22	2,502980E+22	2,535649E+22	2,527192E+22	2,422123E+22	2,248607E+22	2,110886E+22	2,110880E+22	2,248597E+22	2,422111E+22
1513	2,527180E+22	2,535675E+22	2,503069E+22	2,503100E+22	2,535770E+22	2,527280E+22	2,422151E+22	2,248584E+22	2,110850E+22	2,110860E+22	2,248606E+22	2,422165E+22
1514	2,527267E+22	2,535741E+22	2,503091E+22	2,503097E+22	2,535734E+22	2,527230E+22	2,422127E+22	2,248576E+22	2,110838E+22	2,110845E+22	2,248586E+22	2,422129E+22
1515	2,527200E+22	2,535630E+22	2,502939E+22	2,502950E+22	2,535661E+22	2,527231E+22	2,422167E+22	2,248626E+22	2,110869E+22	2,110846E+22	2,248576E+22	2,422124E+22
1516	2,527221E+22	2,535714E+22	2,503077E+22	2,503074E+22	2,535738E+22	2,527265E+22	2,422163E+22	2,248597E+22	2,110832E+22	2,110821E+22	2,248567E+22	2,422135E+22
1517	2,527235E+22	2,535698E+22	2,503030E+22	2,503003E+22	2,535641E+22	2,527183E+22	2,422117E+22	2,248577E+22	2,110829E+22	2,110819E+22	2,248547E+22	2,422081E+22
1518	2,527157E+22	2,535616E+22	2,502961E+22	2,502974E+22	2,535649E+22	2,527193E+22	2,422119E+22	2,248570E+22	2,110813E+22	2,110807E+22	2,248557E+22	2,422122E+22
1519	2,527237E+22	2,535733E+22	2,503078E+22	2,503079E+22	2,535735E+22	2,527216E+22	2,422078E+22	2,248507E+22	2,110767E+22	2,110797E+22	2,248567E+22	2,422125E+22
1520	2,527198E+22	2,535641E+22	2,502952E+22	2,502930E+22	2,535625E+22	2,527193E+22	2,422100E+22	2,248526E+22	2,110762E+22	2,110764E+22	2,248533E+22	2,422104E+22
1521	2,527178E+22	2,535620E+22	2,502970E+22	2,503002E+22	2,535703E+22	2,527249E+22	2,422133E+22	2,248528E+22	2,110738E+22	2,110730E+22	2,248511E+22	2,422131E+22
1522	2,527277E+22	2,535745E+22	2,503058E+22	2,503049E+22	2,535700E+22	2,527207E+22	2,422100E+22	2,248523E+22	2,110747E+22	2,110740E+22	2,248504E+22	2,422086E+22
1523	2,527193E+22	2,535641E+22	2,502931E+22	2,502906E+22	2,535606E+22	2,527177E+22	2,422115E+22	2,248568E+22	2,110802E+22	2,110783E+22	2,248524E+22	2,422076E+22
1524	2,527169E+22	2,535669E+22	2,503053E+22	2,503062E+22	2,535726E+22	2,527247E+22	2,422133E+22	2,248557E+22	2,110793E+22	2,110791E+22	2,248548E+22	2,422117E+22
1525	2,527214E+22	2,535682E+22	2,503035E+22	2,503037E+22	2,535684E+22	2,527205E+22	2,422107E+22	2,248552E+22	2,110814E+22	2,110824E+22	2,248567E+22	2,422097E+22
1526	2,527157E+22	2,535595E+22	2,502928E+22	2,502950E+22	2,535648E+22	2,527206E+22	2,422137E+22	2,248593E+22	2,110844E+22	2,110842E+22	2,248588E+22	2,422143E+22
1527	2,527245E+22	2,535731E+22	2,503077E+22	2,503078E+22	2,535745E+22	2,527248E+22	2,422131E+22	2,248581E+22	2,110852E+22	2,110867E+22	2,248609E+22	2,422156E+22
1528	2,527241E+22	2,535700E+22	2,503020E+22	2,502978E+22	2,535628E+22	2,527184E+22	2,422131E+22	2,248620E+22	2,110899E+22	2,110890E+22	2,248602E+22	2,422121E+22
1529	2,527188E+22	2,535654E+22	2,503023E+22	2,503042E+22	2,535697E+22	2,527221E+22	2,422148E+22	2,248629E+22	2,110906E+22	2,110896E+22	2,248610E+22	2,422149E+22
1530	2,527268E+22	2,535782E+22	2,503152E+22	2,503153E+22	2,535767E+22	2,527230E+22	2,422123E+22	2,248607E+22	2,110905E+22	2,110918E+22	2,248634E+22	2,422143E+22
1531	2,527203E+22	2,535669E+22	2,503012E+22	2,502993E+22	2,535659E+22	2,527205E+22	2,422142E+22	2,248639E+22	2,110935E+22	2,110936E+22	2,248641E+22	2,422137E+22
1532	2,527185E+22	2,535665E+22	2,503070E+22	2,503104E+22	2,535763E+22	2,527286E+22	2,422192E+22	2,248645E+22	2,110908E+22	2,110902E+22	2,248622E+22	2,422164E+22
1533	2,527264E+22	2,535737E+22	2,503086E+22	2,503090E+22	2,535731E+22	2,527240E+22	2,422157E+22	2,248635E+22	2,110914E+22	2,110906E+22	2,248610E+22	2,422117E+22
1534	2,527186E+22	2,535646E+22	2,502968E+22	2,502949E+22	2,535629E+22	2,527196E+22	2,422154E+22	2,248650E+22	2,110924E+22	2,110903E+22	2,248607E+22	2,422128E+22
1535	2,527222E+22	2,535729E+22	2,503108E+22	2,503098E+22	2,535733E+22	2,527239E+22	2,422139E+22	2,248608E+22	2,110889E+22	2,110893E+22	2,248612E+22	2,422141E+22
1536	2,527224E+22	2,535694E+22	2,503046E+22	2,503023E+22	2,535644E+22	2,527168E+22	2,422103E+22	2,248595E+22	2,110882E+22	2,110884E+22	2,248600E+22	2,422110E+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	2,527161E+22	2,535603E+22	2,502959E+22	2,503001E+22	2,535686E+22	2,527207E+22	2,422111E+22	2,248569E+22	2,110835E+22	2,110839E+22	2,248582E+22	2,422138E+22
1538	2,527251E+22	2,535742E+22	2,503089E+22	2,503094E+22	2,535757E+22	2,527247E+22	2,422109E+22	2,248538E+22	2,110794E+22	2,110810E+22	2,248574E+22	2,422139E+22
1539	2,527220E+22	2,535666E+22	2,502975E+22	2,502928E+22	2,535601E+22	2,527181E+22	2,422116E+22	2,248571E+22	2,110820E+22	2,110808E+22	2,248549E+22	2,422102E+22
1540	2,527182E+22	2,535641E+22	2,503010E+22	2,503026E+22	2,535690E+22	2,527235E+22	2,422153E+22	2,248586E+22	2,110812E+22	2,110786E+22	2,248521E+22	2,422100E+22
1541	2,527244E+22	2,535737E+22	2,503083E+22	2,503085E+22	2,535720E+22	2,527211E+22	2,422109E+22	2,248569E+22	2,110831E+22	2,110825E+22	2,248547E+22	2,422069E+22
1542	2,527151E+22	2,535625E+22	2,502955E+22	2,502938E+22	2,535619E+22	2,527171E+22	2,422104E+22	2,248585E+22	2,110859E+22	2,110856E+22	2,248583E+22	2,422103E+22
1543	2,527170E+22	2,535659E+22	2,503056E+22	2,503079E+22	2,535745E+22	2,527262E+22	2,422140E+22	2,248579E+22	2,110850E+22	2,110866E+22	2,248605E+22	2,422149E+22
1544	2,527226E+22	2,535680E+22	2,503031E+22	2,503029E+22	2,535672E+22	2,527205E+22	2,422134E+22	2,248608E+22	2,110887E+22	2,110894E+22	2,248617E+22	2,422133E+22
1545	2,527185E+22	2,535612E+22	2,502939E+22	2,502967E+22	2,535659E+22	2,527203E+22	2,422140E+22	2,248628E+22	2,110906E+22	2,110896E+22	2,248611E+22	2,422147E+22
1546	2,527261E+22	2,535769E+22	2,503123E+22	2,503108E+22	2,535751E+22	2,527250E+22	2,422144E+22	2,248622E+22	2,110913E+22	2,110918E+22	2,248634E+22	2,422161E+22
1547	2,527243E+22	2,535722E+22	2,503066E+22	2,503011E+22	2,535621E+22	2,527160E+22	2,422125E+22	2,248655E+22	2,110969E+22	2,110965E+22	2,248650E+22	2,422133E+22
1548	2,527182E+22	2,535655E+22	2,503055E+22	2,503087E+22	2,535721E+22	2,527227E+22	2,422160E+22	2,248663E+22	2,110963E+22	2,110955E+22	2,248642E+22	2,422148E+22
1549	2,527249E+22	2,535762E+22	2,503149E+22	2,503170E+22	2,535797E+22	2,527265E+22	2,422153E+22	2,248645E+22	2,110962E+22	2,110977E+22	2,248670E+22	2,422145E+22
1550	2,527192E+22	2,535669E+22	2,503021E+22	2,502994E+22	2,535646E+22	2,527202E+22	2,422158E+22	2,248674E+22	2,110979E+22	2,110976E+22	2,248667E+22	2,422152E+22
1551	2,527203E+22	2,535684E+22	2,503082E+22	2,503104E+22	2,535747E+22	2,527272E+22	2,422195E+22	2,248682E+22	2,110975E+22	2,110962E+22	2,248644E+22	2,422156E+22
1552	2,527257E+22	2,535748E+22	2,503108E+22	2,503094E+22	2,535704E+22	2,527211E+22	2,422157E+22	2,248680E+22	2,110991E+22	2,110981E+22	2,248649E+22	2,422118E+22
1553	2,527175E+22	2,535644E+22	2,502988E+22	2,502990E+22	2,535650E+22	2,527177E+22	2,422126E+22	2,248655E+22	2,110968E+22	2,110959E+22	2,248639E+22	2,422127E+22
1554	2,527209E+22	2,535729E+22	2,503127E+22	2,503131E+22	2,535765E+22	2,527258E+22	2,422140E+22	2,248616E+22	2,110917E+22	2,110929E+22	2,248648E+22	2,422168E+22
1555	2,527230E+22	2,535692E+22	2,503053E+22	2,503032E+22	2,535645E+22	2,527172E+22	2,422114E+22	2,248616E+22	2,110917E+22	2,110925E+22	2,248637E+22	2,422140E+22
1556	2,527183E+22	2,535613E+22	2,502969E+22	2,503013E+22	2,535684E+22	2,527215E+22	2,422144E+22	2,248614E+22	2,110879E+22	2,110868E+22	2,248586E+22	2,422130E+22
1557	2,527249E+22	2,535750E+22	2,503099E+22	2,503104E+22	2,535765E+22	2,527265E+22	2,422140E+22	2,248592E+22	2,110864E+22	2,110866E+22	2,248589E+22	2,422114E+22
1558	2,527200E+22	2,535684E+22	2,503014E+22	2,502948E+22	2,535585E+22	2,527161E+22	2,422115E+22	2,248603E+22	2,110880E+22	2,110871E+22	2,248583E+22	2,422100E+22
1559	2,527170E+22	2,535643E+22	2,503032E+22	2,503059E+22	2,535699E+22	2,527223E+22	2,422143E+22	2,248614E+22	2,110888E+22	2,110874E+22	2,248573E+22	2,422104E+22
1560	2,527219E+22	2,535717E+22	2,503085E+22	2,503102E+22	2,535732E+22	2,527215E+22	2,422115E+22	2,248604E+22	2,110904E+22	2,110912E+22	2,248616E+22	2,422107E+22
1561	2,527157E+22	2,535608E+22	2,502941E+22	2,502954E+22	2,535642E+22	2,527181E+22	2,422105E+22	2,248601E+22	2,110900E+22	2,110908E+22	2,248625E+22	2,422133E+22
1562	2,527196E+22	2,535681E+22	2,503064E+22	2,503081E+22	2,535745E+22	2,527276E+22	2,422169E+22	2,248621E+22	2,110895E+22	2,110899E+22	2,248632E+22	2,422179E+22
1563	2,527260E+22	2,535719E+22	2,503063E+22	2,503032E+22	2,535640E+22	2,527174E+22	2,422135E+22	2,248651E+22	2,110955E+22	2,110952E+22	2,248646E+22	2,422142E+22
1564	2,527200E+22	2,535648E+22	2,502991E+22	2,503002E+22	2,535647E+22	2,527181E+22	2,422146E+22	2,248669E+22	2,110973E+22	2,110955E+22	2,248627E+22	2,422123E+22
1565	2,527234E+22	2,535773E+22	2,503161E+22	2,503159E+22	2,535783E+22	2,527261E+22	2,422153E+22	2,248658E+22	2,110985E+22	2,110993E+22	2,248671E+22	2,422141E+22
1566	2,527206E+22	2,535718E+22	2,503098E+22	2,503054E+22	2,535644E+22	2,527166E+22	2,422124E+22	2,248671E+22	2,111014E+22	2,111023E+22	2,248694E+22	2,422148E+22
1567	2,527176E+22	2,535647E+22	2,503058E+22	2,503109E+22	2,535745E+22	2,527249E+22	2,422179E+22	2,248699E+22	2,111025E+22	2,111019E+22	2,248677E+22	2,422155E+22
1568	2,527241E+22	2,535752E+22	2,503142E+22	2,503166E+22	2,535792E+22	2,527273E+22	2,422187E+22	2,248708E+22	2,111040E+22	2,111043E+22	2,248708E+22	2,422161E+22
1569	2,527199E+22	2,535669E+22	2,503019E+22	2,503005E+22	2,535650E+22	2,527193E+22	2,422162E+22	2,248710E+22	2,111042E+22	2,111032E+22	2,248691E+22	2,422151E+22
1570	2,527204E+22	2,535704E+22	2,503108E+22	2,503119E+22	2,535740E+22	2,527264E+22	2,422205E+22	2,248719E+22	2,111030E+22	2,111015E+22	2,248683E+22	2,422172E+22
1571	2,527254E+22	2,535755E+22	2,503133E+22	2,503114E+22	2,535688E+22	2,527175E+22	2,422138E+22	2,248700E+22	2,111049E+22	2,111052E+22	2,248708E+22	2,422147E+22
1572	2,527178E+22	2,535646E+22	2,503006E+22	2,503019E+22	2,535664E+22	2,527180E+22	2,422127E+22	2,248664E+22	2,111002E+22	2,111004E+22	2,248673E+22	2,422141E+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												
1573	2,527207E+22	2,535725E+22	2,503128E+22	2,503145E+22	2,535787E+22	2,527286E+22	2,422164E+22	2,248638E+22	2,110951E+22	2,110968E+22	2,248672E+22	2,422171E+22
1574	2,527234E+22	2,535713E+22	2,503072E+22	2,503040E+22	2,535635E+22	2,527166E+22	2,422124E+22	2,248640E+22	2,110946E+22	2,110947E+22	2,248648E+22	2,422146E+22
1575	2,527200E+22	2,535644E+22	2,502996E+22	2,503030E+22	2,535681E+22	2,527207E+22	2,422149E+22	2,248653E+22	2,110944E+22	2,110919E+22	2,248593E+22	2,422104E+22
1576	2,527225E+22	2,535754E+22	2,503123E+22	2,503122E+22	2,535757E+22	2,527251E+22	2,422152E+22	2,248642E+22	2,110943E+22	2,110940E+22	2,248625E+22	2,422107E+22
1577	2,527174E+22	2,535666E+22	2,503025E+22	2,502996E+22	2,535620E+22	2,527158E+22	2,422107E+22	2,248624E+22	2,110936E+22	2,110936E+22	2,248625E+22	2,422105E+22
1578	2,527154E+22	2,535635E+22	2,503038E+22	2,503080E+22	2,535723E+22	2,527245E+22	2,422162E+22	2,248641E+22	2,110930E+22	2,110925E+22	2,248626E+22	2,422140E+22
1579	2,527223E+22	2,535709E+22	2,503079E+22	2,503096E+22	2,535716E+22	2,527208E+22	2,422133E+22	2,248644E+22	2,110962E+22	2,110976E+22	2,248670E+22	2,422147E+22
1580	2,527186E+22	2,535629E+22	2,502954E+22	2,502958E+22	2,535631E+22	2,527180E+22	2,422131E+22	2,248646E+22	2,110959E+22	2,110957E+22	2,248644E+22	2,422134E+22
1581	2,527206E+22	2,535708E+22	2,503091E+22	2,503094E+22	2,535740E+22	2,527272E+22	2,422184E+22	2,248670E+22	2,110972E+22	2,110968E+22	2,248657E+22	2,422161E+22
1582	2,527251E+22	2,535754E+22	2,503118E+22	2,503069E+22	2,535630E+22	2,527144E+22	2,422124E+22	2,248678E+22	2,111015E+22	2,111017E+22	2,248685E+22	2,422146E+22
1583	2,527193E+22	2,535664E+22	2,503035E+22	2,503057E+22	2,535674E+22	2,527172E+22	2,422131E+22	2,248695E+22	2,111046E+22	2,111035E+22	2,248671E+22	2,422121E+22
1584	2,527204E+22	2,535752E+22	2,503170E+22	2,503190E+22	2,535811E+22	2,527280E+22	2,422172E+22	2,248696E+22	2,111052E+22	2,111070E+22	2,248728E+22	2,422166E+22
1585	2,527201E+22	2,535695E+22	2,503087E+22	2,503079E+22	2,535679E+22	2,527189E+22	2,422146E+22	2,248700E+22	2,111057E+22	2,111070E+22	2,248726E+22	2,422163E+22
1586	2,527188E+22	2,535661E+22	2,503060E+22	2,503104E+22	2,535744E+22	2,527266E+22	2,422218E+22	2,248752E+22	2,111078E+22	2,111057E+22	2,248705E+22	2,422173E+22
1587	2,527250E+22	2,535770E+22	2,503159E+22	2,503160E+22	2,535758E+22	2,527242E+22	2,422192E+22	2,248759E+22	2,111117E+22	2,111113E+22	2,248746E+22	2,422172E+22
1588	2,527206E+22	2,535691E+22	2,503053E+22	2,503026E+22	2,535637E+22	2,527170E+22	2,422161E+22	2,248741E+22	2,111104E+22	2,111094E+22	2,248720E+22	2,422142E+22
1589	2,527183E+22	2,535703E+22	2,503132E+22	2,503152E+22	2,535759E+22	2,527261E+22	2,422202E+22	2,248741E+22	2,111086E+22	2,111082E+22	2,248726E+22	2,422172E+22
1590	2,527237E+22	2,535760E+22	2,503155E+22	2,503139E+22	2,535700E+22	2,527171E+22	2,422129E+22	2,248700E+22	2,111071E+22	2,111091E+22	2,248748E+22	2,422177E+22
1591	2,527193E+22	2,535655E+22	2,503016E+22	2,503035E+22	2,535679E+22	2,527190E+22	2,422137E+22	2,248689E+22	2,111043E+22	2,111041E+22	2,248692E+22	2,422145E+22
1592	2,527208E+22	2,535730E+22	2,503133E+22	2,503147E+22	2,535787E+22	2,527294E+22	2,422195E+22	2,248689E+22	2,111010E+22	2,111013E+22	2,248692E+22	2,422173E+22
1593	2,527235E+22	2,535719E+22	2,503085E+22	2,503063E+22	2,535647E+22	2,527160E+22	2,422130E+22	2,248671E+22	2,110996E+22	2,110989E+22	2,248656E+22	2,422127E+22
1594	2,527187E+22	2,535660E+22	2,503024E+22	2,503050E+22	2,535685E+22	2,527206E+22	2,422167E+22	2,248696E+22	2,111000E+22	2,110972E+22	2,248631E+22	2,422111E+22
1595	2,527200E+22	2,535741E+22	2,503137E+22	2,503144E+22	2,535756E+22	2,527227E+22	2,422143E+22	2,248674E+22	2,111012E+22	2,111018E+22	2,248686E+22	2,422135E+22
1596	2,527169E+22	2,535655E+22	2,503025E+22	2,503007E+22	2,535631E+22	2,527165E+22	2,422118E+22	2,248644E+22	2,110983E+22	2,110995E+22	2,248670E+22	2,422125E+22
1597	2,527155E+22	2,535631E+22	2,503034E+22	2,503078E+22	2,535726E+22	2,527258E+22	2,422190E+22	2,248681E+22	2,110983E+22	2,110981E+22	2,248663E+22	2,422154E+22
1598	2,527239E+22	2,535743E+22	2,503104E+22	2,503095E+22	2,535690E+22	2,527181E+22	2,422132E+22	2,248673E+22	2,111009E+22	2,111018E+22	2,248697E+22	2,422164E+22
1599	2,527210E+22	2,535673E+22	2,503001E+22	2,502985E+22	2,535626E+22	2,527154E+22	2,422119E+22	2,248682E+22	2,111033E+22	2,111020E+22	2,248662E+22	2,422116E+22
1600	2,527188E+22	2,535723E+22	2,503135E+22	2,503136E+22	2,535751E+22	2,527258E+22	2,422185E+22	2,248709E+22	2,111047E+22	2,111046E+22	2,248700E+22	2,422159E+22
1601	2,527225E+22	2,535738E+22	2,503142E+22	2,503135E+22	2,535686E+22	2,527153E+22	2,422117E+22	2,248693E+22	2,111064E+22	2,111077E+22	2,248722E+22	2,422148E+22
1602	2,527175E+22	2,535658E+22	2,503047E+22	2,503087E+22	2,535715E+22	2,527213E+22	2,422170E+22	2,248734E+22	2,111090E+22	2,111084E+22	2,248720E+22	2,422151E+22
1603	2,527196E+22	2,535734E+22	2,503164E+22	2,503191E+22	2,535808E+22	2,527286E+22	2,422207E+22	2,248756E+22	2,111124E+22	2,111136E+22	2,248776E+22	2,422197E+22
1604	2,527219E+22	2,535706E+22	2,503091E+22	2,503073E+22	2,535671E+22	2,527198E+22	2,422184E+22	2,248760E+22	2,111131E+22	2,111129E+22	2,248751E+22	2,422163E+22
1605	2,527189E+22	2,535679E+22	2,503078E+22	2,503102E+22	2,535730E+22	2,527259E+22	2,422239E+22	2,248808E+22	2,111160E+22	2,111135E+22	2,248741E+22	2,422165E+22
1606	2,527242E+22	2,535795E+22	2,503197E+22	2,503176E+22	2,535736E+22	2,527200E+22	2,422172E+22	2,248780E+22	2,111174E+22	2,111180E+22	2,248796E+22	2,422193E+22
1607	2,527211E+22	2,535707E+22	2,503089E+22	2,503066E+22	2,535655E+22	2,527149E+22	2,422131E+22	2,248752E+22	2,111161E+22	2,111159E+22	2,248763E+22	2,422155E+22
1608	2,527174E+22	2,535695E+22	2,503139E+22	2,503171E+22	2,535776E+22	2,527266E+22	2,422205E+22	2,248758E+22	2,111126E+22	2,111133E+22	2,248770E+22	2,422202E+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	2,527247E+22	2,535751E+22	2,503155E+22	2,503165E+22	2,535729E+22	2,527184E+22	2,422140E+22	2,248715E+22	2,111089E+22	2,111107E+22	2,248756E+22	2,422184E+22
1610	2,527210E+22	2,535684E+22	2,503039E+22	2,503042E+22	2,535682E+22	2,527200E+22	2,422166E+22	2,248730E+22	2,111074E+22	2,111057E+22	2,248698E+22	2,422142E+22
1611	2,527197E+22	2,535738E+22	2,503156E+22	2,503153E+22	2,535765E+22	2,527267E+22	2,422202E+22	2,248738E+22	2,111079E+22	2,111070E+22	2,248712E+22	2,422161E+22
1612	2,527219E+22	2,535724E+22	2,503113E+22	2,503087E+22	2,535656E+22	2,527158E+22	2,422140E+22	2,248705E+22	2,111057E+22	2,111050E+22	2,248681E+22	2,422108E+22
1613	2,527150E+22	2,535642E+22	2,503034E+22	2,503070E+22	2,535707E+22	2,527215E+22	2,422176E+22	2,248728E+22	2,111064E+22	2,111045E+22	2,248677E+22	2,422113E+22
1614	2,527181E+22	2,535730E+22	2,503138E+22	2,503148E+22	2,535757E+22	2,527222E+22	2,422143E+22	2,248692E+22	2,111052E+22	2,111071E+22	2,248737E+22	2,422176E+22
1615	2,527191E+22	2,535664E+22	2,503032E+22	2,503015E+22	2,535634E+22	2,527157E+22	2,422120E+22	2,248681E+22	2,111044E+22	2,111047E+22	2,248701E+22	2,422141E+22
1616	2,527164E+22	2,535643E+22	2,503047E+22	2,503079E+22	2,535716E+22	2,527245E+22	2,422202E+22	2,248729E+22	2,111054E+22	2,111044E+22	2,248699E+22	2,422169E+22
1617	2,527248E+22	2,535757E+22	2,503136E+22	2,503130E+22	2,535701E+22	2,527168E+22	2,422129E+22	2,248699E+22	2,111061E+22	2,111070E+22	2,248720E+22	2,422159E+22
1618	2,527206E+22	2,535701E+22	2,503052E+22	2,503027E+22	2,535643E+22	2,527154E+22	2,422131E+22	2,248718E+22	2,111085E+22	2,111078E+22	2,248707E+22	2,422126E+22
1619	2,527164E+22	2,535713E+22	2,503158E+22	2,503172E+22	2,535772E+22	2,527254E+22	2,422187E+22	2,248747E+22	2,111119E+22	2,111124E+22	2,248757E+22	2,422184E+22
1620	2,527224E+22	2,535732E+22	2,503147E+22	2,503151E+22	2,535718E+22	2,527189E+22	2,422149E+22	2,248729E+22	2,111119E+22	2,111134E+22	2,248759E+22	2,422161E+22
1621	2,527174E+22	2,535655E+22	2,503047E+22	2,503083E+22	2,535723E+22	2,527238E+22	2,422216E+22	2,248798E+22	2,111161E+22	2,111144E+22	2,248751E+22	2,422157E+22
1622	2,527206E+22	2,535757E+22	2,503181E+22	2,503183E+22	2,535781E+22	2,527260E+22	2,422215E+22	2,248804E+22	2,111191E+22	2,111192E+22	2,248807E+22	2,422213E+22
1623	2,527237E+22	2,535739E+22	2,503130E+22	2,503091E+22	2,535656E+22	2,527161E+22	2,422169E+22	2,248805E+22	2,111217E+22	2,111204E+22	2,248781E+22	2,422155E+22
1624	2,527172E+22	2,535685E+22	2,503113E+22	2,503134E+22	2,535730E+22	2,527232E+22	2,422227E+22	2,248840E+22	2,111232E+22	2,111216E+22	2,248796E+22	2,422179E+22
1625	2,527228E+22	2,535782E+22	2,503219E+22	2,503225E+22	2,535771E+22	2,527196E+22	2,422151E+22	2,248777E+22	2,111204E+22	2,111225E+22	2,248830E+22	2,422207E+22
1626	2,527210E+22	2,535712E+22	2,503109E+22	2,503090E+22	2,535683E+22	2,527176E+22	2,422153E+22	2,248770E+22	2,111178E+22	2,111186E+22	2,248796E+22	2,422180E+22
1627	2,527176E+22	2,535690E+22	2,503144E+22	2,503178E+22	2,535778E+22	2,527268E+22	2,422224E+22	2,248798E+22	2,111174E+22	2,111170E+22	2,248790E+22	2,422215E+22
1628	2,527263E+22	2,535767E+22	2,503164E+22	2,503163E+22	2,535734E+22	2,527200E+22	2,422167E+22	2,248758E+22	2,111142E+22	2,111142E+22	2,248756E+22	2,422161E+22
1629	2,527193E+22	2,535693E+22	2,503064E+22	2,503050E+22	2,535680E+22	2,527203E+22	2,422193E+22	2,248785E+22	2,111148E+22	2,111121E+22	2,248717E+22	2,422119E+22
1630	2,527171E+22	2,535737E+22	2,503181E+22	2,503171E+22	2,535754E+22	2,527236E+22	2,422188E+22	2,248764E+22	2,111138E+22	2,111136E+22	2,248759E+22	2,422175E+22
1631	2,527207E+22	2,535715E+22	2,503129E+22	2,503114E+22	2,535672E+22	2,527146E+22	2,422121E+22	2,248728E+22	2,111125E+22	2,111122E+22	2,248730E+22	2,422126E+22
1632	2,527138E+22	2,535621E+22	2,503026E+22	2,503070E+22	2,535712E+22	2,527220E+22	2,422185E+22	2,248753E+22	2,111113E+22	2,111108E+22	2,248733E+22	2,422154E+22
1633	2,527200E+22	2,535723E+22	2,503135E+22	2,503154E+22	2,535760E+22	2,527219E+22	2,422148E+22	2,248711E+22	2,111083E+22	2,111101E+22	2,248757E+22	2,422195E+22
1634	2,527222E+22	2,535704E+22	2,503066E+22	2,503024E+22	2,535628E+22	2,527154E+22	2,422136E+22	2,248719E+22	2,111084E+22	2,111080E+22	2,248721E+22	2,422149E+22
1635	2,527168E+22	2,535666E+22	2,503089E+22	2,503105E+22	2,535705E+22	2,527215E+22	2,422195E+22	2,248770E+22	2,111126E+22	2,111108E+22	2,248729E+22	2,422169E+22
1636	2,527243E+22	2,535772E+22	2,503177E+22	2,503170E+22	2,535731E+22	2,527180E+22	2,422136E+22	2,248730E+22	2,111122E+22	2,111132E+22	2,248747E+22	2,422144E+22
1637	2,527176E+22	2,535692E+22	2,503080E+22	2,503065E+22	2,535682E+22	2,527184E+22	2,422158E+22	2,248763E+22	2,111155E+22	2,111150E+22	2,248747E+22	2,422127E+22
1638	2,527148E+22	2,535700E+22	2,503162E+22	2,503182E+22	2,535781E+22	2,527265E+22	2,422209E+22	2,248788E+22	2,111178E+22	2,111185E+22	2,248803E+22	2,422212E+22
1639	2,527238E+22	2,535740E+22	2,503159E+22	2,503161E+22	2,535724E+22	2,527190E+22	2,422169E+22	2,248794E+22	2,111207E+22	2,111203E+22	2,248791E+22	2,422167E+22
1640	2,527175E+22	2,535662E+22	2,503058E+22	2,503077E+22	2,535705E+22	2,527225E+22	2,422232E+22	2,248858E+22	2,111251E+22	2,111227E+22	2,248798E+22	2,422172E+22
1641	2,527208E+22	2,535760E+22	2,503206E+22	2,503208E+22	2,535775E+22	2,527236E+22	2,422206E+22	2,248833E+22	2,111253E+22	2,111256E+22	2,248843E+22	2,422219E+22
1642	2,527239E+22	2,535762E+22	2,503177E+22	2,503131E+22	2,535666E+22	2,527145E+22	2,422159E+22	2,248824E+22	2,111261E+22	2,111264E+22	2,248836E+22	2,422178E+22
1643	2,527160E+22	2,535674E+22	2,503131E+22	2,503164E+22	2,535743E+22	2,527217E+22	2,422206E+22	2,248853E+22	2,111283E+22	2,111280E+22	2,248849E+22	2,422212E+22
1644	2,527241E+22	2,535783E+22	2,503224E+22	2,503234E+22	2,535798E+22	2,527233E+22	2,422174E+22	2,248792E+22	2,111230E+22	2,111256E+22	2,248850E+22	2,422213E+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	2,527215E+22	2,535722E+22	2,503123E+22	2,503095E+22	2,535690E+22	2,527199E+22	2,422190E+22	2,248817E+22	2,111226E+22	2,111217E+22	2,248797E+22	2,422167E+22
1646	2,527181E+22	2,535711E+22	2,503164E+22	2,503177E+22	2,535759E+22	2,527250E+22	2,422230E+22	2,248838E+22	2,111228E+22	2,111208E+22	2,248796E+22	2,422205E+22
1647	2,527262E+22	2,535787E+22	2,503202E+22	2,503190E+22	2,535734E+22	2,527178E+22	2,422158E+22	2,248801E+22	2,111219E+22	2,111203E+22	2,248771E+22	2,422134E+22
1648	2,527156E+22	2,535675E+22	2,503079E+22	2,503075E+22	2,535686E+22	2,527193E+22	2,422190E+22	2,248818E+22	2,111217E+22	2,111198E+22	2,248771E+22	2,422131E+22
1649	2,527146E+22	2,535699E+22	2,503176E+22	2,503198E+22	2,535778E+22	2,527242E+22	2,422182E+22	2,248771E+22	2,111171E+22	2,111184E+22	2,248801E+22	2,422200E+22
1650	2,527214E+22	2,535712E+22	2,503133E+22	2,503119E+22	2,535680E+22	2,527163E+22	2,422143E+22	2,248752E+22	2,111151E+22	2,111162E+22	2,248778E+22	2,422163E+22
1651	2,527153E+22	2,535622E+22	2,503027E+22	2,503066E+22	2,535697E+22	2,527205E+22	2,422191E+22	2,248794E+22	2,111173E+22	2,111160E+22	2,248767E+22	2,422180E+22
1652	2,527233E+22	2,535758E+22	2,503157E+22	2,503151E+22	2,535756E+22	2,527226E+22	2,422163E+22	2,248747E+22	2,111139E+22	2,111147E+22	2,248768E+22	2,422182E+22
1653	2,527221E+22	2,535732E+22	2,503115E+22	2,503052E+22	2,535630E+22	2,527153E+22	2,422153E+22	2,248768E+22	2,111158E+22	2,111145E+22	2,248741E+22	2,422132E+22
1654	2,527156E+22	2,535679E+22	2,503130E+22	2,503145E+22	2,535714E+22	2,527195E+22	2,422182E+22	2,248797E+22	2,111189E+22	2,111176E+22	2,248772E+22	2,422179E+22
1655	2,527236E+22	2,535772E+22	2,503203E+22	2,503212E+22	2,535765E+22	2,527186E+22	2,422133E+22	2,248765E+22	2,111196E+22	2,111204E+22	2,248790E+22	2,422154E+22
1656	2,527160E+22	2,535671E+22	2,503080E+22	2,503077E+22	2,535697E+22	2,527206E+22	2,422189E+22	2,248812E+22	2,111223E+22	2,111223E+22	2,248804E+22	2,422158E+22
1657	2,527155E+22	2,535687E+22	2,503161E+22	2,503191E+22	2,535780E+22	2,527264E+22	2,422224E+22	2,248828E+22	2,111232E+22	2,111232E+22	2,248827E+22	2,422222E+22
1658	2,527253E+22	2,535768E+22	2,503190E+22	2,503169E+22	2,535709E+22	2,527179E+22	2,422183E+22	2,248839E+22	2,111270E+22	2,111265E+22	2,248830E+22	2,422174E+22
1659	2,527170E+22	2,535674E+22	2,503092E+22	2,503101E+22	2,535690E+22	2,527189E+22	2,422215E+22	2,248894E+22	2,111330E+22	2,111309E+22	2,248846E+22	2,422184E+22
1660	2,527210E+22	2,535773E+22	2,503233E+22	2,503235E+22	2,535796E+22	2,527241E+22	2,422198E+22	2,248848E+22	2,111305E+22	2,111318E+22	2,248880E+22	2,422219E+22
1661	2,527223E+22	2,535759E+22	2,503201E+22	2,503167E+22	2,535698E+22	2,527170E+22	2,422177E+22	2,248852E+22	2,111310E+22	2,111316E+22	2,248867E+22	2,422188E+22
1662	2,527165E+22	2,535676E+22	2,503140E+22	2,503178E+22	2,535750E+22	2,527221E+22	2,422218E+22	2,248877E+22	2,111318E+22	2,111316E+22	2,248876E+22	2,422233E+22
1663	2,527261E+22	2,535800E+22	2,503240E+22	2,503248E+22	2,535805E+22	2,527236E+22	2,422191E+22	2,248845E+22	2,111296E+22	2,111298E+22	2,248857E+22	2,422200E+22
1664	2,527206E+22	2,535727E+22	2,503138E+22	2,503100E+22	2,535682E+22	2,527201E+22	2,422214E+22	2,248870E+22	2,111299E+22	2,111282E+22	2,248826E+22	2,422162E+22
1665	2,527162E+22	2,535699E+22	2,503180E+22	2,503201E+22	2,535754E+22	2,527234E+22	2,422229E+22	2,248866E+22	2,111282E+22	2,111263E+22	2,248821E+22	2,422195E+22
1666	2,527244E+22	2,535787E+22	2,503227E+22	2,503221E+22	2,535744E+22	2,527173E+22	2,422156E+22	2,248822E+22	2,111266E+22	2,111268E+22	2,248828E+22	2,422154E+22
1667	2,527141E+22	2,535651E+22	2,503075E+22	2,503087E+22	2,535690E+22	2,527183E+22	2,422178E+22	2,248835E+22	2,111269E+22	2,111265E+22	2,248829E+22	2,422173E+22
1668	2,527170E+22	2,535702E+22	2,503163E+22	2,503183E+22	2,535782E+22	2,527266E+22	2,422201E+22	2,248791E+22	2,111203E+22	2,111220E+22	2,248827E+22	2,422218E+22
1669	2,527235E+22	2,535737E+22	2,503152E+22	2,503121E+22	2,535670E+22	2,527166E+22	2,422169E+22	2,248797E+22	2,111203E+22	2,111198E+22	2,248785E+22	2,422162E+22
1670	2,527176E+22	2,535660E+22	2,503061E+22	2,503077E+22	2,535673E+22	2,527173E+22	2,422180E+22	2,248821E+22	2,111228E+22	2,111208E+22	2,248783E+22	2,422176E+22
1671	2,527239E+22	2,535792E+22	2,503214E+22	2,503199E+22	2,535765E+22	2,527205E+22	2,422151E+22	2,248786E+22	2,111214E+22	2,111211E+22	2,248789E+22	2,422157E+22
1672	2,527186E+22	2,535724E+22	2,503147E+22	2,503101E+22	2,535658E+22	2,527158E+22	2,422155E+22	2,248799E+22	2,111226E+22	2,111224E+22	2,248792E+22	2,422137E+22
1673	2,527125E+22	2,535643E+22	2,503133E+22	2,503182E+22	2,535748E+22	2,527218E+22	2,422194E+22	2,248819E+22	2,111234E+22	2,111229E+22	2,248809E+22	2,422191E+22
1674	2,527232E+22	2,535766E+22	2,503211E+22	2,503231E+22	2,535784E+22	2,527213E+22	2,422169E+22	2,248807E+22	2,111245E+22	2,111260E+22	2,248839E+22	2,422177E+22
1675	2,527162E+22	2,535663E+22	2,503074E+22	2,503074E+22	2,535681E+22	2,527194E+22	2,422206E+22	2,248871E+22	2,111307E+22	2,111298E+22	2,248849E+22	2,422183E+22
1676	2,527178E+22	2,535710E+22	2,503169E+22	2,503179E+22	2,535768E+22	2,527271E+22	2,422244E+22	2,248875E+22	2,111306E+22	2,111301E+22	2,248860E+22	2,422218E+22
1677	2,527250E+22	2,535791E+22	2,503231E+22	2,503194E+22	2,535702E+22	2,527166E+22	2,422192E+22	2,248886E+22	2,111348E+22	2,111342E+22	2,248869E+22	2,422177E+22
1678	2,527170E+22	2,535688E+22	2,503124E+22	2,503135E+22	2,535693E+22	2,527160E+22	2,422187E+22	2,248905E+22	2,111386E+22	2,111379E+22	2,248900E+22	2,422211E+22
1679	2,527220E+22	2,535785E+22	2,503261E+22	2,503272E+22	2,535821E+22	2,527242E+22	2,422192E+22	2,248871E+22	2,111357E+22	2,111373E+22	2,248915E+22	2,422232E+22
1680	2,527222E+22	2,535754E+22	2,503207E+22	2,503182E+22	2,535712E+22	2,527191E+22	2,422204E+22	2,248888E+22	2,111356E+22	2,111363E+22	2,248900E+22	2,422204E+22

1 Years \ Longitude ⊙	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°
1681	2,527170E+22	2,535677E+22	2,503151E+22	2,503193E+22	2,535750E+22	2,527223E+22	2,422236E+22	2,248912E+22	2,111358E+22	2,111340E+22	2,248875E+22	2,422220E+22
1682	2,527263E+22	2,535827E+22	2,503277E+22	2,503268E+22	2,535800E+22	2,527232E+22	2,422208E+22	2,248883E+22	2,111348E+22	2,111348E+22	2,248881E+22	2,422185E+22
1683	2,527179E+22	2,535721E+22	2,503160E+22	2,503127E+22	2,535675E+22	2,527176E+22	2,422208E+22	2,248908E+22	2,111373E+22	2,111358E+22	2,248871E+22	2,422166E+22
1684	2,527149E+22	2,535692E+22	2,503180E+22	2,503212E+22	2,535774E+22	2,527251E+22	2,422231E+22	2,248883E+22	2,111330E+22	2,111323E+22	2,248862E+22	2,422198E+22
1685	2,527223E+22	2,535772E+22	2,503229E+22	2,503234E+22	2,535759E+22	2,527192E+22	2,422179E+22	2,248854E+22	2,111315E+22	2,111321E+22	2,248863E+22	2,422176E+22
1686	2,527157E+22	2,535656E+22	2,503073E+22	2,503086E+22	2,535679E+22	2,527171E+22	2,422178E+22	2,248856E+22	2,111309E+22	2,111308E+22	2,248863E+22	2,422203E+22
1687	2,527205E+22	2,535735E+22	2,503185E+22	2,503191E+22	2,535769E+22	2,527244E+22	2,422202E+22	2,248834E+22	2,111265E+22	2,111265E+22	2,248841E+22	2,422212E+22
1688	2,527235E+22	2,535757E+22	2,503181E+22	2,503141E+22	2,535665E+22	2,527159E+22	2,422179E+22	2,248836E+22	2,111267E+22	2,111261E+22	2,248818E+22	2,422160E+22
1689	2,527160E+22	2,535663E+22	2,503101E+22	2,503124E+22	2,535681E+22	2,527156E+22	2,422170E+22	2,248838E+22	2,111271E+22	2,111256E+22	2,248807E+22	2,422164E+22
1690	2,527217E+22	2,535794E+22	2,503248E+22	2,503248E+22	2,535794E+22	2,527214E+22	2,422154E+22	2,248801E+22	2,111259E+22	2,111277E+22	2,248843E+22	2,422168E+22
1691	2,527162E+22	2,535697E+22	2,503143E+22	2,503125E+22	2,535680E+22	2,527174E+22	2,422169E+22	2,248830E+22	2,111287E+22	2,111297E+22	2,248850E+22	2,422171E+22
1692	2,527141E+22	2,535642E+22	2,503111E+22	2,503165E+22	2,535758E+22	2,527254E+22	2,422233E+22	2,248862E+22	2,111286E+22	2,111279E+22	2,248838E+22	2,422199E+22
1693	2,527239E+22	2,535781E+22	2,503223E+22	2,503230E+22	2,535771E+22	2,527216E+22	2,422207E+22	2,248876E+22	2,111325E+22	2,111318E+22	2,248857E+22	2,422180E+22
1694	2,527181E+22	2,535694E+22	2,503103E+22	2,503085E+22	2,535653E+22	2,527153E+22	2,422193E+22	2,248908E+22	2,111382E+22	2,111370E+22	2,248886E+22	2,422191E+22
1695	2,527187E+22	2,535743E+22	2,503219E+22	2,503219E+22	2,535763E+22	2,527233E+22	2,422228E+22	2,248915E+22	2,111385E+22	2,111379E+22	2,248900E+22	2,422212E+22
1696	2,527226E+22	2,535788E+22	2,503260E+22	2,503238E+22	2,535727E+22	2,527170E+22	2,422192E+22	2,248909E+22	2,111408E+22	2,111419E+22	2,248928E+22	2,422197E+22
1697	2,527155E+22	2,535674E+22	2,503141E+22	2,503172E+22	2,535719E+22	2,527175E+22	2,422195E+22	2,248917E+22	2,111415E+22	2,111418E+22	2,248930E+22	2,422225E+22
1698	2,527227E+22	2,535797E+22	2,503282E+22	2,503297E+22	2,535839E+22	2,527265E+22	2,422224E+22	2,248904E+22	2,111397E+22	2,111417E+22	2,248947E+22	2,422240E+22
1699	2,527222E+22	2,535757E+22	2,503213E+22	2,503193E+22	2,535711E+22	2,527189E+22	2,422225E+22	2,248942E+22	2,111430E+22	2,111424E+22	2,248927E+22	2,422209E+22
1700	2,527179E+22	2,535695E+22	2,503156E+22	2,503188E+22	2,535752E+22	2,527237E+22	2,422260E+22	2,248958E+22	2,111424E+22	2,111398E+22	2,248894E+22	2,422199E+22
1701	2,527235E+22	2,535831E+22	2,503307E+22	2,503297E+22	2,535803E+22	2,527224E+22	2,422224E+22	2,248933E+22	2,111421E+22	2,111416E+22	2,248913E+22	2,422187E+22
1702	2,527168E+22	2,535712E+22	2,503167E+22	2,503146E+22	2,535676E+22	2,527150E+22	2,422185E+22	2,248920E+22	2,111426E+22	2,111427E+22	2,248930E+22	2,422200E+22
1703	2,527160E+22	2,535695E+22	2,503185E+22	2,503223E+22	2,535778E+22	2,527244E+22	2,422233E+22	2,248908E+22	2,111376E+22	2,111375E+22	2,248905E+22	2,422222E+22
1704	2,527231E+22	2,535773E+22	2,503226E+22	2,503231E+22	2,535752E+22	2,527193E+22	2,422195E+22	2,248882E+22	2,111354E+22	2,111364E+22	2,248899E+22	2,422198E+22
1705	2,527169E+22	2,535673E+22	2,503093E+22	2,503094E+22	2,535665E+22	2,527153E+22	2,422176E+22	2,248873E+22	2,111338E+22	2,111329E+22	2,248864E+22	2,422195E+22
1706	2,527213E+22	2,535774E+22	2,503236E+22	2,503226E+22	2,535771E+22	2,527230E+22	2,422199E+22	2,248851E+22	2,111306E+22	2,111312E+22	2,248862E+22	2,422194E+22
1707	2,527209E+22	2,535756E+22	2,503210E+22	2,503185E+22	2,535680E+22	2,527142E+22	2,422170E+22	2,248863E+22	2,111328E+22	2,111326E+22	2,248856E+22	2,422161E+22
1708	2,527143E+22	2,535656E+22	2,503102E+22	2,503146E+22	2,535722E+22	2,527192E+22	2,422190E+22	2,248864E+22	2,111318E+22	2,111309E+22	2,248840E+22	2,422161E+22
1709	2,527188E+22	2,535775E+22	2,503254E+22	2,503269E+22	2,535819E+22	2,527247E+22	2,422200E+22	2,248854E+22	2,111318E+22	2,111329E+22	2,248872E+22	2,422185E+22
1710	2,527171E+22	2,535694E+22	2,503134E+22	2,503121E+22	2,535672E+22	2,527167E+22	2,422188E+22	2,248880E+22	2,111355E+22	2,111360E+22	2,248892E+22	2,422197E+22
1711	2,527165E+22	2,535672E+22	2,503127E+22	2,503162E+22	2,535736E+22	2,527232E+22	2,422250E+22	2,248928E+22	2,111374E+22	2,111351E+22	2,248870E+22	2,422199E+22
1712	2,527234E+22	2,535798E+22	2,503248E+22	2,503240E+22	2,535755E+22	2,527198E+22	2,422216E+22	2,248926E+22	2,111410E+22	2,111407E+22	2,248912E+22	2,422190E+22
1713	2,527167E+22	2,535703E+22	2,503148E+22	2,503127E+22	2,535654E+22	2,527122E+22	2,422172E+22	2,248925E+22	2,111437E+22	2,111434E+22	2,248930E+22	2,422202E+22
1714	2,527184E+22	2,535758E+22	2,503261E+22	2,503271E+22	2,535793E+22	2,527229E+22	2,422214E+22	2,248919E+22	2,111430E+22	2,111450E+22	2,248961E+22	2,422237E+22
1715	2,527219E+22	2,535777E+22	2,503267E+22	2,503268E+22	2,535754E+22	2,527183E+22	2,422203E+22	2,248935E+22	2,111457E+22	2,111479E+22	2,248978E+22	2,422232E+22
1716	2,527179E+22	2,535690E+22	2,503139E+22	2,503169E+22	2,535738E+22	2,527211E+22	2,422233E+22	2,248958E+22	2,111458E+22	2,111451E+22	2,248943E+22	2,422220E+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	2,527223E+22	2,535815E+22	2,503309E+22	2,503311E+22	2,535838E+22	2,527274E+22	2,422265E+22	2,248971E+22	2,111469E+22	2,111461E+22	2,248949E+22	2,422228E+22
1718	2,527223E+22	2,535775E+22	2,503241E+22	2,503211E+22	2,535702E+22	2,527161E+22	2,422221E+22	2,248982E+22	2,111503E+22	2,111493E+22	2,248959E+22	2,422205E+22
1719	2,527169E+22	2,535708E+22	2,503187E+22	2,503215E+22	2,535751E+22	2,527210E+22	2,422253E+22	2,248999E+22	2,111496E+22	2,111470E+22	2,248935E+22	2,422193E+22
1720	2,527199E+22	2,535804E+22	2,503307E+22	2,503316E+22	2,535823E+22	2,527232E+22	2,422229E+22	2,248957E+22	2,111475E+22	2,111486E+22	2,248974E+22	2,422215E+22
1721	2,527155E+22	2,535693E+22	2,503170E+22	2,503159E+22	2,535683E+22	2,527149E+22	2,422185E+22	2,248926E+22	2,111444E+22	2,111456E+22	2,248960E+22	2,422226E+22
1722	2,527178E+22	2,535710E+22	2,503200E+22	2,503230E+22	2,535774E+22	2,527236E+22	2,422240E+22	2,248925E+22	2,111406E+22	2,111415E+22	2,248935E+22	2,422236E+22
1723	2,527240E+22	2,535786E+22	2,503237E+22	2,503234E+22	2,535743E+22	2,527181E+22	2,422203E+22	2,248918E+22	2,111410E+22	2,111413E+22	2,248923E+22	2,422207E+22
1724	2,527183E+22	2,535704E+22	2,503114E+22	2,503099E+22	2,535671E+22	2,527160E+22	2,422188E+22	2,248903E+22	2,111384E+22	2,111370E+22	2,248875E+22	2,422172E+22
1725	2,527185E+22	2,535781E+22	2,503277E+22	2,503269E+22	2,535790E+22	2,527230E+22	2,422215E+22	2,248895E+22	2,111368E+22	2,111363E+22	2,248882E+22	2,422192E+22
1726	2,527197E+22	2,535745E+22	2,503220E+22	2,503215E+22	2,535705E+22	2,527138E+22	2,422162E+22	2,248883E+22	2,111383E+22	2,111391E+22	2,248904E+22	2,422185E+22
1727	2,527147E+22	2,535656E+22	2,503105E+22	2,503152E+22	2,535729E+22	2,527198E+22	2,422216E+22	2,248913E+22	2,111378E+22	2,111367E+22	2,248879E+22	2,422174E+22
1728	2,527180E+22	2,535765E+22	2,503247E+22	2,503262E+22	2,535814E+22	2,527255E+22	2,422235E+22	2,248913E+22	2,111387E+22	2,111392E+22	2,248914E+22	2,422203E+22
1729	2,527172E+22	2,535707E+22	2,503160E+22	2,503126E+22	2,535650E+22	2,527138E+22	2,422187E+22	2,248917E+22	2,111415E+22	2,111413E+22	2,248916E+22	2,422198E+22
1730	2,527171E+22	2,535706E+22	2,503181E+22	2,503195E+22	2,535728E+22	2,527200E+22	2,422236E+22	2,248951E+22	2,111441E+22	2,111433E+22	2,248921E+22	2,422200E+22
1731	2,527216E+22	2,535799E+22	2,503280E+22	2,503281E+22	2,535770E+22	2,527179E+22	2,422201E+22	2,248950E+22	2,111479E+22	2,111490E+22	2,248973E+22	2,422214E+22
1732	2,527168E+22	2,535707E+22	2,503159E+22	2,503153E+22	2,535698E+22	2,527155E+22	2,422184E+22	2,248943E+22	2,111479E+22	2,111487E+22	2,248967E+22	2,422212E+22
1733	2,527175E+22	2,535757E+22	2,503284E+22	2,503306E+22	2,535825E+22	2,527260E+22	2,422256E+22	2,248969E+22	2,111483E+22	2,111489E+22	2,248982E+22	2,422257E+22
1734	2,527240E+22	2,535785E+22	2,503272E+22	2,503277E+22	2,535761E+22	2,527182E+22	2,422222E+22	2,248984E+22	2,111522E+22	2,111532E+22	2,249006E+22	2,422245E+22
1735	2,527196E+22	2,535719E+22	2,503166E+22	2,503176E+22	2,535730E+22	2,527204E+22	2,422263E+22	2,249027E+22	2,111539E+22	2,111515E+22	2,248965E+22	2,422205E+22
1736	2,527198E+22	2,535813E+22	2,503332E+22	2,503327E+22	2,535832E+22	2,527264E+22	2,422281E+22	2,249024E+22	2,111549E+22	2,111541E+22	2,248995E+22	2,422225E+22
1737	2,527189E+22	2,535763E+22	2,503267E+22	2,503238E+22	2,535701E+22	2,527134E+22	2,422203E+22	2,249000E+22	2,111554E+22	2,111554E+22	2,249003E+22	2,422219E+22
1738	2,527160E+22	2,535705E+22	2,503205E+22	2,503239E+22	2,535769E+22	2,527206E+22	2,422238E+22	2,248998E+22	2,111535E+22	2,111538E+22	2,248994E+22	2,422224E+22
1739	2,527200E+22	2,535787E+22	2,503293E+22	2,503311E+22	2,535825E+22	2,527232E+22	2,422234E+22	2,248975E+22	2,111512E+22	2,111532E+22	2,249018E+22	2,422256E+22
1740	2,527191E+22	2,535714E+22	2,503165E+22	2,503143E+22	2,535683E+22	2,527161E+22	2,422204E+22	2,248954E+22	2,111472E+22	2,111472E+22	2,248961E+22	2,422224E+22
1741	2,527187E+22	2,535742E+22	2,503241E+22	2,503250E+22	2,535767E+22	2,527225E+22	2,422255E+22	2,248970E+22	2,111457E+22	2,111438E+22	2,248926E+22	2,422225E+22
1742	2,527245E+22	2,535806E+22	2,503275E+22	2,503264E+22	2,535744E+22	2,527152E+22	2,422187E+22	2,248942E+22	2,111465E+22	2,111466E+22	2,248944E+22	2,422196E+22
1743	2,527170E+22	2,535717E+22	2,503155E+22	2,503138E+22	2,535688E+22	2,527152E+22	2,422193E+22	2,248941E+22	2,111444E+22	2,111430E+22	2,248905E+22	2,422158E+22
1744	2,527139E+22	2,535746E+22	2,503278E+22	2,503294E+22	2,535822E+22	2,527256E+22	2,422238E+22	2,248933E+22	2,111428E+22	2,111430E+22	2,248930E+22	2,422203E+22
1745	2,527171E+22	2,535722E+22	2,503224E+22	2,503223E+22	2,535715E+22	2,527148E+22	2,422181E+22	2,248917E+22	2,111428E+22	2,111436E+22	2,248937E+22	2,422204E+22
1746	2,527158E+22	2,535666E+22	2,503118E+22	2,503155E+22	2,535725E+22	2,527193E+22	2,422228E+22	2,248951E+22	2,111445E+22	2,111438E+22	2,248923E+22	2,422191E+22
1747	2,527186E+22	2,535768E+22	2,503252E+22	2,503257E+22	2,535799E+22	2,527238E+22	2,422244E+22	2,248963E+22	2,111469E+22	2,111472E+22	2,248964E+22	2,422227E+22
1748	2,527190E+22	2,535733E+22	2,503184E+22	2,503138E+22	2,535654E+22	2,527131E+22	2,422189E+22	2,248951E+22	2,111477E+22	2,111478E+22	2,248954E+22	2,422200E+22
1749	2,527159E+22	2,535719E+22	2,503230E+22	2,503245E+22	2,535748E+22	2,527189E+22	2,422234E+22	2,248987E+22	2,111506E+22	2,111496E+22	2,248963E+22	2,422226E+22
1750	2,527225E+22	2,535800E+22	2,503299E+22	2,503315E+22	2,535800E+22	2,527180E+22	2,422192E+22	2,248965E+22	2,111530E+22	2,111557E+22	2,249027E+22	2,422250E+22
1751	2,527191E+22	2,535728E+22	2,503183E+22	2,503169E+22	2,535708E+22	2,527168E+22	2,422216E+22	2,248991E+22	2,111530E+22	2,111533E+22	2,248994E+22	2,422219E+22
1752	2,527172E+22	2,535758E+22	2,503292E+22	2,503311E+22	2,535830E+22	2,527274E+22	2,422295E+22	2,249033E+22	2,111553E+22	2,111542E+22	2,249003E+22	2,422252E+22



Years	Longitude $\odot$											
	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
1753	2,527229E+22	2,535802E+22	2,503309E+22	2,503293E+22	2,535753E+22	2,527165E+22	2,422226E+22	2,249026E+22	2,111584E+22	2,111580E+22	2,249016E+22	2,422229E+22
1754	2,527183E+22	2,535736E+22	2,503211E+22	2,503208E+22	2,535728E+22	2,527181E+22	2,422251E+22	2,249053E+22	2,111610E+22	2,111598E+22	2,249010E+22	2,422198E+22
1755	2,527165E+22	2,535786E+22	2,503338E+22	2,503348E+22	2,535845E+22	2,527257E+22	2,422277E+22	2,249053E+22	2,111614E+22	2,111619E+22	2,249056E+22	2,422253E+22
1756	2,527187E+22	2,535751E+22	2,503258E+22	2,503243E+22	2,535726E+22	2,527157E+22	2,422212E+22	2,249015E+22	2,111590E+22	2,111599E+22	2,249040E+22	2,422237E+22
1757	2,527160E+22	2,535704E+22	2,503217E+22	2,503253E+22	2,535774E+22	2,527213E+22	2,422261E+22	2,249037E+22	2,111577E+22	2,111566E+22	2,249012E+22	2,422252E+22
1758	2,527233E+22	2,535803E+22	2,503299E+22	2,503308E+22	2,535816E+22	2,527216E+22	2,422232E+22	2,249005E+22	2,111562E+22	2,111574E+22	2,249038E+22	2,422268E+22
1759	2,527216E+22	2,535755E+22	2,503204E+22	2,503152E+22	2,535666E+22	2,527146E+22	2,422219E+22	2,249000E+22	2,111530E+22	2,111517E+22	2,248970E+22	2,422202E+22
1760	2,527164E+22	2,535744E+22	2,503274E+22	2,503281E+22	2,535775E+22	2,527219E+22	2,422264E+22	2,249011E+22	2,111521E+22	2,111499E+22	2,248955E+22	2,422211E+22
1761	2,527208E+22	2,535796E+22	2,503309E+22	2,503304E+22	2,535765E+22	2,527142E+22	2,422170E+22	2,248956E+22	2,111508E+22	2,111516E+22	2,248977E+22	2,422201E+22
1762	2,527154E+22	2,535705E+22	2,503172E+22	2,503167E+22	2,535716E+22	2,527165E+22	2,422191E+22	2,248950E+22	2,111492E+22	2,111502E+22	2,248960E+22	2,422180E+22
1763	2,527131E+22	2,535716E+22	2,503256E+22	2,503284E+22	2,535826E+22	2,527271E+22	2,422265E+22	2,248974E+22	2,111483E+22	2,111489E+22	2,248978E+22	2,422239E+22
1764	2,527197E+22	2,535732E+22	2,503212E+22	2,503203E+22	2,535711E+22	2,527157E+22	2,422205E+22	2,248963E+22	2,111484E+22	2,111480E+22	2,248955E+22	2,422208E+22
1765	2,527167E+22	2,535694E+22	2,503159E+22	2,503174E+22	2,535712E+22	2,527172E+22	2,422236E+22	2,249004E+22	2,111517E+22	2,111489E+22	2,248942E+22	2,422201E+22
1766	2,527202E+22	2,535789E+22	2,503286E+22	2,503282E+22	2,535791E+22	2,527200E+22	2,422218E+22	2,248988E+22	2,111538E+22	2,111548E+22	2,249011E+22	2,422240E+22
1767	2,527195E+22	2,535754E+22	2,503230E+22	2,503180E+22	2,535669E+22	2,527125E+22	2,422192E+22	2,248984E+22	2,111536E+22	2,111543E+22	2,248996E+22	2,422206E+22
1768	2,527138E+22	2,535705E+22	2,503249E+22	2,503281E+22	2,535783E+22	2,527215E+22	2,422254E+22	2,249019E+22	2,111559E+22	2,111554E+22	2,249005E+22	2,422238E+22
1769	2,527214E+22	2,535797E+22	2,503319E+22	2,503332E+22	2,535812E+22	2,527191E+22	2,422210E+22	2,249000E+22	2,111575E+22	2,111595E+22	2,249046E+22	2,422257E+22
1770	2,527200E+22	2,535748E+22	2,503212E+22	2,503187E+22	2,535715E+22	2,527174E+22	2,422233E+22	2,249035E+22	2,111604E+22	2,111604E+22	2,249024E+22	2,422215E+22
1771	2,527162E+22	2,535754E+22	2,503300E+22	2,503314E+22	2,535823E+22	2,527270E+22	2,422314E+22	2,249091E+22	2,111640E+22	2,111623E+22	2,249043E+22	2,422255E+22
1772	2,527224E+22	2,535807E+22	2,503324E+22	2,503309E+22	2,535760E+22	2,527162E+22	2,422233E+22	2,249068E+22	2,111655E+22	2,111648E+22	2,249053E+22	2,422226E+22
1773	2,527161E+22	2,535731E+22	2,503242E+22	2,503248E+22	2,535744E+22	2,527171E+22	2,422247E+22	2,249086E+22	2,111673E+22	2,111659E+22	2,249057E+22	2,422232E+22
1774	2,527175E+22	2,535773E+22	2,503331E+22	2,503355E+22	2,535851E+22	2,527251E+22	2,422266E+22	2,249063E+22	2,111659E+22	2,111681E+22	2,249111E+22	2,422295E+22
1775	2,527220E+22	2,535771E+22	2,503271E+22	2,503242E+22	2,535714E+22	2,527158E+22	2,422237E+22	2,249051E+22	2,111626E+22	2,111634E+22	2,249062E+22	2,422248E+22
1776	2,527170E+22	2,535717E+22	2,503233E+22	2,503259E+22	2,535767E+22	2,527209E+22	2,422276E+22	2,249077E+22	2,111629E+22	2,111605E+22	2,249025E+22	2,422242E+22
1777	2,527227E+22	2,535831E+22	2,503345E+22	2,503330E+22	2,535806E+22	2,527193E+22	2,422219E+22	2,249025E+22	2,111606E+22	2,111611E+22	2,249042E+22	2,422248E+22
1778	2,527204E+22	2,535774E+22	2,503258E+22	2,503202E+22	2,535683E+22	2,527134E+22	2,422200E+22	2,249011E+22	2,111586E+22	2,111585E+22	2,249001E+22	2,422187E+22
1779	2,527126E+22	2,535711E+22	2,503274E+22	2,503308E+22	2,535805E+22	2,527235E+22	2,422271E+22	2,249037E+22	2,111577E+22	2,111564E+22	2,249002E+22	2,422226E+22
1780	2,527197E+22	2,535773E+22	2,503293E+22	2,503313E+22	2,535798E+22	2,527180E+22	2,422199E+22	2,248984E+22	2,111547E+22	2,111556E+22	2,249006E+22	2,422213E+22
1781	2,527151E+22	2,535696E+22	2,503175E+22	2,503176E+22	2,535717E+22	2,527178E+22	2,422226E+22	2,249006E+22	2,111549E+22	2,111540E+22	2,248988E+22	2,422212E+22
1782	2,527161E+22	2,535723E+22	2,503248E+22	2,503269E+22	2,535805E+22	2,527257E+22	2,422272E+22	2,249019E+22	2,111556E+22	2,111556E+22	2,249017E+22	2,422260E+22
1783	2,527226E+22	2,535774E+22	2,503249E+22	2,503205E+22	2,535678E+22	2,527134E+22	2,422218E+22	2,249011E+22	2,111555E+22	2,111547E+22	2,248986E+22	2,422202E+22
1784	2,527154E+22	2,535702E+22	2,503196E+22	2,503207E+22	2,535712E+22	2,527152E+22	2,422228E+22	2,249039E+22	2,111590E+22	2,111566E+22	2,248988E+22	2,422201E+22
1785	2,527184E+22	2,535797E+22	2,503328E+22	2,503325E+22	2,535810E+22	2,527186E+22	2,422192E+22	2,248993E+22	2,111583E+22	2,111604E+22	2,249051E+22	2,422256E+22
1786	2,527197E+22	2,535762E+22	2,503261E+22	2,503222E+22	2,535699E+22	2,527138E+22	2,422187E+22	2,248991E+22	2,111584E+22	2,111609E+22	2,249039E+22	2,422221E+22
1787	2,527137E+22	2,535693E+22	2,503244E+22	2,503286E+22	2,535795E+22	2,527238E+22	2,422290E+22	2,249069E+22	2,111618E+22	2,111607E+22	2,249037E+22	2,422255E+22
1788	2,527230E+22	2,535813E+22	2,503327E+22	2,503337E+22	2,535819E+22	2,527206E+22	2,422240E+22	2,249055E+22	2,111639E+22	2,111639E+22	2,249054E+22	2,422240E+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	2,527189E+22	2,535765E+22	2,503257E+22	2,503222E+22	2,535712E+22	2,527164E+22	2,422251E+22	2,249095E+22	2,111686E+22	2,111666E+22	2,249049E+22	2,422216E+22
1790	2,527154E+22	2,535751E+22	2,503315E+22	2,503337E+22	2,535823E+22	2,527248E+22	2,422301E+22	2,249124E+22	2,111720E+22	2,111712E+22	2,249100E+22	2,422267E+22
1791	2,527217E+22	2,535810E+22	2,503345E+22	2,503331E+22	2,535765E+22	2,527163E+22	2,422245E+22	2,249102E+22	2,111716E+22	2,111721E+22	2,249105E+22	2,422240E+22
1792	2,527146E+22	2,535711E+22	2,503242E+22	2,503265E+22	2,535760E+22	2,527186E+22	2,422264E+22	2,249118E+22	2,111725E+22	2,111717E+22	2,249102E+22	2,422254E+22
1793	2,527182E+22	2,535785E+22	2,503345E+22	2,503359E+22	2,535843E+22	2,527241E+22	2,422267E+22	2,249086E+22	2,111695E+22	2,111713E+22	2,249131E+22	2,422311E+22
1794	2,527244E+22	2,535804E+22	2,503304E+22	2,503263E+22	2,535713E+22	2,527149E+22	2,422232E+22	2,249073E+22	2,111681E+22	2,111690E+22	2,249084E+22	2,422243E+22
1795	2,527167E+22	2,535726E+22	2,503252E+22	2,503272E+22	2,535764E+22	2,527205E+22	2,422286E+22	2,249112E+22	2,111687E+22	2,111662E+22	2,249053E+22	2,422238E+22
1796	2,527218E+22	2,535835E+22	2,503363E+22	2,503359E+22	2,535826E+22	2,527197E+22	2,422224E+22	2,249051E+22	2,111653E+22	2,111657E+22	2,249063E+22	2,422235E+22
1797	2,527176E+22	2,535765E+22	2,503284E+22	2,503250E+22	2,535714E+22	2,527147E+22	2,422208E+22	2,249039E+22	2,111634E+22	2,111631E+22	2,249039E+22	2,422214E+22
1798	2,527130E+22	2,535690E+22	2,503251E+22	2,503304E+22	2,535811E+22	2,527244E+22	2,422279E+22	2,249060E+22	2,111624E+22	2,111622E+22	2,249049E+22	2,422256E+22
1799	2,527219E+22	2,535785E+22	2,503291E+22	2,503299E+22	2,535774E+22	2,527184E+22	2,422239E+22	2,249037E+22	2,111599E+22	2,111600E+22	2,249028E+22	2,422220E+22
1800	2,527156E+22	2,535707E+22	2,503188E+22	2,503179E+22	2,535698E+22	2,527161E+22	2,422237E+22	2,249054E+22	2,111617E+22	2,111595E+22	2,249008E+22	2,422202E+22
1801	2,527157E+22	2,535755E+22	2,503291E+22	2,503283E+22	2,535775E+22	2,527212E+22	2,422247E+22	2,249039E+22	2,111611E+22	2,111612E+22	2,249041E+22	2,422253E+22
1802	2,527221E+22	2,535798E+22	2,503302E+22	2,503259E+22	2,535692E+22	2,527113E+22	2,422187E+22	2,249017E+22	2,111616E+22	2,111628E+22	2,249034E+22	2,422201E+22
1803	2,527129E+22	2,535687E+22	2,503208E+22	2,503242E+22	2,535743E+22	2,527167E+22	2,422231E+22	2,249056E+22	2,111640E+22	2,111633E+22	2,249040E+22	2,422223E+22
1804	2,527182E+22	2,535788E+22	2,503329E+22	2,503351E+22	2,535846E+22	2,527221E+22	2,422220E+22	2,249024E+22	2,111624E+22	2,111644E+22	2,249074E+22	2,422261E+22
1805	2,527197E+22	2,535767E+22	2,503283E+22	2,503256E+22	2,535720E+22	2,527159E+22	2,422225E+22	2,249052E+22	2,111647E+22	2,111650E+22	2,249062E+22	2,422239E+22
1806	2,527152E+22	2,535700E+22	2,503242E+22	2,503285E+22	2,535789E+22	2,527237E+22	2,422310E+22	2,249127E+22	2,111704E+22	2,111684E+22	2,249075E+22	2,422258E+22
1807	2,527233E+22	2,535838E+22	2,503361E+22	2,503349E+22	2,535798E+22	2,527199E+22	2,422273E+22	2,249119E+22	2,111724E+22	2,111719E+22	2,249094E+22	2,422232E+22
1808	2,527162E+22	2,535756E+22	2,503282E+22	2,503258E+22	2,535718E+22	2,527150E+22	2,422253E+22	2,249141E+22	2,111770E+22	2,111756E+22	2,249109E+22	2,422224E+22
1809	2,527137E+22	2,535749E+22	2,503333E+22	2,503358E+22	2,535828E+22	2,527233E+22	2,422282E+22	2,249133E+22	2,111770E+22	2,111780E+22	2,249158E+22	2,422301E+22
1810	2,527232E+22	2,535820E+22	2,503360E+22	2,503351E+22	2,535779E+22	2,527166E+22	2,422236E+22	2,249107E+22	2,111761E+22	2,111786E+22	2,249155E+22	2,422270E+22
1811	2,527162E+22	2,535715E+22	2,503237E+22	2,503259E+22	2,535756E+22	2,527192E+22	2,422284E+22	2,249152E+22	2,111770E+22	2,111759E+22	2,249131E+22	2,422275E+22
1812	2,527210E+22	2,535815E+22	2,503365E+22	2,503372E+22	2,535842E+22	2,527237E+22	2,422278E+22	2,249119E+22	2,111738E+22	2,111739E+22	2,249127E+22	2,422292E+22
1813	2,527238E+22	2,535831E+22	2,503358E+22	2,503313E+22	2,535721E+22	2,527137E+22	2,422236E+22	2,249109E+22	2,111733E+22	2,111726E+22	2,249096E+22	2,422236E+22
1814	2,527152E+22	2,535722E+22	2,503268E+22	2,503303E+22	2,535780E+22	2,527199E+22	2,422282E+22	2,249137E+22	2,111744E+22	2,111727E+22	2,249092E+22	2,422237E+22
1815	2,527199E+22	2,535831E+22	2,503379E+22	2,503380E+22	2,535837E+22	2,527218E+22	2,422253E+22	2,249081E+22	2,111697E+22	2,111707E+22	2,249095E+22	2,422234E+22
1816	2,527148E+22	2,535735E+22	2,503272E+22	2,503259E+22	2,535726E+22	2,527165E+22	2,422240E+22	2,249083E+22	2,111689E+22	2,111685E+22	2,249073E+22	2,422221E+22
1817	2,527129E+22	2,535696E+22	2,503247E+22	2,503290E+22	2,535791E+22	2,527230E+22	2,422286E+22	2,249093E+22	2,111674E+22	2,111667E+22	2,249075E+22	2,422268E+22
1818	2,527235E+22	2,535812E+22	2,503313E+22	2,503305E+22	2,535758E+22	2,527161E+22	2,422227E+22	2,249065E+22	2,111670E+22	2,111672E+22	2,249064E+22	2,422220E+22
1819	2,527151E+22	2,535716E+22	2,503205E+22	2,503189E+22	2,535686E+22	2,527141E+22	2,422236E+22	2,249087E+22	2,111682E+22	2,111666E+22	2,249054E+22	2,422214E+22
1820	2,527155E+22	2,535764E+22	2,503320E+22	2,503325E+22	2,535793E+22	2,527197E+22	2,422233E+22	2,249054E+22	2,111657E+22	2,111665E+22	2,249076E+22	2,422257E+22
1821	2,527207E+22	2,535799E+22	2,503337E+22	2,503317E+22	2,535733E+22	2,527126E+22	2,422189E+22	2,249033E+22	2,111655E+22	2,111673E+22	2,249078E+22	2,422236E+22
1822	2,527140E+22	2,535681E+22	2,503201E+22	2,503252E+22	2,535761E+22	2,527188E+22	2,422253E+22	2,249086E+22	2,111688E+22	2,111688E+22	2,249082E+22	2,422246E+22
1823	2,527201E+22	2,535811E+22	2,503345E+22	2,503350E+22	2,535834E+22	2,527240E+22	2,422275E+22	2,249086E+22	2,111686E+22	2,111691E+22	2,249090E+22	2,422254E+22
1824	2,527189E+22	2,535778E+22	2,503306E+22	2,503275E+22	2,535719E+22	2,527156E+22	2,422254E+22	2,249121E+22	2,111738E+22	2,111722E+22	2,249085E+22	2,422219E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ☉	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1825	2,527138E+22	2,535723E+22	2,503276E+22	2,503302E+22	2,535774E+22	2,527206E+22	2,422300E+22	2,249164E+22	2,111782E+22	2,111763E+22	2,249117E+22	2,422256E+22
1826	2,527216E+22	2,535844E+22	2,503396E+22	2,503393E+22	2,535815E+22	2,527182E+22	2,422252E+22	2,249141E+22	2,111803E+22	2,111814E+22	2,249157E+22	2,422247E+22
1827	2,527142E+22	2,535736E+22	2,503280E+22	2,503276E+22	2,535737E+22	2,527161E+22	2,422263E+22	2,249166E+22	2,111825E+22	2,111827E+22	2,249173E+22	2,422264E+22
1828	2,527150E+22	2,535746E+22	2,503332E+22	2,503370E+22	2,535838E+22	2,527241E+22	2,422299E+22	2,249161E+22	2,111807E+22	2,111818E+22	2,249186E+22	2,422320E+22
1829	2,527249E+22	2,535844E+22	2,503389E+22	2,503379E+22	2,535790E+22	2,527171E+22	2,422257E+22	2,249149E+22	2,111806E+22	2,111816E+22	2,249177E+22	2,422293E+22
1830	2,527186E+22	2,535743E+22	2,503254E+22	2,503262E+22	2,535747E+22	2,527180E+22	2,422288E+22	2,249187E+22	2,111830E+22	2,111814E+22	2,249154E+22	2,422270E+22
1831	2,527211E+22	2,535846E+22	2,503409E+22	2,503391E+22	2,535828E+22	2,527231E+22	2,422304E+22	2,249163E+22	2,111797E+22	2,111791E+22	2,249145E+22	2,422270E+22
1832	2,527201E+22	2,535818E+22	2,503384E+22	2,503362E+22	2,535750E+22	2,527134E+22	2,422240E+22	2,249144E+22	2,111796E+22	2,111789E+22	2,249128E+22	2,422225E+22
1833	2,527123E+22	2,535711E+22	2,503270E+22	2,503315E+22	2,535791E+22	2,527195E+22	2,422273E+22	2,249146E+22	2,111783E+22	2,111778E+22	2,249133E+22	2,422255E+22
1834	2,527194E+22	2,535821E+22	2,503377E+22	2,503387E+22	2,535846E+22	2,527223E+22	2,422258E+22	2,249104E+22	2,111745E+22	2,111763E+22	2,249136E+22	2,422252E+22
1835	2,527151E+22	2,535730E+22	2,503258E+22	2,503240E+22	2,535710E+22	2,527161E+22	2,422261E+22	2,249124E+22	2,111742E+22	2,111733E+22	2,249106E+22	2,422240E+22
1836	2,527145E+22	2,535715E+22	2,503262E+22	2,503294E+22	2,535773E+22	2,527203E+22	2,422284E+22	2,249125E+22	2,111726E+22	2,111710E+22	2,249087E+22	2,422260E+22
1837	2,527230E+22	2,535837E+22	2,503363E+22	2,503350E+22	2,535765E+22	2,527140E+22	2,422216E+22	2,249088E+22	2,111718E+22	2,111721E+22	2,249099E+22	2,422234E+22
1838	2,527145E+22	2,535718E+22	2,503223E+22	2,503220E+22	2,535706E+22	2,527134E+22	2,422223E+22	2,249099E+22	2,111731E+22	2,111731E+22	2,249103E+22	2,422230E+22
1839	2,527151E+22	2,535771E+22	2,503343E+22	2,503351E+22	2,535813E+22	2,527224E+22	2,422268E+22	2,249084E+22	2,111697E+22	2,111710E+22	2,249107E+22	2,422265E+22
1840	2,527194E+22	2,535786E+22	2,503344E+22	2,503346E+22	2,535762E+22	2,527152E+22	2,422230E+22	2,249088E+22	2,111715E+22	2,111723E+22	2,249103E+22	2,422236E+22
1841	2,527142E+22	2,535700E+22	2,503213E+22	2,503251E+22	2,535754E+22	2,527186E+22	2,422274E+22	2,249138E+22	2,111756E+22	2,111745E+22	2,249109E+22	2,422248E+22
1842	2,527202E+22	2,535834E+22	2,503376E+22	2,503368E+22	2,535831E+22	2,527229E+22	2,422282E+22	2,249138E+22	2,111779E+22	2,111778E+22	2,249130E+22	2,422248E+22
1843	2,527169E+22	2,535777E+22	2,503321E+22	2,503287E+22	2,535714E+22	2,527143E+22	2,422267E+22	2,249174E+22	2,111826E+22	2,111815E+22	2,249147E+22	2,422237E+22
1844	2,527129E+22	2,535719E+22	2,503296E+22	2,503336E+22	2,535788E+22	2,527188E+22	2,422289E+22	2,249191E+22	2,111846E+22	2,111836E+22	2,249170E+22	2,422277E+22
1845	2,527212E+22	2,535843E+22	2,503418E+22	2,503431E+22	2,535842E+22	2,527187E+22	2,422252E+22	2,249158E+22	2,111845E+22	2,111869E+22	2,249217E+22	2,422299E+22
1846	2,527166E+22	2,535740E+22	2,503277E+22	2,503274E+22	2,535739E+22	2,527165E+22	2,422276E+22	2,249193E+22	2,111869E+22	2,111878E+22	2,249216E+22	2,422298E+22
1847	2,527184E+22	2,535787E+22	2,503364E+22	2,503372E+22	2,535819E+22	2,527239E+22	2,422331E+22	2,249206E+22	2,111854E+22	2,111849E+22	2,249191E+22	2,422309E+22
1848	2,527245E+22	2,535864E+22	2,503427E+22	2,503410E+22	2,535795E+22	2,527160E+22	2,422269E+22	2,249196E+22	2,111873E+22	2,111867E+22	2,249181E+22	2,422259E+22
1849	2,527166E+22	2,535768E+22	2,503296E+22	2,503292E+22	2,535750E+22	2,527159E+22	2,422276E+22	2,249208E+22	2,111884E+22	2,111871E+22	2,249179E+22	2,422254E+22
1850	2,527178E+22	2,535839E+22	2,503438E+22	2,503435E+22	2,535859E+22	2,527229E+22	2,422289E+22	2,249182E+22	2,111858E+22	2,111860E+22	2,249185E+22	2,422267E+22
1851	2,527166E+22	2,535780E+22	2,503367E+22	2,503368E+22	2,535775E+22	2,527159E+22	2,422265E+22	2,249178E+22	2,111846E+22	2,111846E+22	2,249177E+22	2,422252E+22
1852	2,527123E+22	2,535691E+22	2,503253E+22	2,503312E+22	2,535794E+22	2,527199E+22	2,422293E+22	2,249181E+22	2,111823E+22	2,111813E+22	2,249157E+22	2,422272E+22
1853	2,527203E+22	2,535827E+22	2,503384E+22	2,503392E+22	2,535845E+22	2,527219E+22	2,422273E+22	2,249143E+22	2,111791E+22	2,111802E+22	2,249168E+22	2,422281E+22
1854	2,527170E+22	2,535747E+22	2,503266E+22	2,503230E+22	2,535688E+22	2,527140E+22	2,422261E+22	2,249156E+22	2,111801E+22	2,111795E+22	2,249145E+22	2,422253E+22
1855	2,527155E+22	2,535748E+22	2,503307E+22	2,503310E+22	2,535753E+22	2,527182E+22	2,422291E+22	2,249156E+22	2,111778E+22	2,111764E+22	2,249119E+22	2,422257E+22
1856	2,527209E+22	2,535834E+22	2,503395E+22	2,503398E+22	2,535797E+22	2,527137E+22	2,422212E+22	2,249113E+22	2,111774E+22	2,111782E+22	2,249134E+22	2,422236E+22
1857	2,527140E+22	2,535729E+22	2,503240E+22	2,503238E+22	2,535726E+22	2,527140E+22	2,422220E+22	2,249109E+22	2,111767E+22	2,111778E+22	2,249140E+22	2,422250E+22
1858	2,527158E+22	2,535778E+22	2,503358E+22	2,503369E+22	2,535830E+22	2,527234E+22	2,422284E+22	2,249124E+22	2,111756E+22	2,111761E+22	2,249133E+22	2,422271E+22
1859	2,527194E+22	2,535790E+22	2,503348E+22	2,503344E+22	2,535762E+22	2,527158E+22	2,422265E+22	2,249152E+22	2,111789E+22	2,111781E+22	2,249130E+22	2,422240E+22
1860	2,527142E+22	2,535712E+22	2,503241E+22	2,503267E+22	2,535743E+22	2,527163E+22	2,422282E+22	2,249189E+22	2,111833E+22	2,111809E+22	2,249132E+22	2,422236E+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	2,527182E+22	2,535839E+22	2,503419E+22	2,503415E+22	2,535848E+22	2,527217E+22	2,422280E+22	2,249176E+22	2,111846E+22	2,111854E+22	2,249189E+22	2,422270E+22
1862	2,527157E+22	2,535768E+22	2,503332E+22	2,503309E+22	2,535729E+22	2,527137E+22	2,422258E+22	2,249197E+22	2,111891E+22	2,111899E+22	2,249215E+22	2,422269E+22
1863	2,527134E+22	2,535725E+22	2,503313E+22	2,503344E+22	2,535790E+22	2,527201E+22	2,422314E+22	2,249223E+22	2,111895E+22	2,111892E+22	2,249212E+22	2,422300E+22
1864	2,527216E+22	2,535842E+22	2,503430E+22	2,503452E+22	2,535860E+22	2,527199E+22	2,422277E+22	2,249207E+22	2,111904E+22	2,111918E+22	2,249239E+22	2,422303E+22
1865	2,527186E+22	2,535776E+22	2,503301E+22	2,503277E+22	2,535730E+22	2,527151E+22	2,422278E+22	2,249226E+22	2,111923E+22	2,111925E+22	2,249234E+22	2,422298E+22
1866	2,527190E+22	2,535816E+22	2,503409E+22	2,503403E+22	2,535823E+22	2,527223E+22	2,422329E+22	2,249247E+22	2,111928E+22	2,111912E+22	2,249214E+22	2,422294E+22
1867	2,527219E+22	2,535859E+22	2,503450E+22	2,503438E+22	2,535810E+22	2,527158E+22	2,422279E+22	2,249238E+22	2,111939E+22	2,111934E+22	2,249223E+22	2,422261E+22
1868	2,527140E+22	2,535746E+22	2,503311E+22	2,503328E+22	2,535774E+22	2,527157E+22	2,422271E+22	2,249229E+22	2,111933E+22	2,111925E+22	2,249216E+22	2,422263E+22
1869	2,527160E+22	2,535815E+22	2,503439E+22	2,503458E+22	2,535891E+22	2,527253E+22	2,422305E+22	2,249200E+22	2,111888E+22	2,111904E+22	2,249235E+22	2,422308E+22
1870	2,527178E+22	2,535770E+22	2,503344E+22	2,503342E+22	2,535763E+22	2,527165E+22	2,422286E+22	2,249215E+22	2,111893E+22	2,111893E+22	2,249214E+22	2,422282E+22
1871	2,527153E+22	2,535721E+22	2,503270E+22	2,503291E+22	2,535757E+22	2,527187E+22	2,422318E+22	2,249228E+22	2,111876E+22	2,111849E+22	2,249167E+22	2,422269E+22
1872	2,527206E+22	2,535846E+22	2,503417E+22	2,503411E+22	2,535836E+22	2,527194E+22	2,422271E+22	2,249184E+22	2,111858E+22	2,111856E+22	2,249180E+22	2,422263E+22
1873	2,527166E+22	2,535776E+22	2,503309E+22	2,503257E+22	2,535686E+22	2,527109E+22	2,422233E+22	2,249165E+22	2,111846E+22	2,111850E+22	2,249178E+22	2,422254E+22
1874	2,527142E+22	2,535753E+22	2,503347E+22	2,503359E+22	2,535786E+22	2,527178E+22	2,422271E+22	2,249168E+22	2,111829E+22	2,111821E+22	2,249155E+22	2,422262E+22
1875	2,527190E+22	2,535813E+22	2,503394E+22	2,503414E+22	2,535828E+22	2,527168E+22	2,422241E+22	2,249148E+22	2,111820E+22	2,111831E+22	2,249172E+22	2,422256E+22
1876	2,527142E+22	2,535720E+22	2,503249E+22	2,503255E+22	2,535740E+22	2,527151E+22	2,422246E+22	2,249156E+22	2,111821E+22	2,111819E+22	2,249157E+22	2,422253E+22
1877	2,527159E+22	2,535784E+22	2,503377E+22	2,503386E+22	2,535841E+22	2,527241E+22	2,422307E+22	2,249176E+22	2,111821E+22	2,111817E+22	2,249167E+22	2,422282E+22
1878	2,527193E+22	2,535796E+22	2,503360E+22	2,503342E+22	2,535749E+22	2,527148E+22	2,422278E+22	2,249208E+22	2,111877E+22	2,111867E+22	2,249181E+22	2,422252E+22
1879	2,527140E+22	2,535728E+22	2,503280E+22	2,503285E+22	2,535731E+22	2,527147E+22	2,422291E+22	2,249233E+22	2,111907E+22	2,111886E+22	2,249181E+22	2,422245E+22
1880	2,527163E+22	2,535823E+22	2,503436E+22	2,503450E+22	2,535873E+22	2,527213E+22	2,422276E+22	2,249207E+22	2,111916E+22	2,111931E+22	2,249239E+22	2,422289E+22
1881	2,527167E+22	2,535778E+22	2,503342E+22	2,503316E+22	2,535735E+22	2,527137E+22	2,422254E+22	2,249209E+22	2,111931E+22	2,111956E+22	2,249265E+22	2,422305E+22
1882	2,527160E+22	2,535749E+22	2,503338E+22	2,503361E+22	2,535794E+22	2,527193E+22	2,422315E+22	2,249258E+22	2,111952E+22	2,111939E+22	2,249238E+22	2,422310E+22
1883	2,527227E+22	2,535861E+22	2,503450E+22	2,503457E+22	2,535859E+22	2,527199E+22	2,422298E+22	2,249258E+22	2,111971E+22	2,111970E+22	2,249257E+22	2,422300E+22
1884	2,527184E+22	2,535793E+22	2,503348E+22	2,503317E+22	2,535733E+22	2,527133E+22	2,422275E+22	2,249261E+22	2,111984E+22	2,111974E+22	2,249245E+22	2,422275E+22
1885	2,527163E+22	2,535814E+22	2,503447E+22	2,503457E+22	2,535857E+22	2,527227E+22	2,422329E+22	2,249273E+22	2,111977E+22	2,111970E+22	2,249256E+22	2,422300E+22
1886	2,527193E+22	2,535835E+22	2,503449E+22	2,503453E+22	2,535833E+22	2,527176E+22	2,422291E+22	2,249268E+22	2,111995E+22	2,112001E+22	2,249275E+22	2,422284E+22
1887	2,527137E+22	2,535736E+22	2,503313E+22	2,503321E+22	2,535771E+22	2,527181E+22	2,422308E+22	2,249269E+22	2,111979E+22	2,111970E+22	2,249248E+22	2,422279E+22
1888	2,527159E+22	2,535801E+22	2,503430E+22	2,503457E+22	2,535891E+22	2,527260E+22	2,422332E+22	2,249254E+22	2,111951E+22	2,111952E+22	2,249252E+22	2,422312E+22
1889	2,527201E+22	2,535801E+22	2,503356E+22	2,503327E+22	2,535734E+22	2,527139E+22	2,422279E+22	2,249243E+22	2,111949E+22	2,111947E+22	2,249241E+22	2,422290E+22
1890	2,527167E+22	2,535753E+22	2,503312E+22	2,503312E+22	2,535742E+22	2,527149E+22	2,422294E+22	2,249257E+22	2,111944E+22	2,111912E+22	2,249196E+22	2,422265E+22
1891	2,527194E+22	2,535849E+22	2,503445E+22	2,503442E+22	2,535845E+22	2,527179E+22	2,422262E+22	2,249210E+22	2,111915E+22	2,111919E+22	2,249223E+22	2,422274E+22
1892	2,527154E+22	2,535765E+22	2,503337E+22	2,503305E+22	2,535713E+22	2,527105E+22	2,422217E+22	2,249169E+22	2,111880E+22	2,111893E+22	2,249208E+22	2,422265E+22
1893	2,527136E+22	2,535743E+22	2,503360E+22	2,503393E+22	2,535826E+22	2,527211E+22	2,422290E+22	2,249184E+22	2,111851E+22	2,111856E+22	2,249194E+22	2,422289E+22
1894	2,527200E+22	2,535813E+22	2,503390E+22	2,503406E+22	2,535828E+22	2,527185E+22	2,422272E+22	2,249195E+22	2,111874E+22	2,111877E+22	2,249197E+22	2,422267E+22
1895	2,527155E+22	2,535743E+22	2,503274E+22	2,503248E+22	2,535716E+22	2,527151E+22	2,422277E+22	2,249215E+22	2,111893E+22	2,111872E+22	2,249170E+22	2,422238E+22
1896	2,527143E+22	2,535784E+22	2,503402E+22	2,503412E+22	2,535845E+22	2,527232E+22	2,422317E+22	2,249232E+22	2,111910E+22	2,111895E+22	2,249193E+22	2,422265E+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	2,527181E+22	2,535807E+22	2,503385E+22	2,503363E+22	2,535748E+22	2,527124E+22	2,422258E+22	2,249229E+22	2,111945E+22	2,111950E+22	2,249239E+22	2,422269E+22
1898	2,527132E+22	2,535727E+22	2,503305E+22	2,503321E+22	2,535750E+22	2,527138E+22	2,422276E+22	2,249258E+22	2,111974E+22	2,111959E+22	2,249236E+22	2,422272E+22
1899	2,527163E+22	2,535812E+22	2,503435E+22	2,503458E+22	2,535885E+22	2,527229E+22	2,422300E+22	2,249248E+22	2,111972E+22	2,111990E+22	2,249286E+22	2,422321E+22
1900	2,527184E+22	2,535785E+22	2,503364E+22	2,503340E+22	2,535738E+22	2,527132E+22	2,422266E+22	2,249247E+22	2,111983E+22	2,111996E+22	2,249282E+22	2,422311E+22
1901	2,527173E+22	2,535775E+22	2,503375E+22	2,503391E+22	2,535809E+22	2,527202E+22	2,422330E+22	2,249294E+22	2,112004E+22	2,111992E+22	2,249268E+22	2,422313E+22
1902	2,527225E+22	2,535877E+22	2,503478E+22	2,503471E+22	2,535855E+22	2,527197E+22	2,422313E+22	2,249306E+22	2,112046E+22	2,112043E+22	2,249296E+22	2,422299E+22
1903	2,527172E+22	2,535803E+22	2,503386E+22	2,503345E+22	2,535739E+22	2,527137E+22	2,422289E+22	2,249303E+22	2,112052E+22	2,112041E+22	2,249281E+22	2,422273E+22
1904	2,527136E+22	2,535786E+22	2,503450E+22	2,503490E+22	2,535891E+22	2,527245E+22	2,422341E+22	2,249309E+22	2,112043E+22	2,112037E+22	2,249291E+22	2,422308E+22
1905	2,527197E+22	2,535832E+22	2,503438E+22	2,503445E+22	2,535829E+22	2,527180E+22	2,422300E+22	2,249291E+22	2,112040E+22	2,112054E+22	2,249319E+22	2,422315E+22
1906	2,527158E+22	2,535752E+22	2,503325E+22	2,503321E+22	2,535752E+22	2,527159E+22	2,422311E+22	2,249312E+22	2,112038E+22	2,112015E+22	2,249271E+22	2,422289E+22
1907	2,527171E+22	2,535817E+22	2,503440E+22	2,503448E+22	2,535865E+22	2,527241E+22	2,422339E+22	2,249296E+22	2,112014E+22	2,112007E+22	2,249277E+22	2,422313E+22
1908	2,527201E+22	2,535818E+22	2,503402E+22	2,503367E+22	2,535727E+22	2,527105E+22	2,422256E+22	2,249255E+22	2,111994E+22	2,111994E+22	2,249261E+22	2,422280E+22
1909	2,527153E+22	2,535760E+22	2,503353E+22	2,503369E+22	2,535778E+22	2,527148E+22	2,422273E+22	2,249251E+22	2,111968E+22	2,111961E+22	2,249240E+22	2,422275E+22
1910	2,527177E+22	2,535834E+22	2,503447E+22	2,503460E+22	2,535870E+22	2,527203E+22	2,422272E+22	2,249227E+22	2,111953E+22	2,111968E+22	2,249263E+22	2,422294E+22
1911	2,527157E+22	2,535764E+22	2,503346E+22	2,503314E+22	2,535725E+22	2,527139E+22	2,422256E+22	2,249208E+22	2,111919E+22	2,111924E+22	2,249223E+22	2,422267E+22
1912	2,527131E+22	2,535730E+22	2,503355E+22	2,503402E+22	2,535838E+22	2,527230E+22	2,422327E+22	2,249245E+22	2,111921E+22	2,111904E+22	2,249198E+22	2,422275E+22
1913	2,527207E+22	2,535833E+22	2,503400E+22	2,503397E+22	2,535807E+22	2,527175E+22	2,422284E+22	2,249240E+22	2,111948E+22	2,111946E+22	2,249231E+22	2,422269E+22
1914	2,527153E+22	2,535762E+22	2,503311E+22	2,503274E+22	2,535699E+22	2,527116E+22	2,422270E+22	2,249264E+22	2,111980E+22	2,111954E+22	2,249216E+22	2,422240E+22
1915	2,527124E+22	2,535775E+22	2,503413E+22	2,503432E+22	2,535846E+22	2,527219E+22	2,422314E+22	2,249270E+22	2,111987E+22	2,111983E+22	2,249257E+22	2,422290E+22
1916	2,527174E+22	2,535795E+22	2,503405E+22	2,503400E+22	2,535764E+22	2,527118E+22	2,422242E+22	2,249237E+22	2,111991E+22	2,112012E+22	2,249289E+22	2,422298E+22
1917	2,527147E+22	2,535734E+22	2,503320E+22	2,503348E+22	2,535775E+22	2,527156E+22	2,422285E+22	2,249270E+22	2,112002E+22	2,112006E+22	2,249285E+22	2,422306E+22
1918	2,527189E+22	2,535833E+22	2,503446E+22	2,503457E+22	2,535875E+22	2,527232E+22	2,422324E+22	2,249296E+22	2,112033E+22	2,112039E+22	2,249312E+22	2,422333E+22
1919	2,527206E+22	2,535826E+22	2,503411E+22	2,503358E+22	2,535728E+22	2,527131E+22	2,422287E+22	2,249298E+22	2,112051E+22	2,112046E+22	2,249289E+22	2,422287E+22
1920	2,527154E+22	2,535782E+22	2,503416E+22	2,503440E+22	2,535832E+22	2,527204E+22	2,422343E+22	2,249345E+22	2,112085E+22	2,112061E+22	2,249284E+22	2,422284E+22
1921	2,527202E+22	2,535882E+22	2,503503E+22	2,503503E+22	2,535871E+22	2,527196E+22	2,422309E+22	2,249329E+22	2,112109E+22	2,112118E+22	2,249346E+22	2,422308E+22
1922	2,527154E+22	2,535790E+22	2,503399E+22	2,503376E+22	2,535759E+22	2,527141E+22	2,422297E+22	2,249341E+22	2,112118E+22	2,112108E+22	2,249329E+22	2,422292E+22
1923	2,527128E+22	2,535763E+22	2,503429E+22	2,503484E+22	2,535894E+22	2,527261E+22	2,422373E+22	2,249359E+22	2,112105E+22	2,112098E+22	2,249336E+22	2,422334E+22
1924	2,527206E+22	2,535832E+22	2,503445E+22	2,503452E+22	2,535814E+22	2,527160E+22	2,422300E+22	2,249322E+22	2,112091E+22	2,112100E+22	2,249343E+22	2,422325E+22
1925	2,527173E+22	2,535776E+22	2,503351E+22	2,503339E+22	2,535751E+22	2,527149E+22	2,422307E+22	2,249327E+22	2,112078E+22	2,112068E+22	2,249311E+22	2,422300E+22
1926	2,527174E+22	2,535836E+22	2,503467E+22	2,503460E+22	2,535848E+22	2,527219E+22	2,422333E+22	2,249320E+22	2,112066E+22	2,112065E+22	2,249316E+22	2,422321E+22
1927	2,527197E+22	2,535830E+22	2,503436E+22	2,503399E+22	2,535739E+22	2,527105E+22	2,422250E+22	2,249268E+22	2,112032E+22	2,112038E+22	2,249287E+22	2,422279E+22
1928	2,527135E+22	2,535744E+22	2,503359E+22	2,503405E+22	2,535820E+22	2,527179E+22	2,422290E+22	2,249271E+22	2,112007E+22	2,112001E+22	2,249256E+22	2,422277E+22
1929	2,527185E+22	2,535840E+22	2,503442E+22	2,503455E+22	2,535871E+22	2,527218E+22	2,422293E+22	2,249251E+22	2,111988E+22	2,112005E+22	2,249287E+22	2,422307E+22
1930	2,527171E+22	2,535782E+22	2,503362E+22	2,503322E+22	2,535712E+22	2,527126E+22	2,422276E+22	2,249268E+22	2,111989E+22	2,111969E+22	2,249235E+22	2,422259E+22
1931	2,527127E+22	2,535738E+22	2,503360E+22	2,503400E+22	2,535820E+22	2,527217E+22	2,422346E+22	2,249305E+22	2,112005E+22	2,111975E+22	2,249228E+22	2,422265E+22
1932	2,527182E+22	2,535831E+22	2,503435E+22	2,503435E+22	2,535800E+22	2,527142E+22	2,422267E+22	2,249267E+22	2,112014E+22	2,112018E+22	2,249272E+22	2,422266E+22

1 Longitude $\odot$	2	3	4	5	6	7	8	9	10	11	12	13
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
1933	2,527135E+22	2,535759E+22	2,503339E+22	2,503321E+22	2,535729E+22	2,527116E+22	2,422256E+22	2,249268E+22	2,112023E+22	2,112029E+22	2,249285E+22	2,422266E+22
1934	2,527119E+22	2,535768E+22	2,503416E+22	2,503440E+22	2,535851E+22	2,527229E+22	2,422327E+22	2,249297E+22	2,112041E+22	2,112050E+22	2,249316E+22	2,422328E+22
1935	2,527194E+22	2,535812E+22	2,503420E+22	2,503410E+22	2,535771E+22	2,527137E+22	2,422269E+22	2,249277E+22	2,112042E+22	2,112058E+22	2,249315E+22	2,422311E+22
1936	2,527161E+22	2,535751E+22	2,503340E+22	2,503372E+22	2,535793E+22	2,527170E+22	2,422312E+22	2,249324E+22	2,112073E+22	2,112058E+22	2,249292E+22	2,422297E+22
1937	2,527204E+22	2,535868E+22	2,503476E+22	2,503469E+22	2,535865E+22	2,527224E+22	2,422335E+22	2,249339E+22	2,112106E+22	2,112109E+22	2,249346E+22	2,422331E+22
1938	2,527199E+22	2,535848E+22	2,503462E+22	2,503409E+22	2,535733E+22	2,527107E+22	2,422291E+22	2,249354E+22	2,112136E+22	2,112122E+22	2,249329E+22	2,422282E+22
1939	2,527125E+22	2,535764E+22	2,503422E+22	2,503468E+22	2,535852E+22	2,527208E+22	2,422353E+22	2,249389E+22	2,112164E+22	2,112147E+22	2,249343E+22	2,422299E+22
1940	2,527176E+22	2,535855E+22	2,503511E+22	2,503533E+22	2,535890E+22	2,527202E+22	2,422311E+22	2,249346E+22	2,112154E+22	2,112178E+22	2,249396E+22	2,422336E+22
1941	2,527163E+22	2,535790E+22	2,503400E+22	2,503387E+22	2,535771E+22	2,527152E+22	2,422310E+22	2,249355E+22	2,112146E+22	2,112156E+22	2,249379E+22	2,422322E+22
1942	2,527148E+22	2,535779E+22	2,503425E+22	2,503458E+22	2,535859E+22	2,527245E+22	2,422389E+22	2,249404E+22	2,112163E+22	2,112147E+22	2,249365E+22	2,422350E+22
1943	2,527228E+22	2,535869E+22	2,503477E+22	2,503458E+22	2,535798E+22	2,527144E+22	2,422299E+22	2,249352E+22	2,112143E+22	2,112142E+22	2,249353E+22	2,422310E+22
1944	2,527161E+22	2,535789E+22	2,503386E+22	2,503382E+22	2,535769E+22	2,527139E+22	2,422299E+22	2,249348E+22	2,112128E+22	2,112115E+22	2,249321E+22	2,422284E+22
1945	2,527164E+22	2,535844E+22	2,503489E+22	2,503488E+22	2,535863E+22	2,527215E+22	2,422323E+22	2,249325E+22	2,112101E+22	2,112114E+22	2,249354E+22	2,422333E+22
1946	2,527187E+22	2,535827E+22	2,503455E+22	2,503435E+22	2,535761E+22	2,527111E+22	2,422266E+22	2,249301E+22	2,112073E+22	2,112074E+22	2,249310E+22	2,422284E+22
1947	2,527124E+22	2,535729E+22	2,503344E+22	2,503404E+22	2,535828E+22	2,527200E+22	2,422331E+22	2,249326E+22	2,112065E+22	2,112048E+22	2,249280E+22	2,422277E+22
1948	2,527171E+22	2,535836E+22	2,503454E+22	2,503466E+22	2,535864E+22	2,527210E+22	2,422306E+22	2,249292E+22	2,112046E+22	2,112053E+22	2,249304E+22	2,422300E+22
1949	2,527167E+22	2,535798E+22	2,503384E+22	2,503339E+22	2,535713E+22	2,527118E+22	2,422281E+22	2,249295E+22	2,112048E+22	2,112043E+22	2,249286E+22	2,422264E+22
1950	2,527115E+22	2,535742E+22	2,503375E+22	2,503405E+22	2,535800E+22	2,527191E+22	2,422347E+22	2,249348E+22	2,112083E+22	2,112060E+22	2,249290E+22	2,422288E+22
1951	2,527179E+22	2,535835E+22	2,503454E+22	2,503460E+22	2,535814E+22	2,527137E+22	2,422259E+22	2,249287E+22	2,112071E+22	2,112086E+22	2,249324E+22	2,422290E+22
1952	2,527132E+22	2,535752E+22	2,503347E+22	2,503352E+22	2,535763E+22	2,527137E+22	2,422268E+22	2,249290E+22	2,112069E+22	2,112081E+22	2,249318E+22	2,422292E+22
1953	2,527149E+22	2,535794E+22	2,503428E+22	2,503441E+22	2,535844E+22	2,527227E+22	2,422341E+22	2,249324E+22	2,112083E+22	2,112097E+22	2,249352E+22	2,422353E+22
1954	2,527221E+22	2,535851E+22	2,503460E+22	2,503436E+22	2,535764E+22	2,527118E+22	2,422287E+22	2,249336E+22	2,112112E+22	2,112106E+22	2,249329E+22	2,422301E+22
1955	2,527156E+22	2,535773E+22	2,503373E+22	2,503398E+22	2,535797E+22	2,527168E+22	2,422333E+22	2,249383E+22	2,112159E+22	2,112133E+22	2,249322E+22	2,422278E+22
1956	2,527168E+22	2,535867E+22	2,503523E+22	2,503524E+22	2,535879E+22	2,527207E+22	2,422326E+22	2,249367E+22	2,112171E+22	2,112180E+22	2,249383E+22	2,422323E+22
1957	2,527171E+22	2,535836E+22	2,503481E+22	2,503455E+22	2,535779E+22	2,527126E+22	2,422295E+22	2,249369E+22	2,112186E+22	2,112199E+22	2,249395E+22	2,422304E+22
1958	2,527111E+22	2,535744E+22	2,503408E+22	2,503463E+22	2,535856E+22	2,527224E+22	2,422383E+22	2,249432E+22	2,112223E+22	2,112212E+22	2,249399E+22	2,422335E+22
1959	2,527188E+22	2,535854E+22	2,503503E+22	2,503523E+22	2,535886E+22	2,527210E+22	2,422335E+22	2,249391E+22	2,112208E+22	2,112223E+22	2,249422E+22	2,422350E+22
1960	2,527175E+22	2,535804E+22	2,503410E+22	2,503392E+22	2,535771E+22	2,527153E+22	2,422329E+22	2,249401E+22	2,112209E+22	2,112203E+22	2,249389E+22	2,422323E+22
1961	2,527169E+22	2,535817E+22	2,503456E+22	2,503458E+22	2,535829E+22	2,527210E+22	2,422380E+22	2,249428E+22	2,112218E+22	2,112207E+22	2,249400E+22	2,422355E+22
1962	2,527229E+22	2,535896E+22	2,503528E+22	2,503501E+22	2,535797E+22	2,527107E+22	2,422287E+22	2,249386E+22	2,112200E+22	2,112196E+22	2,249382E+22	2,422307E+22
1963	2,527141E+22	2,535781E+22	2,503400E+22	2,503414E+22	2,535799E+22	2,527146E+22	2,422299E+22	2,249370E+22	2,112177E+22	2,112171E+22	2,249359E+22	2,422290E+22
1964	2,527138E+22	2,535824E+22	2,503501E+22	2,503517E+22	2,535885E+22	2,527224E+22	2,422328E+22	2,249334E+22	2,112125E+22	2,112146E+22	2,249378E+22	2,422344E+22
1965	2,527190E+22	2,535828E+22	2,503460E+22	2,503449E+22	2,535782E+22	2,527129E+22	2,422290E+22	2,249324E+22	2,112102E+22	2,112112E+22	2,249340E+22	2,422293E+22
1966	2,527126E+22	2,535738E+22	2,503345E+22	2,503383E+22	2,535801E+22	2,527189E+22	2,422357E+22	2,249384E+22	2,112135E+22	2,112104E+22	2,249307E+22	2,422280E+22
1967	2,527167E+22	2,535849E+22	2,503476E+22	2,503474E+22	2,535857E+22	2,527196E+22	2,422310E+22	2,249333E+22	2,112115E+22	2,112115E+22	2,249330E+22	2,422289E+22
1968	2,527145E+22	2,535797E+22	2,503410E+22	2,503376E+22	2,535737E+22	2,527113E+22	2,422277E+22	2,249324E+22	2,112112E+22	2,112111E+22	2,249321E+22	2,422272E+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												
1969	2,527113E+22	2,535744E+22	2,503387E+22	2,503419E+22	2,535805E+22	2,527180E+22	2,422336E+22	2,249361E+22	2,112132E+22	2,112130E+22	2,249352E+22	2,422325E+22
1970	2,527191E+22	2,535843E+22	2,503475E+22	2,503486E+22	2,535824E+22	2,527134E+22	2,422275E+22	2,249328E+22	2,112121E+22	2,112134E+22	2,249361E+22	2,422315E+22
1971	2,527144E+22	2,535760E+22	2,503353E+22	2,503359E+22	2,535770E+22	2,527146E+22	2,422298E+22	2,249343E+22	2,112133E+22	2,112134E+22	2,249348E+22	2,422299E+22
1972	2,527147E+22	2,535811E+22	2,503465E+22	2,503466E+22	2,535845E+22	2,527217E+22	2,422350E+22	2,249363E+22	2,112142E+22	2,112147E+22	2,249371E+22	2,422348E+22
1973	2,527221E+22	2,535877E+22	2,503506E+22	2,503477E+22	2,535784E+22	2,527117E+22	2,422293E+22	2,249363E+22	2,112172E+22	2,112179E+22	2,249372E+22	2,422295E+22
1974	2,527132E+22	2,535773E+22	2,503396E+22	2,503415E+22	2,535796E+22	2,527157E+22	2,422346E+22	2,249435E+22	2,112241E+22	2,112217E+22	2,249378E+22	2,422292E+22
1975	2,527148E+22	2,535851E+22	2,503530E+22	2,503549E+22	2,535913E+22	2,527223E+22	2,422334E+22	2,249399E+22	2,112233E+22	2,112247E+22	2,249430E+22	2,422340E+22
1976	2,527163E+22	2,535821E+22	2,503476E+22	2,503469E+22	2,535806E+22	2,527151E+22	2,422321E+22	2,249406E+22	2,112240E+22	2,112250E+22	2,249427E+22	2,422331E+22
1977	2,527140E+22	2,535761E+22	2,503407E+22	2,503441E+22	2,535827E+22	2,527206E+22	2,422396E+22	2,249473E+22	2,112279E+22	2,112264E+22	2,249437E+22	2,422364E+22
1978	2,527217E+22	2,535892E+22	2,503540E+22	2,503532E+22	2,535858E+22	2,527171E+22	2,422341E+22	2,249445E+22	2,112274E+22	2,112269E+22	2,249437E+22	2,422345E+22
1979	2,527173E+22	2,535824E+22	2,503447E+22	2,503415E+22	2,535766E+22	2,527132E+22	2,422326E+22	2,249437E+22	2,112275E+22	2,112265E+22	2,249417E+22	2,422308E+22
1980	2,527136E+22	2,535820E+22	2,503508E+22	2,503513E+22	2,535846E+22	2,527187E+22	2,422353E+22	2,249430E+22	2,112254E+22	2,112255E+22	2,249429E+22	2,422353E+22
1981	2,527209E+22	2,535889E+22	2,503551E+22	2,503547E+22	2,535848E+22	2,527130E+22	2,422284E+22	2,249380E+22	2,112224E+22	2,112246E+22	2,249425E+22	2,422317E+22
1982	2,527126E+22	2,535764E+22	2,503394E+22	2,503411E+22	2,535810E+22	2,527169E+22	2,422334E+22	2,249413E+22	2,112225E+22	2,112216E+22	2,249393E+22	2,422310E+22
1983	2,527141E+22	2,535815E+22	2,503491E+22	2,503513E+22	2,535898E+22	2,527242E+22	2,422356E+22	2,249383E+22	2,112178E+22	2,112182E+22	2,249388E+22	2,422341E+22
1984	2,527186E+22	2,535831E+22	2,503467E+22	2,503453E+22	2,535790E+22	2,527140E+22	2,422317E+22	2,249379E+22	2,112171E+22	2,112162E+22	2,249353E+22	2,422293E+22
1985	2,527135E+22	2,535756E+22	2,503366E+22	2,503375E+22	2,535769E+22	2,527157E+22	2,422355E+22	2,249422E+22	2,112204E+22	2,112178E+22	2,249358E+22	2,422298E+22
1986	2,527167E+22	2,535858E+22	2,503509E+22	2,503501E+22	2,535847E+22	2,527159E+22	2,422302E+22	2,249374E+22	2,112181E+22	2,112184E+22	2,249379E+22	2,422307E+22
1987	2,527136E+22	2,535787E+22	2,503419E+22	2,503398E+22	2,535760E+22	2,527119E+22	2,422277E+22	2,249346E+22	2,112167E+22	2,112179E+22	2,249377E+22	2,422299E+22
1988	2,527109E+22	2,535745E+22	2,503412E+22	2,503441E+22	2,535814E+22	2,527174E+22	2,422329E+22	2,249366E+22	2,112158E+22	2,112167E+22	2,249384E+22	2,422351E+22
1989	2,527216E+22	2,535868E+22	2,503499E+22	2,503503E+22	2,535839E+22	2,527142E+22	2,422287E+22	2,249350E+22	2,112159E+22	2,112176E+22	2,249386E+22	2,422321E+22
1990	2,527155E+22	2,535787E+22	2,503383E+22	2,503363E+22	2,535757E+22	2,527137E+22	2,422320E+22	2,249402E+22	2,112208E+22	2,112191E+22	2,249367E+22	2,422292E+22
1991	2,527137E+22	2,535824E+22	2,503499E+22	2,503499E+22	2,535861E+22	2,527211E+22	2,422354E+22	2,249408E+22	2,112215E+22	2,112210E+22	2,249389E+22	2,422324E+22
1992	2,527186E+22	2,535868E+22	2,503536E+22	2,503524E+22	2,535827E+22	2,527135E+22	2,422308E+22	2,249408E+22	2,112245E+22	2,112247E+22	2,249407E+22	2,422299E+22
1993	2,527119E+22	2,535761E+22	2,503404E+22	2,503423E+22	2,535803E+22	2,527162E+22	2,422356E+22	2,249468E+22	2,112305E+22	2,112296E+22	2,249442E+22	2,422327E+22
1994	2,527152E+22	2,535844E+22	2,503537E+22	2,503557E+22	2,535910E+22	2,527220E+22	2,422363E+22	2,249458E+22	2,112299E+22	2,112307E+22	2,249470E+22	2,422363E+22
1995	2,527173E+22	2,535822E+22	2,503475E+22	2,503465E+22	2,535803E+22	2,527153E+22	2,422344E+22	2,249463E+22	2,112317E+22	2,112316E+22	2,249464E+22	2,422341E+22
1996	2,527141E+22	2,535782E+22	2,503444E+22	2,503455E+22	2,535809E+22	2,527174E+22	2,422382E+22	2,249498E+22	2,112335E+22	2,112321E+22	2,249466E+22	2,422369E+22
1997	2,527225E+22	2,535920E+22	2,503586E+22	2,503568E+22	2,535867E+22	2,527156E+22	2,422328E+22	2,249456E+22	2,112324E+22	2,112338E+22	2,249480E+22	2,422347E+22
1998	2,527160E+22	2,535828E+22	2,503478E+22	2,503443E+22	2,535773E+22	2,527120E+22	2,422322E+22	2,249466E+22	2,112332E+22	2,112328E+22	2,249462E+22	2,422324E+22
1999	2,527125E+22	2,535804E+22	2,503514E+22	2,503544E+22	2,535890E+22	2,527211E+22	2,422355E+22	2,249442E+22	2,112288E+22	2,112294E+22	2,249454E+22	2,422361E+22
2000	2,527203E+22	2,535878E+22	2,503550E+22	2,503563E+22	2,535884E+22	2,527172E+22	2,422319E+22	2,249413E+22	2,112258E+22	2,112270E+22	2,249436E+22	2,422332E+22
2001	2,527146E+22	2,535774E+22	2,503393E+22	2,503389E+22	2,535784E+22	2,527163E+22	2,422357E+22	2,249460E+22	2,112280E+22	2,112261E+22	2,249418E+22	2,422323E+22
2002	2,527155E+22	2,535834E+22	2,503516E+22	2,503517E+22	2,535871E+22	2,527215E+22	2,422372E+22	2,249445E+22	2,112250E+22	2,112233E+22	2,249402E+22	2,422328E+22
2003	2,527173E+22	2,535834E+22	2,503488E+22	2,503468E+22	2,535782E+22	2,527120E+22	2,422314E+22	2,249420E+22	2,112248E+22	2,112237E+22	2,249392E+22	2,422285E+22
2004	2,527103E+22	2,535750E+22	2,503402E+22	2,503411E+22	2,535773E+22	2,527128E+22	2,422323E+22	2,249425E+22	2,112247E+22	2,112237E+22	2,249405E+22	2,422317E+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°
2005	2,527166E+22	2,535858E+22	2,503529E+22	2,503532E+22	2,535877E+22	2,527169E+22	2,422292E+22	2,249369E+22	2,112210E+22	2,112239E+22	2,249428E+22	2,422331E+22
2006	2,527141E+22	2,535783E+22	2,503422E+22	2,503397E+22	2,535757E+22	2,527125E+22	2,422300E+22	2,249386E+22	2,112216E+22	2,112225E+22	2,249409E+22	2,422322E+22
2007	2,527126E+22	2,535756E+22	2,503421E+22	2,503454E+22	2,535832E+22	2,527186E+22	2,422345E+22	2,249407E+22	2,112211E+22	2,112203E+22	2,249389E+22	2,422341E+22
2008	2,527218E+22	2,535890E+22	2,503531E+22	2,503527E+22	2,535860E+22	2,527159E+22	2,422312E+22	2,249401E+22	2,112228E+22	2,112225E+22	2,249396E+22	2,422313E+22
2009	2,527154E+22	2,535804E+22	2,503420E+22	2,503381E+22	2,535744E+22	2,527117E+22	2,422327E+22	2,249453E+22	2,112292E+22	2,112275E+22	2,249417E+22	2,422300E+22
2010	2,527123E+22	2,535818E+22	2,503530E+22	2,503540E+22	2,535872E+22	2,527196E+22	2,422362E+22	2,249462E+22	2,112297E+22	2,112290E+22	2,249438E+22	2,422332E+22
2011	2,527162E+22	2,535842E+22	2,503535E+22	2,503545E+22	2,535854E+22	2,527156E+22	2,422325E+22	2,249449E+22	2,112320E+22	2,112332E+22	2,249469E+22	2,422322E+22
2012	2,527109E+22	2,535754E+22	2,503417E+22	2,503430E+22	2,535797E+22	2,527156E+22	2,422361E+22	2,249492E+22	2,112350E+22	2,112349E+22	2,249488E+22	2,422361E+22
2013	2,527181E+22	2,535868E+22	2,503554E+22	2,503562E+22	2,535903E+22	2,527214E+22	2,422368E+22	2,249484E+22	2,112354E+22	2,112367E+22	2,249505E+22	2,422376E+22
2014	2,527188E+22	2,535850E+22	2,503506E+22	2,503469E+22	2,535780E+22	2,527130E+22	2,422349E+22	2,249510E+22	2,112390E+22	2,112382E+22	2,249495E+22	2,422346E+22
2015	2,527144E+22	2,535800E+22	2,503480E+22	2,503497E+22	2,535832E+22	2,527161E+22	2,422363E+22	2,249516E+22	2,112388E+22	2,112374E+22	2,249487E+22	2,422357E+22
2016	2,527206E+22	2,535920E+22	2,503616E+22	2,503618E+22	2,535916E+22	2,527181E+22	2,422334E+22	2,249477E+22	2,112367E+22	2,112379E+22	2,249506E+22	2,422358E+22
2017	2,527156E+22	2,535820E+22	2,503488E+22	2,503459E+22	2,535786E+22	2,527135E+22	2,422339E+22	2,249492E+22	2,112375E+22	2,112378E+22	2,249503E+22	2,422349E+22
2018	2,527132E+22	2,535798E+22	2,503517E+22	2,503552E+22	2,535888E+22	2,527220E+22	2,422396E+22	2,249501E+22	2,112341E+22	2,112330E+22	2,249468E+22	2,422360E+22
2019	2,527201E+22	2,535873E+22	2,503546E+22	2,503559E+22	2,535884E+22	2,527187E+22	2,422353E+22	2,249474E+22	2,112333E+22	2,112328E+22	2,249458E+22	2,422321E+22
2020	2,527132E+22	2,535788E+22	2,503424E+22	2,503393E+22	2,535756E+22	2,527133E+22	2,422347E+22	2,249486E+22	2,112336E+22	2,112317E+22	2,249447E+22	2,422324E+22
2021	2,527153E+22	2,535847E+22	2,503542E+22	2,503536E+22	2,535864E+22	2,527191E+22	2,422353E+22	2,249458E+22	2,112308E+22	2,112309E+22	2,249449E+22	2,422334E+22
2022	2,527160E+22	2,535827E+22	2,503502E+22	2,503485E+22	2,535782E+22	2,527104E+22	2,422302E+22	2,249442E+22	2,112306E+22	2,112307E+22	2,249447E+22	2,422314E+22
2023	2,527107E+22	2,535739E+22	2,503399E+22	2,503435E+22	2,535806E+22	2,527136E+22	2,422309E+22	2,249425E+22	2,112275E+22	2,112277E+22	2,249435E+22	2,422336E+22
2024	2,527178E+22	2,535865E+22	2,503538E+22	2,503548E+22	2,535899E+22	2,527197E+22	2,422319E+22	2,249400E+22	2,112242E+22	2,112260E+22	2,249440E+22	2,422352E+22
2025	2,527170E+22	2,535812E+22	2,503447E+22	2,503398E+22	2,535736E+22	2,527114E+22	2,422316E+22	2,249431E+22	2,112274E+22	2,112270E+22	2,249428E+22	2,422325E+22
2026	2,527136E+22	2,535783E+22	2,503465E+22	2,503481E+22	2,535820E+22	2,527170E+22	2,422365E+22	2,249468E+22	2,112288E+22	2,112260E+22	2,249398E+22	2,422312E+22
2027	2,527188E+22	2,535888E+22	2,503563E+22	2,503567E+22	2,535881E+22	2,527166E+22	2,422324E+22	2,249451E+22	2,112315E+22	2,112312E+22	2,249437E+22	2,422293E+22
2028	2,527109E+22	2,535789E+22	2,503451E+22	2,503421E+22	2,535761E+22	2,527111E+22	2,422316E+22	2,249473E+22	2,112353E+22	2,112351E+22	2,249474E+22	2,422321E+22
2029	2,527116E+22	2,535803E+22	2,503530E+22	2,503561E+22	2,535897E+22	2,527217E+22	2,422372E+22	2,249485E+22	2,112357E+22	2,112369E+22	2,249498E+22	2,422362E+22
2030	2,527169E+22	2,535834E+22	2,503526E+22	2,503536E+22	2,535843E+22	2,527158E+22	2,422354E+22	2,249507E+22	2,112394E+22	2,112401E+22	2,249519E+22	2,422358E+22
2031	2,527135E+22	2,535766E+22	2,503420E+22	2,503439E+22	2,535803E+22	2,527150E+22	2,422364E+22	2,249530E+22	2,112413E+22	2,112403E+22	2,249512E+22	2,422368E+22
2032	2,527197E+22	2,535901E+22	2,503592E+22	2,503584E+22	2,535906E+22	2,527215E+22	2,422381E+22	2,249525E+22	2,112414E+22	2,112416E+22	2,249529E+22	2,422384E+22
2033	2,527199E+22	2,535877E+22	2,503550E+22	2,503495E+22	2,535766E+22	2,527102E+22	2,422342E+22	2,249541E+22	2,112454E+22	2,112453E+22	2,249542E+22	2,422360E+22
2034	2,527142E+22	2,535809E+22	2,503517E+22	2,503544E+22	2,535851E+22	2,527159E+22	2,422369E+22	2,249548E+22	2,112442E+22	2,112429E+22	2,249518E+22	2,422358E+22
2035	2,527190E+22	2,535906E+22	2,503620E+22	2,503640E+22	2,535948E+22	2,527214E+22	2,422356E+22	2,249507E+22	2,112417E+22	2,112433E+22	2,249538E+22	2,422359E+22
2036	2,527143E+22	2,535818E+22	2,503499E+22	2,503465E+22	2,535780E+22	2,527136E+22	2,422353E+22	2,249519E+22	2,112412E+22	2,112412E+22	2,249524E+22	2,422361E+22
2037	2,527146E+22	2,535812E+22	2,503525E+22	2,503554E+22	2,535879E+22	2,527213E+22	2,422403E+22	2,249533E+22	2,112398E+22	2,112382E+22	2,249484E+22	2,422349E+22
2038	2,527190E+22	2,535879E+22	2,503560E+22	2,503557E+22	2,535853E+22	2,527158E+22	2,422356E+22	2,249520E+22	2,112407E+22	2,112396E+22	2,249490E+22	2,422318E+22
2039	2,527117E+22	2,535783E+22	2,503439E+22	2,503427E+22	2,535771E+22	2,527113E+22	2,422323E+22	2,249496E+22	2,112385E+22	2,112374E+22	2,249478E+22	2,422320E+22
2040	2,527136E+22	2,535844E+22	2,503559E+22	2,503568E+22	2,535893E+22	2,527205E+22	2,422351E+22	2,249467E+22	2,112341E+22	2,112350E+22	2,249487E+22	2,422361E+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°
2041	2,527168E+22	2,535826E+22	2,503507E+22	2,503492E+22	2,535781E+22	2,527107E+22	2,422310E+22	2,249461E+22	2,112344E+22	2,112355E+22	2,249491E+22	2,422348E+22
2042	2,527130E+22	2,535751E+22	2,503413E+22	2,503451E+22	2,535805E+22	2,527142E+22	2,422339E+22	2,249470E+22	2,112322E+22	2,112310E+22	2,249446E+22	2,422335E+22
2043	2,527182E+22	2,535877E+22	2,503552E+22	2,503560E+22	2,535907E+22	2,527213E+22	2,422348E+22	2,249454E+22	2,112315E+22	2,112318E+22	2,249457E+22	2,422331E+22
2044	2,527152E+22	2,535833E+22	2,503492E+22	2,503425E+22	2,535725E+22	2,527097E+22	2,422318E+22	2,249466E+22	2,112337E+22	2,112334E+22	2,249461E+22	2,422321E+22
2045	2,527125E+22	2,535790E+22	2,503495E+22	2,503519E+22	2,535832E+22	2,527163E+22	2,422361E+22	2,249499E+22	2,112364E+22	2,112349E+22	2,249450E+22	2,422311E+22
2046	2,527159E+22	2,535867E+22	2,503568E+22	2,503589E+22	2,535893E+22	2,527170E+22	2,422334E+22	2,249493E+22	2,112394E+22	2,112402E+22	2,249504E+22	2,422325E+22
2047	2,527108E+22	2,535770E+22	2,503438E+22	2,503441E+22	2,535791E+22	2,527126E+22	2,422322E+22	2,249494E+22	2,112401E+22	2,112411E+22	2,249521E+22	2,422350E+22
2048	2,527137E+22	2,535816E+22	2,503532E+22	2,503559E+22	2,535899E+22	2,527235E+22	2,422405E+22	2,249531E+22	2,112408E+22	2,112408E+22	2,249530E+22	2,422396E+22
2049	2,527207E+22	2,535871E+22	2,503552E+22	2,503532E+22	2,535809E+22	2,527131E+22	2,422362E+22	2,249556E+22	2,112466E+22	2,112464E+22	2,249554E+22	2,422374E+22
2050	2,527158E+22	2,535809E+22	2,503473E+22	2,503470E+22	2,535785E+22	2,527121E+22	2,422367E+22	2,249573E+22	2,112482E+22	2,112463E+22	2,249531E+22	2,422350E+22
2051	2,527178E+22	2,535911E+22	2,503635E+22	2,503634E+22	2,535930E+22	2,527217E+22	2,422383E+22	2,249558E+22	2,112484E+22	2,112490E+22	2,249566E+22	2,422367E+22
2052	2,527163E+22	2,535876E+22	2,503590E+22	2,503546E+22	2,535792E+22	2,527103E+22	2,422332E+22	2,249546E+22	2,112490E+22	2,112503E+22	2,249581E+22	2,422371E+22
2053	2,527133E+22	2,535799E+22	2,503522E+22	2,503567E+22	2,535878E+22	2,527183E+22	2,422384E+22	2,249570E+22	2,112489E+22	2,112483E+22	2,249548E+22	2,422360E+22
2054	2,527178E+22	2,535892E+22	2,503609E+22	2,503634E+22	2,535945E+22	2,527227E+22	2,422394E+22	2,249565E+22	2,112483E+22	2,112487E+22	2,249567E+22	2,422369E+22
2055	2,527146E+22	2,535815E+22	2,503491E+22	2,503471E+22	2,535785E+22	2,527130E+22	2,422358E+22	2,249555E+22	2,112469E+22	2,112461E+22	2,249541E+22	2,422355E+22
2056	2,527143E+22	2,535826E+22	2,503541E+22	2,503560E+22	2,535871E+22	2,527208E+22	2,422417E+22	2,249573E+22	2,112454E+22	2,112432E+22	2,249518E+22	2,422363E+22
2057	2,527188E+22	2,535885E+22	2,503581E+22	2,503571E+22	2,535833E+22	2,527120E+22	2,422340E+22	2,249545E+22	2,112467E+22	2,112468E+22	2,249548E+22	2,422346E+22
2058	2,527120E+22	2,535786E+22	2,503458E+22	2,503455E+22	2,535778E+22	2,527105E+22	2,422319E+22	2,249508E+22	2,112424E+22	2,112425E+22	2,249517E+22	2,422336E+22
2059	2,527135E+22	2,535840E+22	2,503562E+22	2,503583E+22	2,535912E+22	2,527229E+22	2,422370E+22	2,249487E+22	2,112378E+22	2,112396E+22	2,249520E+22	2,422369E+22
2060	2,527172E+22	2,535847E+22	2,503530E+22	2,503502E+22	2,535773E+22	2,527100E+22	2,422317E+22	2,249480E+22	2,112372E+22	2,112381E+22	2,249506E+22	2,422358E+22
2061	2,527150E+22	2,535784E+22	2,503441E+22	2,503469E+22	2,535805E+22	2,527137E+22	2,422345E+22	2,249506E+22	2,112384E+22	2,112362E+22	2,249454E+22	2,422312E+22
2062	2,527164E+22	2,535887E+22	2,503580E+22	2,503582E+22	2,535901E+22	2,527201E+22	2,422363E+22	2,249507E+22	2,112396E+22	2,112391E+22	2,249489E+22	2,422321E+22
2063	2,527127E+22	2,535818E+22	2,503505E+22	2,503475E+22	2,535762E+22	2,527094E+22	2,422311E+22	2,249492E+22	2,112400E+22	2,112403E+22	2,249501E+22	2,422320E+22
2064	2,527102E+22	2,535779E+22	2,503502E+22	2,503545E+22	2,535864E+22	2,527191E+22	2,422385E+22	2,249534E+22	2,112417E+22	2,112407E+22	2,249505E+22	2,422347E+22
2065	2,527162E+22	2,535857E+22	2,503563E+22	2,503585E+22	2,535882E+22	2,527169E+22	2,422358E+22	2,249539E+22	2,112461E+22	2,112474E+22	2,249566E+22	2,422369E+22
2066	2,527137E+22	2,535789E+22	2,503452E+22	2,503446E+22	2,535778E+22	2,527123E+22	2,422352E+22	2,249548E+22	2,112469E+22	2,112468E+22	2,249549E+22	2,422360E+22
2067	2,527152E+22	2,535846E+22	2,503559E+22	2,503570E+22	2,535892E+22	2,527229E+22	2,422418E+22	2,249581E+22	2,112488E+22	2,112482E+22	2,249560E+22	2,422383E+22
2068	2,527199E+22	2,535907E+22	2,503607E+22	2,503564E+22	2,535796E+22	2,527098E+22	2,422346E+22	2,249578E+22	2,112524E+22	2,112529E+22	2,249593E+22	2,422379E+22
2069	2,527156E+22	2,535829E+22	2,503519E+22	2,503525E+22	2,535811E+22	2,527110E+22	2,422348E+22	2,249590E+22	2,112545E+22	2,112536E+22	2,249571E+22	2,422347E+22
2070	2,527150E+22	2,535894E+22	2,503646E+22	2,503666E+22	2,535956E+22	2,527228E+22	2,422394E+22	2,249588E+22	2,112542E+22	2,112557E+22	2,249615E+22	2,422387E+22
2071	2,527155E+22	2,535851E+22	2,503577E+22	2,503572E+22	2,535832E+22	2,527128E+22	2,422350E+22	2,249569E+22	2,112524E+22	2,112541E+22	2,249606E+22	2,422382E+22
2072	2,527139E+22	2,535807E+22	2,503520E+22	2,503563E+22	2,535883E+22	2,527206E+22	2,422426E+22	2,249619E+22	2,112532E+22	2,112511E+22	2,249568E+22	2,422375E+22
2073	2,527185E+22	2,535905E+22	2,503620E+22	2,503623E+22	2,535911E+22	2,527200E+22	2,422405E+22	2,249616E+22	2,112556E+22	2,112550E+22	2,249599E+22	2,422376E+22
2074	2,527150E+22	2,535836E+22	2,503522E+22	2,503488E+22	2,535768E+22	2,527105E+22	2,422360E+22	2,249590E+22	2,112532E+22	2,112521E+22	2,249567E+22	2,422343E+22
2075	2,527122E+22	2,535824E+22	2,503561E+22	2,503587E+22	2,535883E+22	2,527200E+22	2,422411E+22	2,249596E+22	2,112513E+22	2,112501E+22	2,249562E+22	2,422361E+22
2076	2,527167E+22	2,535887E+22	2,503602E+22	2,503595E+22	2,535843E+22	2,527112E+22	2,422326E+22	2,249544E+22	2,112491E+22	2,112511E+22	2,249592E+22	2,422377E+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°
2077	2,527134E+22	2,535794E+22	2,503468E+22	2,503473E+22	2,535795E+22	2,527114E+22	2,422324E+22	2,249525E+22	2,112459E+22	2,112464E+22	2,249539E+22	2,422345E+22
2078	2,527137E+22	2,535843E+22	2,503567E+22	2,503585E+22	2,535910E+22	2,527233E+22	2,422398E+22	2,249536E+22	2,112435E+22	2,112440E+22	2,249540E+22	2,422374E+22
2079	2,527177E+22	2,535856E+22	2,503543E+22	2,503528E+22	2,535792E+22	2,527099E+22	2,422326E+22	2,249513E+22	2,112424E+22	2,112424E+22	2,249516E+22	2,422341E+22
2080	2,527139E+22	2,535804E+22	2,503472E+22	2,503490E+22	2,535812E+22	2,527142E+22	2,422370E+22	2,249554E+22	2,112446E+22	2,112418E+22	2,249490E+22	2,422317E+22
2081	2,527143E+22	2,535880E+22	2,503601E+22	2,503607E+22	2,535901E+22	2,527182E+22	2,422364E+22	2,249550E+22	2,112475E+22	2,112478E+22	2,249553E+22	2,422346E+22
2082	2,527123E+22	2,535813E+22	2,503515E+22	2,503496E+22	2,535776E+22	2,527100E+22	2,422324E+22	2,249523E+22	2,112461E+22	2,112473E+22	2,249552E+22	2,422342E+22
2083	2,527101E+22	2,535773E+22	2,503498E+22	2,503546E+22	2,535871E+22	2,527206E+22	2,422414E+22	2,249578E+22	2,112480E+22	2,112475E+22	2,249552E+22	2,422365E+22
2084	2,527175E+22	2,535885E+22	2,503586E+22	2,503586E+22	2,535859E+22	2,527145E+22	2,422359E+22	2,249569E+22	2,112509E+22	2,112522E+22	2,249599E+22	2,422390E+22
2085	2,527162E+22	2,535830E+22	2,503494E+22	2,503467E+22	2,535767E+22	2,527096E+22	2,422339E+22	2,249580E+22	2,112540E+22	2,112532E+22	2,249570E+22	2,422347E+22
2086	2,527138E+22	2,535863E+22	2,503602E+22	2,503606E+22	2,535894E+22	2,527208E+22	2,422417E+22	2,249619E+22	2,112562E+22	2,112558E+22	2,249601E+22	2,422381E+22
2087	2,527178E+22	2,535898E+22	2,503632E+22	2,503627E+22	2,535848E+22	2,527101E+22	2,422333E+22	2,249588E+22	2,112569E+22	2,112585E+22	2,249626E+22	2,422378E+22
2088	2,527136E+22	2,535823E+22	2,503534E+22	2,503557E+22	2,535854E+22	2,527151E+22	2,422380E+22	2,249623E+22	2,112584E+22	2,112578E+22	2,249613E+22	2,422373E+22
2089	2,527143E+22	2,535877E+22	2,503641E+22	2,503668E+22	2,535957E+22	2,527238E+22	2,422429E+22	2,249642E+22	2,112604E+22	2,112613E+22	2,249656E+22	2,422413E+22
2090	2,527170E+22	2,535860E+22	2,503579E+22	2,503567E+22	2,535825E+22	2,527136E+22	2,422389E+22	2,249628E+22	2,112592E+22	2,112592E+22	2,249625E+22	2,422378E+22
2091	2,527136E+22	2,535818E+22	2,503532E+22	2,503557E+22	2,535869E+22	2,527202E+22	2,422450E+22	2,249676E+22	2,112611E+22	2,112582E+22	2,249599E+22	2,422363E+22
2092	2,527171E+22	2,535925E+22	2,503653E+22	2,503633E+22	2,535885E+22	2,527159E+22	2,422387E+22	2,249637E+22	2,112609E+22	2,112613E+22	2,249645E+22	2,422393E+22
2093	2,527150E+22	2,535847E+22	2,503553E+22	2,503521E+22	2,535779E+22	2,527080E+22	2,422329E+22	2,249599E+22	2,112587E+22	2,112587E+22	2,249610E+22	2,422356E+22
2094	2,527111E+22	2,535814E+22	2,503569E+22	2,503604E+22	2,535896E+22	2,527198E+22	2,422407E+22	2,249609E+22	2,112553E+22	2,112555E+22	2,249609E+22	2,422392E+22
2095	2,527178E+22	2,535877E+22	2,503597E+22	2,503616E+22	2,535871E+22	2,527123E+22	2,422332E+22	2,249553E+22	2,112508E+22	2,112529E+22	2,249604E+22	2,422388E+22
2096	2,527153E+22	2,535823E+22	2,503490E+22	2,503480E+22	2,535801E+22	2,527129E+22	2,422357E+22	2,249567E+22	2,112491E+22	2,112479E+22	2,249547E+22	2,422350E+22
2097	2,527139E+22	2,535861E+22	2,503595E+22	2,503593E+22	2,535890E+22	2,527208E+22	2,422409E+22	2,249589E+22	2,112506E+22	2,112497E+22	2,249561E+22	2,422365E+22
2098	2,527167E+22	2,535870E+22	2,503582E+22	2,503560E+22	2,535800E+22	2,527095E+22	2,422340E+22	2,249555E+22	2,112493E+22	2,112489E+22	2,249542E+22	2,422321E+22
2099	2,527102E+22	2,535791E+22	2,503492E+22	2,503520E+22	2,535839E+22	2,527152E+22	2,422380E+22	2,249591E+22	2,112517E+22	2,112498E+22	2,249539E+22	2,422314E+22
2100	2,527113E+22	2,535865E+22	2,503605E+22	2,503616E+22	2,535908E+22	2,527181E+22	2,422364E+22	2,249569E+22	2,112522E+22	2,112540E+22	2,249609E+22	2,422384E+22
2101	2,527137E+22	2,535815E+22	2,503519E+22	2,503504E+22	2,535785E+22	2,527100E+22	2,422331E+22	2,249561E+22	2,112525E+22	2,112534E+22	2,249589E+22	2,422361E+22
2102	2,527111E+22	2,535781E+22	2,503505E+22	2,503543E+22	2,535857E+22	2,527190E+22	2,422428E+22	2,249630E+22	2,112555E+22	2,112542E+22	2,249592E+22	2,422385E+22
2103	2,527188E+22	2,535899E+22	2,503611E+22	2,503613E+22	2,535868E+22	2,527130E+22	2,422355E+22	2,249599E+22	2,112566E+22	2,112577E+22	2,249625E+22	2,422390E+22
2104	2,527164E+22	2,535862E+22	2,503546E+22	2,503507E+22	2,535781E+22	2,527095E+22	2,422351E+22	2,249617E+22	2,112591E+22	2,112586E+22	2,249613E+22	2,422360E+22
2105	2,527123E+22	2,535861E+22	2,503632E+22	2,503644E+22	2,535910E+22	2,527198E+22	2,422416E+22	2,249655E+22	2,112631E+22	2,112633E+22	2,249655E+22	2,422404E+22
2106	2,527177E+22	2,535896E+22	2,503646E+22	2,503652E+22	2,535883E+22	2,527134E+22	2,422361E+22	2,249620E+22	2,112620E+22	2,112639E+22	2,249660E+22	2,422387E+22
2107	2,527131E+22	2,535818E+22	2,503535E+22	2,503557E+22	2,535867E+22	2,527180E+22	2,422425E+22	2,249679E+22	2,112648E+22	2,112634E+22	2,249640E+22	2,422373E+22
2108	2,527144E+22	2,535893E+22	2,503654E+22	2,503660E+22	2,535933E+22	2,527220E+22	2,422441E+22	2,249689E+22	2,112665E+22	2,112662E+22	2,249681E+22	2,422424E+22
2109	2,527183E+22	2,535887E+22	2,503612E+22	2,503581E+22	2,535810E+22	2,527104E+22	2,422377E+22	2,249671E+22	2,112673E+22	2,112660E+22	2,249648E+22	2,422366E+22
2110	2,527116E+22	2,535819E+22	2,503559E+22	2,503577E+22	2,535859E+22	2,527170E+22	2,422437E+22	2,249708E+22	2,112682E+22	2,112660E+22	2,249649E+22	2,422374E+22
2111	2,527155E+22	2,535907E+22	2,503667E+22	2,503675E+22	2,535917E+22	2,527152E+22	2,422363E+22	2,249633E+22	2,112639E+22	2,112659E+22	2,249683E+22	2,422409E+22
2112	2,527149E+22	2,535849E+22	2,503570E+22	2,503542E+22	2,535805E+22	2,527106E+22	2,422348E+22	2,249612E+22	2,112602E+22	2,112612E+22	2,249647E+22	2,422388E+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												
2113	2,527119E+22	2,535813E+22	2,503575E+22	2,503610E+22	2,535896E+22	2,527199E+22	2,422425E+22	2,249648E+22	2,112598E+22	2,112593E+22	2,249634E+22	2,422413E+22
2114	2,527201E+22	2,535900E+22	2,503615E+22	2,503620E+22	2,535877E+22	2,527136E+22	2,422358E+22	2,249595E+22	2,112559E+22	2,112563E+22	2,249604E+22	2,422369E+22
2115	2,527143E+22	2,535836E+22	2,503517E+22	2,503490E+22	2,535802E+22	2,527135E+22	2,422383E+22	2,249622E+22	2,112566E+22	2,112542E+22	2,249566E+22	2,422325E+22
2116	2,527112E+22	2,535865E+22	2,503625E+22	2,503616E+22	2,535884E+22	2,527182E+22	2,422400E+22	2,249619E+22	2,112566E+22	2,112562E+22	2,249603E+22	2,422374E+22
2117	2,527151E+22	2,535862E+22	2,503601E+22	2,503590E+22	2,535819E+22	2,527084E+22	2,422321E+22	2,249581E+22	2,112564E+22	2,112565E+22	2,249591E+22	2,422334E+22
2118	2,527084E+22	2,535765E+22	2,503485E+22	2,503522E+22	2,535845E+22	2,527158E+22	2,422391E+22	2,249622E+22	2,112575E+22	2,112569E+22	2,249601E+22	2,422355E+22
2119	2,527129E+22	2,535852E+22	2,503596E+22	2,503620E+22	2,535915E+22	2,527182E+22	2,422372E+22	2,249592E+22	2,112557E+22	2,112577E+22	2,249637E+22	2,422409E+22
2120	2,527167E+22	2,535851E+22	2,503548E+22	2,503509E+22	2,535777E+22	2,527098E+22	2,422351E+22	2,249603E+22	2,112571E+22	2,112571E+22	2,249615E+22	2,422377E+22
2121	2,527123E+22	2,535810E+22	2,503549E+22	2,503564E+22	2,535841E+22	2,527156E+22	2,422420E+22	2,249674E+22	2,112631E+22	2,112610E+22	2,249625E+22	2,422389E+22
2122	2,527190E+22	2,535923E+22	2,503659E+22	2,503655E+22	2,535889E+22	2,527131E+22	2,422359E+22	2,249630E+22	2,112630E+22	2,112641E+22	2,249652E+22	2,422375E+22
2123	2,527135E+22	2,535857E+22	2,503580E+22	2,503551E+22	2,535822E+22	2,527121E+22	2,422372E+22	2,249658E+22	2,112660E+22	2,112657E+22	2,249651E+22	2,422356E+22
2124	2,527101E+22	2,535851E+22	2,503642E+22	2,503662E+22	2,535925E+22	2,527210E+22	2,422433E+22	2,249689E+22	2,112682E+22	2,112688E+22	2,249697E+22	2,422427E+22
2125	2,527185E+22	2,535898E+22	2,503655E+22	2,503664E+22	2,535893E+22	2,527142E+22	2,422382E+22	2,249679E+22	2,112699E+22	2,112700E+22	2,249686E+22	2,422389E+22
2126	2,527127E+22	2,535819E+22	2,503540E+22	2,503550E+22	2,535852E+22	2,527173E+22	2,422446E+22	2,249740E+22	2,112733E+22	2,112710E+22	2,249682E+22	2,422385E+22
2127	2,527144E+22	2,535889E+22	2,503666E+22	2,503675E+22	2,535928E+22	2,527200E+22	2,422435E+22	2,249718E+22	2,112725E+22	2,112723E+22	2,249714E+22	2,422429E+22
2128	2,527184E+22	2,535905E+22	2,503651E+22	2,503612E+22	2,535814E+22	2,527090E+22	2,422373E+22	2,249695E+22	2,112718E+22	2,112718E+22	2,249703E+22	2,422393E+22
2129	2,527111E+22	2,535813E+22	2,503577E+22	2,503605E+22	2,535864E+22	2,527146E+22	2,422412E+22	2,249721E+22	2,112733E+22	2,112725E+22	2,249705E+22	2,422411E+22
2130	2,527172E+22	2,535911E+22	2,503676E+22	2,503687E+22	2,535940E+22	2,527180E+22	2,422378E+22	2,249644E+22	2,112664E+22	2,112692E+22	2,249707E+22	2,422421E+22
2131	2,527158E+22	2,535860E+22	2,503585E+22	2,503550E+22	2,535814E+22	2,527129E+22	2,422380E+22	2,249651E+22	2,112640E+22	2,112639E+22	2,249649E+22	2,422376E+22
2132	2,527124E+22	2,535837E+22	2,503596E+22	2,503610E+22	2,535877E+22	2,527181E+22	2,422429E+22	2,249680E+22	2,112643E+22	2,112623E+22	2,249636E+22	2,422402E+22
2133	2,527201E+22	2,535922E+22	2,503653E+22	2,503647E+22	2,535879E+22	2,527120E+22	2,422351E+22	2,249637E+22	2,112633E+22	2,112619E+22	2,249613E+22	2,422339E+22
2134	2,527107E+22	2,535821E+22	2,503537E+22	2,503517E+22	2,535808E+22	2,527124E+22	2,422381E+22	2,249658E+22	2,112638E+22	2,112620E+22	2,249615E+22	2,422330E+22
2135	2,527082E+22	2,535823E+22	2,503618E+22	2,503646E+22	2,535913E+22	2,527188E+22	2,422395E+22	2,249632E+22	2,112609E+22	2,112617E+22	2,249647E+22	2,422394E+22
2136	2,527150E+22	2,535853E+22	2,503604E+22	2,503598E+22	2,535832E+22	2,527106E+22	2,422348E+22	2,249612E+22	2,112598E+22	2,112611E+22	2,249643E+22	2,422374E+22
2137	2,527099E+22	2,535764E+22	2,503485E+22	2,503518E+22	2,535827E+22	2,527142E+22	2,422402E+22	2,249670E+22	2,112642E+22	2,112629E+22	2,249642E+22	2,422387E+22
2138	2,527164E+22	2,535887E+22	2,503619E+22	2,503618E+22	2,535906E+22	2,527186E+22	2,422390E+22	2,249634E+22	2,112621E+22	2,112631E+22	2,249655E+22	2,422401E+22
2139	2,527170E+22	2,535882E+22	2,503597E+22	2,503535E+22	2,535777E+22	2,527095E+22	2,422366E+22	2,249653E+22	2,112648E+22	2,112642E+22	2,249640E+22	2,422360E+22
2140	2,527112E+22	2,535831E+22	2,503595E+22	2,503605E+22	2,535847E+22	2,527133E+22	2,422404E+22	2,249700E+22	2,112694E+22	2,112679E+22	2,249669E+22	2,422399E+22
2141	2,527184E+22	2,535927E+22	2,503692E+22	2,503704E+22	2,535927E+22	2,527137E+22	2,422351E+22	2,249662E+22	2,112703E+22	2,112712E+22	2,249694E+22	2,422382E+22
2142	2,527117E+22	2,535835E+22	2,503580E+22	2,503568E+22	2,535841E+22	2,527144E+22	2,422402E+22	2,249704E+22	2,112726E+22	2,112729E+22	2,249706E+22	2,422385E+22
2143	2,527105E+22	2,535831E+22	2,503635E+22	2,503673E+22	2,535933E+22	2,527218E+22	2,422456E+22	2,249731E+22	2,112734E+22	2,112732E+22	2,249721E+22	2,422437E+22
2144	2,527199E+22	2,535922E+22	2,503680E+22	2,503668E+22	2,535879E+22	2,527138E+22	2,422406E+22	2,249729E+22	2,112760E+22	2,112756E+22	2,249723E+22	2,422399E+22
2145	2,527125E+22	2,535832E+22	2,503571E+22	2,503568E+22	2,535830E+22	2,527135E+22	2,422434E+22	2,249781E+22	2,112815E+22	2,112792E+22	2,249729E+22	2,422397E+22
2146	2,527148E+22	2,535905E+22	2,503695E+22	2,503699E+22	2,535938E+22	2,527197E+22	2,422425E+22	2,249731E+22	2,112775E+22	2,112784E+22	2,249749E+22	2,422428E+22
2147	2,527168E+22	2,535901E+22	2,503671E+22	2,503642E+22	2,535842E+22	2,527108E+22	2,422381E+22	2,249715E+22	2,112763E+22	2,112770E+22	2,249734E+22	2,422400E+22
2148	2,527113E+22	2,535816E+22	2,503585E+22	2,503618E+22	2,535872E+22	2,527149E+22	2,422415E+22	2,249733E+22	2,112758E+22	2,112754E+22	2,249730E+22	2,422433E+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	2,527193E+22	2,535927E+22	2,503689E+22	2,503699E+22	2,535945E+22	2,527179E+22	2,422388E+22	2,249686E+22	2,112719E+22	2,112725E+22	2,249709E+22	2,422408E+22
2150	2,527150E+22	2,535864E+22	2,503598E+22	2,503556E+22	2,535806E+22	2,527130E+22	2,422403E+22	2,249701E+22	2,112708E+22	2,112696E+22	2,249672E+22	2,422369E+22
2151	2,527108E+22	2,535826E+22	2,503611E+22	2,503634E+22	2,535877E+22	2,527171E+22	2,422431E+22	2,249708E+22	2,112694E+22	2,112673E+22	2,249656E+22	2,422387E+22
2152	2,527181E+22	2,535923E+22	2,503681E+22	2,503678E+22	2,535890E+22	2,527118E+22	2,422356E+22	2,249664E+22	2,112683E+22	2,112682E+22	2,249666E+22	2,422355E+22
2153	2,527088E+22	2,535799E+22	2,503537E+22	2,503534E+22	2,535813E+22	2,527114E+22	2,422372E+22	2,249682E+22	2,112700E+22	2,112695E+22	2,249677E+22	2,422370E+22
2154	2,527102E+22	2,535823E+22	2,503606E+22	2,503635E+22	2,535916E+22	2,527213E+22	2,422415E+22	2,249655E+22	2,112650E+22	2,112663E+22	2,249680E+22	2,422414E+22
2155	2,527168E+22	2,535871E+22	2,503616E+22	2,503598E+22	2,535824E+22	2,527113E+22	2,422377E+22	2,249662E+22	2,112658E+22	2,112657E+22	2,249659E+22	2,422378E+22
2156	2,527122E+22	2,535803E+22	2,503519E+22	2,503528E+22	2,535802E+22	2,527107E+22	2,422389E+22	2,249700E+22	2,112700E+22	2,112681E+22	2,249663E+22	2,422388E+22
2157	2,527175E+22	2,535924E+22	2,503677E+22	2,503664E+22	2,535909E+22	2,527159E+22	2,422374E+22	2,249672E+22	2,112700E+22	2,112699E+22	2,249678E+22	2,422380E+22
2158	2,527139E+22	2,535879E+22	2,503635E+22	2,503589E+22	2,535804E+22	2,527097E+22	2,422367E+22	2,249685E+22	2,112719E+22	2,112723E+22	2,249692E+22	2,422365E+22
2159	2,527083E+22	2,535798E+22	2,503603E+22	2,503649E+22	2,535888E+22	2,527159E+22	2,422414E+22	2,249719E+22	2,112740E+22	2,112735E+22	2,249707E+22	2,422411E+22
2160	2,527179E+22	2,535922E+22	2,503703E+22	2,503726E+22	2,535953E+22	2,527175E+22	2,422394E+22	2,249707E+22	2,112752E+22	2,112767E+22	2,249743E+22	2,422409E+22
2161	2,527122E+22	2,535829E+22	2,503578E+22	2,503570E+22	2,535829E+22	2,527137E+22	2,422424E+22	2,249767E+22	2,112811E+22	2,112803E+22	2,249750E+22	2,422410E+22
2162	2,527128E+22	2,535852E+22	2,503639E+22	2,503660E+22	2,535922E+22	2,527226E+22	2,422479E+22	2,249781E+22	2,112810E+22	2,112800E+22	2,249751E+22	2,422434E+22
2163	2,527195E+22	2,535942E+22	2,503716E+22	2,503689E+22	2,535871E+22	2,527127E+22	2,422417E+22	2,249777E+22	2,112836E+22	2,112830E+22	2,249758E+22	2,422397E+22
2164	2,527122E+22	2,535845E+22	2,503599E+22	2,503594E+22	2,535823E+22	2,527099E+22	2,422402E+22	2,249790E+22	2,112865E+22	2,112857E+22	2,249780E+22	2,422422E+22
2165	2,527156E+22	2,535916E+22	2,503720E+22	2,503732E+22	2,535958E+22	2,527192E+22	2,422410E+22	2,249747E+22	2,112824E+22	2,112836E+22	2,249783E+22	2,422440E+22
2166	2,527165E+22	2,535896E+22	2,503674E+22	2,503656E+22	2,535854E+22	2,527125E+22	2,422400E+22	2,249740E+22	2,112800E+22	2,112812E+22	2,249765E+22	2,422418E+22
2167	2,527120E+22	2,535814E+22	2,503590E+22	2,503631E+22	2,535874E+22	2,527152E+22	2,422430E+22	2,249760E+22	2,112788E+22	2,112770E+22	2,249726E+22	2,422421E+22
2168	2,527198E+22	2,535956E+22	2,503724E+22	2,503718E+22	2,535942E+22	2,527181E+22	2,422408E+22	2,249723E+22	2,112764E+22	2,112764E+22	2,249725E+22	2,422392E+22
2169	2,527127E+22	2,535863E+22	2,503623E+22	2,503583E+22	2,535797E+22	2,527104E+22	2,422398E+22	2,249741E+22	2,112782E+22	2,112768E+22	2,249710E+22	2,422367E+22
2170	2,527092E+22	2,535819E+22	2,503615E+22	2,503649E+22	2,535895E+22	2,527186E+22	2,422436E+22	2,249730E+22	2,112748E+22	2,112736E+22	2,249694E+22	2,422384E+22
2171	2,527152E+22	2,535904E+22	2,503683E+22	2,503696E+22	2,535908E+22	2,527140E+22	2,422380E+22	2,249698E+22	2,112737E+22	2,112742E+22	2,249705E+22	2,422372E+22
2172	2,527095E+22	2,535798E+22	2,503531E+22	2,503532E+22	2,535803E+22	2,527104E+22	2,422375E+22	2,249706E+22	2,112744E+22	2,112744E+22	2,249717E+22	2,422404E+22
2173	2,527134E+22	2,535853E+22	2,503625E+22	2,503641E+22	2,535904E+22	2,527193E+22	2,422417E+22	2,249702E+22	2,112718E+22	2,112715E+22	2,249701E+22	2,422414E+22
2174	2,527174E+22	2,535892E+22	2,503640E+22	2,503612E+22	2,535815E+22	2,527103E+22	2,422386E+22	2,249704E+22	2,112729E+22	2,112728E+22	2,249698E+22	2,422383E+22
2175	2,527114E+22	2,535811E+22	2,503558E+22	2,503574E+22	2,535810E+22	2,527092E+22	2,422382E+22	2,249720E+22	2,112750E+22	2,112736E+22	2,249693E+22	2,422385E+22
2176	2,527162E+22	2,535936E+22	2,503720E+22	2,503716E+22	2,535937E+22	2,527166E+22	2,422378E+22	2,249695E+22	2,112749E+22	2,112767E+22	2,249735E+22	2,422395E+22
2177	2,527121E+22	2,535860E+22	2,503643E+22	2,503623E+22	2,535830E+22	2,527110E+22	2,422379E+22	2,249719E+22	2,112786E+22	2,112800E+22	2,249752E+22	2,422399E+22
2178	2,527098E+22	2,535800E+22	2,503592E+22	2,503643E+22	2,535905E+22	2,527199E+22	2,422454E+22	2,249760E+22	2,112791E+22	2,112785E+22	2,249736E+22	2,422416E+22
2179	2,527180E+22	2,535932E+22	2,503712E+22	2,503726E+22	2,535945E+22	2,527184E+22	2,422436E+22	2,249775E+22	2,112830E+22	2,112824E+22	2,249758E+22	2,422407E+22
2180	2,527136E+22	2,535858E+22	2,503602E+22	2,503575E+22	2,535802E+22	2,527100E+22	2,422415E+22	2,249807E+22	2,112885E+22	2,112871E+22	2,249784E+22	2,422416E+22
2181	2,527136E+22	2,535882E+22	2,503683E+22	2,503692E+22	2,535910E+22	2,527184E+22	2,422460E+22	2,249820E+22	2,112889E+22	2,112875E+22	2,249787E+22	2,422425E+22
2182	2,527169E+22	2,535936E+22	2,503739E+22	2,503725E+22	2,535888E+22	2,527120E+22	2,422410E+22	2,249798E+22	2,112896E+22	2,112906E+22	2,249817E+22	2,422417E+22
2183	2,527105E+22	2,535827E+22	2,503613E+22	2,503630E+22	2,535849E+22	2,527109E+22	2,422401E+22	2,249791E+22	2,112886E+22	2,112891E+22	2,249810E+22	2,422438E+22
2184	2,527162E+22	2,535926E+22	2,503740E+22	2,503754E+22	2,535973E+22	2,527212E+22	2,422439E+22	2,249772E+22	2,112851E+22	2,112870E+22	2,249813E+22	2,422451E+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	2,527168E+22	2,535899E+22	2,503681E+22	2,503667E+22	2,535853E+22	2,527122E+22	2,422418E+22	2,249788E+22	2,112863E+22	2,112862E+22	2,249786E+22	2,422421E+22
2186	2,527130E+22	2,535835E+22	2,503599E+22	2,503626E+22	2,535876E+22	2,527168E+22	2,422454E+22	2,249801E+22	2,112847E+22	2,112820E+22	2,249737E+22	2,422395E+22
2187	2,527168E+22	2,535958E+22	2,503752E+22	2,503745E+22	2,535945E+22	2,527178E+22	2,422429E+22	2,249774E+22	2,112836E+22	2,112828E+22	2,249750E+22	2,422384E+22
2188	2,527111E+22	2,535856E+22	2,503632E+22	2,503605E+22	2,535800E+22	2,527077E+22	2,422377E+22	2,249756E+22	2,112837E+22	2,112837E+22	2,249766E+22	2,422397E+22
2189	2,527095E+22	2,535816E+22	2,503617E+22	2,503661E+22	2,535902E+22	2,527178E+22	2,422435E+22	2,249757E+22	2,112801E+22	2,112795E+22	2,249741E+22	2,422408E+22
2190	2,527155E+22	2,535896E+22	2,503674E+22	2,503691E+22	2,535904E+22	2,527146E+22	2,422401E+22	2,249731E+22	2,112783E+22	2,112796E+22	2,249752E+22	2,422403E+22
2191	2,527110E+22	2,535810E+22	2,503546E+22	2,503539E+22	2,535790E+22	2,527088E+22	2,422376E+22	2,249727E+22	2,112778E+22	2,112773E+22	2,249728E+22	2,422406E+22
2192	2,527152E+22	2,535897E+22	2,503678E+22	2,503672E+22	2,535901E+22	2,527178E+22	2,422420E+22	2,249726E+22	2,112766E+22	2,112769E+22	2,249730E+22	2,422408E+22
2193	2,527161E+22	2,535904E+22	2,503681E+22	2,503659E+22	2,535827E+22	2,527081E+22	2,422374E+22	2,249733E+22	2,112796E+22	2,112799E+22	2,249739E+22	2,422386E+22
2194	2,527103E+22	2,535813E+22	2,503572E+22	2,503603E+22	2,535851E+22	2,527124E+22	2,422397E+22	2,249746E+22	2,112801E+22	2,112793E+22	2,249726E+22	2,422379E+22
2195	2,527133E+22	2,535920E+22	2,503731E+22	2,503747E+22	2,535971E+22	2,527204E+22	2,422424E+22	2,249746E+22	2,112810E+22	2,112821E+22	2,249762E+22	2,422405E+22
2196	2,527124E+22	2,535856E+22	2,503637E+22	2,503624E+22	2,535826E+22	2,527106E+22	2,422400E+22	2,249769E+22	2,112852E+22	2,112861E+22	2,249792E+22	2,422422E+22
2197	2,527117E+22	2,535823E+22	2,503604E+22	2,503640E+22	2,535888E+22	2,527182E+22	2,422475E+22	2,249830E+22	2,112882E+22	2,112857E+22	2,249767E+22	2,422413E+22
2198	2,527171E+22	2,535943E+22	2,503732E+22	2,503731E+22	2,535928E+22	2,527167E+22	2,422448E+22	2,249828E+22	2,112917E+22	2,112914E+22	2,249813E+22	2,422416E+22
2199	2,527121E+22	2,535862E+22	2,503640E+22	2,503611E+22	2,535798E+22	2,527069E+22	2,422396E+22	2,249824E+22	2,112939E+22	2,112936E+22	2,249827E+22	2,422427E+22
2200	2,527134E+22	2,535897E+22	2,503725E+22	2,503740E+22	2,535933E+22	2,527175E+22	2,422445E+22	2,249825E+22	2,112932E+22	2,112943E+22	2,249848E+22	2,422451E+22
2201	2,527164E+22	2,535926E+22	2,503746E+22	2,503752E+22	2,535911E+22	2,527127E+22	2,422412E+22	2,249816E+22	2,112940E+22	2,112963E+22	2,249866E+22	2,422453E+22
2202	2,527130E+22	2,535842E+22	2,503611E+22	2,503627E+22	2,535868E+22	2,527145E+22	2,422435E+22	2,249822E+22	2,112917E+22	2,112915E+22	2,249819E+22	2,422435E+22
2203	2,527162E+22	2,535944E+22	2,503764E+22	2,503766E+22	2,535973E+22	2,527222E+22	2,422478E+22	2,249831E+22	2,112910E+22	2,112902E+22	2,249807E+22	2,422435E+22
2204	2,527168E+22	2,535918E+22	2,503707E+22	2,503682E+22	2,535842E+22	2,527094E+22	2,422415E+22	2,249825E+22	2,112928E+22	2,112920E+22	2,249809E+22	2,422411E+22
2205	2,527117E+22	2,535848E+22	2,503630E+22	2,503653E+22	2,535878E+22	2,527143E+22	2,422449E+22	2,249843E+22	2,112918E+22	2,112888E+22	2,249771E+22	2,422382E+22
2206	2,527127E+22	2,535928E+22	2,503750E+22	2,503762E+22	2,535966E+22	2,527185E+22	2,422434E+22	2,249800E+22	2,112893E+22	2,112902E+22	2,249811E+22	2,422408E+22
2207	2,527092E+22	2,535830E+22	2,503630E+22	2,503618E+22	2,535812E+22	2,527082E+22	2,422381E+22	2,249766E+22	2,112862E+22	2,112874E+22	2,249804E+22	2,422428E+22
2208	2,527115E+22	2,535830E+22	2,503630E+22	2,503665E+22	2,535896E+22	2,527172E+22	2,422447E+22	2,249780E+22	2,112835E+22	2,112839E+22	2,249781E+22	2,422432E+22
2209	2,527170E+22	2,535911E+22	2,503685E+22	2,503692E+22	2,535891E+22	2,527129E+22	2,422408E+22	2,249771E+22	2,112845E+22	2,112851E+22	2,249784E+22	2,422420E+22
2210	2,527132E+22	2,535847E+22	2,503573E+22	2,503545E+22	2,535794E+22	2,527094E+22	2,422386E+22	2,249754E+22	2,112825E+22	2,112818E+22	2,249742E+22	2,422386E+22
2211	2,527129E+22	2,535911E+22	2,503723E+22	2,503716E+22	2,535916E+22	2,527173E+22	2,422433E+22	2,249769E+22	2,112829E+22	2,112823E+22	2,249749E+22	2,422402E+22
2212	2,527148E+22	2,535901E+22	2,503700E+22	2,503696E+22	2,535854E+22	2,527075E+22	2,422365E+22	2,249754E+22	2,112853E+22	2,112865E+22	2,249786E+22	2,422405E+22
2213	2,527103E+22	2,535814E+22	2,503583E+22	2,503619E+22	2,535867E+22	2,527132E+22	2,422419E+22	2,249793E+22	2,112865E+22	2,112854E+22	2,249764E+22	2,422388E+22
2214	2,527120E+22	2,535904E+22	2,503723E+22	2,503744E+22	2,535973E+22	2,527217E+22	2,422463E+22	2,249807E+22	2,112882E+22	2,112888E+22	2,249807E+22	2,422423E+22
2215	2,527122E+22	2,535863E+22	2,503658E+22	2,503631E+22	2,535811E+22	2,527085E+22	2,422407E+22	2,249812E+22	2,112916E+22	2,112915E+22	2,249817E+22	2,422425E+22
2216	2,527124E+22	2,535855E+22	2,503653E+22	2,503666E+22	2,535875E+22	2,527152E+22	2,422467E+22	2,249860E+22	2,112952E+22	2,112940E+22	2,249819E+22	2,422417E+22
2217	2,527155E+22	2,535945E+22	2,503763E+22	2,503768E+22	2,535935E+22	2,527143E+22	2,422432E+22	2,249855E+22	2,112989E+22	2,112999E+22	2,249875E+22	2,422440E+22
2218	2,527121E+22	2,535867E+22	2,503654E+22	2,503635E+22	2,535836E+22	2,527095E+22	2,422400E+22	2,249835E+22	2,112978E+22	2,112988E+22	2,249866E+22	2,422438E+22
2219	2,527123E+22	2,535894E+22	2,503745E+22	2,503771E+22	2,535964E+22	2,527203E+22	2,422479E+22	2,249865E+22	2,112977E+22	2,112979E+22	2,249867E+22	2,422469E+22
2220	2,527185E+22	2,535936E+22	2,503751E+22	2,503762E+22	2,535919E+22	2,527126E+22	2,422427E+22	2,249856E+22	2,112992E+22	2,113005E+22	2,249888E+22	2,422467E+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												
2221	2,527148E+22	2,535870E+22	2,503635E+22	2,503633E+22	2,535862E+22	2,527137E+22	2,422460E+22	2,249886E+22	2,112991E+22	2,112968E+22	2,249833E+22	2,422417E+22
2222	2,527138E+22	2,535941E+22	2,503783E+22	2,503779E+22	2,535969E+22	2,527218E+22	2,422500E+22	2,249885E+22	2,112986E+22	2,112975E+22	2,249847E+22	2,422430E+22
2223	2,527135E+22	2,535906E+22	2,503733E+22	2,503709E+22	2,535842E+22	2,527071E+22	2,422403E+22	2,249846E+22	2,112978E+22	2,112978E+22	2,249849E+22	2,422421E+22
2224	2,527106E+22	2,535845E+22	2,503650E+22	2,503678E+22	2,535893E+22	2,527139E+22	2,422439E+22	2,249848E+22	2,112961E+22	2,112958E+22	2,249834E+22	2,422413E+22
2225	2,527126E+22	2,535909E+22	2,503738E+22	2,503760E+22	2,535970E+22	2,527185E+22	2,422436E+22	2,249818E+22	2,112933E+22	2,112954E+22	2,249861E+22	2,422452E+22
2226	2,527126E+22	2,535847E+22	2,503621E+22	2,503597E+22	2,535811E+22	2,527096E+22	2,422399E+22	2,249791E+22	2,112890E+22	2,112895E+22	2,249812E+22	2,422431E+22
2227	2,527128E+22	2,535861E+22	2,503667E+22	2,503681E+22	2,535889E+22	2,527160E+22	2,422462E+22	2,249826E+22	2,112888E+22	2,112866E+22	2,249774E+22	2,422423E+22
2228	2,527181E+22	2,535939E+22	2,503725E+22	2,503718E+22	2,535885E+22	2,527093E+22	2,422388E+22	2,249795E+22	2,112901E+22	2,112905E+22	2,249805E+22	2,422411E+22
2229	2,527122E+22	2,535866E+22	2,503621E+22	2,503589E+22	2,535810E+22	2,527080E+22	2,422387E+22	2,249795E+22	2,112890E+22	2,112880E+22	2,249772E+22	2,422370E+22
2230	2,527084E+22	2,535881E+22	2,503733E+22	2,503748E+22	2,535953E+22	2,527198E+22	2,422454E+22	2,249806E+22	2,112890E+22	2,112892E+22	2,249799E+22	2,422412E+22
2231	2,527119E+22	2,535875E+22	2,503706E+22	2,503713E+22	2,535873E+22	2,527091E+22	2,422386E+22	2,249788E+22	2,112900E+22	2,112914E+22	2,249821E+22	2,422423E+22
2232	2,527110E+22	2,535822E+22	2,503597E+22	2,503625E+22	2,535868E+22	2,527135E+22	2,422441E+22	2,249839E+22	2,112934E+22	2,112926E+22	2,249811E+22	2,422405E+22
2233	2,527124E+22	2,535905E+22	2,503725E+22	2,503738E+22	2,535960E+22	2,527203E+22	2,422475E+22	2,249863E+22	2,112970E+22	2,112971E+22	2,249859E+22	2,422447E+22
2234	2,527139E+22	2,535887E+22	2,503677E+22	2,503636E+22	2,535811E+22	2,527082E+22	2,422413E+22	2,249850E+22	2,112983E+22	2,112984E+22	2,249857E+22	2,422428E+22
2235	2,527113E+22	2,535869E+22	2,503699E+22	2,503711E+22	2,535888E+22	2,527135E+22	2,422465E+22	2,249898E+22	2,113020E+22	2,113004E+22	2,249861E+22	2,422440E+22
2236	2,527164E+22	2,535947E+22	2,503783E+22	2,503799E+22	2,535957E+22	2,527135E+22	2,422416E+22	2,249867E+22	2,113039E+22	2,113065E+22	2,249930E+22	2,422476E+22
2237	2,527143E+22	2,535887E+22	2,503678E+22	2,503654E+22	2,535850E+22	2,527107E+22	2,422425E+22	2,249875E+22	2,113023E+22	2,113031E+22	2,249893E+22	2,422446E+22
2238	2,527123E+22	2,535896E+22	2,503752E+22	2,503775E+22	2,535969E+22	2,527219E+22	2,422516E+22	2,249921E+22	2,113036E+22	2,113025E+22	2,249887E+22	2,422468E+22
2239	2,527179E+22	2,535952E+22	2,503785E+22	2,503777E+22	2,535914E+22	2,527115E+22	2,422434E+22	2,249895E+22	2,113047E+22	2,113044E+22	2,249893E+22	2,422451E+22
2240	2,527141E+22	2,535892E+22	2,503683E+22	2,503665E+22	2,535860E+22	2,527116E+22	2,422451E+22	2,249912E+22	2,113056E+22	2,113042E+22	2,249870E+22	2,422405E+22
2241	2,527103E+22	2,535915E+22	2,503790E+22	2,503802E+22	2,535980E+22	2,527207E+22	2,422493E+22	2,249914E+22	2,113051E+22	2,113051E+22	2,249902E+22	2,422451E+22
2242	2,527127E+22	2,535889E+22	2,503724E+22	2,503714E+22	2,535869E+22	2,527096E+22	2,422409E+22	2,249858E+22	2,113010E+22	2,113021E+22	2,249884E+22	2,422435E+22
2243	2,527100E+22	2,535836E+22	2,503655E+22	2,503685E+22	2,535895E+22	2,527145E+22	2,422460E+22	2,249884E+22	2,113000E+22	2,112986E+22	2,249852E+22	2,422439E+22
2244	2,527156E+22	2,535921E+22	2,503738E+22	2,503751E+22	2,535955E+22	2,527166E+22	2,422435E+22	2,249849E+22	2,112982E+22	2,112996E+22	2,249884E+22	2,422469E+22
2245	2,527155E+22	2,535887E+22	2,503658E+22	2,503604E+22	2,535794E+22	2,527077E+22	2,422408E+22	2,249836E+22	2,112948E+22	2,112940E+22	2,249822E+22	2,422413E+22
2246	2,527110E+22	2,535868E+22	2,503701E+22	2,503709E+22	2,535893E+22	2,527152E+22	2,422468E+22	2,249865E+22	2,112953E+22	2,112929E+22	2,249805E+22	2,422413E+22
2247	2,527148E+22	2,535934E+22	2,503766E+22	2,503764E+22	2,535907E+22	2,527083E+22	2,422373E+22	2,249810E+22	2,112946E+22	2,112955E+22	2,249837E+22	2,422415E+22
2248	2,527108E+22	2,535859E+22	2,503647E+22	2,503627E+22	2,535843E+22	2,527094E+22	2,422386E+22	2,249807E+22	2,112941E+22	2,112954E+22	2,249828E+22	2,422390E+22
2249	2,527072E+22	2,535849E+22	2,503715E+22	2,503747E+22	2,535965E+22	2,527220E+22	2,422483E+22	2,249851E+22	2,112951E+22	2,112957E+22	2,249851E+22	2,422446E+22
2250	2,527140E+22	2,535882E+22	2,503695E+22	2,503695E+22	2,535874E+22	2,527110E+22	2,422418E+22	2,249839E+22	2,112959E+22	2,112960E+22	2,249842E+22	2,422427E+22
2251	2,527116E+22	2,535845E+22	2,503633E+22	2,503639E+22	2,535853E+22	2,527119E+22	2,422458E+22	2,249899E+22	2,113014E+22	2,112983E+22	2,249831E+22	2,422414E+22
2252	2,527140E+22	2,535926E+22	2,503758E+22	2,503759E+22	2,535948E+22	2,527165E+22	2,422453E+22	2,249894E+22	2,113046E+22	2,113052E+22	2,249907E+22	2,422461E+22
2253	2,527146E+22	2,535909E+22	2,503721E+22	2,503676E+22	2,535822E+22	2,527067E+22	2,422410E+22	2,249886E+22	2,113048E+22	2,113055E+22	2,249901E+22	2,422435E+22
2254	2,527095E+22	2,535856E+22	2,503717E+22	2,503747E+22	2,535922E+22	2,527156E+22	2,422480E+22	2,249929E+22	2,113075E+22	2,113069E+22	2,249910E+22	2,422460E+22
2255	2,527156E+22	2,535945E+22	2,503805E+22	2,503819E+22	2,535970E+22	2,527145E+22	2,422431E+22	2,249897E+22	2,113078E+22	2,113101E+22	2,249952E+22	2,422489E+22
2256	2,527158E+22	2,535909E+22	2,503710E+22	2,503676E+22	2,535858E+22	2,527114E+22	2,422444E+22	2,249916E+22	2,113089E+22	2,113094E+22	2,249921E+22	2,422444E+22

1 Longitude $\odot$	2	3	4	5	6	7	8	9	10	11	12	13
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
2257	2,527116E+22	2,535896E+22	2,503763E+22	2,503782E+22	2,535965E+22	2,527216E+22	2,422533E+22	2,249973E+22	2,113115E+22	2,113095E+22	2,249918E+22	2,422466E+22
2258	2,527172E+22	2,535958E+22	2,503798E+22	2,503786E+22	2,535920E+22	2,527117E+22	2,422443E+22	2,249933E+22	2,113109E+22	2,113103E+22	2,249920E+22	2,422438E+22
2259	2,527113E+22	2,535883E+22	2,503710E+22	2,503701E+22	2,535873E+22	2,527108E+22	2,422451E+22	2,249947E+22	2,113117E+22	2,113098E+22	2,249908E+22	2,422429E+22
2260	2,527108E+22	2,535897E+22	2,503779E+22	2,503806E+22	2,535985E+22	2,527198E+22	2,422477E+22	2,249922E+22	2,113095E+22	2,113110E+22	2,249956E+22	2,422491E+22
2261	2,527153E+22	2,535901E+22	2,503729E+22	2,503711E+22	2,535857E+22	2,527094E+22	2,422431E+22	2,249893E+22	2,113048E+22	2,113057E+22	2,249909E+22	2,422450E+22
2262	2,527111E+22	2,535845E+22	2,503665E+22	2,503686E+22	2,535885E+22	2,527140E+22	2,422473E+22	2,249923E+22	2,113049E+22	2,113025E+22	2,249869E+22	2,422438E+22
2263	2,527156E+22	2,535948E+22	2,503782E+22	2,503769E+22	2,535939E+22	2,527139E+22	2,422421E+22	2,249868E+22	2,113025E+22	2,113031E+22	2,249888E+22	2,422452E+22
2264	2,527149E+22	2,535914E+22	2,503716E+22	2,503655E+22	2,535807E+22	2,527063E+22	2,422391E+22	2,249847E+22	2,113002E+22	2,113008E+22	2,249852E+22	2,422396E+22
2265	2,527075E+22	2,535844E+22	2,503711E+22	2,503743E+22	2,535924E+22	2,527163E+22	2,422469E+22	2,249890E+22	2,113010E+22	2,112996E+22	2,249851E+22	2,422424E+22
2266	2,527135E+22	2,535913E+22	2,503754E+22	2,503777E+22	2,535947E+22	2,527128E+22	2,422400E+22	2,249838E+22	2,112987E+22	2,112999E+22	2,249866E+22	2,422424E+22
2267	2,527100E+22	2,535847E+22	2,503651E+22	2,503642E+22	2,535851E+22	2,527112E+22	2,422426E+22	2,249867E+22	2,113003E+22	2,112996E+22	2,249855E+22	2,422419E+22
2268	2,527097E+22	2,535851E+22	2,503704E+22	2,503733E+22	2,535946E+22	2,527207E+22	2,422496E+22	2,249904E+22	2,113030E+22	2,113028E+22	2,249892E+22	2,422468E+22
2269	2,527167E+22	2,535918E+22	2,503728E+22	2,503698E+22	2,535844E+22	2,527090E+22	2,422437E+22	2,249898E+22	2,113041E+22	2,113036E+22	2,249879E+22	2,422425E+22
2270	2,527106E+22	2,535856E+22	2,503668E+22	2,503667E+22	2,535846E+22	2,527097E+22	2,422455E+22	2,249942E+22	2,113094E+22	2,113069E+22	2,249886E+22	2,422421E+22
2271	2,527126E+22	2,535938E+22	2,503804E+22	2,503802E+22	2,535960E+22	2,527145E+22	2,422427E+22	2,249905E+22	2,113098E+22	2,113116E+22	2,249954E+22	2,422482E+22
2272	2,527154E+22	2,535924E+22	2,503760E+22	2,503724E+22	2,535854E+22	2,527076E+22	2,422399E+22	2,249889E+22	2,113095E+22	2,113124E+22	2,249950E+22	2,422454E+22
2273	2,527096E+22	2,535848E+22	2,503716E+22	2,503757E+22	2,535937E+22	2,527177E+22	2,422507E+22	2,249969E+22	2,113128E+22	2,113119E+22	2,249943E+22	2,422480E+22
2274	2,527175E+22	2,535963E+22	2,503812E+22	2,503824E+22	2,535983E+22	2,527167E+22	2,422462E+22	2,249944E+22	2,113130E+22	2,113134E+22	2,249952E+22	2,422470E+22
2275	2,527147E+22	2,535925E+22	2,503751E+22	2,503708E+22	2,535854E+22	2,527105E+22	2,422462E+22	2,249973E+22	2,113162E+22	2,113144E+22	2,249934E+22	2,422436E+22
2276	2,527106E+22	2,535891E+22	2,503777E+22	2,503802E+22	2,535962E+22	2,527193E+22	2,422522E+22	2,250006E+22	2,113189E+22	2,113175E+22	2,249966E+22	2,422470E+22
2277	2,527159E+22	2,535957E+22	2,503817E+22	2,503811E+22	2,535926E+22	2,527114E+22	2,422452E+22	2,249965E+22	2,113167E+22	2,113171E+22	2,249966E+22	2,422446E+22
2278	2,527090E+22	2,535857E+22	2,503704E+22	2,503714E+22	2,535887E+22	2,527122E+22	2,422465E+22	2,249975E+22	2,113167E+22	2,113157E+22	2,249956E+22	2,422452E+22
2279	2,527110E+22	2,535900E+22	2,503786E+22	2,503805E+22	2,535974E+22	2,527190E+22	2,422479E+22	2,249941E+22	2,113126E+22	2,113140E+22	2,249977E+22	2,422510E+22
2280	2,527181E+22	2,535932E+22	2,503756E+22	2,503726E+22	2,535852E+22	2,527083E+22	2,422426E+22	2,249913E+22	2,113099E+22	2,113111E+22	2,249932E+22	2,422449E+22
2281	2,527112E+22	2,535856E+22	2,503682E+22	2,503697E+22	2,535880E+22	2,527133E+22	2,422480E+22	2,249954E+22	2,113105E+22	2,113081E+22	2,249897E+22	2,422438E+22
2282	2,527153E+22	2,535960E+22	2,503804E+22	2,503797E+22	2,535956E+22	2,527144E+22	2,422425E+22	2,249891E+22	2,113068E+22	2,113074E+22	2,249906E+22	2,422437E+22
2283	2,527122E+22	2,535908E+22	2,503748E+22	2,503707E+22	2,535836E+22	2,527072E+22	2,422399E+22	2,249878E+22	2,113055E+22	2,113055E+22	2,249886E+22	2,422417E+22
2284	2,527076E+22	2,535824E+22	2,503695E+22	2,503749E+22	2,535938E+22	2,527177E+22	2,422479E+22	2,249915E+22	2,113063E+22	2,113059E+22	2,249898E+22	2,422451E+22
2285	2,527152E+22	2,535922E+22	2,503754E+22	2,503769E+22	2,535932E+22	2,527139E+22	2,422445E+22	2,249896E+22	2,113046E+22	2,113049E+22	2,249894E+22	2,422431E+22
2286	2,527104E+22	2,535855E+22	2,503660E+22	2,503644E+22	2,535836E+22	2,527104E+22	2,422449E+22	2,249928E+22	2,113083E+22	2,113062E+22	2,249885E+22	2,422418E+22
2287	2,527098E+22	2,535883E+22	2,503747E+22	2,503746E+22	2,535915E+22	2,527164E+22	2,422478E+22	2,249934E+22	2,113096E+22	2,113092E+22	2,249922E+22	2,422467E+22
2288	2,527167E+22	2,535946E+22	2,503783E+22	2,503749E+22	2,535854E+22	2,527065E+22	2,422408E+22	2,249910E+22	2,113111E+22	2,113126E+22	2,249934E+22	2,422428E+22
2289	2,527085E+22	2,535845E+22	2,503686E+22	2,503706E+22	2,535877E+22	2,527105E+22	2,422448E+22	2,249956E+22	2,113148E+22	2,113141E+22	2,249943E+22	2,422446E+22
2290	2,527126E+22	2,535932E+22	2,503806E+22	2,503826E+22	2,535995E+22	2,527178E+22	2,422448E+22	2,249927E+22	2,113134E+22	2,113156E+22	2,249979E+22	2,422489E+22
2291	2,527152E+22	2,535928E+22	2,503782E+22	2,503758E+22	2,535875E+22	2,527099E+22	2,422439E+22	2,249945E+22	2,113152E+22	2,113158E+22	2,249967E+22	2,422470E+22
2292	2,527114E+22	2,535856E+22	2,503716E+22	2,503757E+22	2,535933E+22	2,527176E+22	2,422525E+22	2,250022E+22	2,113206E+22	2,113185E+22	2,249972E+22	2,422479E+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	2,527179E+22	2,535988E+22	2,503844E+22	2,503835E+22	2,535964E+22	2,527161E+22	2,422496E+22	2,250008E+22	2,113211E+22	2,113205E+22	2,249983E+22	2,422456E+22
2294	2,527117E+22	2,535916E+22	2,503773E+22	2,503740E+22	2,535858E+22	2,527093E+22	2,422470E+22	2,250021E+22	2,113243E+22	2,113228E+22	2,249987E+22	2,422440E+22
2295	2,527082E+22	2,535884E+22	2,503792E+22	2,503821E+22	2,535963E+22	2,527175E+22	2,422502E+22	2,250016E+22	2,113237E+22	2,113239E+22	2,250019E+22	2,422498E+22
2296	2,527166E+22	2,535960E+22	2,503828E+22	2,503829E+22	2,535939E+22	2,527118E+22	2,422442E+22	2,249967E+22	2,113209E+22	2,113236E+22	2,250018E+22	2,422475E+22
2297	2,527102E+22	2,535856E+22	2,503694E+22	2,503704E+22	2,535880E+22	2,527125E+22	2,422480E+22	2,250001E+22	2,113204E+22	2,113196E+22	2,249987E+22	2,422477E+22
2298	2,527139E+22	2,535930E+22	2,503798E+22	2,503807E+22	2,535968E+22	2,527185E+22	2,422488E+22	2,249970E+22	2,113163E+22	2,113162E+22	2,249972E+22	2,422493E+22
2299	2,527179E+22	2,535963E+22	2,503808E+22	2,503771E+22	2,535856E+22	2,527068E+22	2,422428E+22	2,249946E+22	2,113147E+22	2,113141E+22	2,249938E+22	2,422442E+22
2300	2,527103E+22	2,535858E+22	2,503701E+22	2,503729E+22	2,535892E+22	2,527120E+22	2,422470E+22	2,249975E+22	2,113160E+22	2,113143E+22	2,249932E+22	2,422435E+22
2301	2,527134E+22	2,535958E+22	2,503826E+22	2,503827E+22	2,535973E+22	2,527163E+22	2,422454E+22	2,249926E+22	2,113116E+22	2,113126E+22	2,249939E+22	2,422435E+22
2302	2,527093E+22	2,535880E+22	2,503741E+22	2,503722E+22	2,535854E+22	2,527096E+22	2,422434E+22	2,249924E+22	2,113114E+22	2,113115E+22	2,249926E+22	2,422427E+22
2303	2,527071E+22	2,535827E+22	2,503694E+22	2,503741E+22	2,535924E+22	2,527170E+22	2,422495E+22	2,249956E+22	2,113120E+22	2,113111E+22	2,249930E+22	2,422466E+22
2304	2,527168E+22	2,535948E+22	2,503777E+22	2,503780E+22	2,535922E+22	2,527121E+22	2,422438E+22	2,249929E+22	2,113124E+22	2,113130E+22	2,249934E+22	2,422433E+22
2305	2,527098E+22	2,535862E+22	2,503675E+22	2,503652E+22	2,535822E+22	2,527083E+22	2,422447E+22	2,249963E+22	2,113155E+22	2,113141E+22	2,249936E+22	2,422433E+22
2306	2,527099E+22	2,535896E+22	2,503773E+22	2,503782E+22	2,535929E+22	2,527149E+22	2,422466E+22	2,249953E+22	2,113148E+22	2,113151E+22	2,249960E+22	2,422472E+22
2307	2,527154E+22	2,535950E+22	2,503820E+22	2,503807E+22	2,535889E+22	2,527070E+22	2,422405E+22	2,249928E+22	2,113155E+22	2,113175E+22	2,249979E+22	2,422464E+22
2308	2,527097E+22	2,535841E+22	2,503685E+22	2,503721E+22	2,535897E+22	2,527123E+22	2,422465E+22	2,249981E+22	2,113194E+22	2,113198E+22	2,249988E+22	2,422473E+22
2309	2,527148E+22	2,535955E+22	2,503825E+22	2,503832E+22	2,535988E+22	2,527197E+22	2,422503E+22	2,249987E+22	2,113191E+22	2,113198E+22	2,249994E+22	2,422483E+22
2310	2,527146E+22	2,535940E+22	2,503804E+22	2,503776E+22	2,535876E+22	2,527101E+22	2,422471E+22	2,250014E+22	2,113237E+22	2,113224E+22	2,249986E+22	2,422449E+22
2311	2,527098E+22	2,535879E+22	2,503753E+22	2,503775E+22	2,535920E+22	2,527150E+22	2,422520E+22	2,250061E+22	2,113280E+22	2,113257E+22	2,250004E+22	2,422469E+22
2312	2,527159E+22	2,535994E+22	2,503879E+22	2,503879E+22	2,535980E+22	2,527145E+22	2,422476E+22	2,250029E+22	2,113287E+22	2,113297E+22	2,250039E+22	2,422461E+22
2313	2,527090E+22	2,535889E+22	2,503767E+22	2,503756E+22	2,535878E+22	2,527101E+22	2,422474E+22	2,250043E+22	2,113297E+22	2,113298E+22	2,250050E+22	2,422477E+22
2314	2,527090E+22	2,535875E+22	2,503782E+22	2,503825E+22	2,535973E+22	2,527183E+22	2,422518E+22	2,250039E+22	2,113269E+22	2,113273E+22	2,250047E+22	2,422518E+22
2315	2,527180E+22	2,535974E+22	2,503846E+22	2,503847E+22	2,535942E+22	2,527119E+22	2,422462E+22	2,250007E+22	2,113249E+22	2,113262E+22	2,250038E+22	2,422500E+22
2316	2,527129E+22	2,535881E+22	2,503706E+22	2,503702E+22	2,535869E+22	2,527112E+22	2,422483E+22	2,250031E+22	2,113258E+22	2,113247E+22	2,250009E+22	2,422478E+22
2317	2,527148E+22	2,535966E+22	2,503841E+22	2,503823E+22	2,535951E+22	2,527175E+22	2,422512E+22	2,250011E+22	2,113217E+22	2,113211E+22	2,249989E+22	2,422473E+22
2318	2,527148E+22	2,535958E+22	2,503839E+22	2,503819E+22	2,535883E+22	2,527065E+22	2,422434E+22	2,249984E+22	2,113211E+22	2,113204E+22	2,249972E+22	2,422432E+22
2319	2,527076E+22	2,535854E+22	2,503715E+22	2,503751E+22	2,535908E+22	2,527116E+22	2,422460E+22	2,249986E+22	2,113202E+22	2,113195E+22	2,249972E+22	2,422450E+22
2320	2,527126E+22	2,535949E+22	2,503827E+22	2,503842E+22	2,535990E+22	2,527175E+22	2,422462E+22	2,249947E+22	2,113167E+22	2,113188E+22	2,249981E+22	2,422452E+22
2321	2,527093E+22	2,535871E+22	2,503725E+22	2,503708E+22	2,535848E+22	2,527099E+22	2,422459E+22	2,249968E+22	2,113169E+22	2,113166E+22	2,249963E+22	2,422448E+22
2322	2,527087E+22	2,535843E+22	2,503701E+22	2,503735E+22	2,535904E+22	2,527146E+22	2,422498E+22	2,249993E+22	2,113176E+22	2,113156E+22	2,249945E+22	2,422458E+22
2323	2,527163E+22	2,535971E+22	2,503822E+22	2,503817E+22	2,535922E+22	2,527098E+22	2,422434E+22	2,249961E+22	2,113182E+22	2,113185E+22	2,249971E+22	2,422448E+22
2324	2,527096E+22	2,535868E+22	2,503698E+22	2,503682E+22	2,535837E+22	2,527069E+22	2,422429E+22	2,249976E+22	2,113211E+22	2,113213E+22	2,249989E+22	2,422450E+22
2325	2,527098E+22	2,535907E+22	2,503802E+22	2,503811E+22	2,535947E+22	2,527167E+22	2,422493E+22	2,249982E+22	2,113193E+22	2,113203E+22	2,249997E+22	2,422483E+22
2326	2,527143E+22	2,535940E+22	2,503830E+22	2,503838E+22	2,535921E+22	2,527096E+22	2,422443E+22	2,249980E+22	2,113215E+22	2,113228E+22	2,250008E+22	2,422467E+22
2327	2,527100E+22	2,535861E+22	2,503701E+22	2,503725E+22	2,535893E+22	2,527121E+22	2,422486E+22	2,250031E+22	2,113258E+22	2,113250E+22	2,250011E+22	2,422475E+22
2328	2,527150E+22	2,535978E+22	2,503858E+22	2,503853E+22	2,535990E+22	2,527191E+22	2,422513E+22	2,250038E+22	2,113281E+22	2,113282E+22	2,250029E+22	2,422472E+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												
2329	2,527125E+22	2,535939E+22	2,503820E+22	2,503788E+22	2,535872E+22	2,527090E+22	2,422486E+22	2,250066E+22	2,113322E+22	2,113312E+22	2,250042E+22	2,422461E+22
2330	2,527084E+22	2,535873E+22	2,503766E+22	2,503801E+22	2,535931E+22	2,527134E+22	2,422512E+22	2,250090E+22	2,113343E+22	2,113327E+22	2,250052E+22	2,422483E+22
2331	2,527146E+22	2,535986E+22	2,503897E+22	2,503913E+22	2,536007E+22	2,527150E+22	2,422475E+22	2,250047E+22	2,113330E+22	2,113351E+22	2,250096E+22	2,422511E+22
2332	2,527111E+22	2,535887E+22	2,503757E+22	2,503750E+22	2,535879E+22	2,527104E+22	2,422482E+22	2,250063E+22	2,113336E+22	2,113349E+22	2,250096E+22	2,422515E+22
2333	2,527126E+22	2,535912E+22	2,503808E+22	2,503823E+22	2,535951E+22	2,527179E+22	2,422551E+22	2,250083E+22	2,113311E+22	2,113302E+22	2,250056E+22	2,422516E+22
2334	2,527184E+22	2,535998E+22	2,503882E+22	2,503871E+22	2,535941E+22	2,527104E+22	2,422472E+22	2,250052E+22	2,113311E+22	2,113308E+22	2,250044E+22	2,422473E+22
2335	2,527115E+22	2,535912E+22	2,503754E+22	2,503732E+22	2,535867E+22	2,527087E+22	2,422467E+22	2,250049E+22	2,113307E+22	2,113297E+22	2,250030E+22	2,422461E+22
2336	2,527120E+22	2,535967E+22	2,503879E+22	2,503876E+22	2,535985E+22	2,527172E+22	2,422493E+22	2,250022E+22	2,113272E+22	2,113277E+22	2,250024E+22	2,422464E+22
2337	2,527108E+22	2,535920E+22	2,503826E+22	2,503831E+22	2,535914E+22	2,527090E+22	2,422453E+22	2,250010E+22	2,113256E+22	2,113259E+22	2,250018E+22	2,422454E+22
2338	2,527070E+22	2,535829E+22	2,503696E+22	2,503747E+22	2,535919E+22	2,527131E+22	2,422487E+22	2,250022E+22	2,113241E+22	2,113229E+22	2,249994E+22	2,422462E+22
2339	2,527129E+22	2,535948E+22	2,503830E+22	2,503845E+22	2,535990E+22	2,527174E+22	2,422483E+22	2,249994E+22	2,113219E+22	2,113227E+22	2,250012E+22	2,422480E+22
2340	2,527110E+22	2,535884E+22	2,503729E+22	2,503694E+22	2,535826E+22	2,527079E+22	2,422462E+22	2,250008E+22	2,113237E+22	2,113235E+22	2,250006E+22	2,422464E+22
2341	2,527100E+22	2,535877E+22	2,503746E+22	2,503749E+22	2,535878E+22	2,527121E+22	2,422510E+22	2,250032E+22	2,113237E+22	2,113219E+22	2,249982E+22	2,422459E+22
2342	2,527146E+22	2,535973E+22	2,503858E+22	2,503862E+22	2,535945E+22	2,527088E+22	2,422429E+22	2,249992E+22	2,113246E+22	2,113255E+22	2,250014E+22	2,422453E+22
2343	2,527090E+22	2,535882E+22	2,503725E+22	2,503708E+22	2,535857E+22	2,527070E+22	2,422422E+22	2,249986E+22	2,113250E+22	2,113267E+22	2,250030E+22	2,422472E+22
2344	2,527107E+22	2,535919E+22	2,503824E+22	2,503837E+22	2,535971E+22	2,527180E+22	2,422505E+22	2,250015E+22	2,113250E+22	2,113259E+22	2,250027E+22	2,422490E+22
2345	2,527143E+22	2,535943E+22	2,503835E+22	2,503840E+22	2,535928E+22	2,527107E+22	2,422479E+22	2,250042E+22	2,113287E+22	2,113284E+22	2,250034E+22	2,422473E+22
2346	2,527102E+22	2,535874E+22	2,503727E+22	2,503742E+22	2,535889E+22	2,527106E+22	2,422499E+22	2,250084E+22	2,113333E+22	2,113309E+22	2,250029E+22	2,422459E+22
2347	2,527126E+22	2,535981E+22	2,503898E+22	2,503898E+22	2,536005E+22	2,527179E+22	2,422516E+22	2,250082E+22	2,113352E+22	2,113354E+22	2,250081E+22	2,422489E+22
2348	2,527109E+22	2,535926E+22	2,503830E+22	2,503809E+22	2,535887E+22	2,527085E+22	2,422480E+22	2,250093E+22	2,113390E+22	2,113398E+22	2,250111E+22	2,422492E+22
2349	2,527086E+22	2,535876E+22	2,503781E+22	2,503807E+22	2,535930E+22	2,527145E+22	2,422538E+22	2,250122E+22	2,113393E+22	2,113385E+22	2,250099E+22	2,422508E+22
2350	2,527150E+22	2,535981E+22	2,503904E+22	2,503927E+22	2,536020E+22	2,527161E+22	2,422501E+22	2,250094E+22	2,113388E+22	2,113401E+22	2,250124E+22	2,422523E+22
2351	2,527133E+22	2,535923E+22	2,503781E+22	2,503751E+22	2,535867E+22	2,527086E+22	2,422479E+22	2,250090E+22	2,113383E+22	2,113388E+22	2,250112E+22	2,422519E+22
2352	2,527138E+22	2,535944E+22	2,503850E+22	2,503849E+22	2,535952E+22	2,527161E+22	2,422539E+22	2,250113E+22	2,113376E+22	2,113359E+22	2,250074E+22	2,422501E+22
2353	2,527163E+22	2,535998E+22	2,503905E+22	2,503897E+22	2,535955E+22	2,527100E+22	2,422478E+22	2,250085E+22	2,113367E+22	2,113364E+22	2,250078E+22	2,422473E+22
2354	2,527092E+22	2,535893E+22	2,503770E+22	2,503766E+22	2,535891E+22	2,527082E+22	2,422459E+22	2,250066E+22	2,113348E+22	2,113342E+22	2,250058E+22	2,422462E+22
2355	2,527095E+22	2,535940E+22	2,503881E+22	2,503901E+22	2,536019E+22	2,527196E+22	2,422508E+22	2,250043E+22	2,113303E+22	2,113316E+22	2,250068E+22	2,422499E+22
2356	2,527114E+22	2,535905E+22	2,503804E+22	2,503809E+22	2,535908E+22	2,527102E+22	2,422477E+22	2,250046E+22	2,113301E+22	2,113307E+22	2,250056E+22	2,422483E+22
2357	2,527096E+22	2,535855E+22	2,503709E+22	2,503724E+22	2,535881E+22	2,527121E+22	2,422518E+22	2,250075E+22	2,113298E+22	2,113269E+22	2,250008E+22	2,422462E+22
2358	2,527133E+22	2,535964E+22	2,503858E+22	2,503858E+22	2,535978E+22	2,527150E+22	2,422486E+22	2,250043E+22	2,113293E+22	2,113288E+22	2,250030E+22	2,422465E+22
2359	2,527107E+22	2,535914E+22	2,503773E+22	2,503720E+22	2,535818E+22	2,527042E+22	2,422433E+22	2,250020E+22	2,113289E+22	2,113297E+22	2,250042E+22	2,422467E+22
2360	2,527088E+22	2,535886E+22	2,503790E+22	2,503803E+22	2,535910E+22	2,527110E+22	2,422482E+22	2,250043E+22	2,113294E+22	2,113285E+22	2,250025E+22	2,422467E+22
2361	2,527127E+22	2,535954E+22	2,503863E+22	2,503884E+22	2,535978E+22	2,527115E+22	2,422451E+22	2,250022E+22	2,113293E+22	2,113309E+22	2,250058E+22	2,422477E+22
2362	2,527092E+22	2,535873E+22	2,503733E+22	2,503728E+22	2,535875E+22	2,527084E+22	2,422450E+22	2,250031E+22	2,113302E+22	2,113306E+22	2,250048E+22	2,422475E+22
2363	2,527106E+22	2,535926E+22	2,503845E+22	2,503859E+22	2,535988E+22	2,527193E+22	2,422533E+22	2,250072E+22	2,113316E+22	2,113312E+22	2,250058E+22	2,422502E+22
2364	2,527144E+22	2,535952E+22	2,503848E+22	2,503840E+22	2,535920E+22	2,527104E+22	2,422496E+22	2,250099E+22	2,113376E+22	2,113371E+22	2,250084E+22	2,422482E+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	2,527101E+22	2,535893E+22	2,503767E+22	2,503759E+22	2,535874E+22	2,527096E+22	2,422519E+22	2,250137E+22	2,113414E+22	2,113390E+22	2,250079E+22	2,422467E+22
2366	2,527107E+22	2,535966E+22	2,503916E+22	2,503934E+22	2,536027E+22	2,527174E+22	2,422514E+22	2,250119E+22	2,113428E+22	2,113436E+22	2,250135E+22	2,422508E+22
2367	2,527115E+22	2,535934E+22	2,503840E+22	2,503819E+22	2,535894E+22	2,527082E+22	2,422472E+22	2,250103E+22	2,113431E+22	2,113457E+22	2,250164E+22	2,422531E+22
2368	2,527113E+22	2,535896E+22	2,503804E+22	2,503824E+22	2,535935E+22	2,527138E+22	2,422534E+22	2,250148E+22	2,113442E+22	2,113431E+22	2,250127E+22	2,422522E+22
2369	2,527162E+22	2,535997E+22	2,503915E+22	2,503924E+22	2,536011E+22	2,527156E+22	2,422517E+22	2,250136E+22	2,113442E+22	2,113443E+22	2,250140E+22	2,422523E+22
2370	2,527137E+22	2,535941E+22	2,503822E+22	2,503782E+22	2,535866E+22	2,527067E+22	2,422475E+22	2,250119E+22	2,113433E+22	2,113425E+22	2,250112E+22	2,422492E+22
2371	2,527114E+22	2,535948E+22	2,503892E+22	2,503902E+22	2,535981E+22	2,527160E+22	2,422535E+22	2,250134E+22	2,113417E+22	2,113405E+22	2,250105E+22	2,422501E+22
2372	2,527137E+22	2,535975E+22	2,503905E+22	2,503915E+22	2,535980E+22	2,527117E+22	2,422484E+22	2,250109E+22	2,113418E+22	2,113424E+22	2,250122E+22	2,422488E+22
2373	2,527084E+22	2,535882E+22	2,503773E+22	2,503765E+22	2,535891E+22	2,527108E+22	2,422499E+22	2,250105E+22	2,113392E+22	2,113384E+22	2,250087E+22	2,422474E+22
2374	2,527089E+22	2,535918E+22	2,503869E+22	2,503899E+22	2,536020E+22	2,527207E+22	2,422541E+22	2,250099E+22	2,113367E+22	2,113366E+22	2,250088E+22	2,422501E+22
2375	2,527130E+22	2,535929E+22	2,503812E+22	2,503793E+22	2,535879E+22	2,527080E+22	2,422476E+22	2,250080E+22	2,113362E+22	2,113363E+22	2,250085E+22	2,422492E+22
2376	2,527110E+22	2,535885E+22	2,503748E+22	2,503742E+22	2,535865E+22	2,527085E+22	2,422495E+22	2,250105E+22	2,113371E+22	2,113339E+22	2,250042E+22	2,422460E+22
2377	2,527121E+22	2,535968E+22	2,503884E+22	2,503881E+22	2,535979E+22	2,527131E+22	2,422477E+22	2,250071E+22	2,113355E+22	2,113357E+22	2,250078E+22	2,422481E+22
2378	2,527100E+22	2,535907E+22	2,503802E+22	2,503769E+22	2,535846E+22	2,527035E+22	2,422414E+22	2,250026E+22	2,113328E+22	2,113344E+22	2,250075E+22	2,422480E+22
2379	2,527084E+22	2,535878E+22	2,503807E+22	2,503842E+22	2,535953E+22	2,527141E+22	2,422497E+22	2,250059E+22	2,113320E+22	2,113325E+22	2,250068E+22	2,422500E+22
2380	2,527140E+22	2,535955E+22	2,503861E+22	2,503881E+22	2,535985E+22	2,527138E+22	2,422485E+22	2,250070E+22	2,113349E+22	2,113359E+22	2,250089E+22	2,422495E+22
2381	2,527112E+22	2,535903E+22	2,503763E+22	2,503725E+22	2,535852E+22	2,527089E+22	2,422490E+22	2,250097E+22	2,113378E+22	2,113362E+22	2,250064E+22	2,422463E+22
2382	2,527094E+22	2,535930E+22	2,503874E+22	2,503887E+22	2,535992E+22	2,527188E+22	2,422551E+22	2,250136E+22	2,113413E+22	2,113395E+22	2,250085E+22	2,422482E+22
2383	2,527130E+22	2,535967E+22	2,503881E+22	2,503866E+22	2,535919E+22	2,527080E+22	2,422478E+22	2,250125E+22	2,113448E+22	2,113455E+22	2,250139E+22	2,422494E+22
2384	2,527089E+22	2,535890E+22	2,503793E+22	2,503796E+22	2,535894E+22	2,527084E+22	2,422499E+22	2,250160E+22	2,113483E+22	2,113467E+22	2,250136E+22	2,422491E+22
2385	2,527101E+22	2,535949E+22	2,503909E+22	2,503938E+22	2,536038E+22	2,527190E+22	2,422536E+22	2,250155E+22	2,113479E+22	2,113493E+22	2,250183E+22	2,422543E+22
2386	2,527133E+22	2,535935E+22	2,503852E+22	2,503835E+22	2,535893E+22	2,527075E+22	2,422481E+22	2,250136E+22	2,113475E+22	2,113491E+22	2,250179E+22	2,422538E+22
2387	2,527128E+22	2,535920E+22	2,503835E+22	2,503849E+22	2,535945E+22	2,527140E+22	2,422544E+22	2,250180E+22	2,113487E+22	2,113474E+22	2,250153E+22	2,422529E+22
2388	2,527166E+22	2,536016E+22	2,503942E+22	2,503935E+22	2,536004E+22	2,527152E+22	2,422527E+22	2,250175E+22	2,113507E+22	2,113506E+22	2,250172E+22	2,422520E+22
2389	2,527128E+22	2,535956E+22	2,503863E+22	2,503811E+22	2,535865E+22	2,527067E+22	2,422490E+22	2,250157E+22	2,113493E+22	2,113483E+22	2,250140E+22	2,422482E+22
2390	2,527083E+22	2,535921E+22	2,503898E+22	2,503938E+22	2,536016E+22	2,527177E+22	2,422545E+22	2,250167E+22	2,113479E+22	2,113466E+22	2,250134E+22	2,422500E+22
2391	2,527132E+22	2,535970E+22	2,503898E+22	2,503913E+22	2,535983E+22	2,527124E+22	2,422491E+22	2,250127E+22	2,113458E+22	2,113474E+22	2,250162E+22	2,422513E+22
2392	2,527098E+22	2,535891E+22	2,503779E+22	2,503767E+22	2,535878E+22	2,527094E+22	2,422504E+22	2,250146E+22	2,113451E+22	2,113430E+22	2,250111E+22	2,422484E+22
2393	2,527097E+22	2,535927E+22	2,503870E+22	2,503885E+22	2,535993E+22	2,527190E+22	2,422550E+22	2,250144E+22	2,113430E+22	2,113420E+22	2,250115E+22	2,422506E+22
2394	2,527132E+22	2,535941E+22	2,503848E+22	2,503824E+22	2,535866E+22	2,527045E+22	2,422454E+22	2,250097E+22	2,113412E+22	2,113413E+22	2,250106E+22	2,422483E+22
2395	2,527097E+22	2,535894E+22	2,503789E+22	2,503797E+22	2,535896E+22	2,527080E+22	2,422473E+22	2,250104E+22	2,113402E+22	2,113393E+22	2,250091E+22	2,422476E+22
2396	2,527110E+22	2,535959E+22	2,503892E+22	2,503903E+22	2,536003E+22	2,527150E+22	2,422481E+22	2,250087E+22	2,113399E+22	2,113415E+22	2,250125E+22	2,422506E+22
2397	2,527108E+22	2,535913E+22	2,503819E+22	2,503785E+22	2,535860E+22	2,527071E+22	2,422456E+22	2,250067E+22	2,113372E+22	2,113383E+22	2,250097E+22	2,422487E+22
2398	2,527085E+22	2,535873E+22	2,503811E+22	2,503859E+22	2,535970E+22	2,527163E+22	2,422536E+22	2,250123E+22	2,113393E+22	2,113375E+22	2,250075E+22	2,422487E+22
2399	2,527148E+22	2,535980E+22	2,503877E+22	2,503880E+22	2,535971E+22	2,527132E+22	2,422500E+22	2,250120E+22	2,113426E+22	2,113428E+22	2,250121E+22	2,422495E+22
2400	2,527111E+22	2,535923E+22	2,503803E+22	2,503756E+22	2,535843E+22	2,527062E+22	2,422486E+22	2,250150E+22	2,113469E+22	2,113446E+22	2,250108E+22	2,422461E+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	2,527072E+22	2,535918E+22	2,503882E+22	2,503903E+22	2,535990E+22	2,527173E+22	2,422551E+22	2,250179E+22	2,113494E+22	2,113484E+22	2,250149E+22	2,422504E+22
2402	2,527118E+22	2,535950E+22	2,503895E+22	2,503902E+22	2,535934E+22	2,527072E+22	2,422464E+22	2,250138E+22	2,113501E+22	2,113521E+22	2,250189E+22	2,422521E+22
2403	2,527099E+22	2,535894E+22	2,503806E+22	2,503822E+22	2,535918E+22	2,527100E+22	2,422504E+22	2,250170E+22	2,113511E+22	2,113516E+22	2,250188E+22	2,422530E+22
2404	2,527128E+22	2,535967E+22	2,503915E+22	2,503931E+22	2,536025E+22	2,527192E+22	2,422557E+22	2,250198E+22	2,113535E+22	2,113541E+22	2,250211E+22	2,422560E+22
2405	2,527160E+22	2,535979E+22	2,503896E+22	2,503849E+22	2,535879E+22	2,527072E+22	2,422502E+22	2,250184E+22	2,113536E+22	2,113533E+22	2,250182E+22	2,422517E+22
2406	2,527113E+22	2,535932E+22	2,503876E+22	2,503895E+22	2,535963E+22	2,527136E+22	2,422552E+22	2,250225E+22	2,113560E+22	2,113534E+22	2,250161E+22	2,422496E+22
2407	2,527142E+22	2,536025E+22	2,503972E+22	2,503969E+22	2,536019E+22	2,527149E+22	2,422519E+22	2,250193E+22	2,113561E+22	2,113571E+22	2,250214E+22	2,422521E+22
2408	2,527105E+22	2,535943E+22	2,503879E+22	2,503847E+22	2,535890E+22	2,527072E+22	2,422492E+22	2,250186E+22	2,113551E+22	2,113543E+22	2,250182E+22	2,422494E+22
2409	2,527066E+22	2,535890E+22	2,503870E+22	2,503928E+22	2,536020E+22	2,527197E+22	2,422579E+22	2,250212E+22	2,113534E+22	2,113521E+22	2,250175E+22	2,422522E+22
2410	2,527136E+22	2,535959E+22	2,503893E+22	2,503916E+22	2,535971E+22	2,527111E+22	2,422498E+22	2,250161E+22	2,113508E+22	2,113515E+22	2,250182E+22	2,422521E+22
2411	2,527111E+22	2,535910E+22	2,503796E+22	2,503777E+22	2,535874E+22	2,527083E+22	2,422501E+22	2,250166E+22	2,113494E+22	2,113483E+22	2,250153E+22	2,422500E+22
2412	2,527105E+22	2,535947E+22	2,503892E+22	2,503890E+22	2,535971E+22	2,527167E+22	2,422548E+22	2,250173E+22	2,113489E+22	2,113485E+22	2,250159E+22	2,422522E+22
2413	2,527138E+22	2,535963E+22	2,503887E+22	2,503854E+22	2,535869E+22	2,527037E+22	2,422450E+22	2,250116E+22	2,113456E+22	2,113464E+22	2,250139E+22	2,422489E+22
2414	2,527085E+22	2,535885E+22	2,503805E+22	2,503839E+22	2,535937E+22	2,527104E+22	2,422483E+22	2,250124E+22	2,113447E+22	2,113442E+22	2,250114E+22	2,422481E+22
2415	2,527120E+22	2,535972E+22	2,503898E+22	2,503910E+22	2,536011E+22	2,527167E+22	2,422498E+22	2,250106E+22	2,113432E+22	2,113454E+22	2,250153E+22	2,422520E+22
2416	2,527122E+22	2,535932E+22	2,503838E+22	2,503799E+22	2,535854E+22	2,527062E+22	2,422475E+22	2,250124E+22	2,113441E+22	2,113429E+22	2,250110E+22	2,422478E+22
2417	2,527078E+22	2,535880E+22	2,503817E+22	2,503858E+22	2,535955E+22	2,527157E+22	2,422561E+22	2,250187E+22	2,113479E+22	2,113445E+22	2,250102E+22	2,422475E+22
2418	2,527125E+22	2,535977E+22	2,503910E+22	2,503919E+22	2,535965E+22	2,527102E+22	2,422488E+22	2,250153E+22	2,113498E+22	2,113501E+22	2,250157E+22	2,422487E+22
2419	2,527088E+22	2,535918E+22	2,503831E+22	2,503805E+22	2,535872E+22	2,527058E+22	2,422474E+22	2,250163E+22	2,113521E+22	2,113525E+22	2,250179E+22	2,422487E+22
2420	2,527063E+22	2,535907E+22	2,503883E+22	2,503912E+22	2,535995E+22	2,527181E+22	2,422562E+22	2,250207E+22	2,113552E+22	2,113558E+22	2,250213E+22	2,422544E+22
2421	2,527138E+22	2,535963E+22	2,503909E+22	2,503907E+22	2,535936E+22	2,527090E+22	2,422493E+22	2,250177E+22	2,113551E+22	2,113570E+22	2,250221E+22	2,422537E+22
2422	2,527112E+22	2,535909E+22	2,503824E+22	2,503843E+22	2,535933E+22	2,527112E+22	2,422529E+22	2,250221E+22	2,113580E+22	2,113567E+22	2,250197E+22	2,422523E+22
2423	2,527147E+22	2,536007E+22	2,503947E+22	2,503942E+22	2,536013E+22	2,527180E+22	2,422561E+22	2,250233E+22	2,113600E+22	2,113604E+22	2,250240E+22	2,422557E+22
2424	2,527156E+22	2,536004E+22	2,503946E+22	2,503898E+22	2,535885E+22	2,527049E+22	2,422501E+22	2,250231E+22	2,113613E+22	2,113600E+22	2,250214E+22	2,422506E+22
2425	2,527083E+22	2,535916E+22	2,503885E+22	2,503925E+22	2,535983E+22	2,527139E+22	2,422561E+22	2,250265E+22	2,113629E+22	2,113608E+22	2,250211E+22	2,422504E+22
2426	2,527112E+22	2,535992E+22	2,503976E+22	2,504001E+22	2,536041E+22	2,527155E+22	2,422520E+22	2,250207E+22	2,113601E+22	2,113624E+22	2,250255E+22	2,422540E+22
2427	2,527105E+22	2,535934E+22	2,503874E+22	2,503857E+22	2,535907E+22	2,527091E+22	2,422511E+22	2,250202E+22	2,113576E+22	2,113588E+22	2,250233E+22	2,422527E+22
2428	2,527085E+22	2,535901E+22	2,503859E+22	2,503897E+22	2,535986E+22	2,527186E+22	2,422601E+22	2,250259E+22	2,113591E+22	2,113571E+22	2,250207E+22	2,422543E+22
2429	2,527160E+22	2,535997E+22	2,503922E+22	2,503913E+22	2,535946E+22	2,527095E+22	2,422505E+22	2,250198E+22	2,113564E+22	2,113562E+22	2,250196E+22	2,422511E+22
2430	2,527105E+22	2,535928E+22	2,503835E+22	2,503817E+22	2,535887E+22	2,527068E+22	2,422490E+22	2,250187E+22	2,113547E+22	2,113535E+22	2,250165E+22	2,422484E+22
2431	2,527098E+22	2,535962E+22	2,503919E+22	2,503920E+22	2,535982E+22	2,527153E+22	2,422528E+22	2,250175E+22	2,113525E+22	2,113537E+22	2,250199E+22	2,422533E+22
2432	2,527130E+22	2,535965E+22	2,503912E+22	2,503897E+22	2,535898E+22	2,527043E+22	2,422458E+22	2,250142E+22	2,113496E+22	2,113502E+22	2,250164E+22	2,422494E+22
2433	2,527073E+22	2,535870E+22	2,503793E+22	2,503842E+22	2,535947E+22	2,527125E+22	2,422523E+22	2,250175E+22	2,113501E+22	2,113487E+22	2,250139E+22	2,422482E+22
2434	2,527107E+22	2,535965E+22	2,503909E+22	2,503925E+22	2,536008E+22	2,527163E+22	2,422518E+22	2,250152E+22	2,113493E+22	2,113501E+22	2,250167E+22	2,422511E+22
2435	2,527117E+22	2,535948E+22	2,503863E+22	2,503820E+22	2,535861E+22	2,527060E+22	2,422486E+22	2,250158E+22	2,113504E+22	2,113504E+22	2,250161E+22	2,422483E+22
2436	2,527066E+22	2,535885E+22	2,503831E+22	2,503860E+22	2,535937E+22	2,527136E+22	2,422569E+22	2,250237E+22	2,113564E+22	2,113536E+22	2,250165E+22	2,422495E+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	2,527120E+22	2,535981E+22	2,503931E+22	2,503942E+22	2,535976E+22	2,527098E+22	2,422486E+22	2,250183E+22	2,113565E+22	2,113577E+22	2,250212E+22	2,422508E+22
2438	2,527082E+22	2,535909E+22	2,503840E+22	2,503837E+22	2,535905E+22	2,527075E+22	2,422483E+22	2,250187E+22	2,113575E+22	2,113587E+22	2,250218E+22	2,422514E+22
2439	2,527092E+22	2,535931E+22	2,503894E+22	2,503913E+22	2,535988E+22	2,527178E+22	2,422573E+22	2,250233E+22	2,113595E+22	2,113608E+22	2,250255E+22	2,422575E+22
2440	2,527168E+22	2,536003E+22	2,503947E+22	2,503931E+22	2,535929E+22	2,527070E+22	2,422506E+22	2,250232E+22	2,113617E+22	2,113615E+22	2,250236E+22	2,422533E+22
2441	2,527112E+22	2,535931E+22	2,503854E+22	2,503863E+22	2,535932E+22	2,527106E+22	2,422547E+22	2,250274E+22	2,113657E+22	2,113634E+22	2,250221E+22	2,422505E+22
2442	2,527116E+22	2,536007E+22	2,503994E+22	2,503996E+22	2,536028E+22	2,527162E+22	2,422553E+22	2,250258E+22	2,113659E+22	2,113665E+22	2,250268E+22	2,422543E+22
2443	2,527127E+22	2,535994E+22	2,503968E+22	2,503946E+22	2,535932E+22	2,527066E+22	2,422503E+22	2,250243E+22	2,113656E+22	2,113669E+22	2,250274E+22	2,422523E+22
2444	2,527066E+22	2,535894E+22	2,503870E+22	2,503920E+22	2,535992E+22	2,527160E+22	2,422592E+22	2,250306E+22	2,113686E+22	2,113670E+22	2,250264E+22	2,422538E+22
2445	2,527122E+22	2,535990E+22	2,503968E+22	2,503988E+22	2,536037E+22	2,527167E+22	2,422550E+22	2,250253E+22	2,113651E+22	2,113665E+22	2,250279E+22	2,422554E+22
2446	2,527114E+22	2,535942E+22	2,503879E+22	2,503859E+22	2,535906E+22	2,527091E+22	2,422530E+22	2,250250E+22	2,113639E+22	2,113635E+22	2,250243E+22	2,422529E+22
2447	2,527107E+22	2,535938E+22	2,503886E+22	2,503892E+22	2,535953E+22	2,527150E+22	2,422590E+22	2,250281E+22	2,113643E+22	2,113628E+22	2,250241E+22	2,422550E+22
2448	2,527162E+22	2,536024E+22	2,503969E+22	2,503948E+22	2,535937E+22	2,527052E+22	2,422487E+22	2,250228E+22	2,113619E+22	2,113615E+22	2,250226E+22	2,422508E+22
2449	2,527084E+22	2,535921E+22	2,503850E+22	2,503846E+22	2,535910E+22	2,527069E+22	2,422486E+22	2,250206E+22	2,113594E+22	2,113590E+22	2,250203E+22	2,422491E+22
2450	2,527076E+22	2,535944E+22	2,503935E+22	2,503955E+22	2,536008E+22	2,527160E+22	2,422526E+22	2,250178E+22	2,113547E+22	2,113569E+22	2,250222E+22	2,422543E+22
2451	2,527132E+22	2,535966E+22	2,503919E+22	2,503916E+22	2,535926E+22	2,527065E+22	2,422482E+22	2,250163E+22	2,113524E+22	2,113540E+22	2,250196E+22	2,422506E+22
2452	2,527077E+22	2,535879E+22	2,503795E+22	2,503826E+22	2,535927E+22	2,527121E+22	2,422555E+22	2,250237E+22	2,113573E+22	2,113543E+22	2,250165E+22	2,422485E+22
2453	2,527105E+22	2,535980E+22	2,503933E+22	2,503932E+22	2,536000E+22	2,527154E+22	2,422530E+22	2,250202E+22	2,113568E+22	2,113567E+22	2,250192E+22	2,422496E+22
2454	2,527091E+22	2,535946E+22	2,503890E+22	2,503858E+22	2,535884E+22	2,527056E+22	2,422488E+22	2,250196E+22	2,113580E+22	2,113581E+22	2,250198E+22	2,422485E+22
2455	2,527060E+22	2,535888E+22	2,503847E+22	2,503876E+22	2,535941E+22	2,527123E+22	2,422557E+22	2,250253E+22	2,113621E+22	2,113615E+22	2,250233E+22	2,422532E+22
2456	2,527127E+22	2,535985E+22	2,503950E+22	2,503967E+22	2,535987E+22	2,527094E+22	2,422498E+22	2,250224E+22	2,113621E+22	2,113634E+22	2,250257E+22	2,422536E+22
2457	2,527093E+22	2,535913E+22	2,503843E+22	2,503842E+22	2,535912E+22	2,527085E+22	2,422513E+22	2,250238E+22	2,113638E+22	2,113642E+22	2,250252E+22	2,422529E+22
2458	2,527096E+22	2,535947E+22	2,503927E+22	2,503938E+22	2,535988E+22	2,527164E+22	2,422578E+22	2,250270E+22	2,113653E+22	2,113657E+22	2,250274E+22	2,422573E+22
2459	2,527172E+22	2,536032E+22	2,503993E+22	2,503971E+22	2,535950E+22	2,527072E+22	2,422515E+22	2,250260E+22	2,113674E+22	2,113685E+22	2,250280E+22	2,422531E+22
2460	2,527096E+22	2,535938E+22	2,503882E+22	2,503882E+22	2,535929E+22	2,527096E+22	2,422561E+22	2,250325E+22	2,113735E+22	2,113713E+22	2,250274E+22	2,422517E+22
2461	2,527098E+22	2,535998E+22	2,504008E+22	2,504024E+22	2,536058E+22	2,527178E+22	2,422563E+22	2,250292E+22	2,113720E+22	2,113730E+22	2,250310E+22	2,422554E+22
2462	2,527114E+22	2,535977E+22	2,503967E+22	2,503965E+22	2,535966E+22	2,527095E+22	2,422526E+22	2,250276E+22	2,113707E+22	2,113719E+22	2,250302E+22	2,422544E+22
2463	2,527088E+22	2,535905E+22	2,503864E+22	2,503895E+22	2,535965E+22	2,527147E+22	2,422604E+22	2,250341E+22	2,113734E+22	2,113718E+22	2,250300E+22	2,422565E+22
2464	2,527147E+22	2,536019E+22	2,503993E+22	2,503990E+22	2,536010E+22	2,527132E+22	2,422556E+22	2,250305E+22	2,113713E+22	2,113707E+22	2,250292E+22	2,422550E+22
2465	2,527112E+22	2,535958E+22	2,503906E+22	2,503871E+22	2,535893E+22	2,527064E+22	2,422524E+22	2,250283E+22	2,113700E+22	2,113692E+22	2,250268E+22	2,422516E+22
2466	2,527078E+22	2,535939E+22	2,503934E+22	2,503942E+22	2,535961E+22	2,527118E+22	2,422558E+22	2,250281E+22	2,113678E+22	2,113674E+22	2,250269E+22	2,422547E+22
2467	2,527144E+22	2,536019E+22	2,503996E+22	2,503996E+22	2,535986E+22	2,527069E+22	2,422478E+22	2,250218E+22	2,113639E+22	2,113663E+22	2,250271E+22	2,422522E+22
2468	2,527072E+22	2,535906E+22	2,503847E+22	2,503846E+22	2,535923E+22	2,527092E+22	2,422518E+22	2,250243E+22	2,113637E+22	2,113633E+22	2,250237E+22	2,422512E+22
2469	2,527080E+22	2,535940E+22	2,503930E+22	2,503953E+22	2,536023E+22	2,527183E+22	2,422560E+22	2,250229E+22	2,113599E+22	2,113602E+22	2,250230E+22	2,422538E+22
2470	2,527128E+22	2,535970E+22	2,503928E+22	2,503924E+22	2,535940E+22	2,527080E+22	2,422512E+22	2,250221E+22	2,113597E+22	2,113592E+22	2,250206E+22	2,422501E+22
2471	2,527084E+22	2,535898E+22	2,503816E+22	2,503820E+22	2,535899E+22	2,527094E+22	2,422558E+22	2,250281E+22	2,113648E+22	2,113622E+22	2,250216E+22	2,422500E+22
2472	2,527100E+22	2,535988E+22	2,503967E+22	2,503961E+22	2,535993E+22	2,527118E+22	2,422525E+22	2,250251E+22	2,113643E+22	2,113642E+22	2,250245E+22	2,422512E+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	2,527077E+22	2,535931E+22	2,503897E+22	2,503879E+22	2,535903E+22	2,527057E+22	2,422487E+22	2,250225E+22	2,113644E+22	2,113659E+22	2,250261E+22	2,422515E+22
2474	2,527055E+22	2,535884E+22	2,503869E+22	2,503901E+22	2,535951E+22	2,527116E+22	2,422551E+22	2,250262E+22	2,113655E+22	2,113662E+22	2,250275E+22	2,422564E+22
2475	2,527154E+22	2,536010E+22	2,503973E+22	2,503982E+22	2,536002E+22	2,527103E+22	2,422513E+22	2,250246E+22	2,113661E+22	2,113683E+22	2,250293E+22	2,422554E+22
2476	2,527112E+22	2,535945E+22	2,503875E+22	2,503845E+22	2,535898E+22	2,527077E+22	2,422536E+22	2,250298E+22	2,113713E+22	2,113700E+22	2,250275E+22	2,422529E+22
2477	2,527099E+22	2,535973E+22	2,503970E+22	2,503972E+22	2,536002E+22	2,527157E+22	2,422582E+22	2,250313E+22	2,113724E+22	2,113716E+22	2,250288E+22	2,422547E+22
2478	2,527140E+22	2,536029E+22	2,504029E+22	2,504023E+22	2,535994E+22	2,527086E+22	2,422525E+22	2,250301E+22	2,113744E+22	2,113749E+22	2,250307E+22	2,422527E+22
2479	2,527080E+22	2,535928E+22	2,503895E+22	2,503899E+22	2,535943E+22	2,527103E+22	2,422568E+22	2,250352E+22	2,113792E+22	2,113784E+22	2,250331E+22	2,422543E+22
2480	2,527092E+22	2,535983E+22	2,504011E+22	2,504033E+22	2,536058E+22	2,527177E+22	2,422589E+22	2,250345E+22	2,113779E+22	2,113783E+22	2,250346E+22	2,422571E+22
2481	2,527114E+22	2,535967E+22	2,503956E+22	2,503954E+22	2,535960E+22	2,527099E+22	2,422553E+22	2,250331E+22	2,113777E+22	2,113779E+22	2,250336E+22	2,422554E+22
2482	2,527086E+22	2,535918E+22	2,503891E+22	2,503902E+22	2,535944E+22	2,527114E+22	2,422590E+22	2,250364E+22	2,113786E+22	2,113768E+22	2,250324E+22	2,422569E+22
2483	2,527156E+22	2,536045E+22	2,504031E+22	2,504016E+22	2,536013E+22	2,527115E+22	2,422541E+22	2,250313E+22	2,113758E+22	2,113771E+22	2,250336E+22	2,422556E+22
2484	2,527104E+22	2,535964E+22	2,503935E+22	2,503894E+22	2,535894E+22	2,527047E+22	2,422518E+22	2,250308E+22	2,113752E+22	2,113750E+22	2,250311E+22	2,422533E+22
2485	2,527072E+22	2,535931E+22	2,503945E+22	2,503973E+22	2,536001E+22	2,527135E+22	2,422553E+22	2,250289E+22	2,113708E+22	2,113711E+22	2,250293E+22	2,422554E+22
2486	2,527137E+22	2,536008E+22	2,503999E+22	2,504017E+22	2,536027E+22	2,527112E+22	2,422510E+22	2,250247E+22	2,113670E+22	2,113686E+22	2,250280E+22	2,422535E+22
2487	2,527092E+22	2,535919E+22	2,503850E+22	2,503830E+22	2,535904E+22	2,527092E+22	2,422543E+22	2,250288E+22	2,113688E+22	2,113675E+22	2,250261E+22	2,422524E+22
2488	2,527091E+22	2,535957E+22	2,503953E+22	2,503958E+22	2,536000E+22	2,527159E+22	2,422580E+22	2,250296E+22	2,113675E+22	2,113655E+22	2,250242E+22	2,422522E+22
2489	2,527110E+22	2,535971E+22	2,503949E+22	2,503938E+22	2,535934E+22	2,527066E+22	2,422516E+22	2,250270E+22	2,113680E+22	2,113671E+22	2,250246E+22	2,422492E+22
2490	2,527050E+22	2,535890E+22	2,503852E+22	2,503856E+22	2,535902E+22	2,527064E+22	2,422531E+22	2,250293E+22	2,113702E+22	2,113690E+22	2,250267E+22	2,422519E+22
2491	2,527097E+22	2,535986E+22	2,503986E+22	2,503993E+22	2,536024E+22	2,527129E+22	2,422519E+22	2,250253E+22	2,113683E+22	2,113711E+22	2,250307E+22	2,422546E+22
2492	2,527086E+22	2,535930E+22	2,503902E+22	2,503879E+22	2,535900E+22	2,527063E+22	2,422511E+22	2,250267E+22	2,113699E+22	2,113713E+22	2,250304E+22	2,422548E+22
2493	2,527079E+22	2,535901E+22	2,503883E+22	2,503913E+22	2,535965E+22	2,527126E+22	2,422566E+22	2,250306E+22	2,113712E+22	2,113705E+22	2,250288E+22	2,422562E+22
2494	2,527162E+22	2,536037E+22	2,504010E+22	2,504011E+22	2,536024E+22	2,527119E+22	2,422534E+22	2,250295E+22	2,113729E+22	2,113733E+22	2,250302E+22	2,422545E+22
2495	2,527116E+22	2,535969E+22	2,503915E+22	2,503864E+22	2,535884E+22	2,527058E+22	2,422541E+22	2,250344E+22	2,113791E+22	2,113778E+22	2,250319E+22	2,422532E+22
2496	2,527083E+22	2,535972E+22	2,504005E+22	2,504015E+22	2,536015E+22	2,527143E+22	2,422590E+22	2,250369E+22	2,113803E+22	2,113789E+22	2,250329E+22	2,422548E+22
2497	2,527113E+22	2,536001E+22	2,504028E+22	2,504046E+22	2,536023E+22	2,527107E+22	2,422540E+22	2,250339E+22	2,113815E+22	2,113827E+22	2,250362E+22	2,422545E+22
2498	2,527063E+22	2,535911E+22	2,503902E+22	2,503907E+22	2,535941E+22	2,527100E+22	2,422574E+22	2,250375E+22	2,113834E+22	2,113834E+22	2,250374E+22	2,422574E+22
2499	2,527116E+22	2,535997E+22	2,504019E+22	2,504033E+22	2,536052E+22	2,527176E+22	2,422599E+22	2,250370E+22	2,113826E+22	2,113837E+22	2,250382E+22	2,422587E+22
2500	2,527130E+22	2,535990E+22	2,503976E+22	2,503948E+22	2,535929E+22	2,527074E+22	2,422559E+22	2,250377E+22	2,113845E+22	2,113839E+22	2,250365E+22	2,422560E+22
2501	2,527092E+22	2,535939E+22	2,503924E+22	2,503934E+22	2,535955E+22	2,527096E+22	2,422568E+22	2,250380E+22	2,113836E+22	2,113818E+22	2,250343E+22	2,422556E+22
2502	2,527139E+22	2,536048E+22	2,504063E+22	2,504063E+22	2,536053E+22	2,527129E+22	2,422537E+22	2,250327E+22	2,113798E+22	2,113809E+22	2,250356E+22	2,422562E+22
2503	2,527101E+22	2,535959E+22	2,503947E+22	2,503912E+22	2,535907E+22	2,527059E+22	2,422526E+22	2,250325E+22	2,113788E+22	2,113794E+22	2,250347E+22	2,422555E+22
2504	2,527076E+22	2,535925E+22	2,503951E+22	2,503986E+22	2,536006E+22	2,527146E+22	2,422589E+22	2,250342E+22	2,113754E+22	2,113740E+22	2,250303E+22	2,422553E+22
2505	2,527132E+22	2,536000E+22	2,503992E+22	2,504014E+22	2,536029E+22	2,527129E+22	2,422545E+22	2,250308E+22	2,113741E+22	2,113739E+22	2,250299E+22	2,422524E+22
2506	2,527076E+22	2,535927E+22	2,503879E+22	2,503838E+22	2,535881E+22	2,527068E+22	2,422541E+22	2,250322E+22	2,113750E+22	2,113735E+22	2,250291E+22	2,422524E+22
2507	2,527088E+22	2,535968E+22	2,503979E+22	2,503976E+22	2,535994E+22	2,527142E+22	2,422571E+22	2,250317E+22	2,113740E+22	2,113738E+22	2,250297E+22	2,422532E+22
2508	2,527098E+22	2,535966E+22	2,503965E+22	2,503954E+22	2,535931E+22	2,527049E+22	2,422510E+22	2,250304E+22	2,113752E+22	2,113753E+22	2,250309E+22	2,422525E+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°
2509	2,527056E+22	2,535885E+22	2,503857E+22	2,503883E+22	2,535933E+22	2,527070E+22	2,422513E+22	2,250297E+22	2,113741E+22	2,113741E+22	2,250306E+22	2,422542E+22
2510	2,527111E+22	2,535993E+22	2,503996E+22	2,504010E+22	2,536046E+22	2,527154E+22	2,422542E+22	2,250283E+22	2,113720E+22	2,113740E+22	2,250326E+22	2,422571E+22
2511	2,527121E+22	2,535961E+22	2,503927E+22	2,503883E+22	2,535883E+22	2,527053E+22	2,422526E+22	2,250311E+22	2,113755E+22	2,113759E+22	2,250326E+22	2,422556E+22
2512	2,527093E+22	2,535933E+22	2,503930E+22	2,503942E+22	2,535953E+22	2,527106E+22	2,422582E+22	2,250365E+22	2,113786E+22	2,113758E+22	2,250296E+22	2,422535E+22
2513	2,527135E+22	2,536038E+22	2,504045E+22	2,504051E+22	2,536042E+22	2,527125E+22	2,422547E+22	2,250345E+22	2,113815E+22	2,113815E+22	2,250339E+22	2,422524E+22
2514	2,527069E+22	2,535955E+22	2,503952E+22	2,503912E+22	2,535905E+22	2,527052E+22	2,422531E+22	2,250364E+22	2,113850E+22	2,113851E+22	2,250371E+22	2,422546E+22
2515	2,527069E+22	2,535952E+22	2,504005E+22	2,504039E+22	2,536046E+22	2,527168E+22	2,422602E+22	2,250389E+22	2,113860E+22	2,113867E+22	2,250388E+22	2,422574E+22
2516	2,527113E+22	2,535987E+22	2,504015E+22	2,504035E+22	2,536014E+22	2,527115E+22	2,422574E+22	2,250398E+22	2,113886E+22	2,113892E+22	2,250410E+22	2,422578E+22
2517	2,527086E+22	2,535921E+22	2,503899E+22	2,503907E+22	2,535942E+22	2,527094E+22	2,422579E+22	2,250415E+22	2,113895E+22	2,113884E+22	2,250395E+22	2,422580E+22
2518	2,527130E+22	2,536025E+22	2,504047E+22	2,504046E+22	2,536049E+22	2,527175E+22	2,422611E+22	2,250409E+22	2,113884E+22	2,113883E+22	2,250402E+22	2,422596E+22
2519	2,527145E+22	2,536018E+22	2,504016E+22	2,503968E+22	2,535909E+22	2,527042E+22	2,422548E+22	2,250402E+22	2,113902E+22	2,113902E+22	2,250409E+22	2,422573E+22
2520	2,527092E+22	2,535949E+22	2,503961E+22	2,503978E+22	2,535967E+22	2,527083E+22	2,422565E+22	2,250406E+22	2,113884E+22	2,113867E+22	2,250370E+22	2,422556E+22
2521	2,527122E+22	2,536034E+22	2,504067E+22	2,504087E+22	2,536086E+22	2,527161E+22	2,422555E+22	2,250350E+22	2,113842E+22	2,113860E+22	2,250387E+22	2,422563E+22
2522	2,527087E+22	2,535956E+22	2,503960E+22	2,503923E+22	2,535906E+22	2,527064E+22	2,422539E+22	2,250348E+22	2,113819E+22	2,113825E+22	2,250368E+22	2,422566E+22
2523	2,527090E+22	2,535939E+22	2,503958E+22	2,503990E+22	2,536003E+22	2,527149E+22	2,422605E+22	2,250377E+22	2,113810E+22	2,113792E+22	2,250321E+22	2,422544E+22
2524	2,527126E+22	2,536009E+22	2,504008E+22	2,504013E+22	2,536001E+22	2,527105E+22	2,422555E+22	2,250360E+22	2,113819E+22	2,113808E+22	2,250329E+22	2,422521E+22
2525	2,527064E+22	2,535925E+22	2,503895E+22	2,503870E+22	2,535893E+22	2,527048E+22	2,422521E+22	2,250341E+22	2,113808E+22	2,113798E+22	2,250325E+22	2,422520E+22
2526	2,527070E+22	2,535964E+22	2,503997E+22	2,504011E+22	2,536022E+22	2,527154E+22	2,422569E+22	2,250330E+22	2,113782E+22	2,113787E+22	2,250337E+22	2,422558E+22
2527	2,527106E+22	2,535963E+22	2,503968E+22	2,503960E+22	2,535928E+22	2,527049E+22	2,422514E+22	2,250321E+22	2,113794E+22	2,113809E+22	2,250360E+22	2,422561E+22
2528	2,527078E+22	2,535897E+22	2,503870E+22	2,503898E+22	2,535932E+22	2,527072E+22	2,422541E+22	2,250344E+22	2,113791E+22	2,113780E+22	2,250322E+22	2,422546E+22
2529	2,527119E+22	2,536007E+22	2,504010E+22	2,504022E+22	2,536051E+22	2,527167E+22	2,422567E+22	2,250336E+22	2,113794E+22	2,113799E+22	2,250345E+22	2,422556E+22
2530	2,527107E+22	2,535983E+22	2,503975E+22	2,503914E+22	2,535875E+22	2,527036E+22	2,422526E+22	2,250346E+22	2,113821E+22	2,113823E+22	2,250356E+22	2,422551E+22
2531	2,527085E+22	2,535945E+22	2,503966E+22	2,503984E+22	2,535969E+22	2,527103E+22	2,422583E+22	2,250396E+22	2,113860E+22	2,113844E+22	2,250344E+22	2,422532E+22
2532	2,527106E+22	2,536021E+22	2,504056E+22	2,504076E+22	2,536054E+22	2,527128E+22	2,422560E+22	2,250390E+22	2,113895E+22	2,113902E+22	2,250402E+22	2,422550E+22
2533	2,527064E+22	2,535935E+22	2,503941E+22	2,503934E+22	2,535938E+22	2,527071E+22	2,422539E+22	2,250387E+22	2,113902E+22	2,113913E+22	2,250417E+22	2,422571E+22
2534	2,527082E+22	2,535958E+22	2,504001E+22	2,504036E+22	2,536050E+22	2,527189E+22	2,422636E+22	2,250434E+22	2,113910E+22	2,113906E+22	2,250419E+22	2,422606E+22
2535	2,527147E+22	2,536016E+22	2,504030E+22	2,504023E+22	2,535978E+22	2,527089E+22	2,422582E+22	2,250445E+22	2,113955E+22	2,113952E+22	2,250444E+22	2,422595E+22
2536	2,527109E+22	2,535961E+22	2,503946E+22	2,503932E+22	2,535920E+22	2,527060E+22	2,422578E+22	2,250456E+22	2,113961E+22	2,113939E+22	2,250411E+22	2,422564E+22
2537	2,527114E+22	2,536037E+22	2,504085E+22	2,504088E+22	2,536063E+22	2,527166E+22	2,422606E+22	2,250437E+22	2,113948E+22	2,113952E+22	2,250436E+22	2,422580E+22
2538	2,527110E+22	2,536018E+22	2,504057E+22	2,504019E+22	2,535934E+22	2,527038E+22	2,422532E+22	2,250403E+22	2,113933E+22	2,113949E+22	2,250445E+22	2,422585E+22
2539	2,527085E+22	2,535943E+22	2,503970E+22	2,504005E+22	2,535997E+22	2,527109E+22	2,422578E+22	2,250418E+22	2,113919E+22	2,113916E+22	2,250401E+22	2,422561E+22
2540	2,527112E+22	2,536022E+22	2,504059E+22	2,504084E+22	2,536085E+22	2,527178E+22	2,422595E+22	2,250405E+22	2,113902E+22	2,113908E+22	2,250413E+22	2,422573E+22
2541	2,527091E+22	2,535957E+22	2,503954E+22	2,503931E+22	2,535917E+22	2,527064E+22	2,422547E+22	2,250383E+22	2,113875E+22	2,113870E+22	2,250380E+22	2,422556E+22
2542	2,527084E+22	2,535950E+22	2,503969E+22	2,503994E+22	2,535997E+22	2,527148E+22	2,422621E+22	2,250418E+22	2,113869E+22	2,113842E+22	2,250350E+22	2,422553E+22
2543	2,527122E+22	2,536013E+22	2,504025E+22	2,504024E+22	2,535981E+22	2,527072E+22	2,422546E+22	2,250390E+22	2,113884E+22	2,113883E+22	2,250387E+22	2,422545E+22
2544	2,527064E+22	2,535927E+22	2,503914E+22	2,503899E+22	2,535897E+22	2,527033E+22	2,422514E+22	2,250358E+22	2,113854E+22	2,113855E+22	2,250367E+22	2,422537E+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	2,527067E+22	2,535957E+22	2,503999E+22	2,504025E+22	2,536038E+22	2,527172E+22	2,422584E+22	2,250353E+22	2,113826E+22	2,113842E+22	2,250378E+22	2,422572E+22
2546	2,527111E+22	2,535983E+22	2,503993E+22	2,503972E+22	2,535921E+22	2,527044E+22	2,422521E+22	2,250340E+22	2,113823E+22	2,113840E+22	2,250382E+22	2,422577E+22
2547	2,527103E+22	2,535933E+22	2,503902E+22	2,503917E+22	2,535932E+22	2,527069E+22	2,422549E+22	2,250377E+22	2,113852E+22	2,113835E+22	2,250335E+22	2,422529E+22
2548	2,527108E+22	2,536024E+22	2,504045E+22	2,504045E+22	2,536045E+22	2,527156E+22	2,422584E+22	2,250391E+22	2,113877E+22	2,113873E+22	2,250375E+22	2,422544E+22
2549	2,527085E+22	2,535978E+22	2,503996E+22	2,503967E+22	2,535913E+22	2,527033E+22	2,422520E+22	2,250375E+22	2,113887E+22	2,113893E+22	2,250392E+22	2,422543E+22
2550	2,527057E+22	2,535933E+22	2,503976E+22	2,504016E+22	2,536007E+22	2,527133E+22	2,422607E+22	2,250434E+22	2,113919E+22	2,113905E+22	2,250395E+22	2,422561E+22
2551	2,527103E+22	2,536006E+22	2,504051E+22	2,504078E+22	2,536051E+22	2,527132E+22	2,422585E+22	2,250437E+22	2,113961E+22	2,113975E+22	2,250462E+22	2,422590E+22
2552	2,527085E+22	2,535946E+22	2,503948E+22	2,503937E+22	2,535924E+22	2,527066E+22	2,422571E+22	2,250445E+22	2,113970E+22	2,113970E+22	2,250448E+22	2,422583E+22
2553	2,527094E+22	2,535979E+22	2,504019E+22	2,504039E+22	2,536039E+22	2,527183E+22	2,422653E+22	2,250487E+22	2,113991E+22	2,113980E+22	2,250452E+22	2,422599E+22
2554	2,527143E+22	2,536052E+22	2,504081E+22	2,504046E+22	2,535959E+22	2,527055E+22	2,422567E+22	2,250466E+22	2,114011E+22	2,114017E+22	2,250485E+22	2,422605E+22
2555	2,527112E+22	2,535986E+22	2,503992E+22	2,503981E+22	2,535940E+22	2,527047E+22	2,422558E+22	2,250468E+22	2,114018E+22	2,114010E+22	2,250453E+22	2,422567E+22
2556	2,527095E+22	2,536028E+22	2,504103E+22	2,504121E+22	2,536086E+22	2,527170E+22	2,422608E+22	2,250459E+22	2,114000E+22	2,114011E+22	2,250481E+22	2,422600E+22
2557	2,527105E+22	2,535997E+22	2,504046E+22	2,504047E+22	2,535978E+22	2,527062E+22	2,422544E+22	2,250416E+22	2,113958E+22	2,113979E+22	2,250465E+22	2,422593E+22
2558	2,527088E+22	2,535948E+22	2,503968E+22	2,504005E+22	2,536009E+22	2,527137E+22	2,422621E+22	2,250463E+22	2,113953E+22	2,113932E+22	2,250411E+22	2,422572E+22
2559	2,527118E+22	2,536032E+22	2,504065E+22	2,504069E+22	2,536051E+22	2,527154E+22	2,422610E+22	2,250455E+22	2,113967E+22	2,113962E+22	2,250437E+22	2,422573E+22
2560	2,527091E+22	2,535974E+22	2,503982E+22	2,503944E+22	2,535896E+22	2,527037E+22	2,422554E+22	2,250424E+22	2,113940E+22	2,113929E+22	2,250402E+22	2,422540E+22
2561	2,527060E+22	2,535946E+22	2,503987E+22	2,504016E+22	2,536004E+22	2,527136E+22	2,422616E+22	2,250445E+22	2,113932E+22	2,113916E+22	2,250396E+22	2,422549E+22
2562	2,527096E+22	2,536010E+22	2,504045E+22	2,504046E+22	2,535988E+22	2,527060E+22	2,422529E+22	2,250390E+22	2,113915E+22	2,113933E+22	2,250436E+22	2,422578E+22
2563	2,527076E+22	2,535933E+22	2,503924E+22	2,503918E+22	2,535915E+22	2,527043E+22	2,422518E+22	2,250371E+22	2,113891E+22	2,113901E+22	2,250398E+22	2,422553E+22
2564	2,527074E+22	2,535964E+22	2,504006E+22	2,504028E+22	2,536033E+22	2,527170E+22	2,422610E+22	2,250402E+22	2,113884E+22	2,113889E+22	2,250403E+22	2,422582E+22
2565	2,527121E+22	2,535997E+22	2,504008E+22	2,503999E+22	2,535942E+22	2,527043E+22	2,422529E+22	2,250374E+22	2,113879E+22	2,113886E+22	2,250393E+22	2,422562E+22
2566	2,527094E+22	2,535956E+22	2,503938E+22	2,503944E+22	2,535943E+22	2,527077E+22	2,422574E+22	2,250426E+22	2,113915E+22	2,113889E+22	2,250367E+22	2,422531E+22
2567	2,527088E+22	2,536021E+22	2,504069E+22	2,504073E+22	2,536046E+22	2,527138E+22	2,422589E+22	2,250438E+22	2,113959E+22	2,113960E+22	2,250435E+22	2,422563E+22
2568	2,527076E+22	2,535972E+22	2,504011E+22	2,503996E+22	2,535933E+22	2,527040E+22	2,422536E+22	2,250412E+22	2,113955E+22	2,113968E+22	2,250443E+22	2,422561E+22
2569	2,527051E+22	2,535921E+22	2,503969E+22	2,504017E+22	2,536019E+22	2,527153E+22	2,422638E+22	2,250480E+22	2,113987E+22	2,113979E+22	2,250448E+22	2,422580E+22
2570	2,527111E+22	2,536027E+22	2,504069E+22	2,504077E+22	2,536032E+22	2,527114E+22	2,422593E+22	2,250473E+22	2,114015E+22	2,114028E+22	2,250502E+22	2,422618E+22
2571	2,527114E+22	2,535986E+22	2,503988E+22	2,503954E+22	2,535912E+22	2,527041E+22	2,422560E+22	2,250477E+22	2,114040E+22	2,114036E+22	2,250474E+22	2,422578E+22
2572	2,527089E+22	2,536000E+22	2,504061E+22	2,504069E+22	2,536032E+22	2,527155E+22	2,422649E+22	2,250524E+22	2,114063E+22	2,114054E+22	2,250493E+22	2,422600E+22
2573	2,527128E+22	2,536050E+22	2,504109E+22	2,504107E+22	2,536008E+22	2,527053E+22	2,422547E+22	2,250469E+22	2,114048E+22	2,114066E+22	2,250513E+22	2,422601E+22
2574	2,527092E+22	2,535980E+22	2,504008E+22	2,504013E+22	2,535983E+22	2,527083E+22	2,422580E+22	2,250488E+22	2,114045E+22	2,114041E+22	2,250486E+22	2,422588E+22
2575	2,527088E+22	2,536011E+22	2,504097E+22	2,504123E+22	2,536091E+22	2,527184E+22	2,422642E+22	2,250505E+22	2,114049E+22	2,114055E+22	2,250512E+22	2,422620E+22
2576	2,527117E+22	2,536003E+22	2,504048E+22	2,504045E+22	2,535973E+22	2,527069E+22	2,422582E+22	2,250473E+22	2,114017E+22	2,114018E+22	2,250474E+22	2,422584E+22
2577	2,527081E+22	2,535954E+22	2,503974E+22	2,503995E+22	2,535996E+22	2,527135E+22	2,422647E+22	2,250520E+22	2,114031E+22	2,113999E+22	2,250437E+22	2,422555E+22
2578	2,527098E+22	2,536046E+22	2,504096E+22	2,504076E+22	2,536027E+22	2,527117E+22	2,422596E+22	2,250479E+22	2,114021E+22	2,114024E+22	2,250482E+22	2,422587E+22
2579	2,527087E+22	2,535983E+22	2,504011E+22	2,503973E+22	2,535903E+22	2,527013E+22	2,422525E+22	2,250434E+22	2,113997E+22	2,114000E+22	2,250450E+22	2,422554E+22
2580	2,527048E+22	2,535935E+22	2,503995E+22	2,504031E+22	2,536013E+22	2,527129E+22	2,422610E+22	2,250460E+22	2,113978E+22	2,113977E+22	2,250449E+22	2,422583E+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	2,527108E+22	2,536003E+22	2,504041E+22	2,504066E+22	2,536016E+22	2,527069E+22	2,422531E+22	2,250397E+22	2,113933E+22	2,113958E+22	2,250456E+22	2,422594E+22
2582	2,527097E+22	2,535960E+22	2,503945E+22	2,503926E+22	2,535924E+22	2,527059E+22	2,422550E+22	2,250412E+22	2,113923E+22	2,113917E+22	2,250407E+22	2,422563E+22
2583	2,527083E+22	2,535987E+22	2,504037E+22	2,504039E+22	2,536017E+22	2,527148E+22	2,422622E+22	2,250454E+22	2,113955E+22	2,113945E+22	2,250423E+22	2,422576E+22
2584	2,527115E+22	2,536016E+22	2,504051E+22	2,504035E+22	2,535951E+22	2,527035E+22	2,422543E+22	2,250421E+22	2,113951E+22	2,113952E+22	2,250418E+22	2,422540E+22
2585	2,527057E+22	2,535945E+22	2,503963E+22	2,503979E+22	2,535972E+22	2,527089E+22	2,422590E+22	2,250471E+22	2,113995E+22	2,113976E+22	2,250420E+22	2,422526E+22
2586	2,527054E+22	2,536006E+22	2,504080E+22	2,504089E+22	2,536059E+22	2,527141E+22	2,422594E+22	2,250463E+22	2,114013E+22	2,114030E+22	2,250497E+22	2,422600E+22
2587	2,527087E+22	2,535973E+22	2,504017E+22	2,504006E+22	2,535945E+22	2,527049E+22	2,422550E+22	2,250454E+22	2,114025E+22	2,114038E+22	2,250489E+22	2,422585E+22
2588	2,527064E+22	2,535930E+22	2,503976E+22	2,504012E+22	2,536003E+22	2,527138E+22	2,422653E+22	2,250535E+22	2,114065E+22	2,114049E+22	2,250491E+22	2,422603E+22
2589	2,527128E+22	2,536041E+22	2,504087E+22	2,504096E+22	2,536036E+22	2,527097E+22	2,422586E+22	2,250501E+22	2,114072E+22	2,114084E+22	2,250528E+22	2,422620E+22
2590	2,527118E+22	2,536017E+22	2,504037E+22	2,503989E+22	2,535923E+22	2,527038E+22	2,422570E+22	2,250509E+22	2,114086E+22	2,114083E+22	2,250511E+22	2,422592E+22
2591	2,527080E+22	2,536003E+22	2,504093E+22	2,504105E+22	2,536041E+22	2,527135E+22	2,422639E+22	2,250552E+22	2,114123E+22	2,114120E+22	2,250541E+22	2,422621E+22
2592	2,527126E+22	2,536049E+22	2,504126E+22	2,504134E+22	2,536039E+22	2,527078E+22	2,422568E+22	2,250494E+22	2,114092E+22	2,114112E+22	2,250541E+22	2,422606E+22
2593	2,527084E+22	2,535973E+22	2,504010E+22	2,504016E+22	2,536000E+22	2,527115E+22	2,422622E+22	2,250536E+22	2,114099E+22	2,114089E+22	2,250508E+22	2,422583E+22
2594	2,527083E+22	2,536023E+22	2,504108E+22	2,504114E+22	2,536070E+22	2,527170E+22	2,422656E+22	2,250548E+22	2,114101E+22	2,114095E+22	2,250530E+22	2,422625E+22
2595	2,527126E+22	2,536026E+22	2,504077E+22	2,504055E+22	2,535960E+22	2,527044E+22	2,422574E+22	2,250514E+22	2,114093E+22	2,114081E+22	2,250493E+22	2,422568E+22
2596	2,527060E+22	2,535953E+22	2,503997E+22	2,504010E+22	2,535981E+22	2,527101E+22	2,422635E+22	2,250554E+22	2,114101E+22	2,114074E+22	2,250484E+22	2,422563E+22
2597	2,527080E+22	2,536024E+22	2,504103E+22	2,504114E+22	2,536057E+22	2,527106E+22	2,422571E+22	2,250477E+22	2,114054E+22	2,114073E+22	2,250521E+22	2,422602E+22
2598	2,527082E+22	2,535980E+22	2,504025E+22	2,503994E+22	2,535930E+22	2,527036E+22	2,422540E+22	2,250446E+22	2,114011E+22	2,114026E+22	2,250489E+22	2,422590E+22
2599	2,527058E+22	2,535933E+22	2,503999E+22	2,504035E+22	2,536010E+22	2,527125E+22	2,422624E+22	2,250495E+22	2,114022E+22	2,114017E+22	2,250479E+22	2,422608E+22
2600	2,527133E+22	2,536028E+22	2,504061E+22	2,504072E+22	2,536020E+22	2,527080E+22	2,422558E+22	2,250441E+22	2,113987E+22	2,113995E+22	2,250461E+22	2,422580E+22
2601	2,527093E+22	2,535978E+22	2,503975E+22	2,503937E+22	2,535927E+22	2,527067E+22	2,422577E+22	2,250469E+22	2,114002E+22	2,113984E+22	2,250429E+22	2,422539E+22
2602	2,527059E+22	2,535998E+22	2,504075E+22	2,504066E+22	2,536014E+22	2,527127E+22	2,422620E+22	2,250492E+22	2,114022E+22	2,114014E+22	2,250467E+22	2,422584E+22
2603	2,527102E+22	2,536015E+22	2,504080E+22	2,504075E+22	2,535976E+22	2,527028E+22	2,422529E+22	2,250452E+22	2,114029E+22	2,114034E+22	2,250470E+22	2,422552E+22
2604	2,527037E+22	2,535920E+22	2,503961E+22	2,503988E+22	2,535982E+22	2,527097E+22	2,422604E+22	2,250508E+22	2,114061E+22	2,114055E+22	2,250486E+22	2,422567E+22
2605	2,527066E+22	2,535989E+22	2,504068E+22	2,504096E+22	2,536073E+22	2,527149E+22	2,422606E+22	2,250488E+22	2,114052E+22	2,114073E+22	2,250530E+22	2,422626E+22
2606	2,527112E+22	2,536001E+22	2,504038E+22	2,504005E+22	2,535935E+22	2,527048E+22	2,422572E+22	2,250498E+22	2,114072E+22	2,114075E+22	2,250516E+22	2,422606E+22
2607	2,527079E+22	2,535959E+22	2,504014E+22	2,504026E+22	2,535979E+22	2,527100E+22	2,422646E+22	2,250581E+22	2,114143E+22	2,114119E+22	2,250525E+22	2,422609E+22
2608	2,527134E+22	2,536069E+22	2,504137E+22	2,504135E+22	2,536047E+22	2,527088E+22	2,422586E+22	2,250531E+22	2,114134E+22	2,114145E+22	2,250554E+22	2,422605E+22
2609	2,527092E+22	2,536015E+22	2,504071E+22	2,504034E+22	2,535960E+22	2,527057E+22	2,422584E+22	2,250544E+22	2,114149E+22	2,114150E+22	2,250547E+22	2,422584E+22
2610	2,527056E+22	2,535995E+22	2,504109E+22	2,504128E+22	2,536061E+22	2,527148E+22	2,422652E+22	2,250577E+22	2,114164E+22	2,114166E+22	2,250577E+22	2,422640E+22
2611	2,527132E+22	2,536049E+22	2,504135E+22	2,504147E+22	2,536053E+22	2,527092E+22	2,422588E+22	2,250544E+22	2,114159E+22	2,114164E+22	2,250561E+22	2,422605E+22
2612	2,527076E+22	2,535969E+22	2,504012E+22	2,504009E+22	2,535985E+22	2,527111E+22	2,422646E+22	2,250596E+22	2,114178E+22	2,114156E+22	2,250543E+22	2,422590E+22
2613	2,527079E+22	2,536014E+22	2,504112E+22	2,504124E+22	2,536066E+22	2,527154E+22	2,422651E+22	2,250575E+22	2,114157E+22	2,114152E+22	2,250558E+22	2,422625E+22
2614	2,527120E+22	2,536036E+22	2,504106E+22	2,504076E+22	2,535959E+22	2,527033E+22	2,422573E+22	2,250540E+22	2,114138E+22	2,114135E+22	2,250543E+22	2,422593E+22
2615	2,527055E+22	2,535945E+22	2,504012E+22	2,504032E+22	2,535981E+22	2,527074E+22	2,422610E+22	2,250569E+22	2,114154E+22	2,114140E+22	2,250541E+22	2,422601E+22
2616	2,527097E+22	2,536027E+22	2,504109E+22	2,504123E+22	2,536072E+22	2,527125E+22	2,422581E+22	2,250487E+22	2,114082E+22	2,114110E+22	2,250549E+22	2,422620E+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	2,527095E+22	2,535989E+22	2,504037E+22	2,504002E+22	2,535939E+22	2,527059E+22	2,422572E+22	2,250484E+22	2,114052E+22	2,114058E+22	2,250500E+22	2,422587E+22
2618	2,527069E+22	2,535963E+22	2,504026E+22	2,504038E+22	2,535992E+22	2,527109E+22	2,422628E+22	2,250528E+22	2,114067E+22	2,114048E+22	2,250486E+22	2,422605E+22
2619	2,527141E+22	2,536059E+22	2,504107E+22	2,504103E+22	2,536025E+22	2,527068E+22	2,422553E+22	2,250483E+22	2,114063E+22	2,114055E+22	2,250472E+22	2,422553E+22
2620	2,527061E+22	2,535973E+22	2,504005E+22	2,503972E+22	2,535936E+22	2,527057E+22	2,422576E+22	2,250508E+22	2,114078E+22	2,114064E+22	2,250476E+22	2,422540E+22
2621	2,527027E+22	2,535957E+22	2,504070E+22	2,504101E+22	2,536048E+22	2,527135E+22	2,422613E+22	2,250507E+22	2,114070E+22	2,114074E+22	2,250510E+22	2,422598E+22
2622	2,527092E+22	2,536000E+22	2,504082E+22	2,504087E+22	2,535996E+22	2,527058E+22	2,422561E+22	2,250488E+22	2,114069E+22	2,114082E+22	2,250522E+22	2,422593E+22
2623	2,527048E+22	2,535914E+22	2,503958E+22	2,503982E+22	2,535963E+22	2,527081E+22	2,422618E+22	2,250561E+22	2,114132E+22	2,114118E+22	2,250530E+22	2,422601E+22
2624	2,527100E+22	2,536019E+22	2,504086E+22	2,504090E+22	2,536058E+22	2,527148E+22	2,422625E+22	2,250536E+22	2,114122E+22	2,114131E+22	2,250552E+22	2,422623E+22
2625	2,527119E+22	2,536032E+22	2,504083E+22	2,504029E+22	2,535932E+22	2,527042E+22	2,422586E+22	2,250548E+22	2,114150E+22	2,114148E+22	2,250545E+22	2,422591E+22
2626	2,527070E+22	2,535986E+22	2,504063E+22	2,504065E+22	2,535980E+22	2,527072E+22	2,422626E+22	2,250603E+22	2,114203E+22	2,114187E+22	2,250569E+22	2,422621E+22
2627	2,527130E+22	2,536078E+22	2,504176E+22	2,504187E+22	2,536085E+22	2,527092E+22	2,422572E+22	2,250556E+22	2,114203E+22	2,114214E+22	2,250592E+22	2,422609E+22
2628	2,527074E+22	2,535996E+22	2,504076E+22	2,504056E+22	2,535982E+22	2,527080E+22	2,422607E+22	2,250581E+22	2,114208E+22	2,114215E+22	2,250595E+22	2,422608E+22
2629	2,527055E+22	2,535971E+22	2,504096E+22	2,504140E+22	2,536075E+22	2,527162E+22	2,422675E+22	2,250614E+22	2,114207E+22	2,114201E+22	2,250594E+22	2,422646E+22
2630	2,527140E+22	2,536067E+22	2,504154E+22	2,504151E+22	2,536044E+22	2,527095E+22	2,422616E+22	2,250593E+22	2,114210E+22	2,114207E+22	2,250588E+22	2,422612E+22
2631	2,527072E+22	2,535976E+22	2,504034E+22	2,504019E+22	2,535957E+22	2,527073E+22	2,422637E+22	2,250638E+22	2,114255E+22	2,114231E+22	2,250584E+22	2,422598E+22
2632	2,527080E+22	2,536025E+22	2,504136E+22	2,504142E+22	2,536068E+22	2,527149E+22	2,422646E+22	2,250593E+22	2,114209E+22	2,114212E+22	2,250594E+22	2,422624E+22
2633	2,527104E+22	2,536030E+22	2,504121E+22	2,504102E+22	2,535981E+22	2,527047E+22	2,422580E+22	2,250560E+22	2,114184E+22	2,114191E+22	2,250580E+22	2,422603E+22
2634	2,527057E+22	2,535950E+22	2,504020E+22	2,504044E+22	2,535987E+22	2,527075E+22	2,422609E+22	2,250579E+22	2,114180E+22	2,114173E+22	2,250572E+22	2,422630E+22
2635	2,527125E+22	2,536049E+22	2,504128E+22	2,504139E+22	2,536078E+22	2,527124E+22	2,422586E+22	2,250524E+22	2,114135E+22	2,114142E+22	2,250554E+22	2,422613E+22
2636	2,527094E+22	2,535999E+22	2,504053E+22	2,504010E+22	2,535931E+22	2,527058E+22	2,422591E+22	2,250533E+22	2,114118E+22	2,114113E+22	2,250521E+22	2,422580E+22
2637	2,527057E+22	2,535956E+22	2,504045E+22	2,504068E+22	2,535999E+22	2,527104E+22	2,422631E+22	2,250555E+22	2,114117E+22	2,114095E+22	2,250501E+22	2,422586E+22
2638	2,527119E+22	2,536061E+22	2,504138E+22	2,504136E+22	2,536036E+22	2,527070E+22	2,422562E+22	2,250515E+22	2,114113E+22	2,114114E+22	2,250520E+22	2,422565E+22
2639	2,527039E+22	2,535950E+22	2,504008E+22	2,503993E+22	2,535942E+22	2,527047E+22	2,422571E+22	2,250541E+22	2,114149E+22	2,114145E+22	2,250539E+22	2,422576E+22
2640	2,527040E+22	2,535954E+22	2,504060E+22	2,504093E+22	2,536054E+22	2,527161E+22	2,422638E+22	2,250536E+22	2,114119E+22	2,114129E+22	2,250550E+22	2,422619E+22
2641	2,527107E+22	2,536011E+22	2,504088E+22	2,504085E+22	2,535989E+22	2,527067E+22	2,422593E+22	2,250543E+22	2,114136E+22	2,114138E+22	2,250547E+22	2,422599E+22
2642	2,527071E+22	2,535954E+22	2,503991E+22	2,503990E+22	2,535937E+22	2,527047E+22	2,422607E+22	2,250595E+22	2,114195E+22	2,114174E+22	2,250557E+22	2,422610E+22
2643	2,527117E+22	2,536061E+22	2,504144E+22	2,504133E+22	2,536056E+22	2,527116E+22	2,422606E+22	2,250574E+22	2,114204E+22	2,114202E+22	2,250578E+22	2,422605E+22
2644	2,527092E+22	2,536034E+22	2,504124E+22	2,504082E+22	2,535954E+22	2,527038E+22	2,422583E+22	2,250579E+22	2,114221E+22	2,114229E+22	2,250596E+22	2,422597E+22
2645	2,527043E+22	2,535957E+22	2,504075E+22	2,504115E+22	2,536026E+22	2,527095E+22	2,422629E+22	2,250614E+22	2,114241E+22	2,114237E+22	2,250604E+22	2,422629E+22
2646	2,527121E+22	2,536071E+22	2,504186E+22	2,504209E+22	2,536113E+22	2,527134E+22	2,422615E+22	2,250595E+22	2,114242E+22	2,114259E+22	2,250635E+22	2,422634E+22
2647	2,527077E+22	2,535988E+22	2,504071E+22	2,504057E+22	2,535974E+22	2,527079E+22	2,422633E+22	2,250642E+22	2,114286E+22	2,114280E+22	2,250633E+22	2,422629E+22
2648	2,527076E+22	2,535988E+22	2,504096E+22	2,504125E+22	2,536062E+22	2,527171E+22	2,422702E+22	2,250665E+22	2,114280E+22	2,114264E+22	2,250618E+22	2,422638E+22
2649	2,527134E+22	2,536081E+22	2,504180E+22	2,504165E+22	2,536034E+22	2,527087E+22	2,422633E+22	2,250644E+22	2,114288E+22	2,114281E+22	2,250623E+22	2,422608E+22
2650	2,527068E+22	2,535992E+22	2,504063E+22	2,504042E+22	2,535944E+22	2,527032E+22	2,422606E+22	2,250648E+22	2,114305E+22	2,114295E+22	2,250636E+22	2,422625E+22
2651	2,527089E+22	2,536037E+22	2,504161E+22	2,504174E+22	2,536082E+22	2,527138E+22	2,422625E+22	2,250604E+22	2,114258E+22	2,114266E+22	2,250631E+22	2,422639E+22
2652	2,527104E+22	2,536027E+22	2,504125E+22	2,504116E+22	2,535992E+22	2,527059E+22	2,422592E+22	2,250576E+22	2,114215E+22	2,114232E+22	2,250612E+22	2,422623E+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	2,527067E+22	2,535948E+22	2,504022E+22	2,504056E+22	2,535990E+22	2,527077E+22	2,422617E+22	2,250595E+22	2,114201E+22	2,114185E+22	2,250567E+22	2,422621E+22
2654	2,527132E+22	2,536078E+22	2,504161E+22	2,504157E+22	2,536075E+22	2,527128E+22	2,422608E+22	2,250561E+22	2,114175E+22	2,114174E+22	2,250564E+22	2,422598E+22
2655	2,527076E+22	2,536004E+22	2,504081E+22	2,504040E+22	2,535923E+22	2,527031E+22	2,422587E+22	2,250573E+22	2,114191E+22	2,114182E+22	2,250553E+22	2,422573E+22
2656	2,527039E+22	2,535951E+22	2,504054E+22	2,504087E+22	2,536017E+22	2,527117E+22	2,422640E+22	2,250584E+22	2,114176E+22	2,114161E+22	2,250537E+22	2,422577E+22
2657	2,527085E+22	2,536038E+22	2,504142E+22	2,504160E+22	2,536061E+22	2,527096E+22	2,422589E+22	2,250554E+22	2,114175E+22	2,114181E+22	2,250562E+22	2,422577E+22
2658	2,527039E+22	2,535946E+22	2,504004E+22	2,503994E+22	2,535935E+22	2,527041E+22	2,422578E+22	2,250569E+22	2,114199E+22	2,114202E+22	2,250587E+22	2,422611E+22
2659	2,527070E+22	2,535979E+22	2,504076E+22	2,504099E+22	2,536043E+22	2,527144E+22	2,422643E+22	2,250587E+22	2,114196E+22	2,114190E+22	2,250577E+22	2,422624E+22
2660	2,527115E+22	2,536032E+22	2,504110E+22	2,504095E+22	2,535977E+22	2,527055E+22	2,422601E+22	2,250587E+22	2,114214E+22	2,114216E+22	2,250591E+22	2,422608E+22
2661	2,527068E+22	2,535962E+22	2,504027E+22	2,504033E+22	2,535944E+22	2,527030E+22	2,422597E+22	2,250613E+22	2,114247E+22	2,114232E+22	2,250589E+22	2,422610E+22
2662	2,527109E+22	2,536077E+22	2,504191E+22	2,504188E+22	2,536083E+22	2,527121E+22	2,422609E+22	2,250597E+22	2,114251E+22	2,114266E+22	2,250633E+22	2,422623E+22
2663	2,527077E+22	2,536019E+22	2,504136E+22	2,504120E+22	2,535981E+22	2,527047E+22	2,422590E+22	2,250611E+22	2,114285E+22	2,114303E+22	2,250653E+22	2,422628E+22
2664	2,527057E+22	2,535958E+22	2,504068E+22	2,504114E+22	2,536046E+22	2,527140E+22	2,422673E+22	2,250655E+22	2,114291E+22	2,114285E+22	2,250632E+22	2,422634E+22
2665	2,527122E+22	2,536080E+22	2,504195E+22	2,504209E+22	2,536108E+22	2,527150E+22	2,422663E+22	2,250665E+22	2,114317E+22	2,114312E+22	2,250649E+22	2,422629E+22
2666	2,527089E+22	2,536018E+22	2,504094E+22	2,504060E+22	2,535948E+22	2,527046E+22	2,422631E+22	2,250686E+22	2,114360E+22	2,114346E+22	2,250665E+22	2,422635E+22
2667	2,527085E+22	2,536019E+22	2,504138E+22	2,504153E+22	2,536050E+22	2,527130E+22	2,422680E+22	2,250702E+22	2,114358E+22	2,114336E+22	2,250651E+22	2,422627E+22
2668	2,527107E+22	2,536073E+22	2,504197E+22	2,504195E+22	2,536044E+22	2,527073E+22	2,422621E+22	2,250663E+22	2,114345E+22	2,114354E+22	2,250680E+22	2,422626E+22
2669	2,527050E+22	2,535969E+22	2,504070E+22	2,504076E+22	2,535971E+22	2,527040E+22	2,422597E+22	2,250641E+22	2,114319E+22	2,114325E+22	2,250664E+22	2,422642E+22
2670	2,527095E+22	2,536044E+22	2,504175E+22	2,504191E+22	2,536094E+22	2,527154E+22	2,422647E+22	2,250621E+22	2,114273E+22	2,114291E+22	2,250659E+22	2,422655E+22
2671	2,527108E+22	2,536031E+22	2,504131E+22	2,504124E+22	2,535988E+22	2,527052E+22	2,422608E+22	2,250620E+22	2,114272E+22	2,114276E+22	2,250631E+22	2,422627E+22
2672	2,527078E+22	2,535972E+22	2,504035E+22	2,504053E+22	2,535991E+22	2,527093E+22	2,422642E+22	2,250634E+22	2,114255E+22	2,114230E+22	2,250574E+22	2,422592E+22
2673	2,527104E+22	2,536083E+22	2,504190E+22	2,504183E+22	2,536080E+22	2,527130E+22	2,422633E+22	2,250612E+22	2,114246E+22	2,114237E+22	2,250586E+22	2,422582E+22
2674	2,527057E+22	2,536001E+22	2,504096E+22	2,504066E+22	2,535929E+22	2,527008E+22	2,422570E+22	2,250594E+22	2,114252E+22	2,114253E+22	2,250608E+22	2,422599E+22
2675	2,527039E+22	2,535948E+22	2,504058E+22	2,504103E+22	2,536029E+22	2,527111E+22	2,422637E+22	2,250613E+22	2,114239E+22	2,114228E+22	2,250587E+22	2,422599E+22
2676	2,527082E+22	2,536025E+22	2,504129E+22	2,504155E+22	2,536060E+22	2,527104E+22	2,422613E+22	2,250591E+22	2,114229E+22	2,114244E+22	2,250616E+22	2,422611E+22
2677	2,527053E+22	2,535952E+22	2,504014E+22	2,504002E+22	2,535924E+22	2,527027E+22	2,422581E+22	2,250592E+22	2,114238E+22	2,114237E+22	2,250604E+22	2,422620E+22
2678	2,527090E+22	2,536023E+22	2,504125E+22	2,504124E+22	2,536033E+22	2,527126E+22	2,422647E+22	2,250616E+22	2,114247E+22	2,114246E+22	2,250611E+22	2,422624E+22
2679	2,527107E+22	2,536050E+22	2,504153E+22	2,504138E+22	2,535983E+22	2,527030E+22	2,422590E+22	2,250619E+22	2,114286E+22	2,114292E+22	2,250636E+22	2,422614E+22
2680	2,527062E+22	2,535973E+22	2,504050E+22	2,504064E+22	2,535981E+22	2,527058E+22	2,422609E+22	2,250638E+22	2,114300E+22	2,114293E+22	2,250624E+22	2,422605E+22
2681	2,527084E+22	2,536065E+22	2,504207E+22	2,504224E+22	2,536122E+22	2,527161E+22	2,422655E+22	2,250648E+22	2,114314E+22	2,114323E+22	2,250661E+22	2,422633E+22
2682	2,527082E+22	2,536021E+22	2,504138E+22	2,504129E+22	2,535985E+22	2,527047E+22	2,422613E+22	2,250659E+22	2,114348E+22	2,114359E+22	2,250691E+22	2,422650E+22
2683	2,527075E+22	2,535979E+22	2,504082E+22	2,504115E+22	2,536035E+22	2,527126E+22	2,422693E+22	2,250725E+22	2,114380E+22	2,114352E+22	2,250658E+22	2,422628E+22
2684	2,527110E+22	2,536086E+22	2,504210E+22	2,504214E+22	2,536095E+22	2,527137E+22	2,422677E+22	2,250715E+22	2,114399E+22	2,114396E+22	2,250698E+22	2,422634E+22
2685	2,527070E+22	2,536014E+22	2,504121E+22	2,504089E+22	2,535940E+22	2,527013E+22	2,422610E+22	2,250699E+22	2,114408E+22	2,114405E+22	2,250704E+22	2,422643E+22
2686	2,527078E+22	2,536029E+22	2,504172E+22	2,504190E+22	2,536064E+22	2,527116E+22	2,422666E+22	2,250708E+22	2,114396E+22	2,114398E+22	2,250709E+22	2,422653E+22
2687	2,527102E+22	2,536063E+22	2,504202E+22	2,504216E+22	2,536062E+22	2,527071E+22	2,422614E+22	2,250673E+22	2,114385E+22	2,114408E+22	2,250728E+22	2,422663E+22
2688	2,527074E+22	2,535982E+22	2,504067E+22	2,504069E+22	2,535987E+22	2,527072E+22	2,422626E+22	2,250663E+22	2,114342E+22	2,114344E+22	2,250673E+22	2,422641E+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°
2689	2,527099E+22	2,536062E+22	2,504198E+22	2,504202E+22	2,536096E+22	2,527164E+22	2,422685E+22	2,250675E+22	2,114324E+22	2,114317E+22	2,250649E+22	2,422637E+22
2690	2,527111E+22	2,536055E+22	2,504160E+22	2,504140E+22	2,535978E+22	2,527025E+22	2,422604E+22	2,250654E+22	2,114331E+22	2,114326E+22	2,250648E+22	2,422615E+22
2691	2,527066E+22	2,535987E+22	2,504070E+22	2,504083E+22	2,535996E+22	2,527070E+22	2,422638E+22	2,250676E+22	2,114327E+22	2,114296E+22	2,250604E+22	2,422573E+22
2692	2,527058E+22	2,536052E+22	2,504192E+22	2,504205E+22	2,536103E+22	2,527136E+22	2,422639E+22	2,250641E+22	2,114307E+22	2,114314E+22	2,250645E+22	2,422601E+22
2693	2,527030E+22	2,535966E+22	2,504089E+22	2,504079E+22	2,535947E+22	2,527017E+22	2,422576E+22	2,250606E+22	2,114283E+22	2,114297E+22	2,250649E+22	2,422628E+22
2694	2,527054E+22	2,535956E+22	2,504066E+22	2,504105E+22	2,536025E+22	2,527111E+22	2,422657E+22	2,250644E+22	2,114279E+22	2,114277E+22	2,250633E+22	2,422629E+22
2695	2,527099E+22	2,536037E+22	2,504135E+22	2,504151E+22	2,536043E+22	2,527084E+22	2,422621E+22	2,250638E+22	2,114300E+22	2,114308E+22	2,250655E+22	2,422634E+22
2696	2,527079E+22	2,535990E+22	2,504042E+22	2,504006E+22	2,535924E+22	2,527032E+22	2,422595E+22	2,250626E+22	2,114294E+22	2,114291E+22	2,250627E+22	2,422608E+22
2697	2,527077E+22	2,536045E+22	2,504177E+22	2,504168E+22	2,536045E+22	2,527118E+22	2,422661E+22	2,250662E+22	2,114316E+22	2,114308E+22	2,250637E+22	2,422621E+22
2698	2,527101E+22	2,536059E+22	2,504184E+22	2,504183E+22	2,536011E+22	2,527020E+22	2,422578E+22	2,250642E+22	2,114347E+22	2,114363E+22	2,250686E+22	2,422636E+22
2699	2,527065E+22	2,535981E+22	2,504072E+22	2,504093E+22	2,536007E+22	2,527068E+22	2,422626E+22	2,250681E+22	2,114364E+22	2,114355E+22	2,250662E+22	2,422611E+22
2700	2,527068E+22	2,536049E+22	2,504200E+22	2,504225E+22	2,536128E+22	2,527178E+22	2,422694E+22	2,250706E+22	2,114383E+22	2,114387E+22	2,250703E+22	2,422646E+22
2701	2,527077E+22	2,536020E+22	2,504152E+22	2,504136E+22	2,535976E+22	2,527034E+22	2,422625E+22	2,250703E+22	2,114408E+22	2,114408E+22	2,250710E+22	2,422650E+22
2702	2,527079E+22	2,536007E+22	2,504123E+22	2,504133E+22	2,536020E+22	2,527098E+22	2,422690E+22	2,250757E+22	2,114446E+22	2,114427E+22	2,250705E+22	2,422629E+22
2703	2,527091E+22	2,536083E+22	2,504235E+22	2,504241E+22	2,536094E+22	2,527107E+22	2,422660E+22	2,250744E+22	2,114471E+22	2,114479E+22	2,250757E+22	2,422656E+22
2704	2,527068E+22	2,536016E+22	2,504134E+22	2,504108E+22	2,535971E+22	2,527034E+22	2,422610E+22	2,250706E+22	2,114442E+22	2,114454E+22	2,250742E+22	2,422653E+22
2705	2,527068E+22	2,536024E+22	2,504189E+22	2,504216E+22	2,536089E+22	2,527138E+22	2,422693E+22	2,250739E+22	2,114434E+22	2,114431E+22	2,250727E+22	2,422671E+22
2706	2,527124E+22	2,536074E+22	2,504207E+22	2,504222E+22	2,536067E+22	2,527069E+22	2,422625E+22	2,250705E+22	2,114426E+22	2,114442E+22	2,250747E+22	2,422677E+22
2707	2,527097E+22	2,536013E+22	2,504092E+22	2,504076E+22	2,535982E+22	2,527062E+22	2,422644E+22	2,250719E+22	2,114408E+22	2,114387E+22	2,250679E+22	2,422620E+22
2708	2,527075E+22	2,536061E+22	2,504215E+22	2,504213E+22	2,536094E+22	2,527161E+22	2,422706E+22	2,250725E+22	2,114394E+22	2,114382E+22	2,250682E+22	2,422628E+22
2709	2,527076E+22	2,536040E+22	2,504186E+22	2,504171E+22	2,535983E+22	2,527006E+22	2,422594E+22	2,250675E+22	2,114377E+22	2,114378E+22	2,250682E+22	2,422619E+22
2710	2,527050E+22	2,535981E+22	2,504090E+22	2,504107E+22	2,536011E+22	2,527067E+22	2,422632E+22	2,250687E+22	2,114372E+22	2,114365E+22	2,250667E+22	2,422601E+22
2711	2,527050E+22	2,536028E+22	2,504178E+22	2,504203E+22	2,536109E+22	2,527140E+22	2,422646E+22	2,250665E+22	2,114356E+22	2,114376E+22	2,250703E+22	2,422647E+22
2712	2,527062E+22	2,535981E+22	2,504080E+22	2,504056E+22	2,535945E+22	2,527035E+22	2,422599E+22	2,250637E+22	2,114318E+22	2,114329E+22	2,250669E+22	2,422640E+22
2713	2,527072E+22	2,535988E+22	2,504102E+22	2,504118E+22	2,536015E+22	2,527098E+22	2,422676E+22	2,250697E+22	2,114342E+22	2,114316E+22	2,250635E+22	2,422628E+22
2714	2,527120E+22	2,536076E+22	2,504182E+22	2,504179E+22	2,536034E+22	2,527044E+22	2,422600E+22	2,250664E+22	2,114362E+22	2,114368E+22	2,250682E+22	2,422632E+22
2715	2,527076E+22	2,536017E+22	2,504098E+22	2,504055E+22	2,535940E+22	2,527011E+22	2,422588E+22	2,250665E+22	2,114361E+22	2,114356E+22	2,250657E+22	2,422592E+22
2716	2,527035E+22	2,536022E+22	2,504195E+22	2,504209E+22	2,536087E+22	2,527142E+22	2,422677E+22	2,250696E+22	2,114376E+22	2,114378E+22	2,250687E+22	2,422629E+22
2717	2,527069E+22	2,536030E+22	2,504191E+22	2,504207E+22	2,536037E+22	2,527041E+22	2,422598E+22	2,250671E+22	2,114389E+22	2,114408E+22	2,250717E+22	2,422649E+22
2718	2,527067E+22	2,535984E+22	2,504086E+22	2,504101E+22	2,536012E+22	2,527079E+22	2,422657E+22	2,250730E+22	2,114430E+22	2,114423E+22	2,250707E+22	2,422626E+22
2719	2,527067E+22	2,536045E+22	2,504201E+22	2,504219E+22	2,536117E+22	2,527167E+22	2,422709E+22	2,250765E+22	2,114471E+22	2,114470E+22	2,250752E+22	2,422666E+22
2720	2,527089E+22	2,536040E+22	2,504167E+22	2,504133E+22	2,535972E+22	2,527035E+22	2,422636E+22	2,250743E+22	2,114476E+22	2,114477E+22	2,250749E+22	2,422652E+22
2721	2,527068E+22	2,536018E+22	2,504163E+22	2,504171E+22	2,536026E+22	2,527080E+22	2,422691E+22	2,250798E+22	2,114514E+22	2,114492E+22	2,250744E+22	2,422650E+22
2722	2,527101E+22	2,536087E+22	2,504253E+22	2,504268E+22	2,536108E+22	2,527091E+22	2,422638E+22	2,250753E+22	2,114518E+22	2,114542E+22	2,250811E+22	2,422693E+22
2723	2,527090E+22	2,536033E+22	2,504157E+22	2,504128E+22	2,535984E+22	2,527041E+22	2,422626E+22	2,250737E+22	2,114481E+22	2,114493E+22	2,250768E+22	2,422663E+22
2724	2,527069E+22	2,536026E+22	2,504195E+22	2,504220E+22	2,536094E+22	2,527152E+22	2,422723E+22	2,250784E+22	2,114480E+22	2,114468E+22	2,250744E+22	2,422672E+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	2,527118E+22	2,536086E+22	2,504236E+22	2,504236E+22	2,536063E+22	2,527059E+22	2,422630E+22	2,250738E+22	2,114470E+22	2,114470E+22	2,250744E+22	2,422658E+22
2726	2,527090E+22	2,536036E+22	2,504139E+22	2,504106E+22	2,535982E+22	2,527047E+22	2,422640E+22	2,250746E+22	2,114466E+22	2,114453E+22	2,250710E+22	2,422605E+22
2727	2,527040E+22	2,536036E+22	2,504222E+22	2,504236E+22	2,536104E+22	2,527150E+22	2,422699E+22	2,250757E+22	2,114462E+22	2,114457E+22	2,250734E+22	2,422643E+22
2728	2,527063E+22	2,536022E+22	2,504178E+22	2,504176E+22	2,536012E+22	2,527036E+22	2,422606E+22	2,250694E+22	2,114416E+22	2,114427E+22	2,250720E+22	2,422634E+22
2729	2,527042E+22	2,535969E+22	2,504095E+22	2,504116E+22	2,536015E+22	2,527076E+22	2,422658E+22	2,250728E+22	2,114418E+22	2,114403E+22	2,250692E+22	2,422630E+22
2730	2,527082E+22	2,536039E+22	2,504177E+22	2,504193E+22	2,536091E+22	2,527121E+22	2,422648E+22	2,250701E+22	2,114410E+22	2,114424E+22	2,250734E+22	2,422671E+22
2731	2,527095E+22	2,536023E+22	2,504117E+22	2,504066E+22	2,535930E+22	2,527013E+22	2,422605E+22	2,250683E+22	2,114380E+22	2,114379E+22	2,250684E+22	2,422626E+22
2732	2,527058E+22	2,535999E+22	2,504136E+22	2,504143E+22	2,536015E+22	2,527085E+22	2,422676E+22	2,250735E+22	2,114408E+22	2,114383E+22	2,250672E+22	2,422621E+22
2733	2,527091E+22	2,536073E+22	2,504225E+22	2,504226E+22	2,536055E+22	2,527032E+22	2,422584E+22	2,250681E+22	2,114408E+22	2,114420E+22	2,250714E+22	2,422636E+22
2734	2,527064E+22	2,536016E+22	2,504130E+22	2,504100E+22	2,535975E+22	2,527024E+22	2,422587E+22	2,250679E+22	2,114413E+22	2,114429E+22	2,250713E+22	2,422611E+22
2735	2,527021E+22	2,535993E+22	2,504181E+22	2,504215E+22	2,536105E+22	2,527165E+22	2,422706E+22	2,250742E+22	2,114439E+22	2,114445E+22	2,250738E+22	2,422661E+22
2736	2,527087E+22	2,536036E+22	2,504183E+22	2,504192E+22	2,536043E+22	2,527069E+22	2,422636E+22	2,250725E+22	2,114448E+22	2,114454E+22	2,250738E+22	2,422652E+22
2737	2,527070E+22	2,536005E+22	2,504118E+22	2,504112E+22	2,535996E+22	2,527067E+22	2,422681E+22	2,250796E+22	2,114513E+22	2,114481E+22	2,250725E+22	2,422631E+22
2738	2,527081E+22	2,536066E+22	2,504230E+22	2,504235E+22	2,536101E+22	2,527130E+22	2,422691E+22	2,250799E+22	2,114549E+22	2,114551E+22	2,250800E+22	2,422679E+22
2739	2,527095E+22	2,536062E+22	2,504209E+22	2,504171E+22	2,535979E+22	2,527013E+22	2,422627E+22	2,250777E+22	2,114541E+22	2,114548E+22	2,250793E+22	2,422657E+22
2740	2,527047E+22	2,536002E+22	2,504176E+22	2,504202E+22	2,536055E+22	2,527093E+22	2,422696E+22	2,250822E+22	2,114566E+22	2,114555E+22	2,250795E+22	2,422672E+22
2741	2,527093E+22	2,536081E+22	2,504271E+22	2,504288E+22	2,536121E+22	2,527100E+22	2,422648E+22	2,250772E+22	2,114546E+22	2,114569E+22	2,250830E+22	2,422707E+22
2742	2,527106E+22	2,536053E+22	2,504185E+22	2,504147E+22	2,535990E+22	2,527046E+22	2,422642E+22	2,250771E+22	2,114533E+22	2,114543E+22	2,250790E+22	2,422660E+22
2743	2,527063E+22	2,536028E+22	2,504206E+22	2,504226E+22	2,536090E+22	2,527151E+22	2,422740E+22	2,250833E+22	2,114552E+22	2,114529E+22	2,250771E+22	2,422668E+22
2744	2,527114E+22	2,536096E+22	2,504251E+22	2,504243E+22	2,536068E+22	2,527068E+22	2,422642E+22	2,250773E+22	2,114527E+22	2,114523E+22	2,250766E+22	2,422643E+22
2745	2,527062E+22	2,536029E+22	2,504168E+22	2,504143E+22	2,535994E+22	2,527041E+22	2,422646E+22	2,250785E+22	2,114530E+22	2,114510E+22	2,250745E+22	2,422624E+22
2746	2,527043E+22	2,536020E+22	2,504215E+22	2,504245E+22	2,536112E+22	2,527142E+22	2,422683E+22	2,250766E+22	2,114508E+22	2,114519E+22	2,250788E+22	2,422680E+22
2747	2,527085E+22	2,536028E+22	2,504179E+22	2,504174E+22	2,536002E+22	2,527034E+22	2,422624E+22	2,250729E+22	2,114457E+22	2,114468E+22	2,250750E+22	2,422651E+22
2748	2,527051E+22	2,535974E+22	2,504098E+22	2,504114E+22	2,536004E+22	2,527072E+22	2,422672E+22	2,250768E+22	2,114469E+22	2,114445E+22	2,250714E+22	2,422636E+22
2749	2,527084E+22	2,536064E+22	2,504217E+22	2,504208E+22	2,536071E+22	2,527090E+22	2,422632E+22	2,250721E+22	2,114453E+22	2,114459E+22	2,250740E+22	2,422659E+22
2750	2,527095E+22	2,536053E+22	2,504176E+22	2,504115E+22	2,535938E+22	2,526996E+22	2,422589E+22	2,250696E+22	2,114436E+22	2,114448E+22	2,250717E+22	2,422612E+22
2751	2,527027E+22	2,535983E+22	2,504155E+22	2,504183E+22	2,536045E+22	2,527092E+22	2,422674E+22	2,250758E+22	2,114467E+22	2,114452E+22	2,250718E+22	2,422632E+22
2752	2,527079E+22	2,536058E+22	2,504221E+22	2,504244E+22	2,536099E+22	2,527081E+22	2,422611E+22	2,250708E+22	2,114451E+22	2,114466E+22	2,250744E+22	2,422642E+22
2753	2,527054E+22	2,536004E+22	2,504138E+22	2,504121E+22	2,535991E+22	2,527050E+22	2,422633E+22	2,250743E+22	2,114479E+22	2,114474E+22	2,250738E+22	2,422635E+22
2754	2,527045E+22	2,535994E+22	2,504172E+22	2,504205E+22	2,536090E+22	2,527155E+22	2,422723E+22	2,250800E+22	2,114522E+22	2,114517E+22	2,250778E+22	2,422681E+22
2755	2,527109E+22	2,536066E+22	2,504213E+22	2,504197E+22	2,536017E+22	2,527050E+22	2,422658E+22	2,250792E+22	2,114536E+22	2,114532E+22	2,250775E+22	2,422648E+22
2756	2,527057E+22	2,536012E+22	2,504149E+22	2,504136E+22	2,535986E+22	2,527045E+22	2,422680E+22	2,250841E+22	2,114595E+22	2,114569E+22	2,250782E+22	2,422640E+22
2757	2,527064E+22	2,536071E+22	2,504271E+22	2,504272E+22	2,536105E+22	2,527105E+22	2,422665E+22	2,250810E+22	2,114601E+22	2,114615E+22	2,250847E+22	2,422701E+22
2758	2,527102E+22	2,536076E+22	2,504245E+22	2,504215E+22	2,536009E+22	2,527021E+22	2,422615E+22	2,250777E+22	2,114585E+22	2,114616E+22	2,250845E+22	2,422680E+22
2759	2,527052E+22	2,535997E+22	2,504175E+22	2,504211E+22	2,536069E+22	2,527112E+22	2,422716E+22	2,250853E+22	2,114611E+22	2,114602E+22	2,250830E+22	2,422697E+22
2760	2,527118E+22	2,536102E+22	2,504277E+22	2,504289E+22	2,536132E+22	2,527125E+22	2,422679E+22	2,250815E+22	2,114591E+22	2,114596E+22	2,250829E+22	2,422693E+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												
2761	2,527102E+22	2,536076E+22	2,504228E+22	2,504180E+22	2,535988E+22	2,527039E+22	2,422661E+22	2,250825E+22	2,114600E+22	2,114583E+22	2,250794E+22	2,422649E+22
2762	2,527056E+22	2,536027E+22	2,504222E+22	2,504247E+22	2,536086E+22	2,527128E+22	2,422729E+22	2,250863E+22	2,114620E+22	2,114601E+22	2,250810E+22	2,422666E+22
2763	2,527097E+22	2,536093E+22	2,504272E+22	2,504272E+22	2,536078E+22	2,527065E+22	2,422649E+22	2,250804E+22	2,114581E+22	2,114585E+22	2,250805E+22	2,422642E+22
2764	2,527030E+22	2,535996E+22	2,504157E+22	2,504153E+22	2,536007E+22	2,527054E+22	2,422657E+22	2,250809E+22	2,114577E+22	2,114568E+22	2,250792E+22	2,422645E+22
2765	2,527038E+22	2,536012E+22	2,504213E+22	2,504239E+22	2,536098E+22	2,527135E+22	2,422688E+22	2,250786E+22	2,114540E+22	2,114550E+22	2,250811E+22	2,422702E+22
2766	2,527113E+22	2,536056E+22	2,504200E+22	2,504183E+22	2,535994E+22	2,527022E+22	2,422620E+22	2,250749E+22	2,114509E+22	2,114523E+22	2,250776E+22	2,422654E+22
2767	2,527056E+22	2,535987E+22	2,504113E+22	2,504121E+22	2,535995E+22	2,527060E+22	2,422672E+22	2,250799E+22	2,114529E+22	2,114504E+22	2,250746E+22	2,422641E+22
2768	2,527088E+22	2,536082E+22	2,504243E+22	2,504234E+22	2,536085E+22	2,527094E+22	2,422636E+22	2,250745E+22	2,114499E+22	2,114504E+22	2,250761E+22	2,422648E+22
2769	2,527072E+22	2,536054E+22	2,504215E+22	2,504171E+22	2,535966E+22	2,527002E+22	2,422596E+22	2,250730E+22	2,114493E+22	2,114497E+22	2,250748E+22	2,422629E+22
2770	2,527028E+22	2,535968E+22	2,504149E+22	2,504199E+22	2,536064E+22	2,527107E+22	2,422684E+22	2,250784E+22	2,114523E+22	2,114518E+22	2,250765E+22	2,422657E+22
2771	2,527092E+22	2,536067E+22	2,504227E+22	2,504245E+22	2,536093E+22	2,527097E+22	2,422656E+22	2,250767E+22	2,114513E+22	2,114519E+22	2,250772E+22	2,422647E+22
2772	2,527052E+22	2,536007E+22	2,504144E+22	2,504123E+22	2,535978E+22	2,527046E+22	2,422661E+22	2,250809E+22	2,114564E+22	2,114544E+22	2,250770E+22	2,422636E+22
2773	2,527041E+22	2,536018E+22	2,504208E+22	2,504216E+22	2,536062E+22	2,527119E+22	2,422711E+22	2,250836E+22	2,114594E+22	2,114584E+22	2,250809E+22	2,422681E+22
2774	2,527109E+22	2,536092E+22	2,504263E+22	2,504242E+22	2,536022E+22	2,527022E+22	2,422633E+22	2,250808E+22	2,114611E+22	2,114627E+22	2,250833E+22	2,422654E+22
2775	2,527037E+22	2,536002E+22	2,504167E+22	2,504174E+22	2,536012E+22	2,527046E+22	2,422670E+22	2,250857E+22	2,114653E+22	2,114646E+22	2,250845E+22	2,422671E+22
2776	2,527069E+22	2,536070E+22	2,504275E+22	2,504295E+22	2,536137E+22	2,527134E+22	2,422681E+22	2,250828E+22	2,114635E+22	2,114655E+22	2,250876E+22	2,422714E+22
2777	2,527106E+22	2,536083E+22	2,504269E+22	2,504249E+22	2,536030E+22	2,527043E+22	2,422652E+22	2,250828E+22	2,114636E+22	2,114646E+22	2,250859E+22	2,422698E+22
2778	2,527075E+22	2,536011E+22	2,504181E+22	2,504216E+22	2,536069E+22	2,527111E+22	2,422729E+22	2,250897E+22	2,114677E+22	2,114657E+22	2,250851E+22	2,422694E+22
2779	2,527123E+22	2,536128E+22	2,504307E+22	2,504300E+22	2,536115E+22	2,527119E+22	2,422709E+22	2,250872E+22	2,114661E+22	2,114655E+22	2,250849E+22	2,422671E+22
2780	2,527069E+22	2,536064E+22	2,504246E+22	2,504209E+22	2,535992E+22	2,527030E+22	2,422672E+22	2,250871E+22	2,114673E+22	2,114658E+22	2,250839E+22	2,422647E+22
2781	2,527025E+22	2,536014E+22	2,504234E+22	2,504264E+22	2,536087E+22	2,527108E+22	2,422710E+22	2,250873E+22	2,114664E+22	2,114658E+22	2,250855E+22	2,422687E+22
2782	2,527097E+22	2,536088E+22	2,504276E+22	2,504289E+22	2,536090E+22	2,527068E+22	2,422642E+22	2,250807E+22	2,114623E+22	2,114651E+22	2,250857E+22	2,422669E+22
2783	2,527038E+22	2,535990E+22	2,504142E+22	2,504141E+22	2,535999E+22	2,527057E+22	2,422671E+22	2,250834E+22	2,114614E+22	2,114609E+22	2,250827E+22	2,422674E+22
2784	2,527069E+22	2,536041E+22	2,504220E+22	2,504231E+22	2,536087E+22	2,527130E+22	2,422698E+22	2,250814E+22	2,114577E+22	2,114574E+22	2,250809E+22	2,422690E+22
2785	2,527116E+22	2,536091E+22	2,504252E+22	2,504222E+22	2,535994E+22	2,527006E+22	2,422623E+22	2,250785E+22	2,114561E+22	2,114556E+22	2,250782E+22	2,422649E+22
2786	2,527055E+22	2,535998E+22	2,504140E+22	2,504156E+22	2,536005E+22	2,527042E+22	2,422658E+22	2,250817E+22	2,114585E+22	2,114567E+22	2,250781E+22	2,422638E+22
2787	2,527071E+22	2,536085E+22	2,504271E+22	2,504272E+22	2,536105E+22	2,527109E+22	2,422660E+22	2,250780E+22	2,114550E+22	2,114559E+22	2,250793E+22	2,422643E+22
2788	2,527041E+22	2,536026E+22	2,504213E+22	2,504196E+22	2,535994E+22	2,527030E+22	2,422632E+22	2,250776E+22	2,114553E+22	2,114560E+22	2,250791E+22	2,422638E+22
2789	2,527016E+22	2,535963E+22	2,504149E+22	2,504194E+22	2,536055E+22	2,527106E+22	2,422705E+22	2,250830E+22	2,114583E+22	2,114572E+22	2,250797E+22	2,422670E+22
2790	2,527103E+22	2,536087E+22	2,504247E+22	2,504257E+22	2,536087E+22	2,527087E+22	2,422662E+22	2,250809E+22	2,114598E+22	2,114607E+22	2,250817E+22	2,422651E+22
2791	2,527048E+22	2,536015E+22	2,504157E+22	2,504127E+22	2,535964E+22	2,527028E+22	2,422664E+22	2,250852E+22	2,114646E+22	2,114632E+22	2,250829E+22	2,422656E+22
2792	2,527049E+22	2,536035E+22	2,504233E+22	2,504244E+22	2,536070E+22	2,527104E+22	2,422705E+22	2,250863E+22	2,114655E+22	2,114651E+22	2,250854E+22	2,422692E+22
2793	2,527104E+22	2,536103E+22	2,504304E+22	2,504299E+22	2,536054E+22	2,527021E+22	2,422627E+22	2,250829E+22	2,114661E+22	2,114680E+22	2,250880E+22	2,422692E+22
2794	2,527055E+22	2,536002E+22	2,504170E+22	2,504190E+22	2,536032E+22	2,527058E+22	2,422676E+22	2,250873E+22	2,114696E+22	2,114703E+22	2,250892E+22	2,422702E+22
2795	2,527094E+22	2,536095E+22	2,504296E+22	2,504305E+22	2,536134E+22	2,527152E+22	2,422730E+22	2,250880E+22	2,114680E+22	2,114689E+22	2,250888E+22	2,422708E+22
2796	2,527101E+22	2,536094E+22	2,504288E+22	2,504266E+22	2,536030E+22	2,527043E+22	2,422681E+22	2,250888E+22	2,114708E+22	2,114699E+22	2,250871E+22	2,422674E+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	2,527055E+22	2,536030E+22	2,504216E+22	2,504231E+22	2,536054E+22	2,527086E+22	2,422726E+22	2,250933E+22	2,114742E+22	2,114716E+22	2,250870E+22	2,422676E+22
2798	2,527099E+22	2,536133E+22	2,504343E+22	2,504341E+22	2,536131E+22	2,527105E+22	2,422691E+22	2,250890E+22	2,114730E+22	2,114739E+22	2,250896E+22	2,422667E+22
2799	2,527035E+22	2,536033E+22	2,504236E+22	2,504222E+22	2,536012E+22	2,527036E+22	2,422673E+22	2,250891E+22	2,114726E+22	2,114726E+22	2,250898E+22	2,422679E+22
2800	2,527029E+22	2,536000E+22	2,504215E+22	2,504261E+22	2,536097E+22	2,527120E+22	2,422727E+22	2,250893E+22	2,114693E+22	2,114691E+22	2,250883E+22	2,422707E+22
2801	2,527108E+22	2,536098E+22	2,504287E+22	2,504299E+22	2,536089E+22	2,527066E+22	2,422662E+22	2,250847E+22	2,114663E+22	2,114675E+22	2,250877E+22	2,422696E+22
2802	2,527067E+22	2,536013E+22	2,504151E+22	2,504136E+22	2,535984E+22	2,527040E+22	2,422670E+22	2,250861E+22	2,114667E+22	2,114659E+22	2,250852E+22	2,422678E+22
2803	2,527082E+22	2,536081E+22	2,504266E+22	2,504250E+22	2,536068E+22	2,527114E+22	2,422715E+22	2,250852E+22	2,114629E+22	2,114623E+22	2,250827E+22	2,422670E+22
2804	2,527088E+22	2,536089E+22	2,504284E+22	2,504269E+22	2,536017E+22	2,527000E+22	2,422627E+22	2,250820E+22	2,114623E+22	2,114620E+22	2,250817E+22	2,422639E+22
2805	2,527026E+22	2,535995E+22	2,504162E+22	2,504185E+22	2,536027E+22	2,527041E+22	2,422649E+22	2,250830E+22	2,114628E+22	2,114622E+22	2,250819E+22	2,422650E+22
2806	2,527063E+22	2,536078E+22	2,504278E+22	2,504295E+22	2,536131E+22	2,527127E+22	2,422672E+22	2,250803E+22	2,114604E+22	2,114628E+22	2,250839E+22	2,422660E+22
2807	2,527039E+22	2,536015E+22	2,504198E+22	2,504187E+22	2,535995E+22	2,527040E+22	2,422664E+22	2,250828E+22	2,114617E+22	2,114620E+22	2,250834E+22	2,422665E+22
2808	2,527035E+22	2,535982E+22	2,504155E+22	2,504188E+22	2,536040E+22	2,527089E+22	2,422717E+22	2,250876E+22	2,114648E+22	2,114624E+22	2,250818E+22	2,422666E+22
2809	2,527100E+22	2,536110E+22	2,504291E+22	2,504292E+22	2,536085E+22	2,527064E+22	2,422662E+22	2,250851E+22	2,114667E+22	2,114670E+22	2,250857E+22	2,422668E+22
2810	2,527049E+22	2,536024E+22	2,504184E+22	2,504160E+22	2,535976E+22	2,527009E+22	2,422645E+22	2,250866E+22	2,114705E+22	2,114710E+22	2,250885E+22	2,422675E+22
2811	2,527048E+22	2,536047E+22	2,504264E+22	2,504274E+22	2,536084E+22	2,527111E+22	2,422722E+22	2,250889E+22	2,114701E+22	2,114707E+22	2,250893E+22	2,422702E+22
2812	2,527092E+22	2,536092E+22	2,504313E+22	2,504327E+22	2,536084E+22	2,527047E+22	2,422662E+22	2,250875E+22	2,114717E+22	2,114731E+22	2,250910E+22	2,422698E+22
2813	2,527057E+22	2,536021E+22	2,504188E+22	2,504197E+22	2,536030E+22	2,527056E+22	2,422694E+22	2,250916E+22	2,114750E+22	2,114745E+22	2,250908E+22	2,422702E+22
2814	2,527099E+22	2,536118E+22	2,504329E+22	2,504327E+22	2,536138E+22	2,527146E+22	2,422740E+22	2,250927E+22	2,114762E+22	2,114765E+22	2,250915E+22	2,422693E+22
2815	2,527079E+22	2,536092E+22	2,504304E+22	2,504278E+22	2,536030E+22	2,527036E+22	2,422697E+22	2,250938E+22	2,114785E+22	2,114778E+22	2,250920E+22	2,422680E+22
2816	2,527039E+22	2,536024E+22	2,504227E+22	2,504251E+22	2,536064E+22	2,527073E+22	2,422723E+22	2,250962E+22	2,114801E+22	2,114779E+22	2,250911E+22	2,422682E+22
2817	2,527078E+22	2,536120E+22	2,504357E+22	2,504373E+22	2,536157E+22	2,527110E+22	2,422691E+22	2,250910E+22	2,114774E+22	2,114790E+22	2,250948E+22	2,422710E+22
2818	2,527050E+22	2,536025E+22	2,504223E+22	2,504214E+22	2,536013E+22	2,527037E+22	2,422677E+22	2,250905E+22	2,114761E+22	2,114776E+22	2,250945E+22	2,422717E+22
2819	2,527062E+22	2,536030E+22	2,504233E+22	2,504253E+22	2,536070E+22	2,527112E+22	2,422757E+22	2,250935E+22	2,114732E+22	2,114719E+22	2,250895E+22	2,422710E+22
2820	2,527115E+22	2,536119E+22	2,504316E+22	2,504315E+22	2,536083E+22	2,527050E+22	2,422671E+22	2,250890E+22	2,114721E+22	2,114718E+22	2,250885E+22	2,422676E+22
2821	2,527056E+22	2,536044E+22	2,504200E+22	2,504162E+22	2,535977E+22	2,527010E+22	2,422652E+22	2,250877E+22	2,114711E+22	2,114705E+22	2,250870E+22	2,422663E+22
2822	2,527060E+22	2,536087E+22	2,504309E+22	2,504305E+22	2,536103E+22	2,527110E+22	2,422698E+22	2,250863E+22	2,114683E+22	2,114690E+22	2,250864E+22	2,422663E+22
2823	2,527051E+22	2,536059E+22	2,504280E+22	2,504288E+22	2,536053E+22	2,527025E+22	2,422645E+22	2,250846E+22	2,114670E+22	2,114679E+22	2,250865E+22	2,422662E+22
2824	2,527021E+22	2,535975E+22	2,504146E+22	2,504186E+22	2,536045E+22	2,527063E+22	2,422682E+22	2,250870E+22	2,114672E+22	2,114661E+22	2,250845E+22	2,422663E+22
2825	2,527065E+22	2,536077E+22	2,504284E+22	2,504303E+22	2,536137E+22	2,527132E+22	2,422700E+22	2,250857E+22	2,114663E+22	2,114670E+22	2,250869E+22	2,422686E+22
2826	2,527055E+22	2,536027E+22	2,504200E+22	2,504173E+22	2,535975E+22	2,527021E+22	2,422669E+22	2,250872E+22	2,114693E+22	2,114696E+22	2,250880E+22	2,422681E+22
2827	2,527048E+22	2,536015E+22	2,504198E+22	2,504200E+22	2,536012E+22	2,527064E+22	2,422733E+22	2,250922E+22	2,114715E+22	2,114693E+22	2,250859E+22	2,422668E+22
2828	2,527084E+22	2,536112E+22	2,504325E+22	2,504331E+22	2,536100E+22	2,527048E+22	2,422657E+22	2,250885E+22	2,114736E+22	2,114745E+22	2,250906E+22	2,422676E+22
2829	2,527041E+22	2,536036E+22	2,504215E+22	2,504188E+22	2,535993E+22	2,527005E+22	2,422632E+22	2,250874E+22	2,114746E+22	2,114766E+22	2,250929E+22	2,422699E+22
2830	2,527060E+22	2,536063E+22	2,504290E+22	2,504305E+22	2,536110E+22	2,527124E+22	2,422729E+22	2,250914E+22	2,114753E+22	2,114764E+22	2,250926E+22	2,422713E+22
2831	2,527094E+22	2,536097E+22	2,504319E+22	2,504330E+22	2,536093E+22	2,527060E+22	2,422694E+22	2,250931E+22	2,114781E+22	2,114782E+22	2,250935E+22	2,422704E+22
2832	2,527063E+22	2,536037E+22	2,504212E+22	2,504212E+22	2,536030E+22	2,527048E+22	2,422710E+22	2,250968E+22	2,114819E+22	2,114795E+22	2,250918E+22	2,422681E+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°
2833	2,527074E+22	2,536123E+22	2,504369E+22	2,504371E+22	2,536152E+22	2,527135E+22	2,422745E+22	2,250971E+22	2,114830E+22	2,114828E+22	2,250955E+22	2,422701E+22
2834	2,527058E+22	2,536076E+22	2,504312E+22	2,504299E+22	2,536044E+22	2,527030E+22	2,422690E+22	2,250963E+22	2,114850E+22	2,114859E+22	2,250982E+22	2,422704E+22
2835	2,527034E+22	2,536019E+22	2,504239E+22	2,504258E+22	2,536063E+22	2,527082E+22	2,422747E+22	2,250991E+22	2,114845E+22	2,114833E+22	2,250956E+22	2,422703E+22
2836	2,527074E+22	2,536105E+22	2,504352E+22	2,504377E+22	2,536166E+22	2,527120E+22	2,422717E+22	2,250952E+22	2,114825E+22	2,114838E+22	2,250979E+22	2,422724E+22
2837	2,527068E+22	2,536053E+22	2,504240E+22	2,504208E+22	2,535997E+22	2,527020E+22	2,422675E+22	2,250931E+22	2,114803E+22	2,114812E+22	2,250962E+22	2,422726E+22
2838	2,527081E+22	2,536064E+22	2,504273E+22	2,504274E+22	2,536068E+22	2,527092E+22	2,422742E+22	2,250960E+22	2,114794E+22	2,114776E+22	2,250916E+22	2,422701E+22
2839	2,527102E+22	2,536125E+22	2,504342E+22	2,504338E+22	2,536094E+22	2,527044E+22	2,422676E+22	2,250922E+22	2,114776E+22	2,114775E+22	2,250920E+22	2,422681E+22
2840	2,527043E+22	2,536037E+22	2,504222E+22	2,504200E+22	2,536003E+22	2,527004E+22	2,422644E+22	2,250895E+22	2,114752E+22	2,114747E+22	2,250895E+22	2,422663E+22
2841	2,527036E+22	2,536066E+22	2,504319E+22	2,504338E+22	2,536140E+22	2,527133E+22	2,422712E+22	2,250887E+22	2,114718E+22	2,114729E+22	2,250905E+22	2,422694E+22
2842	2,527055E+22	2,536044E+22	2,504263E+22	2,504277E+22	2,536057E+22	2,527044E+22	2,422671E+22	2,250881E+22	2,114716E+22	2,114728E+22	2,250904E+22	2,422688E+22
2843	2,527042E+22	2,535996E+22	2,504159E+22	2,504165E+22	2,536009E+22	2,527056E+22	2,422719E+22	2,250928E+22	2,114733E+22	2,114705E+22	2,250861E+22	2,422661E+22
2844	2,527063E+22	2,536088E+22	2,504306E+22	2,504309E+22	2,536122E+22	2,527112E+22	2,422710E+22	2,250914E+22	2,114746E+22	2,114738E+22	2,250892E+22	2,422672E+22
2845	2,527050E+22	2,536055E+22	2,504245E+22	2,504197E+22	2,535963E+22	2,526983E+22	2,422641E+22	2,250890E+22	2,114753E+22	2,114764E+22	2,250920E+22	2,422685E+22
2846	2,527039E+22	2,536026E+22	2,504243E+22	2,504254E+22	2,536040E+22	2,527047E+22	2,422701E+22	2,250934E+22	2,114779E+22	2,114770E+22	2,250909E+22	2,422680E+22
2847	2,527067E+22	2,536095E+22	2,504333E+22	2,504356E+22	2,536132E+22	2,527071E+22	2,422673E+22	2,250913E+22	2,114785E+22	2,114804E+22	2,250955E+22	2,422705E+22
2848	2,527048E+22	2,536031E+22	2,504224E+22	2,504209E+22	2,536012E+22	2,527020E+22	2,422659E+22	2,250916E+22	2,114793E+22	2,114803E+22	2,250946E+22	2,422702E+22
2849	2,527060E+22	2,536072E+22	2,504314E+22	2,504330E+22	2,536130E+22	2,527139E+22	2,422759E+22	2,250971E+22	2,114816E+22	2,114810E+22	2,250951E+22	2,422723E+22
2850	2,527096E+22	2,536108E+22	2,504334E+22	2,504333E+22	2,536089E+22	2,527060E+22	2,422711E+22	2,250984E+22	2,114864E+22	2,114862E+22	2,250977E+22	2,422708E+22
2851	2,527059E+22	2,536053E+22	2,504250E+22	2,504228E+22	2,536014E+22	2,527039E+22	2,422733E+22	2,251022E+22	2,114897E+22	2,114871E+22	2,250961E+22	2,422682E+22
2852	2,527048E+22	2,536102E+22	2,504382E+22	2,504403E+22	2,536172E+22	2,527132E+22	2,422746E+22	2,251011E+22	2,114905E+22	2,114906E+22	2,251007E+22	2,422716E+22
2853	2,527056E+22	2,536077E+22	2,504318E+22	2,504305E+22	2,536049E+22	2,527025E+22	2,422680E+22	2,250972E+22	2,114891E+22	2,114917E+22	2,251034E+22	2,422743E+22
2854	2,527059E+22	2,536034E+22	2,504254E+22	2,504270E+22	2,536066E+22	2,527076E+22	2,422743E+22	2,251014E+22	2,114892E+22	2,114881E+22	2,250989E+22	2,422724E+22
2855	2,527093E+22	2,536121E+22	2,504360E+22	2,504369E+22	2,536150E+22	2,527112E+22	2,422730E+22	2,250991E+22	2,114875E+22	2,114877E+22	2,250998E+22	2,422733E+22
2856	2,527082E+22	2,536076E+22	2,504277E+22	2,504234E+22	2,535992E+22	2,526999E+22	2,422669E+22	2,250956E+22	2,114847E+22	2,114843E+22	2,250960E+22	2,422702E+22
2857	2,527063E+22	2,536077E+22	2,504320E+22	2,504329E+22	2,536096E+22	2,527087E+22	2,422732E+22	2,250976E+22	2,114829E+22	2,114814E+22	2,250939E+22	2,422698E+22
2858	2,527077E+22	2,536107E+22	2,504348E+22	2,504361E+22	2,536120E+22	2,527057E+22	2,422673E+22	2,250939E+22	2,114822E+22	2,114830E+22	2,250959E+22	2,422691E+22
2859	2,527032E+22	2,536026E+22	2,504229E+22	2,504206E+22	2,536008E+22	2,527033E+22	2,422685E+22	2,250933E+22	2,114794E+22	2,114788E+22	2,250921E+22	2,422670E+22
2860	2,527023E+22	2,536039E+22	2,504304E+22	2,504338E+22	2,536145E+22	2,527148E+22	2,422748E+22	2,250946E+22	2,114783E+22	2,114779E+22	2,250925E+22	2,422693E+22
2861	2,527062E+22	2,536061E+22	2,504270E+22	2,504262E+22	2,536031E+22	2,527025E+22	2,422675E+22	2,250923E+22	2,114782E+22	2,114787E+22	2,250935E+22	2,422697E+22
2862	2,527054E+22	2,536023E+22	2,504196E+22	2,504183E+22	2,535993E+22	2,527024E+22	2,422700E+22	2,250962E+22	2,114813E+22	2,114783E+22	2,250900E+22	2,422661E+22
2863	2,527053E+22	2,536093E+22	2,504330E+22	2,504327E+22	2,536117E+22	2,527091E+22	2,422703E+22	2,250947E+22	2,114814E+22	2,114815E+22	2,250947E+22	2,422692E+22
2864	2,527047E+22	2,536052E+22	2,504273E+22	2,504244E+22	2,535989E+22	2,526973E+22	2,422622E+22	2,250901E+22	2,114798E+22	2,114817E+22	2,250958E+22	2,422700E+22
2865	2,527037E+22	2,536024E+22	2,504266E+22	2,504298E+22	2,536083E+22	2,527072E+22	2,422708E+22	2,250948E+22	2,114809E+22	2,114812E+22	2,250956E+22	2,422717E+22
2866	2,527082E+22	2,536097E+22	2,504333E+22	2,504358E+22	2,536143E+22	2,527095E+22	2,422704E+22	2,250957E+22	2,114838E+22	2,114854E+22	2,250989E+22	2,422726E+22
2867	2,527069E+22	2,536061E+22	2,504257E+22	2,504213E+22	2,535995E+22	2,527028E+22	2,422703E+22	2,250982E+22	2,114864E+22	2,114852E+22	2,250959E+22	2,422689E+22
2868	2,527047E+22	2,536075E+22	2,504341E+22	2,504356E+22	2,536133E+22	2,527136E+22	2,422780E+22	2,251037E+22	2,114910E+22	2,114888E+22	2,250974E+22	2,422698E+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	2,527077E+22	2,536122E+22	2,504368E+22	2,504360E+22	2,536089E+22	2,527040E+22	2,422699E+22	2,251014E+22	2,114937E+22	2,114944E+22	2,251028E+22	2,422715E+22
2870	2,527044E+22	2,536051E+22	2,504276E+22	2,504265E+22	2,536033E+22	2,527029E+22	2,422715E+22	2,251045E+22	2,114967E+22	2,114951E+22	2,251019E+22	2,422704E+22
2871	2,527040E+22	2,536081E+22	2,504369E+22	2,504403E+22	2,536182E+22	2,527150E+22	2,422768E+22	2,251045E+22	2,114957E+22	2,114965E+22	2,251059E+22	2,422755E+22
2872	2,527077E+22	2,536077E+22	2,504321E+22	2,504317E+22	2,536048E+22	2,527019E+22	2,422687E+22	2,251001E+22	2,114929E+22	2,114945E+22	2,251048E+22	2,422753E+22
2873	2,527076E+22	2,536057E+22	2,504280E+22	2,504290E+22	2,536070E+22	2,527071E+22	2,422745E+22	2,251042E+22	2,114932E+22	2,114916E+22	2,251011E+22	2,422735E+22
2874	2,527101E+22	2,536141E+22	2,504385E+22	2,504377E+22	2,536140E+22	2,527105E+22	2,422733E+22	2,251021E+22	2,114929E+22	2,114931E+22	2,251024E+22	2,422729E+22
2875	2,527075E+22	2,536095E+22	2,504320E+22	2,504262E+22	2,535984E+22	2,526994E+22	2,422681E+22	2,250988E+22	2,114897E+22	2,114891E+22	2,250980E+22	2,422687E+22
2876	2,527030E+22	2,536052E+22	2,504330E+22	2,504365E+22	2,536129E+22	2,527103E+22	2,422741E+22	2,251008E+22	2,114888E+22	2,114871E+22	2,250963E+22	2,422690E+22
2877	2,527066E+22	2,536102E+22	2,504346E+22	2,504365E+22	2,536129E+22	2,527069E+22	2,422680E+22	2,250954E+22	2,114859E+22	2,114877E+22	2,250995E+22	2,422711E+22
2878	2,527043E+22	2,536030E+22	2,504233E+22	2,504211E+22	2,536002E+22	2,527027E+22	2,422692E+22	2,250975E+22	2,114856E+22	2,114838E+22	2,250949E+22	2,422681E+22
2879	2,527029E+22	2,536042E+22	2,504299E+22	2,504322E+22	2,536120E+22	2,527136E+22	2,422765E+22	2,250998E+22	2,114852E+22	2,114837E+22	2,250955E+22	2,422702E+22
2880	2,527067E+22	2,536071E+22	2,504299E+22	2,504286E+22	2,536015E+22	2,526991E+22	2,422659E+22	2,250948E+22	2,114840E+22	2,114843E+22	2,250959E+22	2,422690E+22
2881	2,527042E+22	2,536033E+22	2,504239E+22	2,504236E+22	2,536017E+22	2,527013E+22	2,422678E+22	2,250969E+22	2,114854E+22	2,114843E+22	2,250954E+22	2,422682E+22
2882	2,527045E+22	2,536087E+22	2,504343E+22	2,504353E+22	2,536138E+22	2,527102E+22	2,422700E+22	2,250961E+22	2,114862E+22	2,114879E+22	2,251000E+22	2,422720E+22
2883	2,527056E+22	2,536059E+22	2,504293E+22	2,504261E+22	2,536002E+22	2,527005E+22	2,422661E+22	2,250939E+22	2,114843E+22	2,114860E+22	2,250983E+22	2,422710E+22
2884	2,527038E+22	2,536021E+22	2,504273E+22	2,504317E+22	2,536103E+22	2,527098E+22	2,422749E+22	2,251012E+22	2,114882E+22	2,114863E+22	2,250965E+22	2,422706E+22
2885	2,527092E+22	2,536126E+22	2,504353E+22	2,504360E+22	2,536132E+22	2,527092E+22	2,422720E+22	2,251008E+22	2,114916E+22	2,114921E+22	2,251019E+22	2,422726E+22
2886	2,527071E+22	2,536085E+22	2,504299E+22	2,504246E+22	2,535991E+22	2,527008E+22	2,422705E+22	2,251038E+22	2,114960E+22	2,114939E+22	2,251003E+22	2,422688E+22
2887	2,527026E+22	2,536065E+22	2,504352E+22	2,504374E+22	2,536132E+22	2,527122E+22	2,422784E+22	2,251083E+22	2,114993E+22	2,114977E+22	2,251037E+22	2,422718E+22
2888	2,527064E+22	2,536103E+22	2,504380E+22	2,504395E+22	2,536104E+22	2,527031E+22	2,422687E+22	2,251030E+22	2,114991E+22	2,115009E+22	2,251078E+22	2,422740E+22
2889	2,527050E+22	2,536050E+22	2,504287E+22	2,504291E+22	2,536058E+22	2,527043E+22	2,422717E+22	2,251051E+22	2,114992E+22	2,114997E+22	2,251071E+22	2,422744E+22
2890	2,527065E+22	2,536094E+22	2,504368E+22	2,504389E+22	2,536163E+22	2,527147E+22	2,422782E+22	2,251079E+22	2,115003E+22	2,115007E+22	2,251086E+22	2,422775E+22
2891	2,527107E+22	2,536119E+22	2,504358E+22	2,504321E+22	2,536025E+22	2,527012E+22	2,422708E+22	2,251044E+22	2,114981E+22	2,114979E+22	2,251047E+22	2,422733E+22
2892	2,527065E+22	2,536073E+22	2,504318E+22	2,504330E+22	2,536082E+22	2,527062E+22	2,422748E+22	2,251078E+22	2,114995E+22	2,114967E+22	2,251013E+22	2,422700E+22
2893	2,527078E+22	2,536154E+22	2,504417E+22	2,504412E+22	2,536152E+22	2,527096E+22	2,422720E+22	2,251033E+22	2,114976E+22	2,114988E+22	2,251058E+22	2,422725E+22
2894	2,527050E+22	2,536084E+22	2,504341E+22	2,504305E+22	2,536015E+22	2,527001E+22	2,422679E+22	2,251011E+22	2,114951E+22	2,114948E+22	2,251018E+22	2,422693E+22
2895	2,527007E+22	2,536018E+22	2,504302E+22	2,504358E+22	2,536137E+22	2,527128E+22	2,422776E+22	2,251050E+22	2,114939E+22	2,114924E+22	2,251003E+22	2,422709E+22
2896	2,527065E+22	2,536084E+22	2,504335E+22	2,504368E+22	2,536122E+22	2,527064E+22	2,422696E+22	2,250993E+22	2,114911E+22	2,114918E+22	2,251013E+22	2,422716E+22
2897	2,527051E+22	2,536045E+22	2,504247E+22	2,504220E+22	2,535999E+22	2,527018E+22	2,422694E+22	2,251001E+22	2,114904E+22	2,114894E+22	2,250991E+22	2,422699E+22
2898	2,527037E+22	2,536059E+22	2,504315E+22	2,504321E+22	2,536095E+22	2,527113E+22	2,422764E+22	2,251031E+22	2,114918E+22	2,114909E+22	2,251004E+22	2,422721E+22
2899	2,527076E+22	2,536095E+22	2,504337E+22	2,504313E+22	2,536012E+22	2,526981E+22	2,422659E+22	2,250973E+22	2,114892E+22	2,114901E+22	2,250997E+22	2,422699E+22
2900	2,527032E+22	2,536027E+22	2,504256E+22	2,504279E+22	2,536055E+22	2,527029E+22	2,422682E+22	2,250991E+22	2,114906E+22	2,114900E+22	2,250984E+22	2,422690E+22
2901	2,527057E+22	2,536105E+22	2,504356E+22	2,504367E+22	2,536149E+22	2,527119E+22	2,422715E+22	2,250981E+22	2,114900E+22	2,114926E+22	2,251035E+22	2,422741E+22
2902	2,527075E+22	2,536085E+22	2,504320E+22	2,504285E+22	2,536003E+22	2,527002E+22	2,422681E+22	2,250995E+22	2,114914E+22	2,114910E+22	2,251001E+22	2,422706E+22
2903	2,527036E+22	2,536033E+22	2,504285E+22	2,504320E+22	2,536094E+22	2,527098E+22	2,422780E+22	2,251080E+22	2,114970E+22	2,114935E+22	2,250992E+22	2,422695E+22
2904	2,527074E+22	2,536127E+22	2,504390E+22	2,504403E+22	2,536133E+22	2,527068E+22	2,422714E+22	2,251044E+22	2,114990E+22	2,114992E+22	2,251048E+22	2,422711E+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	2,527044E+22	2,536080E+22	2,504327E+22	2,504295E+22	2,536019E+22	2,527003E+22	2,422694E+22	2,251055E+22	2,115014E+22	2,115017E+22	2,251071E+22	2,422712E+22
2906	2,527012E+22	2,536048E+22	2,504347E+22	2,504381E+22	2,536140E+22	2,527131E+22	2,422794E+22	2,251111E+22	2,115050E+22	2,115050E+22	2,251101E+22	2,422757E+22
2907	2,527079E+22	2,536110E+22	2,504387E+22	2,504394E+22	2,536099E+22	2,527046E+22	2,422716E+22	2,251066E+22	2,115036E+22	2,115055E+22	2,251109E+22	2,422757E+22
2908	2,527060E+22	2,536060E+22	2,504297E+22	2,504304E+22	2,536065E+22	2,527051E+22	2,422739E+22	2,251098E+22	2,115055E+22	2,115044E+22	2,251080E+22	2,422739E+22
2909	2,527084E+22	2,536136E+22	2,504399E+22	2,504396E+22	2,536148E+22	2,527130E+22	2,422781E+22	2,251106E+22	2,115058E+22	2,115061E+22	2,251110E+22	2,422772E+22
2910	2,527108E+22	2,536147E+22	2,504408E+22	2,504366E+22	2,536030E+22	2,526988E+22	2,422700E+22	2,251082E+22	2,115049E+22	2,115039E+22	2,251073E+22	2,422720E+22
2911	2,527037E+22	2,536060E+22	2,504330E+22	2,504359E+22	2,536100E+22	2,527064E+22	2,422755E+22	2,251113E+22	2,115056E+22	2,115031E+22	2,251055E+22	2,422704E+22
2912	2,527050E+22	2,536123E+22	2,504421E+22	2,504447E+22	2,536178E+22	2,527102E+22	2,422720E+22	2,251044E+22	2,115012E+22	2,115033E+22	2,251090E+22	2,422737E+22
2913	2,527044E+22	2,536071E+22	2,504335E+22	2,504318E+22	2,536038E+22	2,527023E+22	2,422699E+22	2,251027E+22	2,114974E+22	2,114989E+22	2,251066E+22	2,422725E+22
2914	2,527022E+22	2,536021E+22	2,504285E+22	2,504327E+22	2,536107E+22	2,527122E+22	2,422802E+22	2,251096E+22	2,114994E+22	2,114972E+22	2,251036E+22	2,422730E+22
2915	2,527086E+22	2,536116E+22	2,504356E+22	2,504357E+22	2,536090E+22	2,527048E+22	2,422709E+22	2,251036E+22	2,114971E+22	2,114968E+22	2,251029E+22	2,422706E+22
2916	2,527044E+22	2,536061E+22	2,504281E+22	2,504253E+22	2,536006E+22	2,527001E+22	2,422686E+22	2,251029E+22	2,114967E+22	2,114955E+22	2,251009E+22	2,422685E+22
2917	2,527034E+22	2,536082E+22	2,504348E+22	2,504350E+22	2,536100E+22	2,527092E+22	2,422741E+22	2,251035E+22	2,114962E+22	2,114970E+22	2,251050E+22	2,422737E+22
2918	2,527074E+22	2,536103E+22	2,504369E+22	2,504360E+22	2,536043E+22	2,526984E+22	2,422660E+22	2,250998E+22	2,114941E+22	2,114951E+22	2,251033E+22	2,422712E+22
2919	2,527026E+22	2,536018E+22	2,504253E+22	2,504289E+22	2,536070E+22	2,527051E+22	2,422719E+22	2,251038E+22	2,114959E+22	2,114948E+22	2,251013E+22	2,422699E+22
2920	2,527051E+22	2,536100E+22	2,504370E+22	2,504388E+22	2,536151E+22	2,527117E+22	2,422737E+22	2,251028E+22	2,114961E+22	2,114972E+22	2,251048E+22	2,422732E+22
2921	2,527071E+22	2,536102E+22	2,504349E+22	2,504313E+22	2,536018E+22	2,527005E+22	2,422696E+22	2,251033E+22	2,114978E+22	2,114982E+22	2,251047E+22	2,422707E+22
2922	2,527021E+22	2,536036E+22	2,504298E+22	2,504322E+22	2,536076E+22	2,527081E+22	2,422790E+22	2,251130E+22	2,115055E+22	2,115025E+22	2,251052E+22	2,422710E+22
2923	2,527063E+22	2,536129E+22	2,504411E+22	2,504423E+22	2,536139E+22	2,527065E+22	2,422719E+22	2,251082E+22	2,115062E+22	2,115070E+22	2,251101E+22	2,422727E+22
2924	2,527032E+22	2,536066E+22	2,504334E+22	2,504326E+22	2,536052E+22	2,527017E+22	2,422700E+22	2,251080E+22	2,115073E+22	2,115084E+22	2,251113E+22	2,422737E+22
2925	2,527037E+22	2,536068E+22	2,504354E+22	2,504379E+22	2,536131E+22	2,527125E+22	2,422802E+22	2,251133E+22	2,115092E+22	2,115102E+22	2,251145E+22	2,422791E+22
2926	2,527111E+22	2,536147E+22	2,504421E+22	2,504412E+22	2,536092E+22	2,527026E+22	2,422725E+22	2,251115E+22	2,115097E+22	2,115097E+22	2,251126E+22	2,422757E+22
2927	2,527065E+22	2,536082E+22	2,504325E+22	2,504317E+22	2,536058E+22	2,527041E+22	2,422752E+22	2,251143E+22	2,115121E+22	2,115100E+22	2,251100E+22	2,422724E+22
2928	2,527060E+22	2,536139E+22	2,504444E+22	2,504448E+22	2,536158E+22	2,527109E+22	2,422771E+22	2,251125E+22	2,115107E+22	2,115112E+22	2,251129E+22	2,422753E+22
2929	2,527077E+22	2,536140E+22	2,504434E+22	2,504418E+22	2,536079E+22	2,527002E+22	2,422698E+22	2,251087E+22	2,115082E+22	2,115096E+22	2,251124E+22	2,422730E+22
2930	2,527014E+22	2,536034E+22	2,504314E+22	2,504356E+22	2,536113E+22	2,527086E+22	2,422782E+22	2,251147E+22	2,115105E+22	2,115086E+22	2,251101E+22	2,422730E+22
2931	2,527053E+22	2,536115E+22	2,504410E+22	2,504432E+22	2,536177E+22	2,527122E+22	2,422757E+22	2,251091E+22	2,115059E+22	2,115070E+22	2,251111E+22	2,422746E+22
2932	2,527048E+22	2,536072E+22	2,504332E+22	2,504314E+22	2,536037E+22	2,527024E+22	2,422723E+22	2,251079E+22	2,115040E+22	2,115038E+22	2,251078E+22	2,422726E+22
2933	2,527043E+22	2,536057E+22	2,504308E+22	2,504317E+22	2,536073E+22	2,527087E+22	2,422795E+22	2,251126E+22	2,115054E+22	2,115036E+22	2,251076E+22	2,422742E+22
2934	2,527094E+22	2,536147E+22	2,504405E+22	2,504390E+22	2,536078E+22	2,527003E+22	2,422692E+22	2,251069E+22	2,115034E+22	2,115030E+22	2,251068E+22	2,422710E+22
2935	2,527028E+22	2,536060E+22	2,504302E+22	2,504283E+22	2,536025E+22	2,526996E+22	2,422680E+22	2,251049E+22	2,115019E+22	2,115017E+22	2,251056E+22	2,422699E+22
2936	2,527018E+22	2,536069E+22	2,504371E+22	2,504394E+22	2,536130E+22	2,527095E+22	2,422733E+22	2,251035E+22	2,114986E+22	2,115006E+22	2,251077E+22	2,422748E+22
2937	2,527077E+22	2,536107E+22	2,504380E+22	2,504385E+22	2,536077E+22	2,527008E+22	2,422681E+22	2,251015E+22	2,114966E+22	2,114988E+22	2,251068E+22	2,422727E+22
2938	2,527032E+22	2,536028E+22	2,504257E+22	2,504278E+22	2,536056E+22	2,527053E+22	2,422755E+22	2,251102E+22	2,115030E+22	2,115002E+22	2,251038E+22	2,422701E+22
2939	2,527050E+22	2,536119E+22	2,504396E+22	2,504395E+22	2,536143E+22	2,527112E+22	2,422757E+22	2,251085E+22	2,115039E+22	2,115036E+22	2,251068E+22	2,422711E+22
2940	2,527042E+22	2,536099E+22	2,504378E+22	2,504351E+22	2,536040E+22	2,527001E+22	2,422703E+22	2,251079E+22	2,115061E+22	2,115064E+22	2,251083E+22	2,422703E+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	2,527011E+22	2,536041E+22	2,504316E+22	2,504340E+22	2,536081E+22	2,527068E+22	2,422780E+22	2,251150E+22	2,115118E+22	2,115108E+22	2,251120E+22	2,422743E+22
2942	2,527065E+22	2,536129E+22	2,504427E+22	2,504447E+22	2,536152E+22	2,527061E+22	2,422728E+22	2,251120E+22	2,115121E+22	2,115133E+22	2,251152E+22	2,422756E+22
2943	2,527041E+22	2,536065E+22	2,504332E+22	2,504326E+22	2,536056E+22	2,527027E+22	2,422729E+22	2,251128E+22	2,115132E+22	2,115138E+22	2,251149E+22	2,422757E+22
2944	2,527047E+22	2,536083E+22	2,504383E+22	2,504402E+22	2,536126E+22	2,527105E+22	2,422802E+22	2,251166E+22	2,115145E+22	2,115145E+22	2,251161E+22	2,422790E+22
2945	2,527118E+22	2,536176E+22	2,504463E+22	2,504448E+22	2,536110E+22	2,527025E+22	2,422729E+22	2,251137E+22	2,115145E+22	2,115157E+22	2,251165E+22	2,422757E+22
2946	2,527052E+22	2,536091E+22	2,504354E+22	2,504336E+22	2,536056E+22	2,527030E+22	2,422763E+22	2,251187E+22	2,115187E+22	2,115167E+22	2,251143E+22	2,422731E+22
2947	2,527043E+22	2,536132E+22	2,504461E+22	2,504472E+22	2,536183E+22	2,527122E+22	2,422780E+22	2,251156E+22	2,115161E+22	2,115166E+22	2,251161E+22	2,422756E+22
2948	2,527058E+22	2,536119E+22	2,504433E+22	2,504439E+22	2,536116E+22	2,527033E+22	2,422721E+22	2,251118E+22	2,115130E+22	2,115144E+22	2,251148E+22	2,422745E+22
2949	2,527032E+22	2,536045E+22	2,504308E+22	2,504331E+22	2,536090E+22	2,527079E+22	2,422798E+22	2,251181E+22	2,115150E+22	2,115133E+22	2,251138E+22	2,422757E+22
2950	2,527076E+22	2,536139E+22	2,504430E+22	2,504431E+22	2,536153E+22	2,527092E+22	2,422765E+22	2,251146E+22	2,115124E+22	2,115115E+22	2,251128E+22	2,422746E+22
2951	2,527049E+22	2,536087E+22	2,504356E+22	2,504322E+22	2,536021E+22	2,526998E+22	2,422717E+22	2,251113E+22	2,115102E+22	2,115097E+22	2,251105E+22	2,422719E+22
2952	2,527019E+22	2,536058E+22	2,504353E+22	2,504364E+22	2,536075E+22	2,527047E+22	2,422760E+22	2,251127E+22	2,115091E+22	2,115085E+22	2,251105E+22	2,422740E+22
2953	2,527077E+22	2,536144E+22	2,504436E+22	2,504440E+22	2,536125E+22	2,527016E+22	2,422679E+22	2,251058E+22	2,115053E+22	2,115079E+22	2,251118E+22	2,422728E+22
2954	2,527017E+22	2,536046E+22	2,504301E+22	2,504287E+22	2,536038E+22	2,527018E+22	2,422706E+22	2,251078E+22	2,115057E+22	2,115060E+22	2,251091E+22	2,422721E+22
2955	2,527023E+22	2,536068E+22	2,504370E+22	2,504393E+22	2,536145E+22	2,527122E+22	2,422770E+22	2,251086E+22	2,115036E+22	2,115040E+22	2,251085E+22	2,422743E+22
2956	2,527073E+22	2,536113E+22	2,504392E+22	2,504398E+22	2,536097E+22	2,527027E+22	2,422713E+22	2,251076E+22	2,115042E+22	2,115042E+22	2,251075E+22	2,422718E+22
2957	2,527038E+22	2,536050E+22	2,504281E+22	2,504275E+22	2,536033E+22	2,527032E+22	2,422764E+22	2,251151E+22	2,115111E+22	2,115084E+22	2,251088E+22	2,422712E+22
2958	2,527043E+22	2,536126E+22	2,504432E+22	2,504427E+22	2,536140E+22	2,527080E+22	2,422757E+22	2,251141E+22	2,115123E+22	2,115117E+22	2,251122E+22	2,422725E+22
2959	2,527024E+22	2,536083E+22	2,504385E+22	2,504371E+22	2,536056E+22	2,527000E+22	2,422704E+22	2,251114E+22	2,115133E+22	2,115148E+22	2,251150E+22	2,422734E+22
2960	2,527004E+22	2,536030E+22	2,504335E+22	2,504365E+22	2,536090E+22	2,527059E+22	2,422773E+22	2,251161E+22	2,115156E+22	2,115162E+22	2,251168E+22	2,422777E+22
2961	2,527090E+22	2,536150E+22	2,504448E+22	2,504462E+22	2,536165E+22	2,527070E+22	2,422741E+22	2,251140E+22	2,115156E+22	2,115181E+22	2,251193E+22	2,422780E+22
2962	2,527062E+22	2,536095E+22	2,504357E+22	2,504324E+22	2,536037E+22	2,527017E+22	2,422750E+22	2,251183E+22	2,115200E+22	2,115190E+22	2,251171E+22	2,422759E+22
2963	2,527056E+22	2,536114E+22	2,504426E+22	2,504429E+22	2,536134E+22	2,527099E+22	2,422805E+22	2,251207E+22	2,115210E+22	2,115196E+22	2,251170E+22	2,422764E+22
2964	2,527091E+22	2,536178E+22	2,504500E+22	2,504499E+22	2,536152E+22	2,527037E+22	2,422736E+22	2,251174E+22	2,115210E+22	2,115216E+22	2,251185E+22	2,422748E+22
2965	2,527036E+22	2,536086E+22	2,504371E+22	2,504357E+22	2,536074E+22	2,527037E+22	2,422768E+22	2,251212E+22	2,115241E+22	2,115233E+22	2,251196E+22	2,422754E+22
2966	2,527035E+22	2,536116E+22	2,504466E+22	2,504488E+22	2,536191E+22	2,527125E+22	2,422803E+22	2,251205E+22	2,115215E+22	2,115215E+22	2,251195E+22	2,422770E+22
2967	2,527053E+22	2,536103E+22	2,504418E+22	2,504426E+22	2,536110E+22	2,527042E+22	2,422751E+22	2,251173E+22	2,115195E+22	2,115199E+22	2,251181E+22	2,422756E+22
2968	2,527029E+22	2,536050E+22	2,504328E+22	2,504336E+22	2,536069E+22	2,527049E+22	2,422786E+22	2,251204E+22	2,115199E+22	2,115179E+22	2,251159E+22	2,422760E+22
2969	2,527083E+22	2,536160E+22	2,504460E+22	2,504447E+22	2,536150E+22	2,527072E+22	2,422749E+22	2,251152E+22	2,115165E+22	2,115176E+22	2,251172E+22	2,422754E+22
2970	2,527042E+22	2,536092E+22	2,504379E+22	2,504338E+22	2,536014E+22	2,526977E+22	2,422710E+22	2,251139E+22	2,115154E+22	2,115153E+22	2,251148E+22	2,422738E+22
2971	2,527017E+22	2,536056E+22	2,504368E+22	2,504393E+22	2,536108E+22	2,527057E+22	2,422749E+22	2,251134E+22	2,115123E+22	2,115122E+22	2,251130E+22	2,422749E+22
2972	2,527071E+22	2,536136E+22	2,504442E+22	2,504464E+22	2,536167E+22	2,527055E+22	2,422705E+22	2,251084E+22	2,115086E+22	2,115107E+22	2,251130E+22	2,422741E+22
2973	2,527040E+22	2,536062E+22	2,504311E+22	2,504279E+22	2,536026E+22	2,527022E+22	2,422732E+22	2,251123E+22	2,115107E+22	2,115102E+22	2,251116E+22	2,422733E+22
2974	2,527035E+22	2,536088E+22	2,504398E+22	2,504403E+22	2,536127E+22	2,527102E+22	2,422793E+22	2,251157E+22	2,115116E+22	2,115093E+22	2,251097E+22	2,422725E+22
2975	2,527054E+22	2,536115E+22	2,504415E+22	2,504413E+22	2,536092E+22	2,527017E+22	2,422724E+22	2,251133E+22	2,115131E+22	2,115124E+22	2,251114E+22	2,422706E+22
2976	2,527002E+22	2,536040E+22	2,504319E+22	2,504315E+22	2,536036E+22	2,527003E+22	2,422739E+22	2,251169E+22	2,115172E+22	2,115158E+22	2,251139E+22	2,422725E+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	2,527033E+22	2,536118E+22	2,504447E+22	2,504459E+22	2,536172E+22	2,527091E+22	2,422751E+22	2,251146E+22	2,115168E+22	2,115192E+22	2,251191E+22	2,422761E+22
2978	2,527030E+22	2,536075E+22	2,504384E+22	2,504371E+22	2,536055E+22	2,527008E+22	2,422728E+22	2,251156E+22	2,115189E+22	2,115206E+22	2,251199E+22	2,422772E+22
2979	2,527030E+22	2,536047E+22	2,504345E+22	2,504371E+22	2,536098E+22	2,527066E+22	2,422788E+22	2,251206E+22	2,115213E+22	2,115205E+22	2,251186E+22	2,422781E+22
2980	2,527102E+22	2,536177E+22	2,504483E+22	2,504488E+22	2,536183E+22	2,527082E+22	2,422762E+22	2,251190E+22	2,115226E+22	2,115232E+22	2,251203E+22	2,422775E+22
2981	2,527074E+22	2,536128E+22	2,504403E+22	2,504344E+22	2,536024E+22	2,526998E+22	2,422753E+22	2,251223E+22	2,115271E+22	2,115264E+22	2,251213E+22	2,422763E+22
2982	2,527044E+22	2,536121E+22	2,504468E+22	2,504476E+22	2,536149E+22	2,527084E+22	2,422811E+22	2,251259E+22	2,115284E+22	2,115264E+22	2,251206E+22	2,422762E+22
2983	2,527063E+22	2,536154E+22	2,504505E+22	2,504527E+22	2,536185E+22	2,527059E+22	2,422747E+22	2,251206E+22	2,115273E+22	2,115285E+22	2,251233E+22	2,422760E+22
2984	2,527014E+22	2,536062E+22	2,504374E+22	2,504370E+22	2,536076E+22	2,527037E+22	2,422771E+22	2,251228E+22	2,115275E+22	2,115277E+22	2,251233E+22	2,422779E+22
2985	2,527050E+22	2,536120E+22	2,504464E+22	2,504484E+22	2,536189E+22	2,527131E+22	2,422819E+22	2,251228E+22	2,115253E+22	2,115261E+22	2,251230E+22	2,422788E+22
2986	2,527066E+22	2,536117E+22	2,504427E+22	2,504410E+22	2,536073E+22	2,527017E+22	2,422759E+22	2,251218E+22	2,115258E+22	2,115251E+22	2,251207E+22	2,422763E+22
2987	2,527036E+22	2,536070E+22	2,504356E+22	2,504355E+22	2,536067E+22	2,527027E+22	2,422765E+22	2,251222E+22	2,115249E+22	2,115227E+22	2,251176E+22	2,422747E+22
2988	2,527067E+22	2,536166E+22	2,504492E+22	2,504491E+22	2,536182E+22	2,527079E+22	2,422741E+22	2,251165E+22	2,115206E+22	2,115217E+22	2,251192E+22	2,422759E+22
2989	2,527043E+22	2,536094E+22	2,504396E+22	2,504358E+22	2,536027E+22	2,526985E+22	2,422711E+22	2,251151E+22	2,115188E+22	2,115199E+22	2,251186E+22	2,422759E+22
2990	2,527023E+22	2,536054E+22	2,504380E+22	2,504413E+22	2,536119E+22	2,527069E+22	2,422781E+22	2,251183E+22	2,115168E+22	2,115152E+22	2,251141E+22	2,422749E+22
2991	2,527067E+22	2,536130E+22	2,504439E+22	2,504465E+22	2,536172E+22	2,527075E+22	2,422741E+22	2,251145E+22	2,115155E+22	2,115158E+22	2,251147E+22	2,422732E+22
2992	2,527023E+22	2,536067E+22	2,504339E+22	2,504294E+22	2,536010E+22	2,527003E+22	2,422734E+22	2,251163E+22	2,115174E+22	2,115163E+22	2,251144E+22	2,422730E+22
2993	2,527028E+22	2,536096E+22	2,504424E+22	2,504425E+22	2,536127E+22	2,527092E+22	2,422792E+22	2,251184E+22	2,115184E+22	2,115179E+22	2,251153E+22	2,422733E+22
2994	2,527037E+22	2,536106E+22	2,504429E+22	2,504427E+22	2,536085E+22	2,527001E+22	2,422724E+22	2,251174E+22	2,115210E+22	2,115212E+22	2,251179E+22	2,422738E+22
2995	2,527005E+22	2,536035E+22	2,504325E+22	2,504339E+22	2,536064E+22	2,527009E+22	2,422727E+22	2,251183E+22	2,115223E+22	2,115221E+22	2,251186E+22	2,422752E+22
2996	2,527047E+22	2,536124E+22	2,504456E+22	2,504474E+22	2,536193E+22	2,527116E+22	2,422773E+22	2,251178E+22	2,115214E+22	2,115233E+22	2,251219E+22	2,422793E+22
2997	2,527072E+22	2,536110E+22	2,504409E+22	2,504374E+22	2,536039E+22	2,526999E+22	2,422744E+22	2,251201E+22	2,115248E+22	2,115256E+22	2,251229E+22	2,422791E+22
2998	2,527056E+22	2,536088E+22	2,504397E+22	2,504403E+22	2,536088E+22	2,527042E+22	2,422798E+22	2,251262E+22	2,115285E+22	2,115257E+22	2,251194E+22	2,422760E+22
2999	2,527083E+22	2,536185E+22	2,504521E+22	2,504526E+22	2,536196E+22	2,527084E+22	2,422772E+22	2,251236E+22	2,115305E+22	2,115308E+22	2,251236E+22	2,422753E+22