

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-3000	4,644804E+08	2,257579E+08	1,083130E+08	1,083194E+08	2,257746E+08	4,644927E+08	7,800788E+08	1,087957E+09	1,286059E+09	1,286045E+09	1,087915E+09	7,800274E+08
-2999	4,644544E+08	2,257587E+08	1,083214E+08	1,083210E+08	2,257624E+08	4,644676E+08	7,800469E+08	1,087922E+09	1,286027E+09	1,286032E+09	1,087937E+09	7,800697E+08
-2998	4,644999E+08	2,257906E+08	1,083389E+08	1,083384E+08	2,257858E+08	4,644887E+08	7,800511E+08	1,087904E+09	1,285994E+09	1,286004E+09	1,087926E+09	7,800586E+08
-2997	4,644788E+08	2,257818E+08	1,083459E+08	1,083524E+08	2,258018E+08	4,645079E+08	7,800757E+08	1,087922E+09	1,285982E+09	1,285947E+09	1,087851E+09	7,800205E+08
-2996	4,644862E+08	2,258060E+08	1,083665E+08	1,083610E+08	2,257913E+08	4,644711E+08	7,800205E+08	1,087871E+09	1,285961E+09	1,285970E+09	1,087898E+09	7,800676E+08
-2995	4,645240E+08	2,258276E+08	1,083816E+08	1,083835E+08	2,258268E+08	4,645091E+08	7,800444E+08	1,087874E+09	1,285940E+09	1,285938E+09	1,087862E+09	7,800189E+08
-2994	4,644814E+08	2,258133E+08	1,083852E+08	1,083896E+08	2,258292E+08	4,645093E+08	7,800416E+08	1,087861E+09	1,285916E+09	1,285900E+09	1,087833E+09	7,800239E+08
-2993	4,645089E+08	2,258402E+08	1,083992E+08	1,083929E+08	2,258219E+08	4,644866E+08	7,800039E+08	1,087820E+09	1,285896E+09	1,285924E+09	1,087884E+09	7,800684E+08
-2992	4,645233E+08	2,258333E+08	1,083952E+08	1,084008E+08	2,258469E+08	4,645290E+08	7,800536E+08	1,087857E+09	1,285902E+09	1,285895E+09	1,087827E+09	7,800059E+08
-2991	4,644857E+08	2,258203E+08	1,083891E+08	1,083880E+08	2,258211E+08	4,644985E+08	7,800342E+08	1,087856E+09	1,285911E+09	1,285904E+09	1,087849E+09	7,800420E+08
-2990	4,645211E+08	2,258396E+08	1,083907E+08	1,083849E+08	2,258198E+08	4,644945E+08	7,800240E+08	1,087851E+09	1,285927E+09	1,285937E+09	1,087879E+09	7,800506E+08
-2989	4,644991E+08	2,258129E+08	1,083768E+08	1,083812E+08	2,258267E+08	4,645176E+08	7,800636E+08	1,087897E+09	1,285960E+09	1,285935E+09	1,087838E+09	7,800066E+08
-2988	4,644788E+08	2,258039E+08	1,083667E+08	1,083616E+08	2,257933E+08	4,644750E+08	7,800243E+08	1,087878E+09	1,285977E+09	1,285995E+09	1,087918E+09	7,800673E+08
-2987	4,645092E+08	2,258074E+08	1,083582E+08	1,083578E+08	2,258032E+08	4,645000E+08	7,800573E+08	1,087907E+09	1,285993E+09	1,286001E+09	1,087918E+09	7,800466E+08
-2986	4,644661E+08	2,257718E+08	1,083375E+08	1,083427E+08	2,257906E+08	4,644996E+08	7,800768E+08	1,087939E+09	1,286017E+09	1,285991E+09	1,087886E+09	7,800367E+08
-2985	4,644784E+08	2,257824E+08	1,083358E+08	1,083284E+08	2,257625E+08	4,644574E+08	7,800296E+08	1,087907E+09	1,286023E+09	1,286040E+09	1,087952E+09	7,800885E+08
-2984	4,645041E+08	2,257824E+08	1,083316E+08	1,083338E+08	2,257837E+08	4,644923E+08	7,800671E+08	1,087935E+09	1,286033E+09	1,286031E+09	1,087914E+09	7,800291E+08
-2983	4,644582E+08	2,257642E+08	1,083263E+08	1,083270E+08	2,257689E+08	4,644735E+08	7,800529E+08	1,087928E+09	1,286026E+09	1,286017E+09	1,087914E+09	7,800505E+08
-2982	4,644887E+08	2,257909E+08	1,083402E+08	1,083350E+08	2,257743E+08	4,644665E+08	7,800236E+08	1,087886E+09	1,285998E+09	1,286018E+09	1,087939E+09	7,800777E+08
-2981	4,644917E+08	2,257830E+08	1,083426E+08	1,083495E+08	2,258026E+08	4,645095E+08	7,800719E+08	1,087916E+09	1,285989E+09	1,285970E+09	1,087867E+09	7,800166E+08
-2980	4,644690E+08	2,257853E+08	1,083509E+08	1,083502E+08	2,257872E+08	4,644782E+08	7,800358E+08	1,087884E+09	1,285965E+09	1,285967E+09	1,087894E+09	7,800587E+08
-2979	4,645144E+08	2,258204E+08	1,083714E+08	1,083694E+08	2,258099E+08	4,644972E+08	7,800437E+08	1,087879E+09	1,285944E+09	1,285942E+09	1,087878E+09	7,800416E+08
-2978	4,644890E+08	2,258086E+08	1,083777E+08	1,083844E+08	2,258293E+08	4,645182E+08	7,800620E+08	1,087888E+09	1,285936E+09	1,285900E+09	1,087811E+09	7,800000E+08
-2977	4,644929E+08	2,258328E+08	1,083980E+08	1,083924E+08	2,258188E+08	4,644805E+08	7,799990E+08	1,087820E+09	1,285897E+09	1,285916E+09	1,087866E+09	7,800577E+08
-2976	4,645339E+08	2,258527E+08	1,084115E+08	1,084140E+08	2,258553E+08	4,645243E+08	7,800302E+08	1,087823E+09	1,285875E+09	1,285885E+09	1,087831E+09	7,800109E+08
-2975	4,644921E+08	2,258359E+08	1,084119E+08	1,084167E+08	2,258533E+08	4,645219E+08	7,800335E+08	1,087826E+09	1,285857E+09	1,285844E+09	1,087801E+09	7,800170E+08
-2974	4,645204E+08	2,258620E+08	1,084236E+08	1,084182E+08	2,258461E+08	4,644992E+08	7,799946E+08	1,087784E+09	1,285835E+09	1,285856E+09	1,087836E+09	7,800554E+08
-2973	4,645363E+08	2,258582E+08	1,084215E+08	1,084257E+08	2,258678E+08	4,645389E+08	7,800471E+08	1,087831E+09	1,285856E+09	1,285838E+09	1,087782E+09	7,799906E+08
-2972	4,644956E+08	2,258432E+08	1,084145E+08	1,084123E+08	2,258400E+08	4,645024E+08	7,800195E+08	1,087825E+09	1,285871E+09	1,285867E+09	1,087822E+09	7,800291E+08
-2971	4,645258E+08	2,258598E+08	1,084159E+08	1,084098E+08	2,258404E+08	4,645028E+08	7,800171E+08	1,087828E+09	1,285889E+09	1,285899E+09	1,087852E+09	7,800394E+08
-2970	4,645018E+08	2,258276E+08	1,083974E+08	1,084036E+08	2,258484E+08	4,645307E+08	7,800583E+08	1,087869E+09	1,285921E+09	1,285902E+09	1,087816E+09	7,799970E+08
-2969	4,644828E+08	2,258185E+08	1,083848E+08	1,083800E+08	2,258095E+08	4,644821E+08	7,800137E+08	1,087842E+09	1,285924E+09	1,285947E+09	1,087892E+09	7,800650E+08
-2968	4,645216E+08	2,258256E+08	1,083773E+08	1,083760E+08	2,258181E+08	4,645052E+08	7,800454E+08	1,087875E+09	1,285948E+09	1,285958E+09	1,087888E+09	7,800398E+08
-2967	4,644798E+08	2,257934E+08	1,083591E+08	1,083622E+08	2,258042E+08	4,644995E+08	7,800608E+08	1,087910E+09	1,285978E+09	1,285950E+09	1,087856E+09	7,800263E+08
-2966	4,644888E+08	2,258050E+08	1,083605E+08	1,083531E+08	2,257840E+08	4,644622E+08	7,800085E+08	1,087862E+09	1,285965E+09	1,285984E+09	1,087911E+09	7,800741E+08
-2965	4,645145E+08	2,258078E+08	1,083605E+08	1,083624E+08	2,258097E+08	4,645048E+08	7,800540E+08	1,087893E+09	1,285973E+09	1,285971E+09	1,087875E+09	7,800160E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2964	4,644666E+08	2,257873E+08	1,083546E+08	1,083562E+08	2,257956E+08	4,644878E+08	7,800430E+08	1,087887E+09	1,285963E+09	1,285959E+09	1,087880E+09	7,800403E+08
-2963	4,644966E+08	2,258138E+08	1,083691E+08	1,083645E+08	2,258008E+08	4,644839E+08	7,800272E+08	1,087863E+09	1,285941E+09	1,285953E+09	1,087893E+09	7,800623E+08
-2962	4,645002E+08	2,258049E+08	1,083697E+08	1,083779E+08	2,258290E+08	4,645255E+08	7,800704E+08	1,087893E+09	1,285944E+09	1,285916E+09	1,087822E+09	7,799960E+08
-2961	4,644771E+08	2,258110E+08	1,083799E+08	1,083783E+08	2,258100E+08	4,644853E+08	7,800203E+08	1,087846E+09	1,285911E+09	1,285913E+09	1,087855E+09	7,800457E+08
-2960	4,645271E+08	2,258483E+08	1,084030E+08	1,084003E+08	2,258354E+08	4,645038E+08	7,800213E+08	1,087831E+09	1,285891E+09	1,285898E+09	1,087845E+09	7,800296E+08
-2959	4,645009E+08	2,258358E+08	1,084093E+08	1,084158E+08	2,258556E+08	4,645255E+08	7,800395E+08	1,087839E+09	1,285875E+09	1,285851E+09	1,087785E+09	7,799936E+08
-2958	4,645043E+08	2,258579E+08	1,084281E+08	1,084242E+08	2,258492E+08	4,644948E+08	7,799805E+08	1,087762E+09	1,285813E+09	1,285841E+09	1,087825E+09	7,800512E+08
-2957	4,645493E+08	2,258796E+08	1,084415E+08	1,084436E+08	2,258819E+08	4,645395E+08	7,800226E+08	1,087781E+09	1,285800E+09	1,285806E+09	1,087782E+09	7,800005E+08
-2956	4,645069E+08	2,258621E+08	1,084398E+08	1,084436E+08	2,258758E+08	4,645316E+08	7,800245E+08	1,087792E+09	1,285798E+09	1,285781E+09	1,087758E+09	7,800038E+08
-2955	4,645320E+08	2,258878E+08	1,084518E+08	1,084447E+08	2,258670E+08	4,645090E+08	7,799932E+08	1,087766E+09	1,285795E+09	1,285802E+09	1,087789E+09	7,800337E+08
-2954	4,645415E+08	2,258785E+08	1,084465E+08	1,084512E+08	2,258905E+08	4,645495E+08	7,800398E+08	1,087809E+09	1,285826E+09	1,285805E+09	1,087750E+09	7,799693E+08
-2953	4,644972E+08	2,258616E+08	1,084371E+08	1,084352E+08	2,258604E+08	4,645108E+08	7,800067E+08	1,087792E+09	1,285828E+09	1,285832E+09	1,087802E+09	7,800224E+08
-2952	4,645314E+08	2,258756E+08	1,084363E+08	1,084310E+08	2,258597E+08	4,645127E+08	7,800070E+08	1,087795E+09	1,285847E+09	1,285866E+09	1,087834E+09	7,800354E+08
-2951	4,645104E+08	2,258429E+08	1,084156E+08	1,084217E+08	2,258630E+08	4,645358E+08	7,800502E+08	1,087845E+09	1,285881E+09	1,285864E+09	1,087797E+09	7,799948E+08
-2950	4,644938E+08	2,258356E+08	1,084036E+08	1,083992E+08	2,258264E+08	4,644874E+08	7,800002E+08	1,087808E+09	1,285871E+09	1,285892E+09	1,087855E+09	7,800563E+08
-2949	4,645354E+08	2,258489E+08	1,084010E+08	1,083976E+08	2,258344E+08	4,645087E+08	7,800310E+08	1,087841E+09	1,285899E+09	1,285904E+09	1,087850E+09	7,800269E+08
-2948	4,644904E+08	2,258169E+08	1,083851E+08	1,083874E+08	2,258241E+08	4,645028E+08	7,800405E+08	1,087868E+09	1,285925E+09	1,285904E+09	1,087827E+09	7,800137E+08
-2947	4,644957E+08	2,258274E+08	1,083883E+08	1,083812E+08	2,258090E+08	4,644751E+08	7,800013E+08	1,087829E+09	1,285909E+09	1,285928E+09	1,087872E+09	7,800567E+08
-2946	4,645185E+08	2,258264E+08	1,083859E+08	1,083903E+08	2,258376E+08	4,645237E+08	7,800515E+08	1,087861E+09	1,285918E+09	1,285916E+09	1,087837E+09	7,799993E+08
-2945	4,644724E+08	2,258075E+08	1,083794E+08	1,083819E+08	2,258192E+08	4,645014E+08	7,800374E+08	1,087852E+09	1,285901E+09	1,285896E+09	1,087842E+09	7,800304E+08
-2944	4,645084E+08	2,258366E+08	1,083955E+08	1,083908E+08	2,258232E+08	4,644940E+08	7,800175E+08	1,087832E+09	1,285894E+09	1,285901E+09	1,087854E+09	7,800488E+08
-2943	4,645135E+08	2,258315E+08	1,083987E+08	1,084054E+08	2,258500E+08	4,645301E+08	7,800550E+08	1,087860E+09	1,285899E+09	1,285872E+09	1,087791E+09	7,799847E+08
-2942	4,644896E+08	2,258384E+08	1,084113E+08	1,084103E+08	2,258379E+08	4,644933E+08	7,799968E+08	1,087794E+09	1,285843E+09	1,285851E+09	1,087815E+09	7,800338E+08
-2941	4,645422E+08	2,258788E+08	1,084371E+08	1,084339E+08	2,258649E+08	4,645167E+08	7,800039E+08	1,087780E+09	1,285818E+09	1,285831E+09	1,087808E+09	7,800211E+08
-2940	4,645148E+08	2,258640E+08	1,084418E+08	1,084486E+08	2,258846E+08	4,645388E+08	7,800255E+08	1,087790E+09	1,285801E+09	1,285783E+09	1,087749E+09	7,799861E+08
-2939	4,645172E+08	2,258841E+08	1,084588E+08	1,084548E+08	2,258762E+08	4,645118E+08	7,799820E+08	1,087734E+09	1,285750E+09	1,285766E+09	1,087772E+09	7,800332E+08
-2938	4,645597E+08	2,259035E+08	1,084691E+08	1,084717E+08	2,259072E+08	4,645543E+08	7,800209E+08	1,087758E+09	1,285754E+09	1,285749E+09	1,087734E+09	7,799770E+08
-2937	4,645140E+08	2,258863E+08	1,084665E+08	1,084690E+08	2,258957E+08	4,645373E+08	7,800116E+08	1,087760E+09	1,285752E+09	1,285732E+09	1,087721E+09	7,799873E+08
-2936	4,645384E+08	2,259094E+08	1,084780E+08	1,084706E+08	2,258884E+08	4,645144E+08	7,799749E+08	1,087731E+09	1,285758E+09	1,285772E+09	1,087765E+09	7,800202E+08
-2935	4,645475E+08	2,258983E+08	1,084704E+08	1,084752E+08	2,259107E+08	4,645555E+08	7,800231E+08	1,087773E+09	1,285783E+09	1,285774E+09	1,087737E+09	7,799663E+08
-2934	4,645046E+08	2,258782E+08	1,084582E+08	1,084581E+08	2,258819E+08	4,645196E+08	7,799907E+08	1,087747E+09	1,285765E+09	1,285778E+09	1,087775E+09	7,800210E+08
-2933	4,645456E+08	2,258960E+08	1,084579E+08	1,084518E+08	2,258769E+08	4,645200E+08	7,799979E+08	1,087762E+09	1,285790E+09	1,285806E+09	1,087801E+09	7,800320E+08
-2932	4,645251E+08	2,258645E+08	1,084375E+08	1,084421E+08	2,258779E+08	4,645375E+08	7,800357E+08	1,087813E+09	1,285832E+09	1,285813E+09	1,087765E+09	7,799864E+08
-2931	4,645053E+08	2,258581E+08	1,084279E+08	1,084220E+08	2,258443E+08	4,644949E+08	7,799956E+08	1,087784E+09	1,285826E+09	1,285837E+09	1,087811E+09	7,800358E+08
-2930	4,645403E+08	2,258684E+08	1,084250E+08	1,084229E+08	2,258580E+08	4,645208E+08	7,800231E+08	1,087813E+09	1,285857E+09	1,285862E+09	1,087815E+09	7,800041E+08
-2929	4,644916E+08	2,258356E+08	1,084086E+08	1,084121E+08	2,258480E+08	4,645166E+08	7,800321E+08	1,087832E+09	1,285871E+09	1,285855E+09	1,087798E+09	7,800021E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2928	4,644998E+08	2,258442E+08	1,084114E+08	1,084064E+08	2,258336E+08	4,644910E+08	7,799967E+08	1,087800E+09	1,285865E+09	1,285883E+09	1,087841E+09	7,800449E+08
-2927	4,645263E+08	2,258449E+08	1,084084E+08	1,084136E+08	2,258582E+08	4,645346E+08	7,800481E+08	1,087839E+09	1,285876E+09	1,285869E+09	1,087807E+09	7,799917E+08
-2926	4,644840E+08	2,258291E+08	1,084041E+08	1,084074E+08	2,258412E+08	4,645089E+08	7,800243E+08	1,087818E+09	1,285846E+09	1,285836E+09	1,087801E+09	7,800195E+08
-2925	4,645246E+08	2,258656E+08	1,084260E+08	1,084192E+08	2,258446E+08	4,644983E+08	7,800001E+08	1,087793E+09	1,285837E+09	1,285843E+09	1,087816E+09	7,800372E+08
-2924	4,645273E+08	2,258615E+08	1,084320E+08	1,084377E+08	2,258752E+08	4,645337E+08	7,800293E+08	1,087809E+09	1,285835E+09	1,285818E+09	1,087762E+09	7,799767E+08
-2923	4,645025E+08	2,258679E+08	1,084458E+08	1,084447E+08	2,258683E+08	4,645087E+08	7,799855E+08	1,087746E+09	1,285769E+09	1,285780E+09	1,087771E+09	7,800197E+08
-2922	4,645524E+08	2,259042E+08	1,084684E+08	1,084669E+08	2,258962E+08	4,645350E+08	7,799950E+08	1,087735E+09	1,285745E+09	1,285760E+09	1,087762E+09	7,800033E+08
-2921	4,645255E+08	2,258902E+08	1,084710E+08	1,084780E+08	2,259107E+08	4,645519E+08	7,800155E+08	1,087749E+09	1,285730E+09	1,285708E+09	1,087701E+09	7,799731E+08
-2920	4,645304E+08	2,259101E+08	1,084876E+08	1,084831E+08	2,259000E+08	4,645210E+08	7,799695E+08	1,087703E+09	1,285703E+09	1,285710E+09	1,087725E+09	7,800128E+08
-2919	4,645690E+08	2,259287E+08	1,084972E+08	1,084984E+08	2,259281E+08	4,645594E+08	7,800071E+08	1,087730E+09	1,285715E+09	1,285708E+09	1,087703E+09	7,799630E+08
-2918	4,645216E+08	2,259088E+08	1,084938E+08	1,084972E+08	2,259207E+08	4,645454E+08	7,799933E+08	1,087718E+09	1,285699E+09	1,285685E+09	1,087691E+09	7,799766E+08
-2917	4,645477E+08	2,259320E+08	1,085045E+08	1,084969E+08	2,259117E+08	4,645258E+08	7,799640E+08	1,087693E+09	1,285702E+09	1,285723E+09	1,087742E+09	7,800156E+08
-2916	4,645562E+08	2,259183E+08	1,084943E+08	1,084993E+08	2,259315E+08	4,645646E+08	7,800127E+08	1,087737E+09	1,285729E+09	1,285727E+09	1,087717E+09	7,799662E+08
-2915	4,645161E+08	2,258976E+08	1,084801E+08	1,084798E+08	2,259011E+08	4,645320E+08	7,799917E+08	1,087725E+09	1,285717E+09	1,285719E+09	1,087734E+09	7,800079E+08
-2914	4,645544E+08	2,259144E+08	1,084784E+08	1,084727E+08	2,258953E+08	4,645286E+08	7,799918E+08	1,087740E+09	1,285752E+09	1,285760E+09	1,087762E+09	7,800122E+08
-2913	4,645312E+08	2,258847E+08	1,084590E+08	1,084629E+08	2,258942E+08	4,645403E+08	7,800203E+08	1,087781E+09	1,285788E+09	1,285768E+09	1,087733E+09	7,799728E+08
-2912	4,645104E+08	2,258764E+08	1,084506E+08	1,084455E+08	2,258651E+08	4,645013E+08	7,799788E+08	1,087752E+09	1,285790E+09	1,285802E+09	1,087782E+09	7,800203E+08
-2911	4,645436E+08	2,258858E+08	1,084470E+08	1,084458E+08	2,258791E+08	4,645310E+08	7,800131E+08	1,087781E+09	1,285812E+09	1,285823E+09	1,087794E+09	7,799983E+08
-2910	4,644982E+08	2,258524E+08	1,084302E+08	1,084359E+08	2,258709E+08	4,645288E+08	7,800229E+08	1,087793E+09	1,285809E+09	1,285795E+09	1,087764E+09	7,799960E+08
-2909	4,645135E+08	2,258667E+08	1,084356E+08	1,084300E+08	2,258534E+08	4,645007E+08	7,799906E+08	1,087771E+09	1,285808E+09	1,285821E+09	1,087805E+09	7,800375E+08
-2908	4,645407E+08	2,258715E+08	1,084360E+08	1,084394E+08	2,258774E+08	4,645375E+08	7,800317E+08	1,087805E+09	1,285826E+09	1,285816E+09	1,087774E+09	7,799838E+08
-2907	4,644986E+08	2,258579E+08	1,084354E+08	1,084371E+08	2,258650E+08	4,645173E+08	7,800125E+08	1,087783E+09	1,285793E+09	1,285776E+09	1,087755E+09	7,800008E+08
-2906	4,645350E+08	2,258936E+08	1,084585E+08	1,084526E+08	2,258744E+08	4,645104E+08	7,799834E+08	1,087750E+09	1,285779E+09	1,285789E+09	1,087778E+09	7,800183E+08
-2905	4,645358E+08	2,258890E+08	1,084639E+08	1,084701E+08	2,259044E+08	4,645468E+08	7,800122E+08	1,087756E+09	1,285760E+09	1,285750E+09	1,087725E+09	7,799669E+08
-2904	4,645126E+08	2,258928E+08	1,084766E+08	1,084770E+08	2,258984E+08	4,645247E+08	7,799746E+08	1,087706E+09	1,285707E+09	1,285715E+09	1,087727E+09	7,800052E+08
-2903	4,645632E+08	2,259292E+08	1,084970E+08	1,084958E+08	2,259220E+08	4,645483E+08	7,799883E+08	1,087704E+09	1,285690E+09	1,285698E+09	1,087720E+09	7,799903E+08
-2902	4,645369E+08	2,259152E+08	1,084996E+08	1,085071E+08	2,259357E+08	4,645613E+08	7,800013E+08	1,087709E+09	1,285669E+09	1,285643E+09	1,087654E+09	7,799568E+08
-2901	4,645434E+08	2,259383E+08	1,085182E+08	1,085123E+08	2,259232E+08	4,645281E+08	7,799548E+08	1,087667E+09	1,285650E+09	1,285656E+09	1,087691E+09	7,799984E+08
-2900	4,645771E+08	2,259548E+08	1,085274E+08	1,085282E+08	2,259523E+08	4,645647E+08	7,799860E+08	1,087687E+09	1,285662E+09	1,285663E+09	1,087681E+09	7,799579E+08
-2899	4,645312E+08	2,259321E+08	1,085217E+08	1,085254E+08	2,259465E+08	4,645607E+08	7,799872E+08	1,087681E+09	1,285640E+09	1,285628E+09	1,087657E+09	7,799670E+08
-2898	4,645556E+08	2,259511E+08	1,085281E+08	1,085221E+08	2,259354E+08	4,645401E+08	7,799593E+08	1,087662E+09	1,285649E+09	1,285669E+09	1,087707E+09	7,800037E+08
-2897	4,645654E+08	2,259381E+08	1,085151E+08	1,085198E+08	2,259486E+08	4,645712E+08	7,800032E+08	1,087706E+09	1,285676E+09	1,285670E+09	1,087682E+09	7,799589E+08
-2896	4,645268E+08	2,259174E+08	1,085012E+08	1,085003E+08	2,259178E+08	4,645362E+08	7,799785E+08	1,087701E+09	1,285685E+09	1,285677E+09	1,087696E+09	7,799918E+08
-2895	4,645613E+08	2,259337E+08	1,084994E+08	1,084930E+08	2,259117E+08	4,645321E+08	7,799781E+08	1,087714E+09	1,285719E+09	1,285726E+09	1,087736E+09	7,800004E+08
-2894	4,645363E+08	2,259023E+08	1,084807E+08	1,084860E+08	2,259157E+08	4,645481E+08	7,800041E+08	1,087742E+09	1,285738E+09	1,285723E+09	1,087704E+09	7,799634E+08
-2893	4,645182E+08	2,258960E+08	1,084734E+08	1,084687E+08	2,258865E+08	4,645138E+08	7,799728E+08	1,087721E+09	1,285737E+09	1,285753E+09	1,087757E+09	7,800128E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,645490E+08	2,259046E+08	1,084700E+08	1,084691E+08	2,258995E+08	4,645409E+08	7,800067E+08	1,087753E+09	1,285764E+09	1,285774E+09	1,087768E+09	7,799958E+08
-2891	4,645104E+08	2,258739E+08	1,084541E+08	1,084594E+08	2,258920E+08	4,645430E+08	7,800247E+08	1,087773E+09	1,285763E+09	1,285736E+09	1,087719E+09	7,799808E+08
-2890	4,645232E+08	2,258897E+08	1,084613E+08	1,084555E+08	2,258749E+08	4,645091E+08	7,799809E+08	1,087743E+09	1,285766E+09	1,285772E+09	1,087763E+09	7,800175E+08
-2889	4,645491E+08	2,258976E+08	1,084646E+08	1,084671E+08	2,258990E+08	4,645405E+08	7,800092E+08	1,087761E+09	1,285769E+09	1,285764E+09	1,087741E+09	7,799730E+08
-2888	4,645085E+08	2,258840E+08	1,084665E+08	1,084692E+08	2,258932E+08	4,645252E+08	7,799871E+08	1,087735E+09	1,285738E+09	1,285725E+09	1,087719E+09	7,799871E+08
-2887	4,645436E+08	2,259184E+08	1,084885E+08	1,084837E+08	2,259031E+08	4,645235E+08	7,799666E+08	1,087700E+09	1,285710E+09	1,285728E+09	1,087745E+09	7,800123E+08
-2886	4,645473E+08	2,259133E+08	1,084935E+08	1,085016E+08	2,259335E+08	4,645610E+08	7,799980E+08	1,087705E+09	1,285678E+09	1,285669E+09	1,087677E+09	7,799579E+08
-2885	4,645298E+08	2,259220E+08	1,085074E+08	1,085069E+08	2,259238E+08	4,645372E+08	7,799666E+08	1,087669E+09	1,285636E+09	1,285637E+09	1,087678E+09	7,799899E+08
-2884	4,645755E+08	2,259589E+08	1,085292E+08	1,085262E+08	2,259459E+08	4,645554E+08	7,799739E+08	1,087668E+09	1,285635E+09	1,285637E+09	1,087677E+09	7,799768E+08
-2883	4,645498E+08	2,259447E+08	1,085323E+08	1,085385E+08	2,259630E+08	4,645754E+08	7,799937E+08	1,087675E+09	1,285617E+09	1,285584E+09	1,087606E+09	7,799350E+08
-2882	4,645500E+08	2,259635E+08	1,085487E+08	1,085440E+08	2,259528E+08	4,645435E+08	7,799449E+08	1,087631E+09	1,285600E+09	1,285610E+09	1,087656E+09	7,799808E+08
-2881	4,645822E+08	2,259773E+08	1,085544E+08	1,085561E+08	2,259777E+08	4,645774E+08	7,799750E+08	1,087648E+09	1,285604E+09	1,285611E+09	1,087653E+09	7,799547E+08
-2880	4,645407E+08	2,259517E+08	1,085458E+08	1,085507E+08	2,259695E+08	4,645712E+08	7,799775E+08	1,087655E+09	1,285600E+09	1,285581E+09	1,087623E+09	7,799586E+08
-2879	4,645656E+08	2,259701E+08	1,085488E+08	1,085425E+08	2,259527E+08	4,645468E+08	7,799508E+08	1,087638E+09	1,285611E+09	1,285626E+09	1,087678E+09	7,799969E+08
-2878	4,645755E+08	2,259576E+08	1,085365E+08	1,085404E+08	2,259642E+08	4,645726E+08	7,799853E+08	1,087670E+09	1,285628E+09	1,285621E+09	1,087646E+09	7,799473E+08
-2877	4,645378E+08	2,259402E+08	1,085249E+08	1,085223E+08	2,259347E+08	4,645393E+08	7,799626E+08	1,087666E+09	1,285637E+09	1,285634E+09	1,087669E+09	7,799795E+08
-2876	4,645663E+08	2,259544E+08	1,085239E+08	1,085171E+08	2,259321E+08	4,645379E+08	7,799601E+08	1,087674E+09	1,285671E+09	1,285686E+09	1,087714E+09	7,799960E+08
-2875	4,645442E+08	2,259216E+08	1,085040E+08	1,085097E+08	2,259392E+08	4,645655E+08	7,800016E+08	1,087708E+09	1,285682E+09	1,285666E+09	1,087667E+09	7,799518E+08
-2874	4,645250E+08	2,259139E+08	1,084955E+08	1,084924E+08	2,259095E+08	4,645290E+08	7,799718E+08	1,087696E+09	1,285689E+09	1,285701E+09	1,087720E+09	7,799990E+08
-2873	4,645572E+08	2,259249E+08	1,084922E+08	1,084909E+08	2,259174E+08	4,645473E+08	7,799969E+08	1,087723E+09	1,285714E+09	1,285718E+09	1,087731E+09	7,799869E+08
-2872	4,645212E+08	2,258965E+08	1,084794E+08	1,084842E+08	2,259117E+08	4,645466E+08	7,800082E+08	1,087746E+09	1,285730E+09	1,285693E+09	1,087680E+09	7,799646E+08
-2871	4,645314E+08	2,259132E+08	1,084881E+08	1,084821E+08	2,258972E+08	4,645152E+08	7,799632E+08	1,087706E+09	1,285720E+09	1,285731E+09	1,087735E+09	7,800074E+08
-2870	4,645572E+08	2,259209E+08	1,084932E+08	1,084968E+08	2,259255E+08	4,645497E+08	7,799875E+08	1,087707E+09	1,285700E+09	1,285704E+09	1,087706E+09	7,799649E+08
-2869	4,645213E+08	2,259105E+08	1,084969E+08	1,084999E+08	2,259215E+08	4,645409E+08	7,799767E+08	1,087688E+09	1,285663E+09	1,285656E+09	1,087682E+09	7,799781E+08
-2868	4,645549E+08	2,259447E+08	1,085190E+08	1,085145E+08	2,259305E+08	4,645371E+08	7,799566E+08	1,087659E+09	1,285642E+09	1,285657E+09	1,087702E+09	7,800047E+08
-2867	4,645634E+08	2,259416E+08	1,085243E+08	1,085317E+08	2,259614E+08	4,645794E+08	7,799964E+08	1,087673E+09	1,285615E+09	1,285593E+09	1,087617E+09	7,799358E+08
-2866	4,645408E+08	2,259505E+08	1,085394E+08	1,085386E+08	2,259510E+08	4,645498E+08	7,799585E+08	1,087639E+09	1,285587E+09	1,285579E+09	1,087627E+09	7,799641E+08
-2865	4,645815E+08	2,259862E+08	1,085610E+08	1,085576E+08	2,259715E+08	4,645625E+08	7,799556E+08	1,087627E+09	1,285580E+09	1,285585E+09	1,087641E+09	7,799632E+08
-2864	4,645578E+08	2,259700E+08	1,085635E+08	1,085706E+08	2,259914E+08	4,645853E+08	7,799747E+08	1,087637E+09	1,285572E+09	1,285541E+09	1,087576E+09	7,799237E+08
-2863	4,645574E+08	2,259851E+08	1,085753E+08	1,085715E+08	2,259780E+08	4,645562E+08	7,799331E+08	1,087591E+09	1,285545E+09	1,285564E+09	1,087633E+09	7,799785E+08
-2862	4,645931E+08	2,259975E+08	1,085788E+08	1,085809E+08	2,259988E+08	4,645853E+08	7,799604E+08	1,087605E+09	1,285539E+09	1,285549E+09	1,087618E+09	7,799522E+08
-2861	4,645586E+08	2,259766E+08	1,085702E+08	1,085732E+08	2,259870E+08	4,645764E+08	7,799652E+08	1,087620E+09	1,285543E+09	1,285524E+09	1,087588E+09	7,799488E+08
-2860	4,645769E+08	2,259940E+08	1,085739E+08	1,085656E+08	2,259696E+08	4,645481E+08	7,799326E+08	1,087603E+09	1,285564E+09	1,285579E+09	1,087645E+09	7,799879E+08
-2859	4,645870E+08	2,259809E+08	1,085618E+08	1,085646E+08	2,259861E+08	4,645845E+08	7,799761E+08	1,087636E+09	1,285579E+09	1,285571E+09	1,087607E+09	7,799283E+08
-2858	4,645421E+08	2,259596E+08	1,085489E+08	1,085476E+08	2,259592E+08	4,645544E+08	7,799572E+08	1,087636E+09	1,285592E+09	1,285591E+09	1,087636E+09	7,799609E+08
-2857	4,645665E+08	2,259703E+08	1,085452E+08	1,085398E+08	2,259539E+08	4,645517E+08	7,799564E+08	1,087645E+09	1,285620E+09	1,285638E+09	1,087685E+09	7,799891E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2856	4,645508E+08	2,259377E+08	1,085246E+08	1,085318E+08	2,259600E+08	4,645769E+08	7,799984E+08	1,087692E+09	1,285651E+09	1,285625E+09	1,087633E+09	7,799399E+08
-2855	4,645319E+08	2,259304E+08	1,085146E+08	1,085117E+08	2,259262E+08	4,645368E+08	7,799662E+08	1,087676E+09	1,285657E+09	1,285663E+09	1,087691E+09	7,799903E+08
-2854	4,645656E+08	2,259442E+08	1,085149E+08	1,085130E+08	2,259335E+08	4,645479E+08	7,799773E+08	1,087686E+09	1,285666E+09	1,285671E+09	1,087697E+09	7,799787E+08
-2853	4,645349E+08	2,259218E+08	1,085066E+08	1,085100E+08	2,259318E+08	4,645492E+08	7,799863E+08	1,087700E+09	1,285670E+09	1,285646E+09	1,087654E+09	7,799548E+08
-2852	4,645407E+08	2,259387E+08	1,085181E+08	1,085119E+08	2,259225E+08	4,645228E+08	7,799405E+08	1,087652E+09	1,285652E+09	1,285674E+09	1,087706E+09	7,800044E+08
-2851	4,645718E+08	2,259475E+08	1,085236E+08	1,085273E+08	2,259548E+08	4,645694E+08	7,799795E+08	1,087657E+09	1,285621E+09	1,285627E+09	1,087655E+09	7,799504E+08
-2850	4,645342E+08	2,259375E+08	1,085278E+08	1,085315E+08	2,259511E+08	4,645592E+08	7,799729E+08	1,087651E+09	1,285594E+09	1,285581E+09	1,087626E+09	7,799572E+08
-2849	4,645659E+08	2,259726E+08	1,085499E+08	1,085447E+08	2,259560E+08	4,645483E+08	7,799465E+08	1,087623E+09	1,285580E+09	1,285585E+09	1,087649E+09	7,799870E+08
-2848	4,645757E+08	2,259706E+08	1,085572E+08	1,085641E+08	2,259883E+08	4,645876E+08	7,799816E+08	1,087644E+09	1,285575E+09	1,285541E+09	1,087570E+09	7,799137E+08
-2847	4,645485E+08	2,259770E+08	1,085708E+08	1,085702E+08	2,259786E+08	4,645608E+08	7,799443E+08	1,087603E+09	1,285541E+09	1,285538E+09	1,087598E+09	7,799522E+08
-2846	4,645882E+08	2,260097E+08	1,085915E+08	1,085888E+08	2,259988E+08	4,645730E+08	7,799372E+08	1,087578E+09	1,285516E+09	1,285531E+09	1,087611E+09	7,799581E+08
-2845	4,645713E+08	2,259956E+08	1,085929E+08	1,085999E+08	2,260172E+08	4,645982E+08	7,799645E+08	1,087594E+09	1,285504E+09	1,285486E+09	1,087551E+09	7,799199E+08
-2844	4,645702E+08	2,260094E+08	1,086028E+08	1,085986E+08	2,260010E+08	4,645657E+08	7,799213E+08	1,087554E+09	1,285487E+09	1,285507E+09	1,087601E+09	7,799764E+08
-2843	4,646101E+08	2,260226E+08	1,086045E+08	1,086051E+08	2,260201E+08	4,645973E+08	7,799521E+08	1,087569E+09	1,285481E+09	1,285485E+09	1,087569E+09	7,799340E+08
-2842	4,645693E+08	2,260010E+08	1,085968E+08	1,085989E+08	2,260084E+08	4,645844E+08	7,799538E+08	1,087588E+09	1,285496E+09	1,285474E+09	1,087545E+09	7,799265E+08
-2841	4,645814E+08	2,260148E+08	1,085987E+08	1,085905E+08	2,259906E+08	4,645539E+08	7,799158E+08	1,087565E+09	1,285513E+09	1,285531E+09	1,087612E+09	7,799740E+08
-2840	4,645916E+08	2,259989E+08	1,085853E+08	1,085895E+08	2,260094E+08	4,645947E+08	7,799647E+08	1,087608E+09	1,285540E+09	1,285531E+09	1,087578E+09	7,799158E+08
-2839	4,645451E+08	2,259738E+08	1,085681E+08	1,085683E+08	2,259797E+08	4,645686E+08	7,799561E+08	1,087612E+09	1,285550E+09	1,285552E+09	1,087614E+09	7,799558E+08
-2838	4,645718E+08	2,259838E+08	1,085635E+08	1,085585E+08	2,259694E+08	4,645584E+08	7,799492E+08	1,087617E+09	1,285572E+09	1,285587E+09	1,087653E+09	7,799836E+08
-2837	4,645649E+08	2,259587E+08	1,085457E+08	1,085508E+08	2,259740E+08	4,645802E+08	7,799884E+08	1,087664E+09	1,285606E+09	1,285582E+09	1,087606E+09	7,799303E+08
-2836	4,645426E+08	2,259533E+08	1,085393E+08	1,085346E+08	2,259427E+08	4,645372E+08	7,799464E+08	1,087640E+09	1,285614E+09	1,285622E+09	1,087663E+09	7,799835E+08
-2835	4,645795E+08	2,259692E+08	1,085420E+08	1,085392E+08	2,259570E+08	4,645585E+08	7,799610E+08	1,087641E+09	1,285606E+09	1,285616E+09	1,087658E+09	7,799628E+08
-2834	4,645445E+08	2,259468E+08	1,085363E+08	1,085406E+08	2,259604E+08	4,645647E+08	7,799754E+08	1,087658E+09	1,285606E+09	1,285586E+09	1,087614E+09	7,799386E+08
-2833	4,645479E+08	2,259618E+08	1,085469E+08	1,085419E+08	2,259504E+08	4,645383E+08	7,799327E+08	1,087612E+09	1,285582E+09	1,285603E+09	1,087662E+09	7,799934E+08
-2832	4,645840E+08	2,259722E+08	1,085530E+08	1,085577E+08	2,259826E+08	4,645836E+08	7,799744E+08	1,087632E+09	1,285571E+09	1,285563E+09	1,087606E+09	7,799315E+08
-2831	4,645439E+08	2,259624E+08	1,085562E+08	1,085599E+08	2,259761E+08	4,645724E+08	7,799676E+08	1,087625E+09	1,285548E+09	1,285528E+09	1,087584E+09	7,799388E+08
-2830	4,645727E+08	2,259972E+08	1,085807E+08	1,085748E+08	2,259796E+08	4,645541E+08	7,799283E+08	1,087582E+09	1,285523E+09	1,285531E+09	1,087609E+09	7,799716E+08
-2829	4,645884E+08	2,259998E+08	1,085903E+08	1,085964E+08	2,260151E+08	4,645956E+08	7,799612E+08	1,087595E+09	1,285511E+09	1,285492E+09	1,087545E+09	7,799034E+08
-2828	4,645581E+08	2,260039E+08	1,086034E+08	1,086030E+08	2,260070E+08	4,645710E+08	7,799233E+08	1,087551E+09	1,285474E+09	1,285483E+09	1,087573E+09	7,799526E+08
-2827	4,646051E+08	2,260365E+08	1,086218E+08	1,086192E+08	2,260273E+08	4,645907E+08	7,799272E+08	1,087529E+09	1,285439E+09	1,285458E+09	1,087568E+09	7,799490E+08
-2826	4,645880E+08	2,260229E+08	1,086226E+08	1,086292E+08	2,260426E+08	4,646106E+08	7,799557E+08	1,087556E+09	1,285438E+09	1,285415E+09	1,087502E+09	7,799039E+08
-2825	4,645827E+08	2,260350E+08	1,086302E+08	1,086249E+08	2,260220E+08	4,645721E+08	7,799077E+08	1,087517E+09	1,285427E+09	1,285440E+09	1,087554E+09	7,799610E+08
-2824	4,646213E+08	2,260475E+08	1,086321E+08	1,086321E+08	2,260420E+08	4,646025E+08	7,799379E+08	1,087543E+09	1,285443E+09	1,285438E+09	1,087528E+09	7,799123E+08
-2823	4,645731E+08	2,260206E+08	1,086205E+08	1,086233E+08	2,260310E+08	4,645960E+08	7,799451E+08	1,087560E+09	1,285457E+09	1,285438E+09	1,087520E+09	7,799120E+08
-2822	4,645817E+08	2,260295E+08	1,086202E+08	1,086131E+08	2,260112E+08	4,645647E+08	7,799070E+08	1,087532E+09	1,285464E+09	1,285487E+09	1,087586E+09	7,799662E+08
-2821	4,645999E+08	2,260163E+08	1,086057E+08	1,086102E+08	2,260281E+08	4,646056E+08	7,799617E+08	1,087581E+09	1,285492E+09	1,285490E+09	1,087558E+09	7,799112E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,645540E+08	2,259912E+08	1,085881E+08	1,085879E+08	2,259956E+08	4,645746E+08	7,799491E+08	1,087590E+09	1,285512E+09	1,285511E+09	1,087590E+09	7,799540E+08
-2819	4,645864E+08	2,260046E+08	1,085846E+08	1,085780E+08	2,259854E+08	4,645657E+08	7,799399E+08	1,087588E+09	1,285527E+09	1,285537E+09	1,087615E+09	7,799683E+08
-2818	4,645760E+08	2,259826E+08	1,085714E+08	1,085752E+08	2,259926E+08	4,645835E+08	7,799724E+08	1,087630E+09	1,285561E+09	1,285537E+09	1,087571E+09	7,799131E+08
-2817	4,645497E+08	2,259758E+08	1,085661E+08	1,085617E+08	2,259657E+08	4,645428E+08	7,799248E+08	1,087593E+09	1,285553E+09	1,285569E+09	1,087632E+09	7,799734E+08
-2816	4,645890E+08	2,259922E+08	1,085702E+08	1,085688E+08	2,259840E+08	4,645695E+08	7,799458E+08	1,087601E+09	1,285550E+09	1,285560E+09	1,087622E+09	7,799498E+08
-2815	4,645525E+08	2,259678E+08	1,085622E+08	1,085683E+08	2,259874E+08	4,645823E+08	7,799715E+08	1,087622E+09	1,285545E+09	1,285526E+09	1,087578E+09	7,799284E+08
-2814	4,645567E+08	2,259833E+08	1,085736E+08	1,085689E+08	2,259734E+08	4,645490E+08	7,799239E+08	1,087576E+09	1,285518E+09	1,285533E+09	1,087614E+09	7,799786E+08
-2813	4,645987E+08	2,260002E+08	1,085827E+08	1,085860E+08	2,260054E+08	4,645921E+08	7,799636E+08	1,087597E+09	1,285513E+09	1,285505E+09	1,087567E+09	7,799155E+08
-2812	4,645553E+08	2,259912E+08	1,085889E+08	1,085915E+08	2,260013E+08	4,645793E+08	7,799504E+08	1,087586E+09	1,285496E+09	1,285478E+09	1,087550E+09	7,799285E+08
-2811	4,645863E+08	2,260255E+08	1,086131E+08	1,086073E+08	2,260094E+08	4,645694E+08	7,799128E+08	1,087533E+09	1,285456E+09	1,285470E+09	1,087568E+09	7,799547E+08
-2810	4,645992E+08	2,260284E+08	1,086241E+08	1,086309E+08	2,260464E+08	4,646123E+08	7,799504E+08	1,087551E+09	1,285443E+09	1,285429E+09	1,087506E+09	7,798917E+08
-2809	4,645695E+08	2,260295E+08	1,086342E+08	1,086348E+08	2,260356E+08	4,645849E+08	7,799125E+08	1,087508E+09	1,285402E+09	1,285411E+09	1,087531E+09	7,799450E+08
-2808	4,646205E+08	2,260625E+08	1,086510E+08	1,086488E+08	2,260525E+08	4,645999E+08	7,799172E+08	1,087502E+09	1,285389E+09	1,285395E+09	1,087521E+09	7,799322E+08
-2807	4,645989E+08	2,260472E+08	1,086491E+08	1,086552E+08	2,260646E+08	4,646200E+08	7,799466E+08	1,087527E+09	1,285392E+09	1,285365E+09	1,087464E+09	7,798872E+08
-2806	4,645882E+08	2,260563E+08	1,086564E+08	1,086501E+08	2,260411E+08	4,645748E+08	7,798890E+08	1,087479E+09	1,285375E+09	1,285389E+09	1,087517E+09	7,799445E+08
-2805	4,646294E+08	2,260702E+08	1,086580E+08	1,086574E+08	2,260636E+08	4,646097E+08	7,799218E+08	1,087501E+09	1,285389E+09	1,285397E+09	1,087507E+09	7,799022E+08
-2804	4,645785E+08	2,260400E+08	1,086445E+08	1,086477E+08	2,260529E+08	4,646062E+08	7,799337E+08	1,087523E+09	1,285407E+09	1,285395E+09	1,087499E+09	7,799110E+08
-2803	4,645927E+08	2,260474E+08	1,086410E+08	1,086345E+08	2,260324E+08	4,645801E+08	7,799036E+08	1,087501E+09	1,285409E+09	1,285431E+09	1,087550E+09	7,799555E+08
-2802	4,646114E+08	2,260374E+08	1,086283E+08	1,086321E+08	2,260464E+08	4,646142E+08	7,799567E+08	1,087558E+09	1,285448E+09	1,285438E+09	1,087521E+09	7,798993E+08
-2801	4,645642E+08	2,260119E+08	1,086105E+08	1,086095E+08	2,260121E+08	4,645769E+08	7,799347E+08	1,087561E+09	1,285469E+09	1,285462E+09	1,087555E+09	7,799428E+08
-2800	4,645972E+08	2,260270E+08	1,086096E+08	1,086028E+08	2,260048E+08	4,645674E+08	7,799231E+08	1,087562E+09	1,285492E+09	1,285498E+09	1,087583E+09	7,799518E+08
-2799	4,645812E+08	2,260024E+08	1,085952E+08	1,086001E+08	2,260158E+08	4,645945E+08	7,799607E+08	1,087595E+09	1,285514E+09	1,285497E+09	1,087548E+09	7,799018E+08
-2798	4,645518E+08	2,259932E+08	1,085904E+08	1,085872E+08	2,259892E+08	4,645553E+08	7,799148E+08	1,087553E+09	1,285490E+09	1,285510E+09	1,087598E+09	7,799648E+08
-2797	4,646000E+08	2,260141E+08	1,085955E+08	1,085948E+08	2,260083E+08	4,645840E+08	7,799410E+08	1,087565E+09	1,285487E+09	1,285502E+09	1,087590E+09	7,799408E+08
-2796	4,645639E+08	2,259912E+08	1,085886E+08	1,085947E+08	2,260103E+08	4,645931E+08	7,799638E+08	1,087593E+09	1,285493E+09	1,285467E+09	1,087539E+09	7,799188E+08
-2795	4,645718E+08	2,260096E+08	1,086019E+08	1,085966E+08	2,259977E+08	4,645609E+08	7,799132E+08	1,087540E+09	1,285461E+09	1,285469E+09	1,087564E+09	7,799565E+08
-2794	4,646098E+08	2,260302E+08	1,086163E+08	1,086186E+08	2,260317E+08	4,645996E+08	7,799462E+08	1,087557E+09	1,285455E+09	1,285446E+09	1,087524E+09	7,798972E+08
-2793	4,645642E+08	2,260186E+08	1,086223E+08	1,086256E+08	2,260305E+08	4,645881E+08	7,799279E+08	1,087534E+09	1,285427E+09	1,285415E+09	1,087515E+09	7,799192E+08
-2792	4,645991E+08	2,260534E+08	1,086464E+08	1,086416E+08	2,260396E+08	4,645815E+08	7,798983E+08	1,087492E+09	1,285392E+09	1,285407E+09	1,087530E+09	7,799437E+08
-2791	4,646108E+08	2,260539E+08	1,086536E+08	1,086612E+08	2,260741E+08	4,646276E+08	7,799428E+08	1,087512E+09	1,285378E+09	1,285364E+09	1,087469E+09	7,798826E+08
-2790	4,645812E+08	2,260548E+08	1,086630E+08	1,086627E+08	2,260581E+08	4,645926E+08	7,798983E+08	1,087467E+09	1,285336E+09	1,285339E+09	1,087483E+09	7,799321E+08
-2789	4,646367E+08	2,260915E+08	1,086806E+08	1,086765E+08	2,260743E+08	4,646052E+08	7,798996E+08	1,087459E+09	1,285330E+09	1,285340E+09	1,087482E+09	7,799165E+08
-2788	4,646093E+08	2,260740E+08	1,086787E+08	1,086838E+08	2,260880E+08	4,646260E+08	7,799280E+08	1,087488E+09	1,285341E+09	1,285317E+09	1,087432E+09	7,798764E+08
-2787	4,645984E+08	2,260798E+08	1,086833E+08	1,086777E+08	2,260678E+08	4,645902E+08	7,798776E+08	1,087438E+09	1,285317E+09	1,285335E+09	1,087480E+09	7,799269E+08
-2786	4,646348E+08	2,260923E+08	1,086848E+08	1,086848E+08	2,260891E+08	4,646255E+08	7,799187E+08	1,087472E+09	1,285337E+09	1,285343E+09	1,087474E+09	7,798925E+08
-2785	4,645856E+08	2,260580E+08	1,086671E+08	1,086714E+08	2,260747E+08	4,646183E+08	7,799301E+08	1,087499E+09	1,285360E+09	1,285344E+09	1,087468E+09	7,799048E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,646037E+08	2,260666E+08	1,086624E+08	1,086561E+08	2,260502E+08	4,645866E+08	7,798998E+08	1,087489E+09	1,285380E+09	1,285389E+09	1,087516E+09	7,799409E+08
-2783	4,646177E+08	2,260557E+08	1,086484E+08	1,086519E+08	2,260625E+08	4,646197E+08	7,799482E+08	1,087537E+09	1,285418E+09	1,285405E+09	1,087497E+09	7,798878E+08
-2782	4,645676E+08	2,260294E+08	1,086323E+08	1,086308E+08	2,260281E+08	4,645771E+08	7,799139E+08	1,087524E+09	1,285423E+09	1,285420E+09	1,087528E+09	7,799329E+08
-2781	4,646053E+08	2,260472E+08	1,086330E+08	1,086265E+08	2,260256E+08	4,645734E+08	7,799027E+08	1,087514E+09	1,285434E+09	1,285456E+09	1,087564E+09	7,799467E+08
-2780	4,645895E+08	2,260227E+08	1,086194E+08	1,086250E+08	2,260385E+08	4,646053E+08	7,799481E+08	1,087554E+09	1,285453E+09	1,285443E+09	1,087521E+09	7,799017E+08
-2779	4,645662E+08	2,260146E+08	1,086139E+08	1,086116E+08	2,260131E+08	4,645709E+08	7,799089E+08	1,087515E+09	1,285422E+09	1,285437E+09	1,087549E+09	7,799482E+08
-2778	4,646119E+08	2,260407E+08	1,086238E+08	1,086220E+08	2,260311E+08	4,645948E+08	7,799349E+08	1,087537E+09	1,285431E+09	1,285432E+09	1,087538E+09	7,799232E+08
-2777	4,645754E+08	2,260180E+08	1,086185E+08	1,086239E+08	2,260342E+08	4,646002E+08	7,799489E+08	1,087558E+09	1,285440E+09	1,285407E+09	1,087493E+09	7,799014E+08
-2776	4,645828E+08	2,260374E+08	1,086339E+08	1,086288E+08	2,260243E+08	4,645683E+08	7,798983E+08	1,087509E+09	1,285415E+09	1,285418E+09	1,087524E+09	7,799364E+08
-2775	4,646150E+08	2,260553E+08	1,086471E+08	1,086508E+08	2,260617E+08	4,646149E+08	7,799347E+08	1,087517E+09	1,285400E+09	1,285397E+09	1,087496E+09	7,798872E+08
-2774	4,645700E+08	2,260421E+08	1,086528E+08	1,086569E+08	2,260581E+08	4,646005E+08	7,799138E+08	1,087489E+09	1,285358E+09	1,285350E+09	1,087478E+09	7,799127E+08
-2773	4,646144E+08	2,260806E+08	1,086766E+08	1,086721E+08	2,260666E+08	4,645936E+08	7,798854E+08	1,087446E+09	1,285324E+09	1,285345E+09	1,087495E+09	7,799361E+08
-2772	4,646263E+08	2,260826E+08	1,086841E+08	1,086905E+08	2,260983E+08	4,646360E+08	7,799283E+08	1,087473E+09	1,285319E+09	1,285302E+09	1,087427E+09	7,798737E+08
-2771	4,645977E+08	2,260837E+08	1,086931E+08	1,086920E+08	2,260835E+08	4,646029E+08	7,798824E+08	1,087423E+09	1,285272E+09	1,285272E+09	1,087431E+09	7,799088E+08
-2770	4,646460E+08	2,261208E+08	1,087134E+08	1,087085E+08	2,261013E+08	4,646145E+08	7,798829E+08	1,087418E+09	1,285271E+09	1,285279E+09	1,087439E+09	7,798995E+08
-2769	4,646160E+08	2,260975E+08	1,087081E+08	1,087144E+08	2,261160E+08	4,646382E+08	7,799120E+08	1,087444E+09	1,285281E+09	1,285261E+09	1,087398E+09	7,798668E+08
-2768	4,646068E+08	2,261008E+08	1,087094E+08	1,087053E+08	2,260933E+08	4,646043E+08	7,798746E+08	1,087413E+09	1,285269E+09	1,285285E+09	1,087447E+09	7,799152E+08
-2767	4,646400E+08	2,261097E+08	1,087061E+08	1,087072E+08	2,261102E+08	4,646396E+08	7,799197E+08	1,087452E+09	1,285296E+09	1,285298E+09	1,087446E+09	7,798847E+08
-2766	4,645918E+08	2,260756E+08	1,086874E+08	1,086906E+08	2,260890E+08	4,646215E+08	7,799199E+08	1,087475E+09	1,285321E+09	1,285298E+09	1,087434E+09	7,798964E+08
-2765	4,646154E+08	2,260879E+08	1,086840E+08	1,086762E+08	2,260652E+08	4,645875E+08	7,798822E+08	1,087454E+09	1,285341E+09	1,285357E+09	1,087493E+09	7,799322E+08
-2764	4,646262E+08	2,260765E+08	1,086712E+08	1,086735E+08	2,260794E+08	4,646211E+08	7,799273E+08	1,087499E+09	1,285375E+09	1,285370E+09	1,087475E+09	7,798835E+08
-2763	4,645779E+08	2,260495E+08	1,086547E+08	1,086541E+08	2,260512E+08	4,645892E+08	7,798994E+08	1,087479E+09	1,285362E+09	1,285365E+09	1,087492E+09	7,799202E+08
-2762	4,646132E+08	2,260695E+08	1,086587E+08	1,086526E+08	2,260498E+08	4,645872E+08	7,798961E+08	1,087478E+09	1,285373E+09	1,285391E+09	1,087523E+09	7,799381E+08
-2761	4,645994E+08	2,260432E+08	1,086440E+08	1,086506E+08	2,260621E+08	4,646175E+08	7,799411E+08	1,087523E+09	1,285397E+09	1,285378E+09	1,087477E+09	7,798909E+08
-2760	4,645788E+08	2,260386E+08	1,086403E+08	1,086379E+08	2,260350E+08	4,645804E+08	7,799056E+08	1,087498E+09	1,285383E+09	1,285384E+09	1,087503E+09	7,799259E+08
-2759	4,646164E+08	2,260640E+08	1,086509E+08	1,086489E+08	2,260537E+08	4,646039E+08	7,799258E+08	1,087510E+09	1,285391E+09	1,285388E+09	1,087502E+09	7,799048E+08
-2758	4,645789E+08	2,260416E+08	1,086479E+08	1,086530E+08	2,260578E+08	4,646052E+08	7,799272E+08	1,087513E+09	1,285385E+09	1,285357E+09	1,087459E+09	7,798894E+08
-2757	4,645929E+08	2,260637E+08	1,086648E+08	1,086604E+08	2,260526E+08	4,645789E+08	7,798759E+08	1,087452E+09	1,285348E+09	1,285368E+09	1,087499E+09	7,799317E+08
-2756	4,646273E+08	2,260818E+08	1,086782E+08	1,086822E+08	2,260895E+08	4,646273E+08	7,799187E+08	1,087467E+09	1,285328E+09	1,285333E+09	1,087464E+09	7,798883E+08
-2755	4,645895E+08	2,260706E+08	1,086833E+08	1,086879E+08	2,260871E+08	4,646154E+08	7,799008E+08	1,087439E+09	1,285278E+09	1,285268E+09	1,087424E+09	7,798984E+08
-2754	4,646316E+08	2,261135E+08	1,087108E+08	1,087047E+08	2,260936E+08	4,646043E+08	7,798722E+08	1,087405E+09	1,285255E+09	1,285265E+09	1,087438E+09	7,799200E+08
-2753	4,646403E+08	2,261127E+08	1,087178E+08	1,087234E+08	2,261256E+08	4,646446E+08	7,799102E+08	1,087429E+09	1,285256E+09	1,285235E+09	1,087378E+09	7,798557E+08
-2752	4,646090E+08	2,261123E+08	1,087257E+08	1,087247E+08	2,261119E+08	4,646152E+08	7,798730E+08	1,087393E+09	1,285222E+09	1,285219E+09	1,087388E+09	7,798846E+08
-2751	4,646463E+08	2,261421E+08	1,087413E+08	1,087380E+08	2,261303E+08	4,646338E+08	7,798809E+08	1,087389E+09	1,285224E+09	1,285233E+09	1,087409E+09	7,798863E+08
-2750	4,646180E+08	2,261155E+08	1,087325E+08	1,087396E+08	2,261392E+08	4,646518E+08	7,799077E+08	1,087415E+09	1,285232E+09	1,285211E+09	1,087368E+09	7,798605E+08
-2749	4,646170E+08	2,261197E+08	1,087308E+08	1,087272E+08	2,261129E+08	4,646139E+08	7,798672E+08	1,087385E+09	1,285229E+09	1,285247E+09	1,087423E+09	7,799102E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2748	4,646511E+08	2,261300E+08	1,087274E+08	1,087268E+08	2,261248E+08	4,646423E+08	7,799077E+08	1,087427E+09	1,285262E+09	1,285262E+09	1,087421E+09	7,798830E+08
-2747	4,646061E+08	2,260970E+08	1,087090E+08	1,087111E+08	2,261050E+08	4,646224E+08	7,798992E+08	1,087435E+09	1,285272E+09	1,285252E+09	1,087399E+09	7,798815E+08
-2746	4,646238E+08	2,261112E+08	1,087097E+08	1,087008E+08	2,260847E+08	4,645903E+08	7,798604E+08	1,087410E+09	1,285286E+09	1,285306E+09	1,087461E+09	7,799236E+08
-2745	4,646339E+08	2,260967E+08	1,086959E+08	1,086988E+08	2,261023E+08	4,646294E+08	7,799080E+08	1,087451E+09	1,285313E+09	1,285316E+09	1,087444E+09	7,798771E+08
-2744	4,645884E+08	2,260699E+08	1,086787E+08	1,086790E+08	2,260741E+08	4,646031E+08	7,798973E+08	1,087452E+09	1,285308E+09	1,285307E+09	1,087451E+09	7,799042E+08
-2743	4,646179E+08	2,260877E+08	1,086810E+08	1,086760E+08	2,260724E+08	4,646032E+08	7,798982E+08	1,087457E+09	1,285327E+09	1,285335E+09	1,087482E+09	7,799227E+08
-2742	4,646054E+08	2,260638E+08	1,086679E+08	1,086735E+08	2,260808E+08	4,646242E+08	7,799315E+08	1,087496E+09	1,285352E+09	1,285324E+09	1,087434E+09	7,798756E+08
-2741	4,645887E+08	2,260627E+08	1,086671E+08	1,086643E+08	2,260569E+08	4,645866E+08	7,798883E+08	1,087460E+09	1,285339E+09	1,285346E+09	1,087473E+09	7,799123E+08
-2740	4,646239E+08	2,260882E+08	1,086799E+08	1,086775E+08	2,260780E+08	4,646117E+08	7,799076E+08	1,087468E+09	1,285340E+09	1,285346E+09	1,087477E+09	7,799000E+08
-2739	4,645910E+08	2,260666E+08	1,086774E+08	1,086837E+08	2,260872E+08	4,646199E+08	7,799115E+08	1,087462E+09	1,285313E+09	1,285293E+09	1,087421E+09	7,798786E+08
-2738	4,646054E+08	2,260923E+08	1,086978E+08	1,086936E+08	2,260827E+08	4,645948E+08	7,798659E+08	1,087408E+09	1,285274E+09	1,285292E+09	1,087455E+09	7,799260E+08
-2737	4,646436E+08	2,261098E+08	1,087101E+08	1,087144E+08	2,261178E+08	4,646398E+08	7,799052E+08	1,087424E+09	1,285259E+09	1,285258E+09	1,087413E+09	7,798769E+08
-2736	4,646077E+08	2,261019E+08	1,087164E+08	1,087202E+08	2,261137E+08	4,646271E+08	7,798939E+08	1,087410E+09	1,285222E+09	1,285200E+09	1,087369E+09	7,798736E+08
-2735	4,646387E+08	2,261410E+08	1,087429E+08	1,087367E+08	2,261213E+08	4,646166E+08	7,798619E+08	1,087371E+09	1,285202E+09	1,285208E+09	1,087393E+09	7,798974E+08
-2734	4,646440E+08	2,261375E+08	1,087488E+08	1,087542E+08	2,261519E+08	4,646533E+08	7,798915E+08	1,087385E+09	1,285196E+09	1,285180E+09	1,087341E+09	7,798419E+08
-2733	4,646174E+08	2,261363E+08	1,087547E+08	1,087545E+08	2,261395E+08	4,646289E+08	7,798582E+08	1,087346E+09	1,285165E+09	1,285175E+09	1,087363E+09	7,798781E+08
-2732	4,646548E+08	2,261633E+08	1,087671E+08	1,087636E+08	2,261525E+08	4,646450E+08	7,798724E+08	1,087354E+09	1,285170E+09	1,285183E+09	1,087382E+09	7,798860E+08
-2731	4,646341E+08	2,261381E+08	1,087561E+08	1,087629E+08	2,261595E+08	4,646600E+08	7,798962E+08	1,087380E+09	1,285176E+09	1,285153E+09	1,087328E+09	7,798499E+08
-2730	4,646318E+08	2,261462E+08	1,087575E+08	1,087515E+08	2,261309E+08	4,646171E+08	7,798520E+08	1,087352E+09	1,285180E+09	1,285190E+09	1,087383E+09	7,799010E+08
-2729	4,646632E+08	2,261532E+08	1,087532E+08	1,087513E+08	2,261432E+08	4,646429E+08	7,798845E+08	1,087386E+09	1,285212E+09	1,285215E+09	1,087388E+09	7,798724E+08
-2728	4,646173E+08	2,261199E+08	1,087347E+08	1,087366E+08	2,261266E+08	4,646308E+08	7,798881E+08	1,087403E+09	1,285224E+09	1,285207E+09	1,087367E+09	7,798633E+08
-2727	4,646245E+08	2,261280E+08	1,087324E+08	1,087251E+08	2,261092E+08	4,646072E+08	7,798580E+08	1,087380E+09	1,285236E+09	1,285258E+09	1,087431E+09	7,799106E+08
-2726	4,646360E+08	2,261121E+08	1,087168E+08	1,087207E+08	2,261231E+08	4,646425E+08	7,799047E+08	1,087422E+09	1,285261E+09	1,285261E+09	1,087409E+09	7,798678E+08
-2725	4,645978E+08	2,260882E+08	1,086995E+08	1,087007E+08	2,260946E+08	4,646155E+08	7,798928E+08	1,087426E+09	1,285268E+09	1,285265E+09	1,087419E+09	7,798916E+08
-2724	4,646251E+08	2,261073E+08	1,087036E+08	1,086975E+08	2,260898E+08	4,646100E+08	7,798907E+08	1,087435E+09	1,285292E+09	1,285296E+09	1,087450E+09	7,799123E+08
-2723	4,646167E+08	2,260865E+08	1,086932E+08	1,086987E+08	2,261019E+08	4,646293E+08	7,799134E+08	1,087456E+09	1,285300E+09	1,285276E+09	1,087398E+09	7,798596E+08
-2722	4,645977E+08	2,260889E+08	1,086976E+08	1,086945E+08	2,260825E+08	4,645943E+08	7,798682E+08	1,087414E+09	1,285278E+09	1,285288E+09	1,087440E+09	7,799062E+08
-2721	4,646354E+08	2,261129E+08	1,087105E+08	1,087088E+08	2,261057E+08	4,646227E+08	7,798879E+08	1,087415E+09	1,285268E+09	1,285283E+09	1,087443E+09	7,798969E+08
-2720	4,646088E+08	2,260946E+08	1,087088E+08	1,087153E+08	2,261147E+08	4,646351E+08	7,799064E+08	1,087424E+09	1,285243E+09	1,285222E+09	1,087374E+09	7,798627E+08
-2719	4,646165E+08	2,261192E+08	1,087285E+08	1,087246E+08	2,261108E+08	4,646112E+08	7,798620E+08	1,087375E+09	1,285210E+09	1,285221E+09	1,087404E+09	7,799079E+08
-2718	4,646550E+08	2,261385E+08	1,087419E+08	1,087446E+08	2,261423E+08	4,646476E+08	7,798895E+08	1,087383E+09	1,285197E+09	1,285190E+09	1,087362E+09	7,798579E+08
-2717	4,646203E+08	2,261312E+08	1,087490E+08	1,087524E+08	2,261413E+08	4,646366E+08	7,798738E+08	1,087363E+09	1,285167E+09	1,285151E+09	1,087329E+09	7,798544E+08
-2716	4,646456E+08	2,261670E+08	1,087744E+08	1,087680E+08	2,261489E+08	4,646288E+08	7,798477E+08	1,087330E+09	1,285147E+09	1,285159E+09	1,087362E+09	7,798874E+08
-2715	4,646548E+08	2,261621E+08	1,087781E+08	1,087848E+08	2,261806E+08	4,646679E+08	7,798790E+08	1,087339E+09	1,285128E+09	1,285118E+09	1,087304E+09	7,798308E+08
-2714	4,646284E+08	2,261618E+08	1,087844E+08	1,087842E+08	2,261654E+08	4,646421E+08	7,798511E+08	1,087312E+09	1,285104E+09	1,285109E+09	1,087327E+09	7,798738E+08
-2713	4,646686E+08	2,261866E+08	1,087940E+08	1,087900E+08	2,261743E+08	4,646528E+08	7,798601E+08	1,087321E+09	1,285119E+09	1,285129E+09	1,087345E+09	7,798782E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2712	4,646505E+08	2,261641E+08	1,087830E+08	1,087879E+08	2,261780E+08	4,646657E+08	7,798880E+08	1,087354E+09	1,285132E+09	1,285106E+09	1,087289E+09	7,798296E+08
-2711	4,646364E+08	2,261671E+08	1,087825E+08	1,087766E+08	2,261523E+08	4,646248E+08	7,798393E+08	1,087320E+09	1,285135E+09	1,285148E+09	1,087352E+09	7,798837E+08
-2710	4,646660E+08	2,261717E+08	1,087765E+08	1,087749E+08	2,261636E+08	4,646483E+08	7,798643E+08	1,087341E+09	1,285157E+09	1,285168E+09	1,087360E+09	7,798627E+08
-2709	4,646239E+08	2,261375E+08	1,087565E+08	1,087600E+08	2,261496E+08	4,646436E+08	7,798754E+08	1,087360E+09	1,285170E+09	1,285164E+09	1,087342E+09	7,798562E+08
-2708	4,646309E+08	2,261439E+08	1,087524E+08	1,087457E+08	2,261283E+08	4,646198E+08	7,798564E+08	1,087355E+09	1,285187E+09	1,285208E+09	1,087400E+09	7,799050E+08
-2707	4,646487E+08	2,261311E+08	1,087372E+08	1,087414E+08	2,261415E+08	4,646512E+08	7,798983E+08	1,087395E+09	1,285210E+09	1,285203E+09	1,087367E+09	7,798535E+08
-2706	4,646095E+08	2,261127E+08	1,087253E+08	1,087246E+08	2,261132E+08	4,646213E+08	7,798831E+08	1,087400E+09	1,285223E+09	1,285211E+09	1,087381E+09	7,798802E+08
-2705	4,646348E+08	2,261299E+08	1,087306E+08	1,087239E+08	2,261107E+08	4,646142E+08	7,798716E+08	1,087397E+09	1,285245E+09	1,285252E+09	1,087418E+09	7,799001E+08
-2704	4,646286E+08	2,261120E+08	1,087223E+08	1,087275E+08	2,261265E+08	4,646411E+08	7,799048E+08	1,087422E+09	1,285247E+09	1,285227E+09	1,087366E+09	7,798431E+08
-2703	4,646025E+08	2,261109E+08	1,087261E+08	1,087248E+08	2,261116E+08	4,646123E+08	7,798634E+08	1,087378E+09	1,285217E+09	1,285230E+09	1,087405E+09	7,798946E+08
-2702	4,646446E+08	2,261359E+08	1,087385E+08	1,087374E+08	2,261308E+08	4,646339E+08	7,798761E+08	1,087375E+09	1,285202E+09	1,285215E+09	1,087401E+09	7,798880E+08
-2701	4,646253E+08	2,261222E+08	1,087386E+08	1,087452E+08	2,261410E+08	4,646466E+08	7,798920E+08	1,087383E+09	1,285186E+09	1,285164E+09	1,087332E+09	7,798484E+08
-2700	4,646295E+08	2,261476E+08	1,087598E+08	1,087542E+08	2,261342E+08	4,646186E+08	7,798474E+08	1,087337E+09	1,285154E+09	1,285162E+09	1,087360E+09	7,798915E+08
-2699	4,646681E+08	2,261676E+08	1,087747E+08	1,087772E+08	2,261695E+08	4,646543E+08	7,798662E+08	1,087331E+09	1,285127E+09	1,285125E+09	1,087316E+09	7,798384E+08
-2698	4,646308E+08	2,261619E+08	1,087847E+08	1,087877E+08	2,261722E+08	4,646490E+08	7,798551E+08	1,087312E+09	1,285094E+09	1,285082E+09	1,087290E+09	7,798448E+08
-2697	4,646556E+08	2,261919E+08	1,088065E+08	1,088011E+08	2,261787E+08	4,646431E+08	7,798329E+08	1,087281E+09	1,285076E+09	1,285095E+09	1,087325E+09	7,798800E+08
-2696	4,646706E+08	2,261892E+08	1,088085E+08	1,088151E+08	2,262069E+08	4,646840E+08	7,798788E+08	1,087309E+09	1,285067E+09	1,285053E+09	1,087262E+09	7,798160E+08
-2695	4,646382E+08	2,261858E+08	1,088120E+08	1,088120E+08	2,261899E+08	4,646552E+08	7,798474E+08	1,087287E+09	1,285054E+09	1,285052E+09	1,087285E+09	7,798577E+08
-2694	4,646779E+08	2,262102E+08	1,088200E+08	1,088148E+08	2,261929E+08	4,646554E+08	7,798427E+08	1,087286E+09	1,285070E+09	1,285079E+09	1,087308E+09	7,798646E+08
-2693	4,646612E+08	2,261873E+08	1,088086E+08	1,088134E+08	2,261997E+08	4,646714E+08	7,798669E+08	1,087312E+09	1,285089E+09	1,285071E+09	1,087264E+09	7,798163E+08
-2692	4,646411E+08	2,261857E+08	1,088054E+08	1,087997E+08	2,261734E+08	4,646353E+08	7,798289E+08	1,087286E+09	1,285087E+09	1,285106E+09	1,087328E+09	7,798763E+08
-2691	4,646735E+08	2,261886E+08	1,087975E+08	1,087976E+08	2,261855E+08	4,646603E+08	7,798559E+08	1,087304E+09	1,285097E+09	1,285112E+09	1,087328E+09	7,798537E+08
-2690	4,646334E+08	2,261573E+08	1,087789E+08	1,087826E+08	2,261703E+08	4,646561E+08	7,798739E+08	1,087337E+09	1,285120E+09	1,285104E+09	1,087306E+09	7,798498E+08
-2689	4,646411E+08	2,261622E+08	1,087739E+08	1,087671E+08	2,261462E+08	4,646273E+08	7,798498E+08	1,087333E+09	1,285149E+09	1,285162E+09	1,087365E+09	7,798928E+08
-2688	4,646612E+08	2,261546E+08	1,087618E+08	1,087641E+08	2,261583E+08	4,646577E+08	7,798947E+08	1,087376E+09	1,285173E+09	1,285161E+09	1,087331E+09	7,798323E+08
-2687	4,646122E+08	2,261329E+08	1,087508E+08	1,087507E+08	2,261355E+08	4,646293E+08	7,798716E+08	1,087371E+09	1,285182E+09	1,285172E+09	1,087352E+09	7,798639E+08
-2686	4,646391E+08	2,261504E+08	1,087563E+08	1,087502E+08	2,261332E+08	4,646203E+08	7,798508E+08	1,087351E+09	1,285187E+09	1,285204E+09	1,087392E+09	7,798935E+08
-2685	4,646398E+08	2,261346E+08	1,087489E+08	1,087554E+08	2,261521E+08	4,646524E+08	7,798864E+08	1,087372E+09	1,285185E+09	1,285176E+09	1,087337E+09	7,798372E+08
-2684	4,646149E+08	2,261344E+08	1,087532E+08	1,087519E+08	2,261353E+08	4,646243E+08	7,798547E+08	1,087340E+09	1,285153E+09	1,285164E+09	1,087366E+09	7,798880E+08
-2683	4,646626E+08	2,261638E+08	1,087679E+08	1,087666E+08	2,261550E+08	4,646408E+08	7,798583E+08	1,087328E+09	1,285129E+09	1,285138E+09	1,087349E+09	7,798714E+08
-2682	4,646410E+08	2,261549E+08	1,087734E+08	1,087783E+08	2,261679E+08	4,646549E+08	7,798744E+08	1,087339E+09	1,285116E+09	1,285089E+09	1,087282E+09	7,798323E+08
-2681	4,646410E+08	2,261768E+08	1,087947E+08	1,087891E+08	2,261639E+08	4,646290E+08	7,798279E+08	1,087289E+09	1,285089E+09	1,285100E+09	1,087317E+09	7,798729E+08
-2680	4,646792E+08	2,261975E+08	1,088094E+08	1,088120E+08	2,262006E+08	4,646729E+08	7,798618E+08	1,087292E+09	1,285061E+09	1,285061E+09	1,087274E+09	7,798179E+08
-2679	4,646349E+08	2,261859E+08	1,088164E+08	1,088216E+08	2,262049E+08	4,646711E+08	7,798556E+08	1,087281E+09	1,285035E+09	1,285020E+09	1,087250E+09	7,798300E+08
-2678	4,646641E+08	2,262147E+08	1,088344E+08	1,088300E+08	2,262042E+08	4,646555E+08	7,798248E+08	1,087248E+09	1,285020E+09	1,285034E+09	1,087286E+09	7,798697E+08
-2677	4,646850E+08	2,262147E+08	1,088360E+08	1,088424E+08	2,262302E+08	4,646929E+08	7,798646E+08	1,087276E+09	1,285024E+09	1,285008E+09	1,087229E+09	7,798045E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,646491E+08	2,262100E+08	1,088385E+08	1,088370E+08	2,262090E+08	4,646593E+08	7,798327E+08	1,087255E+09	1,285011E+09	1,285008E+09	1,087255E+09	7,798477E+08
-2675	4,646889E+08	2,262331E+08	1,088460E+08	1,088408E+08	2,262137E+08	4,646565E+08	7,798165E+08	1,087237E+09	1,285010E+09	1,285026E+09	1,087276E+09	7,798533E+08
-2674	4,646709E+08	2,262114E+08	1,088358E+08	1,088402E+08	2,262233E+08	4,646801E+08	7,798490E+08	1,087266E+09	1,285023E+09	1,285011E+09	1,087235E+09	7,798127E+08
-2673	4,646502E+08	2,262049E+08	1,088292E+08	1,088241E+08	2,261955E+08	4,646465E+08	7,798187E+08	1,087247E+09	1,285028E+09	1,285050E+09	1,087295E+09	7,798682E+08
-2672	4,646861E+08	2,262105E+08	1,088206E+08	1,088198E+08	2,262049E+08	4,646743E+08	7,798606E+08	1,087285E+09	1,285048E+09	1,285054E+09	1,087286E+09	7,798369E+08
-2671	4,646400E+08	2,261772E+08	1,088016E+08	1,088054E+08	2,261905E+08	4,646677E+08	7,798740E+08	1,087323E+09	1,285086E+09	1,285057E+09	1,087267E+09	7,798309E+08
-2670	4,646465E+08	2,261815E+08	1,087962E+08	1,087889E+08	2,261629E+08	4,646295E+08	7,798346E+08	1,087305E+09	1,285113E+09	1,285122E+09	1,087333E+09	7,798783E+08
-2669	4,646685E+08	2,261759E+08	1,087863E+08	1,087891E+08	2,261800E+08	4,646635E+08	7,798741E+08	1,087338E+09	1,285136E+09	1,285132E+09	1,087312E+09	7,798228E+08
-2668	4,646176E+08	2,261522E+08	1,087749E+08	1,087754E+08	2,261577E+08	4,646394E+08	7,798593E+08	1,087333E+09	1,285131E+09	1,285128E+09	1,087330E+09	7,798597E+08
-2667	4,646492E+08	2,261709E+08	1,087812E+08	1,087767E+08	2,261567E+08	4,646290E+08	7,798348E+08	1,087304E+09	1,285117E+09	1,285139E+09	1,087358E+09	7,798879E+08
-2666	4,646552E+08	2,261614E+08	1,087778E+08	1,087839E+08	2,261771E+08	4,646640E+08	7,798759E+08	1,087333E+09	1,285115E+09	1,285100E+09	1,087295E+09	7,798307E+08
-2665	4,646300E+08	2,261614E+08	1,087832E+08	1,087813E+08	2,261598E+08	4,646335E+08	7,798409E+08	1,087302E+09	1,285092E+09	1,285096E+09	1,087316E+09	7,798705E+08
-2664	4,646776E+08	2,261952E+08	1,088013E+08	1,087984E+08	2,261810E+08	4,646528E+08	7,798506E+08	1,087293E+09	1,285068E+09	1,285071E+09	1,087297E+09	7,798453E+08
-2663	4,646460E+08	2,261822E+08	1,088074E+08	1,088137E+08	2,262002E+08	4,646702E+08	7,798625E+08	1,087300E+09	1,285056E+09	1,285027E+09	1,087237E+09	7,798097E+08
-2662	4,646458E+08	2,262014E+08	1,088262E+08	1,088223E+08	2,261941E+08	4,646427E+08	7,798119E+08	1,087241E+09	1,285022E+09	1,285037E+09	1,087279E+09	7,798604E+08
-2661	4,646889E+08	2,262229E+08	1,088402E+08	1,088442E+08	2,262308E+08	4,646888E+08	7,798493E+08	1,087250E+09	1,285002E+09	1,285005E+09	1,087241E+09	7,798102E+08
-2660	4,646472E+08	2,262109E+08	1,088448E+08	1,088498E+08	2,262292E+08	4,646832E+08	7,798496E+08	1,087251E+09	1,284981E+09	1,284961E+09	1,087214E+09	7,798235E+08
-2659	4,646806E+08	2,262418E+08	1,088630E+08	1,088578E+08	2,262256E+08	4,646585E+08	7,798049E+08	1,087207E+09	1,284960E+09	1,284973E+09	1,087244E+09	7,798582E+08
-2658	4,647010E+08	2,262455E+08	1,088674E+08	1,088716E+08	2,262527E+08	4,646966E+08	7,798432E+08	1,087232E+09	1,284964E+09	1,284948E+09	1,087192E+09	7,797954E+08
-2657	4,646606E+08	2,262358E+08	1,088679E+08	1,088659E+08	2,262334E+08	4,646662E+08	7,798119E+08	1,087209E+09	1,284954E+09	1,284956E+09	1,087221E+09	7,798360E+08
-2656	4,646994E+08	2,262579E+08	1,088737E+08	1,088683E+08	2,262388E+08	4,646725E+08	7,798124E+08	1,087200E+09	1,284948E+09	1,284967E+09	1,087239E+09	7,798378E+08
-2655	4,646737E+08	2,262297E+08	1,088601E+08	1,088666E+08	2,262496E+08	4,646987E+08	7,798511E+08	1,087242E+09	1,284973E+09	1,284955E+09	1,087197E+09	7,797984E+08
-2654	4,646561E+08	2,262219E+08	1,088495E+08	1,088456E+08	2,262151E+08	4,646573E+08	7,798153E+08	1,087226E+09	1,284988E+09	1,285002E+09	1,087259E+09	7,798551E+08
-2653	4,646938E+08	2,262301E+08	1,088419E+08	1,088408E+08	2,262227E+08	4,646807E+08	7,798499E+08	1,087264E+09	1,285022E+09	1,285021E+09	1,087257E+09	7,798231E+08
-2652	4,646453E+08	2,261959E+08	1,088230E+08	1,088257E+08	2,262062E+08	4,646709E+08	7,798624E+08	1,087300E+09	1,285056E+09	1,285027E+09	1,087244E+09	7,798214E+08
-2651	4,646533E+08	2,262002E+08	1,088189E+08	1,088125E+08	2,261819E+08	4,646300E+08	7,798090E+08	1,087259E+09	1,285059E+09	1,285078E+09	1,087309E+09	7,798718E+08
-2650	4,646776E+08	2,261983E+08	1,088120E+08	1,088149E+08	2,262026E+08	4,646714E+08	7,798550E+08	1,087289E+09	1,285068E+09	1,285072E+09	1,087286E+09	7,798243E+08
-2649	4,646296E+08	2,261737E+08	1,088005E+08	1,088017E+08	2,261812E+08	4,646502E+08	7,798460E+08	1,087289E+09	1,285063E+09	1,285063E+09	1,087293E+09	7,798546E+08
-2648	4,646665E+08	2,261982E+08	1,088092E+08	1,088036E+08	2,261800E+08	4,646430E+08	7,798318E+08	1,087269E+09	1,285049E+09	1,285063E+09	1,087306E+09	7,798702E+08
-2647	4,646657E+08	2,261886E+08	1,088082E+08	1,088143E+08	2,262040E+08	4,646772E+08	7,798692E+08	1,087303E+09	1,285060E+09	1,285032E+09	1,087240E+09	7,798072E+08
-2646	4,646392E+08	2,261887E+08	1,088140E+08	1,088122E+08	2,261859E+08	4,646419E+08	7,798239E+08	1,087262E+09	1,285036E+09	1,285037E+09	1,087268E+09	7,798476E+08
-2645	4,646844E+08	2,262227E+08	1,088339E+08	1,088319E+08	2,262117E+08	4,646660E+08	7,798328E+08	1,087251E+09	1,285018E+09	1,285021E+09	1,087260E+09	7,798283E+08
-2644	4,646516E+08	2,262067E+08	1,088381E+08	1,088454E+08	2,262298E+08	4,646873E+08	7,798560E+08	1,087264E+09	1,285001E+09	1,284973E+09	1,087205E+09	7,798014E+08
-2643	4,646562E+08	2,262253E+08	1,088558E+08	1,088537E+08	2,262217E+08	4,646541E+08	7,797985E+08	1,087198E+09	1,284954E+09	1,284971E+09	1,087241E+09	7,798544E+08
-2642	4,647052E+08	2,262525E+08	1,088720E+08	1,088751E+08	2,262568E+08	4,646995E+08	7,798371E+08	1,087211E+09	1,284936E+09	1,284936E+09	1,087203E+09	7,798071E+08
-2641	4,646648E+08	2,262407E+08	1,088768E+08	1,088800E+08	2,262526E+08	4,646886E+08	7,798307E+08	1,087210E+09	1,284925E+09	1,284904E+09	1,087173E+09	7,798114E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,646969E+08	2,262736E+08	1,088960E+08	1,088885E+08	2,262499E+08	4,646667E+08	7,797894E+08	1,087163E+09	1,284898E+09	1,284913E+09	1,087201E+09	7,798389E+08
-2639	4,647077E+08	2,262718E+08	1,088992E+08	1,089040E+08	2,262821E+08	4,647090E+08	7,798269E+08	1,087188E+09	1,284903E+09	1,284891E+09	1,087152E+09	7,797783E+08
-2638	4,646666E+08	2,262570E+08	1,088941E+08	1,088937E+08	2,262593E+08	4,646787E+08	7,797968E+08	1,087163E+09	1,284889E+09	1,284897E+09	1,087184E+09	7,798238E+08
-2637	4,647064E+08	2,262778E+08	1,088978E+08	1,088937E+08	2,262634E+08	4,646870E+08	7,798055E+08	1,087170E+09	1,284901E+09	1,284915E+09	1,087204E+09	7,798284E+08
-2636	4,646819E+08	2,262480E+08	1,088809E+08	1,088872E+08	2,262679E+08	4,647096E+08	7,798509E+08	1,087225E+09	1,284935E+09	1,284908E+09	1,087163E+09	7,797887E+08
-2635	4,646650E+08	2,262404E+08	1,088704E+08	1,088661E+08	2,262303E+08	4,646585E+08	7,798004E+08	1,087197E+09	1,284947E+09	1,284957E+09	1,087226E+09	7,798435E+08
-2634	4,647028E+08	2,262526E+08	1,088661E+08	1,088635E+08	2,262405E+08	4,646840E+08	7,798333E+08	1,087230E+09	1,284977E+09	1,284980E+09	1,087233E+09	7,798176E+08
-2633	4,646534E+08	2,262162E+08	1,088469E+08	1,088494E+08	2,262261E+08	4,646764E+08	7,798441E+08	1,087260E+09	1,285010E+09	1,284989E+09	1,087220E+09	7,798145E+08
-2632	4,646631E+08	2,262221E+08	1,088436E+08	1,088369E+08	2,262045E+08	4,646447E+08	7,798035E+08	1,087221E+09	1,284998E+09	1,285021E+09	1,087275E+09	7,798615E+08
-2631	4,646844E+08	2,262184E+08	1,088371E+08	1,088415E+08	2,262281E+08	4,646867E+08	7,798515E+08	1,087259E+09	1,285012E+09	1,285009E+09	1,087242E+09	7,798114E+08
-2630	4,646405E+08	2,261954E+08	1,088248E+08	1,088268E+08	2,262037E+08	4,646607E+08	7,798367E+08	1,087257E+09	1,285009E+09	1,285001E+09	1,087246E+09	7,798381E+08
-2629	4,646773E+08	2,262239E+08	1,088374E+08	1,088314E+08	2,262039E+08	4,646519E+08	7,798181E+08	1,087239E+09	1,285007E+09	1,285011E+09	1,087262E+09	7,798512E+08
-2628	4,646731E+08	2,262135E+08	1,088374E+08	1,088430E+08	2,262282E+08	4,646861E+08	7,798564E+08	1,087269E+09	1,285012E+09	1,284984E+09	1,087203E+09	7,797913E+08
-2627	4,646461E+08	2,262131E+08	1,088446E+08	1,088440E+08	2,262131E+08	4,646492E+08	7,798003E+08	1,087209E+09	1,284970E+09	1,284979E+09	1,087233E+09	7,798362E+08
-2626	4,646938E+08	2,262502E+08	1,088666E+08	1,088647E+08	2,262413E+08	4,646802E+08	7,798173E+08	1,087200E+09	1,284941E+09	1,284954E+09	1,087227E+09	7,798251E+08
-2625	4,646661E+08	2,262341E+08	1,088702E+08	1,088775E+08	2,262577E+08	4,647004E+08	7,798434E+08	1,087220E+09	1,284933E+09	1,284907E+09	1,087165E+09	7,797955E+08
-2624	4,646762E+08	2,262575E+08	1,088890E+08	1,088851E+08	2,262485E+08	4,646684E+08	7,797913E+08	1,087159E+09	1,284886E+09	1,284896E+09	1,087191E+09	7,798392E+08
-2623	4,647185E+08	2,262832E+08	1,089063E+08	1,089087E+08	2,262850E+08	4,647099E+08	7,798231E+08	1,087173E+09	1,284878E+09	1,284870E+09	1,087151E+09	7,797882E+08
-2622	4,646775E+08	2,262697E+08	1,089091E+08	1,089123E+08	2,262797E+08	4,646962E+08	7,798087E+08	1,087162E+09	1,284863E+09	1,284846E+09	1,087130E+09	7,797936E+08
-2621	4,647056E+08	2,263001E+08	1,089270E+08	1,089203E+08	2,262792E+08	4,646791E+08	7,797708E+08	1,087118E+09	1,284843E+09	1,284860E+09	1,087166E+09	7,798239E+08
-2620	4,647124E+08	2,262923E+08	1,089252E+08	1,089310E+08	2,263080E+08	4,647256E+08	7,798230E+08	1,087155E+09	1,284848E+09	1,284838E+09	1,087120E+09	7,797693E+08
-2619	4,646738E+08	2,262751E+08	1,089171E+08	1,089182E+08	2,262813E+08	4,646894E+08	7,797891E+08	1,087131E+09	1,284834E+09	1,284840E+09	1,087148E+09	7,798141E+08
-2618	4,647163E+08	2,262989E+08	1,089208E+08	1,089158E+08	2,262824E+08	4,646966E+08	7,798004E+08	1,087145E+09	1,284854E+09	1,284863E+09	1,087171E+09	7,798210E+08
-2617	4,646931E+08	2,262696E+08	1,089042E+08	1,089087E+08	2,262838E+08	4,647129E+08	7,798388E+08	1,087200E+09	1,284902E+09	1,284873E+09	1,087134E+09	7,797782E+08
-2616	4,646759E+08	2,262636E+08	1,088949E+08	1,088888E+08	2,262483E+08	4,646643E+08	7,797877E+08	1,087164E+09	1,284901E+09	1,284914E+09	1,087195E+09	7,798293E+08
-2615	4,647069E+08	2,262722E+08	1,088913E+08	1,088894E+08	2,262636E+08	4,646928E+08	7,798179E+08	1,087191E+09	1,284927E+09	1,284934E+09	1,087203E+09	7,798079E+08
-2614	4,646614E+08	2,262348E+08	1,088696E+08	1,088732E+08	2,262477E+08	4,646856E+08	7,798284E+08	1,087215E+09	1,284948E+09	1,284935E+09	1,087188E+09	7,798070E+08
-2613	4,646733E+08	2,262429E+08	1,088675E+08	1,088616E+08	2,262272E+08	4,646557E+08	7,797932E+08	1,087188E+09	1,284947E+09	1,284965E+09	1,087237E+09	7,798516E+08
-2612	4,646956E+08	2,262402E+08	1,088610E+08	1,088647E+08	2,262481E+08	4,646966E+08	7,798457E+08	1,087234E+09	1,284965E+09	1,284955E+09	1,087202E+09	7,797985E+08
-2611	4,646518E+08	2,262192E+08	1,088516E+08	1,088533E+08	2,262245E+08	4,646646E+08	7,798183E+08	1,087218E+09	1,284955E+09	1,284944E+09	1,087202E+09	7,798208E+08
-2610	4,646868E+08	2,262513E+08	1,088684E+08	1,088616E+08	2,262298E+08	4,646615E+08	7,798019E+08	1,087196E+09	1,284946E+09	1,284955E+09	1,087226E+09	7,798386E+08
-2609	4,646826E+08	2,262400E+08	1,088692E+08	1,088750E+08	2,262566E+08	4,646992E+08	7,798414E+08	1,087224E+09	1,284952E+09	1,284931E+09	1,087170E+09	7,797807E+08
-2608	4,646572E+08	2,262405E+08	1,088768E+08	1,088763E+08	2,262435E+08	4,646696E+08	7,797963E+08	1,087168E+09	1,284900E+09	1,284911E+09	1,087192E+09	7,798242E+08
-2607	4,647038E+08	2,262762E+08	1,088991E+08	1,088985E+08	2,262727E+08	4,646985E+08	7,798131E+08	1,087166E+09	1,284879E+09	1,284886E+09	1,087178E+09	7,798128E+08
-2606	4,646821E+08	2,262623E+08	1,089012E+08	1,089085E+08	2,262840E+08	4,647105E+08	7,798288E+08	1,087179E+09	1,284871E+09	1,284842E+09	1,087117E+09	7,797795E+08
-2605	4,646906E+08	2,262883E+08	1,089225E+08	1,089177E+08	2,262753E+08	4,646758E+08	7,797721E+08	1,087120E+09	1,284835E+09	1,284840E+09	1,087147E+09	7,798223E+08

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2604	4,647287E+08	2,263106E+08	1,089381E+08	1,089398E+08	2,263109E+08	4,647176E+08	7,798045E+08	1,087130E+09	1,284820E+09	1,284816E+09	1,087114E+09	7,797738E+08
-2603	4,646854E+08	2,262938E+08	1,089392E+08	1,089433E+08	2,263064E+08	4,647039E+08	7,797844E+08	1,087105E+09	1,284789E+09	1,284782E+09	1,087094E+09	7,797826E+08
-2602	4,647149E+08	2,263242E+08	1,089557E+08	1,089492E+08	2,263061E+08	4,646944E+08	7,797607E+08	1,087071E+09	1,284768E+09	1,284793E+09	1,087131E+09	7,798179E+08
-2601	4,647249E+08	2,263151E+08	1,089511E+08	1,089564E+08	2,263297E+08	4,647372E+08	7,798169E+08	1,087123E+09	1,284792E+09	1,284780E+09	1,087083E+09	7,797608E+08
-2600	4,646886E+08	2,263002E+08	1,089425E+08	1,089415E+08	2,263011E+08	4,647016E+08	7,797868E+08	1,087106E+09	1,284786E+09	1,284783E+09	1,087105E+09	7,797973E+08
-2599	4,647238E+08	2,263213E+08	1,089471E+08	1,089412E+08	2,263031E+08	4,647039E+08	7,797910E+08	1,087122E+09	1,284818E+09	1,284820E+09	1,087130E+09	7,798031E+08
-2598	4,647015E+08	2,262906E+08	1,089283E+08	1,089327E+08	2,263035E+08	4,647171E+08	7,798202E+08	1,087163E+09	1,284859E+09	1,284837E+09	1,087107E+09	7,797646E+08
-2597	4,646816E+08	2,262832E+08	1,089190E+08	1,089138E+08	2,262711E+08	4,646734E+08	7,797733E+08	1,087131E+09	1,284860E+09	1,284876E+09	1,087172E+09	7,798209E+08
-2596	4,647117E+08	2,262881E+08	1,089122E+08	1,089113E+08	2,262840E+08	4,647046E+08	7,798126E+08	1,087163E+09	1,284879E+09	1,284890E+09	1,087178E+09	7,798031E+08
-2595	4,646704E+08	2,262517E+08	1,088907E+08	1,088955E+08	2,262668E+08	4,646928E+08	7,798166E+08	1,087179E+09	1,284891E+09	1,284879E+09	1,087154E+09	7,797987E+08
-2594	4,646857E+08	2,262657E+08	1,088918E+08	1,088849E+08	2,262474E+08	4,646653E+08	7,797847E+08	1,087155E+09	1,284890E+09	1,284908E+09	1,087199E+09	7,798396E+08
-2593	4,647077E+08	2,262654E+08	1,088885E+08	1,088905E+08	2,262682E+08	4,647025E+08	7,798317E+08	1,087200E+09	1,284918E+09	1,284907E+09	1,087165E+09	7,797838E+08
-2592	4,646634E+08	2,262465E+08	1,088820E+08	1,088828E+08	2,262506E+08	4,646774E+08	7,798055E+08	1,087176E+09	1,284894E+09	1,284885E+09	1,087162E+09	7,798019E+08
-2591	4,646911E+08	2,262748E+08	1,089000E+08	1,088948E+08	2,262607E+08	4,646773E+08	7,797896E+08	1,087153E+09	1,284882E+09	1,284894E+09	1,087183E+09	7,798238E+08
-2590	4,646930E+08	2,262642E+08	1,088990E+08	1,089063E+08	2,262853E+08	4,647139E+08	7,798290E+08	1,087177E+09	1,284880E+09	1,284866E+09	1,087132E+09	7,797711E+08
-2589	4,646712E+08	2,262677E+08	1,089081E+08	1,089081E+08	2,262713E+08	4,646819E+08	7,797859E+08	1,087133E+09	1,284840E+09	1,284843E+09	1,087147E+09	7,798126E+08
-2588	4,647183E+08	2,263038E+08	1,089296E+08	1,089280E+08	2,262966E+08	4,647074E+08	7,798018E+08	1,087132E+09	1,284824E+09	1,284824E+09	1,087135E+09	7,797995E+08
-2587	4,646969E+08	2,262918E+08	1,089341E+08	1,089404E+08	2,263084E+08	4,647134E+08	7,798030E+08	1,087128E+09	1,284806E+09	1,284780E+09	1,087074E+09	7,797640E+08
-2586	4,647041E+08	2,263192E+08	1,089566E+08	1,089509E+08	2,263038E+08	4,646861E+08	7,797514E+08	1,087066E+09	1,284760E+09	1,284777E+09	1,087110E+09	7,798092E+08
-2585	4,647401E+08	2,263387E+08	1,089707E+08	1,089721E+08	2,263392E+08	4,647306E+08	7,797889E+08	1,087082E+09	1,284753E+09	1,284756E+09	1,087079E+09	7,797636E+08
-2584	4,646977E+08	2,263205E+08	1,089696E+08	1,089737E+08	2,263353E+08	4,647239E+08	7,797812E+08	1,087066E+09	1,284719E+09	1,284710E+09	1,087048E+09	7,797677E+08
-2583	4,647228E+08	2,263467E+08	1,089842E+08	1,089786E+08	2,263333E+08	4,647111E+08	7,797602E+08	1,087048E+09	1,284717E+09	1,284730E+09	1,087081E+09	7,798006E+08
-2582	4,647371E+08	2,263386E+08	1,089768E+08	1,089817E+08	2,263506E+08	4,647455E+08	7,798076E+08	1,087096E+09	1,284749E+09	1,284733E+09	1,087046E+09	7,797449E+08
-2581	4,646977E+08	2,263240E+08	1,089690E+08	1,089672E+08	2,263213E+08	4,647054E+08	7,797734E+08	1,087083E+09	1,284756E+09	1,284748E+09	1,087076E+09	7,797826E+08
-2580	4,647284E+08	2,263401E+08	1,089705E+08	1,089646E+08	2,263224E+08	4,647088E+08	7,797758E+08	1,087091E+09	1,284781E+09	1,284789E+09	1,087111E+09	7,797946E+08
-2579	4,647070E+08	2,263076E+08	1,089506E+08	1,089560E+08	2,263229E+08	4,647209E+08	7,797974E+08	1,087115E+09	1,284801E+09	1,284791E+09	1,087086E+09	7,797606E+08
-2578	4,646912E+08	2,263020E+08	1,089410E+08	1,089363E+08	2,262922E+08	4,646851E+08	7,797637E+08	1,087088E+09	1,284792E+09	1,284819E+09	1,087146E+09	7,798189E+08
-2577	4,647255E+08	2,263089E+08	1,089346E+08	1,089331E+08	2,263019E+08	4,647123E+08	7,798039E+08	1,087130E+09	1,284823E+09	1,284833E+09	1,087143E+09	7,797960E+08
-2576	4,646855E+08	2,262763E+08	1,089155E+08	1,089187E+08	2,262871E+08	4,647043E+08	7,798104E+08	1,087149E+09	1,284835E+09	1,284814E+09	1,087107E+09	7,797803E+08
-2575	4,646937E+08	2,262896E+08	1,089203E+08	1,089132E+08	2,262717E+08	4,646759E+08	7,797760E+08	1,087127E+09	1,284844E+09	1,284853E+09	1,087150E+09	7,798169E+08
-2574	4,647163E+08	2,262893E+08	1,089165E+08	1,089191E+08	2,262934E+08	4,647122E+08	7,798159E+08	1,087159E+09	1,284863E+09	1,284857E+09	1,087129E+09	7,797661E+08
-2573	4,646695E+08	2,262701E+08	1,089114E+08	1,089136E+08	2,262790E+08	4,646914E+08	7,797967E+08	1,087144E+09	1,284844E+09	1,284834E+09	1,087128E+09	7,797891E+08
-2572	4,646973E+08	2,262950E+08	1,089269E+08	1,089231E+08	2,262867E+08	4,646926E+08	7,797861E+08	1,087124E+09	1,284829E+09	1,284839E+09	1,087150E+09	7,798149E+08
-2571	4,647044E+08	2,262873E+08	1,089269E+08	1,089348E+08	2,263087E+08	4,647213E+08	7,798136E+08	1,087137E+09	1,284817E+09	1,284802E+09	1,087092E+09	7,797619E+08
-2570	4,646878E+08	2,262973E+08	1,089396E+08	1,089383E+08	2,262963E+08	4,646912E+08	7,797710E+08	1,087089E+09	1,284773E+09	1,284780E+09	1,087108E+09	7,798015E+08
-2569	4,647352E+08	2,263357E+08	1,089638E+08	1,089601E+08	2,263205E+08	4,647108E+08	7,797781E+08	1,087083E+09	1,284761E+09	1,284767E+09	1,087097E+09	7,797864E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,647121E+08	2,263243E+08	1,089696E+08	1,089751E+08	2,263390E+08	4,647262E+08	7,797819E+08	1,087071E+09	1,284726E+09	1,284707E+09	1,087029E+09	7,797466E+08
-2567	4,647126E+08	2,263472E+08	1,089917E+08	1,089870E+08	2,263375E+08	4,647039E+08	7,797382E+08	1,087016E+09	1,284685E+09	1,284702E+09	1,087058E+09	7,797915E+08
-2566	4,647517E+08	2,263644E+08	1,090013E+08	1,090038E+08	2,263682E+08	4,647466E+08	7,797794E+08	1,087038E+09	1,284680E+09	1,284685E+09	1,087034E+09	7,797498E+08
-2565	4,647099E+08	2,263465E+08	1,089991E+08	1,090035E+08	2,263616E+08	4,647369E+08	7,797783E+08	1,087045E+09	1,284672E+09	1,284650E+09	1,087005E+09	7,797521E+08
-2564	4,647314E+08	2,263685E+08	1,090098E+08	1,090039E+08	2,263542E+08	4,647202E+08	7,797554E+08	1,087029E+09	1,284682E+09	1,284687E+09	1,087046E+09	7,797850E+08
-2563	4,647443E+08	2,263603E+08	1,090027E+08	1,090069E+08	2,263696E+08	4,647471E+08	7,797873E+08	1,087059E+09	1,284705E+09	1,284693E+09	1,087021E+09	7,797345E+08
-2562	4,647065E+08	2,263461E+08	1,089943E+08	1,089923E+08	2,263432E+08	4,647136E+08	7,797573E+08	1,087040E+09	1,284701E+09	1,284708E+09	1,087057E+09	7,797763E+08
-2561	4,647368E+08	2,263600E+08	1,089940E+08	1,089879E+08	2,263421E+08	4,647165E+08	7,797622E+08	1,087052E+09	1,284728E+09	1,284746E+09	1,087092E+09	7,797931E+08
-2560	4,647192E+08	2,263283E+08	1,089730E+08	1,089786E+08	2,263448E+08	4,647352E+08	7,797914E+08	1,087079E+09	1,284739E+09	1,284729E+09	1,087050E+09	7,797521E+08
-2559	4,647008E+08	2,263216E+08	1,089641E+08	1,089600E+08	2,263140E+08	4,646975E+08	7,797603E+08	1,087064E+09	1,284743E+09	1,284755E+09	1,087095E+09	7,798022E+08
-2558	4,647376E+08	2,263311E+08	1,089581E+08	1,089560E+08	2,263205E+08	4,647187E+08	7,797931E+08	1,087101E+09	1,284777E+09	1,284781E+09	1,087103E+09	7,797787E+08
-2557	4,646944E+08	2,263005E+08	1,089425E+08	1,089454E+08	2,263086E+08	4,647093E+08	7,797988E+08	1,087126E+09	1,284798E+09	1,284769E+09	1,087070E+09	7,797608E+08
-2556	4,646961E+08	2,263085E+08	1,089456E+08	1,089397E+08	2,262951E+08	4,646852E+08	7,797635E+08	1,087095E+09	1,284800E+09	1,284811E+09	1,087123E+09	7,798023E+08
-2555	4,647198E+08	2,263092E+08	1,089429E+08	1,089466E+08	2,263172E+08	4,647206E+08	7,797971E+08	1,087110E+09	1,284798E+09	1,284802E+09	1,087102E+09	7,797604E+08
-2554	4,646812E+08	2,262937E+08	1,089389E+08	1,089414E+08	2,263042E+08	4,647044E+08	7,797860E+08	1,087098E+09	1,284772E+09	1,284771E+09	1,087096E+09	7,797842E+08
-2553	4,647146E+08	2,263230E+08	1,089564E+08	1,089513E+08	2,263087E+08	4,646990E+08	7,797714E+08	1,087084E+09	1,284768E+09	1,284777E+09	1,087112E+09	7,798082E+08
-2552	4,647246E+08	2,263204E+08	1,089601E+08	1,089661E+08	2,263347E+08	4,647306E+08	7,797954E+08	1,087090E+09	1,284747E+09	1,284727E+09	1,087041E+09	7,797450E+08
-2551	4,647016E+08	2,263299E+08	1,089766E+08	1,089749E+08	2,263275E+08	4,647026E+08	7,797531E+08	1,087043E+09	1,284705E+09	1,284707E+09	1,087051E+09	7,797800E+08
-2550	4,647482E+08	2,263665E+08	1,089994E+08	1,089962E+08	2,263527E+08	4,647240E+08	7,797580E+08	1,087028E+09	1,284685E+09	1,284699E+09	1,087054E+09	7,797690E+08
-2549	4,647210E+08	2,263529E+08	1,090044E+08	1,090112E+08	2,263726E+08	4,647444E+08	7,797756E+08	1,087035E+09	1,284662E+09	1,284638E+09	1,086985E+09	7,797302E+08
-2548	4,647185E+08	2,263690E+08	1,090205E+08	1,090179E+08	2,263670E+08	4,647235E+08	7,797394E+08	1,086991E+09	1,284631E+09	1,284642E+09	1,087017E+09	7,797757E+08
-2547	4,647591E+08	2,263871E+08	1,090285E+08	1,090313E+08	2,263915E+08	4,647564E+08	7,797697E+08	1,087006E+09	1,284629E+09	1,284628E+09	1,086995E+09	7,797376E+08
-2546	4,647222E+08	2,263720E+08	1,090265E+08	1,090298E+08	2,263834E+08	4,647457E+08	7,797683E+08	1,087013E+09	1,284625E+09	1,284605E+09	1,086974E+09	7,797412E+08
-2545	4,647431E+08	2,263935E+08	1,090371E+08	1,090296E+08	2,263729E+08	4,647214E+08	7,797360E+08	1,086994E+09	1,284641E+09	1,284651E+09	1,087024E+09	7,797783E+08
-2544	4,647553E+08	2,263844E+08	1,090290E+08	1,090330E+08	2,263928E+08	4,647550E+08	7,797663E+08	1,087011E+09	1,284643E+09	1,284640E+09	1,086993E+09	7,797276E+08
-2543	4,647146E+08	2,263671E+08	1,090201E+08	1,090190E+08	2,263679E+08	4,647261E+08	7,797450E+08	1,086998E+09	1,284638E+09	1,284647E+09	1,087019E+09	7,797687E+08
-2542	4,647492E+08	2,263801E+08	1,090165E+08	1,090109E+08	2,263621E+08	4,647250E+08	7,797498E+08	1,087011E+09	1,284664E+09	1,284684E+09	1,087055E+09	7,797844E+08
-2541	4,647311E+08	2,263506E+08	1,089966E+08	1,090017E+08	2,263639E+08	4,647424E+08	7,797865E+08	1,087060E+09	1,284695E+09	1,284671E+09	1,087007E+09	7,797363E+08
-2540	4,647078E+08	2,263409E+08	1,089862E+08	1,089820E+08	2,263325E+08	4,647054E+08	7,797548E+08	1,087046E+09	1,284711E+09	1,284713E+09	1,087057E+09	7,797812E+08
-2539	4,647403E+08	2,263510E+08	1,089823E+08	1,089798E+08	2,263395E+08	4,647218E+08	7,797748E+08	1,087066E+09	1,284733E+09	1,284738E+09	1,087072E+09	7,797640E+08
-2538	4,647006E+08	2,263219E+08	1,089680E+08	1,089714E+08	2,263330E+08	4,647217E+08	7,797871E+08	1,087086E+09	1,284744E+09	1,284727E+09	1,087047E+09	7,797518E+08
-2537	4,647033E+08	2,263293E+08	1,089712E+08	1,089658E+08	2,263178E+08	4,646955E+08	7,797531E+08	1,087059E+09	1,284747E+09	1,284764E+09	1,087099E+09	7,797994E+08
-2536	4,647320E+08	2,263329E+08	1,089696E+08	1,089741E+08	2,263431E+08	4,647351E+08	7,797878E+08	1,087070E+09	1,284731E+09	1,284733E+09	1,087063E+09	7,797531E+08
-2535	4,646952E+08	2,263207E+08	1,089695E+08	1,089721E+08	2,263312E+08	4,647172E+08	7,797763E+08	1,087063E+09	1,284712E+09	1,284700E+09	1,087043E+09	7,797691E+08
-2534	4,647313E+08	2,263535E+08	1,089888E+08	1,089828E+08	2,263339E+08	4,647053E+08	7,797510E+08	1,087038E+09	1,284703E+09	1,284712E+09	1,087066E+09	7,797916E+08
-2533	4,647380E+08	2,263529E+08	1,089962E+08	1,090017E+08	2,263641E+08	4,647385E+08	7,797776E+08	1,087051E+09	1,284687E+09	1,284663E+09	1,086996E+09	7,797255E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,647083E+08	2,263560E+08	1,090096E+08	1,090096E+08	2,263597E+08	4,647182E+08	7,797392E+08	1,086998E+09	1,284642E+09	1,284644E+09	1,087009E+09	7,797612E+08
-2531	4,647530E+08	2,263912E+08	1,090311E+08	1,090292E+08	2,263828E+08	4,647385E+08	7,797428E+08	1,086977E+09	1,284609E+09	1,284626E+09	1,087012E+09	7,797590E+08
-2530	4,647336E+08	2,263792E+08	1,090347E+08	1,090422E+08	2,264014E+08	4,647620E+08	7,797701E+08	1,086993E+09	1,284591E+09	1,284571E+09	1,086945E+09	7,797199E+08
-2529	4,647328E+08	2,263961E+08	1,090498E+08	1,090459E+08	2,263891E+08	4,647317E+08	7,797303E+08	1,086961E+09	1,284581E+09	1,284587E+09	1,086981E+09	7,797664E+08
-2528	4,647742E+08	2,264166E+08	1,090588E+08	1,090599E+08	2,264155E+08	4,647646E+08	7,797538E+08	1,086968E+09	1,284574E+09	1,284570E+09	1,086954E+09	7,797250E+08
-2527	4,647342E+08	2,264001E+08	1,090580E+08	1,090604E+08	2,264088E+08	4,647533E+08	7,797500E+08	1,086974E+09	1,284574E+09	1,284552E+09	1,086933E+09	7,797270E+08
-2526	4,647541E+08	2,264183E+08	1,090653E+08	1,090578E+08	2,263969E+08	4,647286E+08	7,797150E+08	1,086946E+09	1,284581E+09	1,284602E+09	1,086996E+09	7,797703E+08
-2525	4,647646E+08	2,264074E+08	1,090558E+08	1,090601E+08	2,264164E+08	4,647653E+08	7,797586E+08	1,086981E+09	1,284589E+09	1,284583E+09	1,086958E+09	7,797181E+08
-2524	4,647204E+08	2,263834E+08	1,090412E+08	1,090417E+08	2,263894E+08	4,647391E+08	7,797432E+08	1,086976E+09	1,284594E+09	1,284594E+09	1,086981E+09	7,797546E+08
-2523	4,647546E+08	2,263982E+08	1,090375E+08	1,090316E+08	2,263794E+08	4,647312E+08	7,797389E+08	1,086981E+09	1,284617E+09	1,284632E+09	1,087018E+09	7,797724E+08
-2522	4,647406E+08	2,263720E+08	1,090195E+08	1,090236E+08	2,263824E+08	4,647497E+08	7,797759E+08	1,087028E+09	1,284652E+09	1,284632E+09	1,086976E+09	7,797223E+08
-2521	4,647149E+08	2,263621E+08	1,090104E+08	1,090054E+08	2,263508E+08	4,647086E+08	7,797385E+08	1,087014E+09	1,284672E+09	1,284680E+09	1,087035E+09	7,797714E+08
-2520	4,647466E+08	2,263725E+08	1,090076E+08	1,090059E+08	2,263645E+08	4,647331E+08	7,797571E+08	1,087020E+09	1,284673E+09	1,284684E+09	1,087041E+09	7,797559E+08
-2519	4,647086E+08	2,263437E+08	1,089950E+08	1,089996E+08	2,263596E+08	4,647367E+08	7,797782E+08	1,087047E+09	1,284683E+09	1,284662E+09	1,087006E+09	7,797442E+08
-2518	4,647170E+08	2,263527E+08	1,089977E+08	1,089928E+08	2,263412E+08	4,647056E+08	7,797411E+08	1,087018E+09	1,284681E+09	1,284698E+09	1,087060E+09	7,797923E+08
-2517	4,647476E+08	2,263611E+08	1,089997E+08	1,090032E+08	2,263663E+08	4,647428E+08	7,797796E+08	1,087044E+09	1,284677E+09	1,284666E+09	1,087014E+09	7,797381E+08
-2516	4,647062E+08	2,263472E+08	1,089998E+08	1,090026E+08	2,263572E+08	4,647274E+08	7,797643E+08	1,087030E+09	1,284663E+09	1,284643E+09	1,086996E+09	7,797480E+08
-2515	4,647387E+08	2,263814E+08	1,090214E+08	1,090151E+08	2,263614E+08	4,647133E+08	7,797279E+08	1,086986E+09	1,284637E+09	1,284651E+09	1,087025E+09	7,797760E+08
-2514	4,647479E+08	2,263811E+08	1,090292E+08	1,090355E+08	2,263962E+08	4,647560E+08	7,797637E+08	1,086998E+09	1,284616E+09	1,284603E+09	1,086959E+09	7,797131E+08
-2513	4,647187E+08	2,263827E+08	1,090413E+08	1,090418E+08	2,263885E+08	4,647335E+08	7,797311E+08	1,086960E+09	1,284579E+09	1,284583E+09	1,086972E+09	7,797523E+08
-2512	4,647650E+08	2,264179E+08	1,090615E+08	1,090604E+08	2,264122E+08	4,647547E+08	7,797341E+08	1,086938E+09	1,284541E+09	1,284551E+09	1,086962E+09	7,797466E+08
-2511	4,647482E+08	2,264087E+08	1,090673E+08	1,090739E+08	2,264286E+08	4,647749E+08	7,797620E+08	1,086963E+09	1,284538E+09	1,284505E+09	1,086893E+09	7,797045E+08
-2510	4,647481E+08	2,264257E+08	1,090816E+08	1,090763E+08	2,264122E+08	4,647357E+08	7,797099E+08	1,086919E+09	1,284527E+09	1,284535E+09	1,086945E+09	7,797528E+08
-2509	4,647852E+08	2,264454E+08	1,090915E+08	1,090917E+08	2,264402E+08	4,647691E+08	7,797357E+08	1,086932E+09	1,284522E+09	1,284519E+09	1,086920E+09	7,797123E+08
-2508	4,647403E+08	2,264219E+08	1,090858E+08	1,090895E+08	2,264355E+08	4,647651E+08	7,797344E+08	1,086931E+09	1,284519E+09	1,284504E+09	1,086903E+09	7,797150E+08
-2507	4,647589E+08	2,264378E+08	1,090897E+08	1,090829E+08	2,264194E+08	4,647379E+08	7,796979E+08	1,086897E+09	1,284513E+09	1,284541E+09	1,086963E+09	7,797648E+08
-2506	4,647764E+08	2,264281E+08	1,090785E+08	1,090829E+08	2,264376E+08	4,647772E+08	7,797505E+08	1,086942E+09	1,284530E+09	1,284528E+09	1,086923E+09	7,797092E+08
-2505	4,647326E+08	2,264051E+08	1,090635E+08	1,090625E+08	2,264057E+08	4,647443E+08	7,797347E+08	1,086952E+09	1,284553E+09	1,284547E+09	1,086946E+09	7,797428E+08
-2504	4,647638E+08	2,264203E+08	1,090612E+08	1,090548E+08	2,264000E+08	4,647388E+08	7,797256E+08	1,086948E+09	1,284569E+09	1,284579E+09	1,086978E+09	7,797570E+08
-2503	4,647482E+08	2,263948E+08	1,090461E+08	1,090501E+08	2,264063E+08	4,647610E+08	7,797654E+08	1,086996E+09	1,284607E+09	1,284583E+09	1,086939E+09	7,797080E+08
-2502	4,647216E+08	2,263824E+08	1,090353E+08	1,090312E+08	2,263742E+08	4,647198E+08	7,797263E+08	1,086975E+09	1,284619E+09	1,284634E+09	1,087009E+09	7,797637E+08
-2501	4,647535E+08	2,263931E+08	1,090333E+08	1,090323E+08	2,263879E+08	4,647461E+08	7,797559E+08	1,086997E+09	1,284624E+09	1,284630E+09	1,087006E+09	7,797478E+08
-2500	4,647167E+08	2,263621E+08	1,090183E+08	1,090244E+08	2,263828E+08	4,647502E+08	7,797753E+08	1,087024E+09	1,284640E+09	1,284611E+09	1,086966E+09	7,797296E+08
-2499	4,647257E+08	2,263758E+08	1,090237E+08	1,090180E+08	2,263617E+08	4,647113E+08	7,797248E+08	1,086980E+09	1,284627E+09	1,284641E+09	1,087019E+09	7,797813E+08
-2498	4,647618E+08	2,263892E+08	1,090298E+08	1,090320E+08	2,263899E+08	4,647494E+08	7,797600E+08	1,086998E+09	1,284620E+09	1,284616E+09	1,086978E+09	7,797241E+08
-2497	4,647181E+08	2,263756E+08	1,090320E+08	1,090340E+08	2,263828E+08	4,647335E+08	7,797421E+08	1,086983E+09	1,284602E+09	1,284590E+09	1,086963E+09	7,797366E+08

1 Longitude ☉	2	3	4	5	6	7	8	9	10	11	12	13
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
-2496	4,647495E+08	2,264097E+08	1,090545E+08	1,090493E+08	2,263939E+08	4,647288E+08	7,797079E+08	1,086927E+09	1,284554E+09	1,284575E+09	1,086980E+09	7,797650E+08
-2495	4,647613E+08	2,264105E+08	1,090637E+08	1,090703E+08	2,264283E+08	4,647744E+08	7,797538E+08	1,086950E+09	1,284536E+09	1,284520E+09	1,086905E+09	7,797002E+08
-2494	4,647345E+08	2,264122E+08	1,090742E+08	1,090744E+08	2,264162E+08	4,647457E+08	7,797189E+08	1,086918E+09	1,284509E+09	1,284510E+09	1,086925E+09	7,797395E+08
-2493	4,647799E+08	2,264494E+08	1,090961E+08	1,090934E+08	2,264382E+08	4,647641E+08	7,797264E+08	1,086912E+09	1,284488E+09	1,284486E+09	1,086911E+09	7,797280E+08
-2492	4,647584E+08	2,264362E+08	1,090996E+08	1,091062E+08	2,264559E+08	4,647848E+08	7,797485E+08	1,086929E+09	1,284492E+09	1,284457E+09	1,086852E+09	7,796839E+08
-2491	4,647543E+08	2,264518E+08	1,091128E+08	1,091073E+08	2,264387E+08	4,647435E+08	7,796872E+08	1,086869E+09	1,284465E+09	1,284484E+09	1,086914E+09	7,797430E+08
-2490	4,647947E+08	2,264696E+08	1,091203E+08	1,091210E+08	2,264674E+08	4,647830E+08	7,797205E+08	1,086881E+09	1,284458E+09	1,284470E+09	1,086893E+09	7,797057E+08
-2489	4,647506E+08	2,264433E+08	1,091111E+08	1,091151E+08	2,264581E+08	4,647765E+08	7,797261E+08	1,086896E+09	1,284463E+09	1,284452E+09	1,086874E+09	7,797099E+08
-2488	4,647703E+08	2,264585E+08	1,091127E+08	1,091068E+08	2,264426E+08	4,647505E+08	7,796891E+08	1,086861E+09	1,284452E+09	1,284475E+09	1,086918E+09	7,797530E+08
-2487	4,647891E+08	2,264517E+08	1,091036E+08	1,091068E+08	2,264581E+08	4,647877E+08	7,797444E+08	1,086917E+09	1,284485E+09	1,284470E+09	1,086876E+09	7,796930E+08
-2486	4,647429E+08	2,264277E+08	1,090883E+08	1,090864E+08	2,264243E+08	4,647487E+08	7,797208E+08	1,086921E+09	1,284512E+09	1,284506E+09	1,086915E+09	7,797280E+08
-2485	4,647688E+08	2,264414E+08	1,090872E+08	1,090806E+08	2,264212E+08	4,647465E+08	7,797176E+08	1,086925E+09	1,284529E+09	1,284537E+09	1,086946E+09	7,797421E+08
-2484	4,647503E+08	2,264110E+08	1,090688E+08	1,090748E+08	2,264302E+08	4,647750E+08	7,797590E+08	1,086966E+09	1,284564E+09	1,284544E+09	1,086913E+09	7,796963E+08
-2483	4,647254E+08	2,263993E+08	1,090571E+08	1,090537E+08	2,263943E+08	4,647293E+08	7,797149E+08	1,086936E+09	1,284561E+09	1,284581E+09	1,086980E+09	7,797598E+08
-2482	4,647664E+08	2,264141E+08	1,090564E+08	1,090551E+08	2,264074E+08	4,647548E+08	7,797450E+08	1,086960E+09	1,284570E+09	1,284580E+09	1,086973E+09	7,797411E+08
-2481	4,647327E+08	2,263878E+08	1,090446E+08	1,090487E+08	2,264008E+08	4,647531E+08	7,797595E+08	1,086990E+09	1,284592E+09	1,284563E+09	1,086932E+09	7,797196E+08
-2480	4,647397E+08	2,264036E+08	1,090536E+08	1,090474E+08	2,263870E+08	4,647175E+08	7,797011E+08	1,086929E+09	1,284560E+09	1,284576E+09	1,086973E+09	7,797657E+08
-2479	4,647752E+08	2,264197E+08	1,090642E+08	1,090659E+08	2,264200E+08	4,647624E+08	7,797423E+08	1,086948E+09	1,284550E+09	1,284547E+09	1,086931E+09	7,797089E+08
-2478	4,647298E+08	2,264042E+08	1,090659E+08	1,090685E+08	2,264139E+08	4,647487E+08	7,797276E+08	1,086932E+09	1,284526E+09	1,284521E+09	1,086922E+09	7,797232E+08
-2477	4,647587E+08	2,264367E+08	1,090883E+08	1,090837E+08	2,264246E+08	4,647472E+08	7,797082E+08	1,086897E+09	1,284487E+09	1,284499E+09	1,086927E+09	7,797469E+08
-2476	4,647705E+08	2,264353E+08	1,090947E+08	1,091028E+08	2,264586E+08	4,647930E+08	7,797523E+08	1,086923E+09	1,284484E+09	1,284458E+09	1,086856E+09	7,796790E+08
-2475	4,647431E+08	2,264396E+08	1,091056E+08	1,091049E+08	2,264412E+08	4,647544E+08	7,797037E+08	1,086878E+09	1,284452E+09	1,284452E+09	1,086883E+09	7,797250E+08
-2474	4,647924E+08	2,264781E+08	1,091287E+08	1,091252E+08	2,264644E+08	4,647718E+08	7,797057E+08	1,086865E+09	1,284434E+09	1,284442E+09	1,086879E+09	7,797156E+08
-2473	4,647708E+08	2,264640E+08	1,091315E+08	1,091375E+08	2,264815E+08	4,647908E+08	7,797254E+08	1,086881E+09	1,284434E+09	1,284410E+09	1,086827E+09	7,796775E+08
-2472	4,647656E+08	2,264767E+08	1,091423E+08	1,091382E+08	2,264681E+08	4,647564E+08	7,796668E+08	1,086811E+09	1,284384E+09	1,284413E+09	1,086875E+09	7,797369E+08
-2471	4,648094E+08	2,264952E+08	1,091493E+08	1,091498E+08	2,264933E+08	4,647974E+08	7,797115E+08	1,086838E+09	1,284384E+09	1,284393E+09	1,086847E+09	7,796970E+08
-2470	4,647657E+08	2,264680E+08	1,091375E+08	1,091406E+08	2,264792E+08	4,647853E+08	7,797163E+08	1,086861E+09	1,284402E+09	1,284387E+09	1,086831E+09	7,796968E+08
-2469	4,647817E+08	2,264833E+08	1,091397E+08	1,091320E+08	2,264622E+08	4,647590E+08	7,796874E+08	1,086844E+09	1,284410E+09	1,284419E+09	1,086870E+09	7,797310E+08
-2468	4,647945E+08	2,264722E+08	1,091283E+08	1,091318E+08	2,264802E+08	4,647980E+08	7,797376E+08	1,086895E+09	1,284453E+09	1,284435E+09	1,086842E+09	7,796704E+08
-2467	4,647440E+08	2,264465E+08	1,091118E+08	1,091101E+08	2,264454E+08	4,647572E+08	7,797072E+08	1,086887E+09	1,284468E+09	1,284470E+09	1,086892E+09	7,797187E+08
-2466	4,647740E+08	2,264586E+08	1,091097E+08	1,091040E+08	2,264431E+08	4,647587E+08	7,797083E+08	1,086890E+09	1,284485E+09	1,284504E+09	1,086927E+09	7,797374E+08
-2465	4,647594E+08	2,264286E+08	1,090900E+08	1,090960E+08	2,264478E+08	4,647822E+08	7,797511E+08	1,086940E+09	1,284520E+09	1,284504E+09	1,086891E+09	7,796942E+08
-2464	4,647382E+08	2,264197E+08	1,090796E+08	1,090768E+08	2,264151E+08	4,647370E+08	7,797009E+08	1,086897E+09	1,284501E+09	1,284520E+09	1,086940E+09	7,797519E+08
-2463	4,647833E+08	2,264415E+08	1,090847E+08	1,090812E+08	2,264276E+08	4,647600E+08	7,797284E+08	1,086920E+09	1,284512E+09	1,284517E+09	1,086929E+09	7,797275E+08
-2462	4,647467E+08	2,264162E+08	1,090757E+08	1,090787E+08	2,264241E+08	4,647569E+08	7,797357E+08	1,086941E+09	1,284528E+09	1,284506E+09	1,086895E+09	7,797047E+08
-2461	4,647495E+08	2,264318E+08	1,090874E+08	1,090813E+08	2,264162E+08	4,647307E+08	7,796894E+08	1,086887E+09	1,284492E+09	1,284508E+09	1,086926E+09	7,797453E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,647811E+08	2,264434E+08	1,090954E+08	1,090995E+08	2,264528E+08	4,647830E+08	7,797357E+08	1,086906E+09	1,284482E+09	1,284480E+09	1,086885E+09	7,796891E+08
-2459	4,647363E+08	2,264284E+08	1,090960E+08	1,090997E+08	2,264427E+08	4,647651E+08	7,797199E+08	1,086890E+09	1,284454E+09	1,284448E+09	1,086876E+09	7,797110E+08
-2458	4,647716E+08	2,264628E+08	1,091188E+08	1,091144E+08	2,264513E+08	4,647606E+08	7,796990E+08	1,086861E+09	1,284431E+09	1,284440E+09	1,086883E+09	7,797319E+08
-2457	4,647847E+08	2,264645E+08	1,091267E+08	1,091332E+08	2,264821E+08	4,647993E+08	7,797378E+08	1,086889E+09	1,284435E+09	1,284408E+09	1,086821E+09	7,796670E+08
-2456	4,647569E+08	2,264692E+08	1,091389E+08	1,091385E+08	2,264702E+08	4,647625E+08	7,796799E+08	1,086825E+09	1,284384E+09	1,284390E+09	1,086842E+09	7,797127E+08
-2455	4,648075E+08	2,265092E+08	1,091636E+08	1,091594E+08	2,264940E+08	4,647839E+08	7,796868E+08	1,086813E+09	1,284363E+09	1,284375E+09	1,086840E+09	7,797061E+08
-2454	4,647846E+08	2,264921E+08	1,091638E+08	1,091699E+08	2,265098E+08	4,648033E+08	7,797097E+08	1,086831E+09	1,284361E+09	1,284345E+09	1,086793E+09	7,796700E+08
-2453	4,647781E+08	2,265022E+08	1,091721E+08	1,091680E+08	2,264943E+08	4,647724E+08	7,796673E+08	1,086783E+09	1,284322E+09	1,284340E+09	1,086824E+09	7,797194E+08
-2452	4,648184E+08	2,265171E+08	1,091751E+08	1,091764E+08	2,265178E+08	4,648122E+08	7,797105E+08	1,086817E+09	1,284339E+09	1,284337E+09	1,086801E+09	7,796747E+08
-2451	4,647718E+08	2,264905E+08	1,091625E+08	1,091646E+08	2,264985E+08	4,647919E+08	7,797056E+08	1,086832E+09	1,284359E+09	1,284340E+09	1,086795E+09	7,796802E+08
-2450	4,647874E+08	2,265034E+08	1,091644E+08	1,091566E+08	2,264827E+08	4,647654E+08	7,796724E+08	1,086812E+09	1,284376E+09	1,284391E+09	1,086846E+09	7,797169E+08
-2449	4,648000E+08	2,264916E+08	1,091520E+08	1,091554E+08	2,265000E+08	4,648039E+08	7,797223E+08	1,086862E+09	1,284414E+09	1,284406E+09	1,086829E+09	7,796671E+08
-2448	4,647516E+08	2,264638E+08	1,091336E+08	1,091337E+08	2,264677E+08	4,647664E+08	7,796904E+08	1,086840E+09	1,284405E+09	1,284415E+09	1,086865E+09	7,797161E+08
-2447	4,647878E+08	2,264799E+08	1,091331E+08	1,091269E+08	2,264623E+08	4,647673E+08	7,796983E+08	1,086853E+09	1,284423E+09	1,284439E+09	1,086891E+09	7,797334E+08
-2446	4,647758E+08	2,264527E+08	1,091149E+08	1,091195E+08	2,264654E+08	4,647851E+08	7,797351E+08	1,086903E+09	1,284463E+09	1,284444E+09	1,086855E+09	7,796849E+08
-2445	4,647517E+08	2,264457E+08	1,091080E+08	1,091036E+08	2,264359E+08	4,647445E+08	7,796931E+08	1,086868E+09	1,284447E+09	1,284456E+09	1,086890E+09	7,797303E+08
-2444	4,647909E+08	2,264657E+08	1,091138E+08	1,091113E+08	2,264549E+08	4,647725E+08	7,797167E+08	1,086884E+09	1,284459E+09	1,284464E+09	1,086887E+09	7,797034E+08
-2443	4,647505E+08	2,264401E+08	1,091051E+08	1,091090E+08	2,264525E+08	4,647712E+08	7,797223E+08	1,086894E+09	1,284461E+09	1,284445E+09	1,086858E+09	7,796900E+08
-2442	4,647558E+08	2,264540E+08	1,091165E+08	1,091123E+08	2,264461E+08	4,647493E+08	7,796825E+08	1,086848E+09	1,284434E+09	1,284452E+09	1,086888E+09	7,797311E+08
-2441	4,647907E+08	2,264671E+08	1,091237E+08	1,091285E+08	2,264785E+08	4,647968E+08	7,797310E+08	1,086877E+09	1,284429E+09	1,284423E+09	1,086848E+09	7,796795E+08
-2440	4,647499E+08	2,264543E+08	1,091255E+08	1,091301E+08	2,264695E+08	4,647758E+08	7,797065E+08	1,086850E+09	1,284391E+09	1,284379E+09	1,086828E+09	7,796980E+08
-2439	4,647891E+08	2,264949E+08	1,091530E+08	1,091466E+08	2,264764E+08	4,647676E+08	7,796823E+08	1,086820E+09	1,284369E+09	1,284375E+09	1,086840E+09	7,797189E+08
-2438	4,648003E+08	2,264973E+08	1,091628E+08	1,091680E+08	2,265090E+08	4,648031E+08	7,797110E+08	1,086836E+09	1,284368E+09	1,284350E+09	1,086788E+09	7,796570E+08
-2437	4,647703E+08	2,265006E+08	1,091755E+08	1,091746E+08	2,265013E+08	4,647764E+08	7,796660E+08	1,086776E+09	1,284309E+09	1,284318E+09	1,086798E+09	7,796982E+08
-2436	4,648177E+08	2,265356E+08	1,091960E+08	1,091934E+08	2,265260E+08	4,648018E+08	7,796763E+08	1,086766E+09	1,284290E+09	1,284306E+09	1,086796E+09	7,796890E+08
-2435	4,647943E+08	2,265177E+08	1,091929E+08	1,091993E+08	2,265360E+08	4,648165E+08	7,796992E+08	1,086788E+09	1,284289E+09	1,284272E+09	1,086748E+09	7,796581E+08
-2434	4,647909E+08	2,265271E+08	1,091997E+08	1,091954E+08	2,265179E+08	4,647831E+08	7,796572E+08	1,086753E+09	1,284276E+09	1,284286E+09	1,086781E+09	7,797013E+08
-2433	4,648281E+08	2,265414E+08	1,092016E+08	1,092014E+08	2,265370E+08	4,648169E+08	7,796984E+08	1,086791E+09	1,284303E+09	1,284296E+09	1,086770E+09	7,796615E+08
-2432	4,647797E+08	2,265124E+08	1,091883E+08	1,091912E+08	2,265220E+08	4,647990E+08	7,796878E+08	1,086793E+09	1,284308E+09	1,284294E+09	1,086765E+09	7,796694E+08
-2431	4,647965E+08	2,265256E+08	1,091903E+08	1,091824E+08	2,265053E+08	4,647759E+08	7,796609E+08	1,086775E+09	1,284322E+09	1,284341E+09	1,086821E+09	7,797107E+08
-2430	4,648079E+08	2,265115E+08	1,091760E+08	1,091797E+08	2,265207E+08	4,648126E+08	7,797110E+08	1,086824E+09	1,284358E+09	1,284357E+09	1,086808E+09	7,796655E+08
-2429	4,647624E+08	2,264839E+08	1,091569E+08	1,091570E+08	2,264881E+08	4,647791E+08	7,796913E+08	1,086817E+09	1,284353E+09	1,284355E+09	1,086823E+09	7,797030E+08
-2428	4,647971E+08	2,264997E+08	1,091556E+08	1,091500E+08	2,264827E+08	4,647769E+08	7,796915E+08	1,086828E+09	1,284381E+09	1,284388E+09	1,086849E+09	7,797134E+08
-2427	4,647833E+08	2,264757E+08	1,091395E+08	1,091433E+08	2,264842E+08	4,647890E+08	7,797185E+08	1,086866E+09	1,284412E+09	1,284392E+09	1,086818E+09	7,796703E+08
-2426	4,647593E+08	2,264682E+08	1,091350E+08	1,091313E+08	2,264601E+08	4,647521E+08	7,796741E+08	1,086829E+09	1,284401E+09	1,284411E+09	1,086856E+09	7,797133E+08
-2425	4,647966E+08	2,264880E+08	1,091411E+08	1,091394E+08	2,264800E+08	4,647835E+08	7,797030E+08	1,086844E+09	1,284403E+09	1,284413E+09	1,086859E+09	7,796952E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,647592E+08	2,264619E+08	1,091325E+08	1,091388E+08	2,264810E+08	4,647861E+08	7,797100E+08	1,086846E+09	1,284386E+09	1,284373E+09	1,086816E+09	7,796813E+08
-2423	4,647707E+08	2,264808E+08	1,091462E+08	1,091417E+08	2,264714E+08	4,647624E+08	7,796755E+08	1,086812E+09	1,284365E+09	1,284377E+09	1,086843E+09	7,797202E+08
-2422	4,648062E+08	2,264974E+08	1,091561E+08	1,091592E+08	2,265023E+08	4,648029E+08	7,797147E+08	1,086838E+09	1,284369E+09	1,284359E+09	1,086808E+09	7,796686E+08
-2421	4,647661E+08	2,264871E+08	1,091613E+08	1,091641E+08	2,264967E+08	4,647859E+08	7,796948E+08	1,086813E+09	1,284332E+09	1,284312E+09	1,086777E+09	7,796768E+08
-2420	4,648001E+08	2,265255E+08	1,091887E+08	1,091832E+08	2,265087E+08	4,647805E+08	7,796648E+08	1,086774E+09	1,284309E+09	1,284317E+09	1,086799E+09	7,796984E+08
-2419	4,648090E+08	2,265269E+08	1,091973E+08	1,092031E+08	2,265404E+08	4,648169E+08	7,796928E+08	1,086782E+09	1,284292E+09	1,284283E+09	1,086751E+09	7,796474E+08
-2418	4,647807E+08	2,265264E+08	1,092074E+08	1,092082E+08	2,265326E+08	4,647935E+08	7,796549E+08	1,086734E+09	1,284245E+09	1,284254E+09	1,086757E+09	7,796857E+08
-2417	4,648291E+08	2,265605E+08	1,092247E+08	1,092224E+08	2,265517E+08	4,648151E+08	7,796696E+08	1,086734E+09	1,284234E+09	1,284245E+09	1,086757E+09	7,796792E+08
-2416	4,648069E+08	2,265423E+08	1,092204E+08	1,092272E+08	2,265603E+08	4,648257E+08	7,796850E+08	1,086748E+09	1,284228E+09	1,284206E+09	1,086700E+09	7,796427E+08
-2415	4,648038E+08	2,265543E+08	1,092288E+08	1,092227E+08	2,265394E+08	4,647896E+08	7,796435E+08	1,086718E+09	1,284224E+09	1,284232E+09	1,086744E+09	7,796860E+08
-2414	4,648360E+08	2,265668E+08	1,092305E+08	1,092296E+08	2,265594E+08	4,648209E+08	7,796775E+08	1,086750E+09	1,284253E+09	1,284253E+09	1,086746E+09	7,796540E+08
-2413	4,647880E+08	2,265348E+08	1,092153E+08	1,092184E+08	2,265464E+08	4,648125E+08	7,796809E+08	1,086757E+09	1,284253E+09	1,284239E+09	1,086730E+09	7,796581E+08
-2412	4,648026E+08	2,265437E+08	1,092135E+08	1,092074E+08	2,265292E+08	4,647904E+08	7,796560E+08	1,086744E+09	1,284269E+09	1,284289E+09	1,086787E+09	7,796991E+08
-2411	4,648160E+08	2,265311E+08	1,091973E+08	1,092009E+08	2,265384E+08	4,648193E+08	7,797007E+08	1,086791E+09	1,284302E+09	1,284299E+09	1,086773E+09	7,796587E+08
-2410	4,647738E+08	2,265049E+08	1,091795E+08	1,091791E+08	2,265063E+08	4,647843E+08	7,796777E+08	1,086790E+09	1,284316E+09	1,284308E+09	1,086784E+09	7,796881E+08
-2409	4,648065E+08	2,265223E+08	1,091798E+08	1,091731E+08	2,265007E+08	4,647799E+08	7,796749E+08	1,086797E+09	1,284341E+09	1,284348E+09	1,086819E+09	7,797016E+08
-2408	4,647915E+08	2,264977E+08	1,091655E+08	1,091705E+08	2,265088E+08	4,647968E+08	7,796979E+08	1,086819E+09	1,284352E+09	1,284337E+09	1,086782E+09	7,796585E+08
-2407	4,647696E+08	2,264929E+08	1,091633E+08	1,091599E+08	2,264862E+08	4,647662E+08	7,796644E+08	1,086789E+09	1,284337E+09	1,284350E+09	1,086821E+09	7,797029E+08
-2406	4,648045E+08	2,265120E+08	1,091700E+08	1,091687E+08	2,265058E+08	4,647958E+08	7,796938E+08	1,086807E+09	1,284342E+09	1,284351E+09	1,086823E+09	7,796885E+08
-2405	4,647724E+08	2,264880E+08	1,091623E+08	1,091686E+08	2,265079E+08	4,648034E+08	7,797112E+08	1,086820E+09	1,284329E+09	1,284302E+09	1,086765E+09	7,796632E+08
-2404	4,647818E+08	2,265078E+08	1,091771E+08	1,091730E+08	2,264987E+08	4,647753E+08	7,796672E+08	1,086781E+09	1,284315E+09	1,284319E+09	1,086796E+09	7,796981E+08
-2403	4,648154E+08	2,265272E+08	1,091893E+08	1,091916E+08	2,265283E+08	4,648091E+08	7,796937E+08	1,086792E+09	1,284307E+09	1,284301E+09	1,086770E+09	7,796565E+08
-2402	4,647777E+08	2,265168E+08	1,091964E+08	1,092000E+08	2,265282E+08	4,647957E+08	7,796696E+08	1,086763E+09	1,284274E+09	1,284259E+09	1,086741E+09	7,796638E+08
-2401	4,648110E+08	2,265535E+08	1,092219E+08	1,092170E+08	2,265390E+08	4,647930E+08	7,796449E+08	1,086721E+09	1,284237E+09	1,284255E+09	1,086766E+09	7,796927E+08
-2400	4,648220E+08	2,265533E+08	1,092288E+08	1,092362E+08	2,265709E+08	4,648308E+08	7,796758E+08	1,086725E+09	1,284206E+09	1,284200E+09	1,086703E+09	7,796393E+08
-2399	4,647991E+08	2,265565E+08	1,092390E+08	1,092388E+08	2,265587E+08	4,648060E+08	7,796458E+08	1,086693E+09	1,284170E+09	1,284172E+09	1,086705E+09	7,796709E+08
-2398	4,648420E+08	2,265899E+08	1,092563E+08	1,092522E+08	2,265748E+08	4,648213E+08	7,796547E+08	1,086698E+09	1,284176E+09	1,284181E+09	1,086712E+09	7,796648E+08
-2397	4,648195E+08	2,265711E+08	1,092522E+08	1,092575E+08	2,265861E+08	4,648386E+08	7,796784E+08	1,086717E+09	1,284177E+09	1,284148E+09	1,086653E+09	7,796202E+08
-2396	4,648093E+08	2,265780E+08	1,092577E+08	1,092528E+08	2,265672E+08	4,648037E+08	7,796337E+08	1,086686E+09	1,284179E+09	1,284189E+09	1,086710E+09	7,796664E+08
-2395	4,648386E+08	2,265875E+08	1,092561E+08	1,092559E+08	2,265835E+08	4,648332E+08	7,796668E+08	1,086712E+09	1,284198E+09	1,284205E+09	1,086721E+09	7,796496E+08
-2394	4,647959E+08	2,265531E+08	1,092383E+08	1,092426E+08	2,265688E+08	4,648234E+08	7,796719E+08	1,086731E+09	1,284215E+09	1,284197E+09	1,086700E+09	7,796505E+08
-2393	4,648117E+08	2,265617E+08	1,092336E+08	1,092275E+08	2,265462E+08	4,647967E+08	7,796476E+08	1,086720E+09	1,284231E+09	1,284246E+09	1,086759E+09	7,796937E+08
-2392	4,648270E+08	2,265508E+08	1,092189E+08	1,092221E+08	2,265550E+08	4,648213E+08	7,796824E+08	1,086754E+09	1,284251E+09	1,284246E+09	1,086735E+09	7,796483E+08
-2391	4,647866E+08	2,265293E+08	1,092049E+08	1,092029E+08	2,265245E+08	4,647877E+08	7,796607E+08	1,086752E+09	1,284262E+09	1,284257E+09	1,086751E+09	7,796746E+08
-2390	4,648133E+08	2,265462E+08	1,092077E+08	1,092005E+08	2,265237E+08	4,647857E+08	7,796539E+08	1,086751E+09	1,284284E+09	1,284298E+09	1,086791E+09	7,796943E+08
-2389	4,648010E+08	2,265213E+08	1,091938E+08	1,091992E+08	2,265367E+08	4,648157E+08	7,796929E+08	1,086778E+09	1,284286E+09	1,284271E+09	1,086738E+09	7,796433E+08

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2388	4,647767E+08	2,265146E+08	1,091906E+08	1,091892E+08	2,265149E+08	4,647851E+08	7,796622E+08	1,086757E+09	1,284278E+09	1,284287E+09	1,086777E+09	7,796853E+08
-2387	4,648128E+08	2,265363E+08	1,091976E+08	1,091963E+08	2,265297E+08	4,648068E+08	7,796849E+08	1,086773E+09	1,284283E+09	1,284286E+09	1,086779E+09	7,796774E+08
-2386	4,647850E+08	2,265148E+08	1,091926E+08	1,091985E+08	2,265326E+08	4,648108E+08	7,796952E+08	1,086789E+09	1,284287E+09	1,284251E+09	1,086720E+09	7,796463E+08
-2385	4,647928E+08	2,265360E+08	1,092089E+08	1,092042E+08	2,265243E+08	4,647821E+08	7,796481E+08	1,086740E+09	1,284263E+09	1,284271E+09	1,086763E+09	7,796882E+08
-2384	4,648271E+08	2,265551E+08	1,092226E+08	1,092257E+08	2,265579E+08	4,648181E+08	7,796679E+08	1,086731E+09	1,284230E+09	1,284234E+09	1,086730E+09	7,796475E+08
-2383	4,647928E+08	2,265475E+08	1,092310E+08	1,092345E+08	2,265590E+08	4,648111E+08	7,796549E+08	1,086709E+09	1,284190E+09	1,284183E+09	1,086700E+09	7,796545E+08
-2382	4,648242E+08	2,265830E+08	1,092558E+08	1,092509E+08	2,265688E+08	4,648067E+08	7,796315E+08	1,086674E+09	1,284162E+09	1,284179E+09	1,086721E+09	7,796844E+08
-2381	4,648389E+08	2,265833E+08	1,092615E+08	1,092682E+08	2,266000E+08	4,648492E+08	7,796729E+08	1,086690E+09	1,284138E+09	1,284119E+09	1,086641E+09	7,796167E+08
-2380	4,648104E+08	2,265853E+08	1,092713E+08	1,092709E+08	2,265865E+08	4,648197E+08	7,796385E+08	1,086663E+09	1,284120E+09	1,284112E+09	1,086653E+09	7,796442E+08
-2379	4,648477E+08	2,266169E+08	1,092876E+08	1,092828E+08	2,265995E+08	4,648281E+08	7,796375E+08	1,086659E+09	1,284124E+09	1,284129E+09	1,086674E+09	7,796498E+08
-2378	4,648267E+08	2,265955E+08	1,092823E+08	1,092883E+08	2,266132E+08	4,648479E+08	7,796598E+08	1,086681E+09	1,284136E+09	1,284109E+09	1,086624E+09	7,796086E+08
-2377	4,648156E+08	2,265985E+08	1,092831E+08	1,092790E+08	2,265910E+08	4,648151E+08	7,796216E+08	1,086647E+09	1,284128E+09	1,284148E+09	1,086689E+09	7,796649E+08
-2376	4,648485E+08	2,266061E+08	1,092790E+08	1,092796E+08	2,266040E+08	4,648408E+08	7,796518E+08	1,086669E+09	1,284134E+09	1,284145E+09	1,086687E+09	7,796477E+08
-2375	4,648130E+08	2,265768E+08	1,092619E+08	1,092646E+08	2,265860E+08	4,648288E+08	7,796600E+08	1,086697E+09	1,284156E+09	1,284138E+09	1,086665E+09	7,796420E+08
-2374	4,648242E+08	2,265861E+08	1,092591E+08	1,092509E+08	2,265632E+08	4,647978E+08	7,796283E+08	1,086684E+09	1,284182E+09	1,284196E+09	1,086724E+09	7,796840E+08
-2373	4,648394E+08	2,265757E+08	1,092460E+08	1,092479E+08	2,265777E+08	4,648324E+08	7,796718E+08	1,086717E+09	1,284198E+09	1,284191E+09	1,086691E+09	7,796280E+08
-2372	4,647922E+08	2,265514E+08	1,092321E+08	1,092314E+08	2,265522E+08	4,648043E+08	7,796539E+08	1,086718E+09	1,284211E+09	1,284208E+09	1,086713E+09	7,796535E+08
-2371	4,648143E+08	2,265653E+08	1,092329E+08	1,092274E+08	2,265495E+08	4,648020E+08	7,796493E+08	1,086717E+09	1,284226E+09	1,284242E+09	1,086756E+09	7,796849E+08
-2370	4,648085E+08	2,265411E+08	1,092190E+08	1,092262E+08	2,265625E+08	4,648310E+08	7,796899E+08	1,086757E+09	1,284247E+09	1,284221E+09	1,086700E+09	7,796309E+08
-2369	4,647857E+08	2,265353E+08	1,092146E+08	1,092135E+08	2,265361E+08	4,647953E+08	7,796557E+08	1,086733E+09	1,284237E+09	1,284241E+09	1,086742E+09	7,796752E+08
-2368	4,648237E+08	2,265597E+08	1,092250E+08	1,092232E+08	2,265503E+08	4,648099E+08	7,796643E+08	1,086731E+09	1,284226E+09	1,284230E+09	1,086739E+09	7,796672E+08
-2367	4,648014E+08	2,265451E+08	1,092251E+08	1,092294E+08	2,265567E+08	4,648148E+08	7,796716E+08	1,086739E+09	1,284220E+09	1,284193E+09	1,086686E+09	7,796348E+08
-2366	4,648045E+08	2,265663E+08	1,092441E+08	1,092388E+08	2,265532E+08	4,647895E+08	7,796207E+08	1,086680E+09	1,284187E+09	1,284206E+09	1,086729E+09	7,796831E+08
-2365	4,648432E+08	2,265857E+08	1,092578E+08	1,092608E+08	2,265909E+08	4,648383E+08	7,796566E+08	1,086675E+09	1,284143E+09	1,284150E+09	1,086677E+09	7,796320E+08
-2364	4,648066E+08	2,265770E+08	1,092653E+08	1,092697E+08	2,265917E+08	4,648307E+08	7,796489E+08	1,086666E+09	1,284114E+09	1,284101E+09	1,086641E+09	7,796322E+08
-2363	4,648355E+08	2,266124E+08	1,092885E+08	1,092831E+08	2,265964E+08	4,648195E+08	7,796213E+08	1,086634E+09	1,284093E+09	1,284102E+09	1,086664E+09	7,796659E+08
-2362	4,648518E+08	2,266131E+08	1,092952E+08	1,093012E+08	2,266277E+08	4,648586E+08	7,796584E+08	1,086660E+09	1,284096E+09	1,284064E+09	1,086593E+09	7,795943E+08
-2361	4,648182E+08	2,266118E+08	1,093024E+08	1,093018E+08	2,266131E+08	4,648296E+08	7,796245E+08	1,086629E+09	1,284076E+09	1,284072E+09	1,086623E+09	7,796310E+08
-2360	4,648536E+08	2,266394E+08	1,093170E+08	1,093131E+08	2,266261E+08	4,648381E+08	7,796192E+08	1,086612E+09	1,284063E+09	1,284078E+09	1,086645E+09	7,796436E+08
-2359	4,648389E+08	2,266197E+08	1,093104E+08	1,093162E+08	2,266376E+08	4,648602E+08	7,796500E+08	1,086640E+09	1,284072E+09	1,284056E+09	1,086600E+09	7,796044E+08
-2358	4,648266E+08	2,266207E+08	1,093090E+08	1,093047E+08	2,266126E+08	4,648237E+08	7,796101E+08	1,086612E+09	1,284072E+09	1,284093E+09	1,086660E+09	7,796633E+08
-2357	4,648647E+08	2,266298E+08	1,093037E+08	1,093029E+08	2,266245E+08	4,648529E+08	7,796454E+08	1,086636E+09	1,284078E+09	1,284083E+09	1,086640E+09	7,796306E+08
-2356	4,648236E+08	2,266003E+08	1,092877E+08	1,092897E+08	2,266071E+08	4,648374E+08	7,796498E+08	1,086666E+09	1,284111E+09	1,284089E+09	1,086622E+09	7,796195E+08
-2355	4,648293E+08	2,266078E+08	1,092845E+08	1,092764E+08	2,265848E+08	4,648041E+08	7,796118E+08	1,086645E+09	1,284129E+09	1,284147E+09	1,086690E+09	7,796701E+08
-2354	4,648454E+08	2,265959E+08	1,092715E+08	1,092748E+08	2,266027E+08	4,648430E+08	7,796577E+08	1,086684E+09	1,284155E+09	1,284147E+09	1,086659E+09	7,796146E+08
-2353	4,647967E+08	2,265687E+08	1,092546E+08	1,092555E+08	2,265755E+08	4,648191E+08	7,796499E+08	1,086688E+09	1,284162E+09	1,284162E+09	1,086687E+09	7,796474E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2352	4,648215E+08	2,265823E+08	1,092555E+08	1,092507E+08	2,265694E+08	4,648107E+08	7,796396E+08	1,086681E+09	1,284165E+09	1,284180E+09	1,086718E+09	7,796768E+08
-2351	4,648240E+08	2,265661E+08	1,092448E+08	1,092501E+08	2,265808E+08	4,648366E+08	7,796786E+08	1,086723E+09	1,284189E+09	1,284165E+09	1,086664E+09	7,796195E+08
-2350	4,647988E+08	2,265632E+08	1,092449E+08	1,092417E+08	2,265570E+08	4,647973E+08	7,796337E+08	1,086691E+09	1,284184E+09	1,284189E+09	1,086707E+09	7,796665E+08
-2349	4,648402E+08	2,265901E+08	1,092580E+08	1,092549E+08	2,265777E+08	4,648212E+08	7,796452E+08	1,086679E+09	1,284158E+09	1,284165E+09	1,086694E+09	7,796491E+08
-2348	4,648136E+08	2,265753E+08	1,092604E+08	1,092655E+08	2,265899E+08	4,648316E+08	7,796568E+08	1,086688E+09	1,284148E+09	1,284127E+09	1,086641E+09	7,796162E+08
-2347	4,648140E+08	2,265944E+08	1,092781E+08	1,092739E+08	2,265853E+08	4,648064E+08	7,796091E+08	1,086631E+09	1,284107E+09	1,284128E+09	1,086681E+09	7,796712E+08
-2346	4,648567E+08	2,266139E+08	1,092913E+08	1,092955E+08	2,266225E+08	4,648542E+08	7,796487E+08	1,086643E+09	1,284084E+09	1,284078E+09	1,086624E+09	7,796130E+08
-2345	4,648180E+08	2,266045E+08	1,092967E+08	1,093011E+08	2,266195E+08	4,648453E+08	7,796428E+08	1,086636E+09	1,284061E+09	1,284041E+09	1,086596E+09	7,796141E+08
-2344	4,648439E+08	2,266384E+08	1,093206E+08	1,093147E+08	2,266215E+08	4,648267E+08	7,796037E+08	1,086591E+09	1,284033E+09	1,284042E+09	1,086620E+09	7,796483E+08
-2343	4,648644E+08	2,266430E+08	1,093288E+08	1,093338E+08	2,266544E+08	4,648670E+08	7,796395E+08	1,086613E+09	1,284032E+09	1,284014E+09	1,086565E+09	7,795828E+08
-2342	4,648277E+08	2,266389E+08	1,093350E+08	1,093344E+08	2,266409E+08	4,648392E+08	7,796034E+08	1,086579E+09	1,284013E+09	1,284020E+09	1,086598E+09	7,796293E+08
-2341	4,648683E+08	2,266647E+08	1,093463E+08	1,093425E+08	2,266538E+08	4,648558E+08	7,796107E+08	1,086566E+09	1,283991E+09	1,284010E+09	1,086604E+09	7,796343E+08
-2340	4,648536E+08	2,266447E+08	1,093382E+08	1,093442E+08	2,266624E+08	4,648733E+08	7,796436E+08	1,086606E+09	1,284011E+09	1,283991E+09	1,086555E+09	7,795895E+08
-2339	4,648380E+08	2,266441E+08	1,093343E+08	1,093292E+08	2,266323E+08	4,648299E+08	7,795979E+08	1,086577E+09	1,284016E+09	1,284031E+09	1,086617E+09	7,796499E+08
-2338	4,648762E+08	2,266536E+08	1,093300E+08	1,093285E+08	2,266450E+08	4,648571E+08	7,796307E+08	1,086610E+09	1,284043E+09	1,284039E+09	1,086602E+09	7,796114E+08
-2337	4,648289E+08	2,266205E+08	1,093114E+08	1,093137E+08	2,266286E+08	4,648466E+08	7,796383E+08	1,086635E+09	1,284070E+09	1,284052E+09	1,086595E+09	7,796051E+08
-2336	4,648308E+08	2,266239E+08	1,093073E+08	1,093003E+08	2,266064E+08	4,648145E+08	7,795998E+08	1,086606E+09	1,284075E+09	1,284098E+09	1,086660E+09	7,796600E+08
-2335	4,648544E+08	2,266157E+08	1,092948E+08	1,092983E+08	2,266241E+08	4,648556E+08	7,796536E+08	1,086653E+09	1,284099E+09	1,284097E+09	1,086634E+09	7,796078E+08
-2334	4,648061E+08	2,265887E+08	1,092782E+08	1,092790E+08	2,265951E+08	4,648271E+08	7,796415E+08	1,086661E+09	1,284115E+09	1,284112E+09	1,086656E+09	7,796429E+08
-2333	4,648366E+08	2,266058E+08	1,092807E+08	1,092747E+08	2,265899E+08	4,648216E+08	7,796314E+08	1,086649E+09	1,284112E+09	1,284122E+09	1,086673E+09	7,796595E+08
-2332	4,648365E+08	2,265934E+08	1,092750E+08	1,092792E+08	2,266038E+08	4,648428E+08	7,796628E+08	1,086686E+09	1,284136E+09	1,284112E+09	1,086623E+09	7,795995E+08
-2331	4,648075E+08	2,265902E+08	1,092768E+08	1,092739E+08	2,265839E+08	4,648043E+08	7,796105E+08	1,086638E+09	1,284115E+09	1,284128E+09	1,086670E+09	7,796547E+08
-2330	4,648520E+08	2,266180E+08	1,092918E+08	1,092899E+08	2,266092E+08	4,648334E+08	7,796257E+08	1,086631E+09	1,284093E+09	1,284102E+09	1,086653E+09	7,796352E+08
-2329	4,648237E+08	2,266009E+08	1,092916E+08	1,092983E+08	2,266211E+08	4,648502E+08	7,796485E+08	1,086644E+09	1,284075E+09	1,284057E+09	1,086600E+09	7,796049E+08
-2328	4,648250E+08	2,266196E+08	1,093092E+08	1,093056E+08	2,266128E+08	4,648194E+08	7,795981E+08	1,086587E+09	1,284030E+09	1,284046E+09	1,086627E+09	7,796553E+08
-2327	4,648735E+08	2,266452E+08	1,093246E+08	1,093272E+08	2,266484E+08	4,648647E+08	7,796374E+08	1,086603E+09	1,284017E+09	1,284009E+09	1,086577E+09	7,795950E+08
-2326	4,648304E+08	2,266358E+08	1,093320E+08	1,093350E+08	2,266465E+08	4,648530E+08	7,796251E+08	1,086595E+09	1,284004E+09	1,283985E+09	1,086557E+09	7,796014E+08
-2325	4,648578E+08	2,266683E+08	1,093550E+08	1,093488E+08	2,266526E+08	4,648431E+08	7,795898E+08	1,086544E+09	1,283967E+09	1,283980E+09	1,086577E+09	7,796295E+08
-2324	4,648741E+08	2,266717E+08	1,093631E+08	1,093688E+08	2,266864E+08	4,648845E+08	7,796300E+08	1,086571E+09	1,283968E+09	1,283955E+09	1,086528E+09	7,795700E+08
-2323	4,648378E+08	2,266638E+08	1,093651E+08	1,093655E+08	2,266690E+08	4,648536E+08	7,795940E+08	1,086538E+09	1,283946E+09	1,283955E+09	1,086562E+09	7,796235E+08
-2322	4,648830E+08	2,266892E+08	1,093739E+08	1,093705E+08	2,266775E+08	4,648641E+08	7,796004E+08	1,086540E+09	1,283945E+09	1,283952E+09	1,086562E+09	7,796202E+08
-2321	4,648648E+08	2,266677E+08	1,093627E+08	1,093680E+08	2,266821E+08	4,648806E+08	7,796335E+08	1,086579E+09	1,283968E+09	1,283944E+09	1,086520E+09	7,795757E+08
-2320	4,648449E+08	2,266649E+08	1,093591E+08	1,093530E+08	2,266498E+08	4,648310E+08	7,795781E+08	1,086538E+09	1,283963E+09	1,283979E+09	1,086579E+09	7,796340E+08
-2319	4,648849E+08	2,266766E+08	1,093557E+08	1,093534E+08	2,266655E+08	4,648623E+08	7,796125E+08	1,086567E+09	1,283985E+09	1,283994E+09	1,086578E+09	7,796006E+08
-2318	4,648348E+08	2,266412E+08	1,093368E+08	1,093394E+08	2,266515E+08	4,648565E+08	7,796243E+08	1,086595E+09	1,284015E+09	1,284005E+09	1,086572E+09	7,796025E+08
-2317	4,648419E+08	2,266434E+08	1,093305E+08	1,093241E+08	2,266299E+08	4,648315E+08	7,795958E+08	1,086570E+09	1,284013E+09	1,284035E+09	1,086620E+09	7,796467E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \ominus	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2316	4,648653E+08	2,266385E+08	1,093201E+08	1,093235E+08	2,266459E+08	4,648671E+08	7,796492E+08	1,086626E+09	1,284048E+09	1,284038E+09	1,086591E+09	7,795931E+08
-2315	4,648173E+08	2,266124E+08	1,093041E+08	1,093043E+08	2,266152E+08	4,648320E+08	7,796273E+08	1,086628E+09	1,284064E+09	1,284055E+09	1,086616E+09	7,796300E+08
-2314	4,648489E+08	2,266319E+08	1,093099E+08	1,093036E+08	2,266127E+08	4,648246E+08	7,796130E+08	1,086618E+09	1,284071E+09	1,284074E+09	1,086635E+09	7,796419E+08
-2313	4,648444E+08	2,266180E+08	1,093040E+08	1,093091E+08	2,266307E+08	4,648544E+08	7,796478E+08	1,086645E+09	1,284081E+09	1,284063E+09	1,086594E+09	7,795875E+08
-2312	4,648130E+08	2,266127E+08	1,093066E+08	1,093050E+08	2,266120E+08	4,648180E+08	7,795964E+08	1,086589E+09	1,284040E+09	1,284058E+09	1,086630E+09	7,796441E+08
-2311	4,648651E+08	2,266448E+08	1,093226E+08	1,093214E+08	2,266380E+08	4,648497E+08	7,796182E+08	1,086587E+09	1,284016E+09	1,284032E+09	1,086615E+09	7,796250E+08
-2310	4,648373E+08	2,266289E+08	1,093234E+08	1,093301E+08	2,266489E+08	4,648635E+08	7,796390E+08	1,086607E+09	1,284012E+09	1,283988E+09	1,086554E+09	7,795932E+08
-2309	4,648414E+08	2,266496E+08	1,093417E+08	1,093374E+08	2,266410E+08	4,648349E+08	7,795887E+08	1,086548E+09	1,283967E+09	1,283974E+09	1,086570E+09	7,796305E+08
-2308	4,648852E+08	2,266779E+08	1,093611E+08	1,093629E+08	2,266779E+08	4,648751E+08	7,796225E+08	1,086564E+09	1,283959E+09	1,283948E+09	1,086530E+09	7,795743E+08
-2307	4,648398E+08	2,266650E+08	1,093672E+08	1,093708E+08	2,266771E+08	4,648625E+08	7,796035E+08	1,086545E+09	1,283937E+09	1,283924E+09	1,086520E+09	7,795910E+08
-2306	4,648700E+08	2,266965E+08	1,093889E+08	1,093839E+08	2,266833E+08	4,648551E+08	7,795746E+08	1,086504E+09	1,283907E+09	1,283922E+09	1,086542E+09	7,796193E+08
-2305	4,648852E+08	2,266966E+08	1,093922E+08	1,093986E+08	2,267133E+08	4,648987E+08	7,796212E+08	1,086531E+09	1,283904E+09	1,283893E+09	1,086494E+09	7,795627E+08
-2304	4,648487E+08	2,266873E+08	1,093922E+08	1,093920E+08	2,266901E+08	4,648601E+08	7,795790E+08	1,086497E+09	1,283879E+09	1,283885E+09	1,086516E+09	7,796121E+08
-2303	4,648988E+08	2,267167E+08	1,094017E+08	1,093962E+08	2,266973E+08	4,648680E+08	7,795826E+08	1,086499E+09	1,283887E+09	1,283897E+09	1,086525E+09	7,796061E+08
-2302	4,648753E+08	2,266934E+08	1,093909E+08	1,093949E+08	2,267033E+08	4,648842E+08	7,796130E+08	1,086539E+09	1,283918E+09	1,283897E+09	1,086488E+09	7,795649E+08
-2301	4,648550E+08	2,266879E+08	1,093853E+08	1,093796E+08	2,266756E+08	4,648458E+08	7,795662E+08	1,086497E+09	1,283905E+09	1,283924E+09	1,086541E+09	7,796155E+08
-2300	4,648898E+08	2,266986E+08	1,093825E+08	1,093811E+08	2,266914E+08	4,648785E+08	7,796090E+08	1,086536E+09	1,283932E+09	1,283939E+09	1,086543E+09	7,795883E+08
-2299	4,648409E+08	2,266596E+08	1,093602E+08	1,093644E+08	2,266748E+08	4,648700E+08	7,796215E+08	1,086568E+09	1,283964E+09	1,283949E+09	1,086538E+09	7,795948E+08
-2298	4,648522E+08	2,266633E+08	1,093535E+08	1,093480E+08	2,266503E+08	4,648401E+08	7,795924E+08	1,086556E+09	1,283980E+09	1,283989E+09	1,086582E+09	7,796316E+08
-2297	4,648723E+08	2,266587E+08	1,093428E+08	1,093459E+08	2,266644E+08	4,648742E+08	7,796406E+08	1,086602E+09	1,284012E+09	1,283999E+09	1,086562E+09	7,795805E+08
-2296	4,648226E+08	2,266332E+08	1,093297E+08	1,093295E+08	2,266344E+08	4,648336E+08	7,796054E+08	1,086586E+09	1,284011E+09	1,284005E+09	1,086583E+09	7,796184E+08
-2295	4,648599E+08	2,266574E+08	1,093386E+08	1,093323E+08	2,266373E+08	4,648310E+08	7,795895E+08	1,086564E+09	1,284004E+09	1,284023E+09	1,086610E+09	7,796345E+08
-2294	4,648550E+08	2,266438E+08	1,093343E+08	1,093399E+08	2,266583E+08	4,648661E+08	7,796305E+08	1,086594E+09	1,284010E+09	1,283999E+09	1,086561E+09	7,795854E+08
-2293	4,648296E+08	2,266396E+08	1,093366E+08	1,093358E+08	2,266418E+08	4,648372E+08	7,795890E+08	1,086543E+09	1,283960E+09	1,283974E+09	1,086575E+09	7,796261E+08
-2292	4,648791E+08	2,266757E+08	1,093562E+08	1,093542E+08	2,266662E+08	4,648638E+08	7,796116E+08	1,086552E+09	1,283949E+09	1,283951E+09	1,086556E+09	7,796051E+08
-2291	4,648509E+08	2,266601E+08	1,093580E+08	1,093640E+08	2,266769E+08	4,648730E+08	7,796242E+08	1,086568E+09	1,283951E+09	1,283919E+09	1,086503E+09	7,795748E+08
-2290	4,648546E+08	2,266812E+08	1,093776E+08	1,093732E+08	2,266704E+08	4,648428E+08	7,795718E+08	1,086513E+09	1,283917E+09	1,283918E+09	1,086526E+09	7,796083E+08
-2289	4,648917E+08	2,267058E+08	1,093950E+08	1,093977E+08	2,267095E+08	4,648901E+08	7,796084E+08	1,086521E+09	1,283900E+09	1,283896E+09	1,086500E+09	7,795632E+08
-2288	4,648468E+08	2,266905E+08	1,093998E+08	1,094041E+08	2,267062E+08	4,648751E+08	7,795877E+08	1,086496E+09	1,283866E+09	1,283857E+09	1,086483E+09	7,795841E+08
-2287	4,648848E+08	2,267239E+08	1,094197E+08	1,094148E+08	2,267103E+08	4,648667E+08	7,795610E+08	1,086457E+09	1,283837E+09	1,283859E+09	1,086508E+09	7,796127E+08
-2286	4,649003E+08	2,267245E+08	1,094221E+08	1,094275E+08	2,267369E+08	4,649067E+08	7,796064E+08	1,086492E+09	1,283845E+09	1,283832E+09	1,086455E+09	7,795558E+08
-2285	4,648653E+08	2,267151E+08	1,094209E+08	1,094196E+08	2,267140E+08	4,648704E+08	7,795642E+08	1,086455E+09	1,283817E+09	1,283818E+09	1,086465E+09	7,795899E+08
-2284	4,649078E+08	2,267446E+08	1,094327E+08	1,094264E+08	2,267224E+08	4,648764E+08	7,795669E+08	1,086459E+09	1,283830E+09	1,283838E+09	1,086482E+09	7,795886E+08
-2283	4,648818E+08	2,267162E+08	1,094191E+08	1,094242E+08	2,267301E+08	4,648953E+08	7,795965E+08	1,086495E+09	1,283859E+09	1,283842E+09	1,086455E+09	7,795545E+08
-2282	4,648625E+08	2,267082E+08	1,094107E+08	1,094068E+08	2,267009E+08	4,648596E+08	7,795622E+08	1,086473E+09	1,283859E+09	1,283874E+09	1,086507E+09	7,796024E+08
-2281	4,648937E+08	2,267154E+08	1,094038E+08	1,094037E+08	2,267133E+08	4,648934E+08	7,796102E+08	1,086516E+09	1,283889E+09	1,283892E+09	1,086513E+09	7,795799E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,648472E+08	2,266773E+08	1,093812E+08	1,093847E+08	2,266906E+08	4,648747E+08	7,796120E+08	1,086543E+09	1,283920E+09	1,283897E+09	1,086501E+09	7,795845E+08
-2279	4,648641E+08	2,266860E+08	1,093771E+08	1,093701E+08	2,266669E+08	4,648419E+08	7,795754E+08	1,086521E+09	1,283936E+09	1,283949E+09	1,086556E+09	7,796219E+08
-2278	4,648823E+08	2,266829E+08	1,093693E+08	1,093712E+08	2,266842E+08	4,648764E+08	7,796185E+08	1,086561E+09	1,283964E+09	1,283958E+09	1,086537E+09	7,795751E+08
-2277	4,648347E+08	2,266575E+08	1,093570E+08	1,093575E+08	2,266616E+08	4,648479E+08	7,795892E+08	1,086536E+09	1,283943E+09	1,283943E+09	1,086543E+09	7,796041E+08
-2276	4,648700E+08	2,266843E+08	1,093698E+08	1,093640E+08	2,266666E+08	4,648476E+08	7,795809E+08	1,086522E+09	1,283935E+09	1,283951E+09	1,086564E+09	7,796243E+08
-2275	4,648674E+08	2,266690E+08	1,093643E+08	1,093710E+08	2,266868E+08	4,648805E+08	7,796213E+08	1,086555E+09	1,283942E+09	1,283924E+09	1,086512E+09	7,795733E+08
-2274	4,648443E+08	2,266679E+08	1,093680E+08	1,093674E+08	2,266687E+08	4,648489E+08	7,795836E+08	1,086520E+09	1,283911E+09	1,283909E+09	1,086521E+09	7,796024E+08
-2273	4,648861E+08	2,267031E+08	1,093880E+08	1,093856E+08	2,266927E+08	4,648749E+08	7,796012E+08	1,086520E+09	1,283900E+09	1,283896E+09	1,086512E+09	7,795842E+08
-2272	4,648559E+08	2,266871E+08	1,093915E+08	1,093971E+08	2,267036E+08	4,648792E+08	7,796014E+08	1,086519E+09	1,283888E+09	1,283860E+09	1,086463E+09	7,795599E+08
-2271	4,648655E+08	2,267105E+08	1,094120E+08	1,094082E+08	2,267013E+08	4,648542E+08	7,795487E+08	1,086454E+09	1,283845E+09	1,283864E+09	1,086499E+09	7,796020E+08
-2270	4,649039E+08	2,267343E+08	1,094286E+08	1,094316E+08	2,267393E+08	4,649030E+08	7,795903E+08	1,086468E+09	1,283826E+09	1,283831E+09	1,086467E+09	7,795637E+08
-2269	4,648663E+08	2,267197E+08	1,094314E+08	1,094362E+08	2,267362E+08	4,648913E+08	7,795747E+08	1,086445E+09	1,283784E+09	1,283774E+09	1,086430E+09	7,795706E+08
-2268	4,649021E+08	2,267562E+08	1,094534E+08	1,094471E+08	2,267370E+08	4,648769E+08	7,795474E+08	1,086416E+09	1,283768E+09	1,283780E+09	1,086452E+09	7,795968E+08
-2267	4,649144E+08	2,267538E+08	1,094544E+08	1,094588E+08	2,267625E+08	4,649137E+08	7,795877E+08	1,086450E+09	1,283783E+09	1,283766E+09	1,086407E+09	7,795385E+08
-2266	4,648766E+08	2,267426E+08	1,094521E+08	1,094508E+08	2,267406E+08	4,648804E+08	7,795535E+08	1,086425E+09	1,283770E+09	1,283766E+09	1,086423E+09	7,795662E+08
-2265	4,649083E+08	2,267650E+08	1,094593E+08	1,094544E+08	2,267498E+08	4,648941E+08	7,795635E+08	1,086430E+09	1,283783E+09	1,283793E+09	1,086452E+09	7,795747E+08
-2264	4,648828E+08	2,267333E+08	1,094426E+08	1,094486E+08	2,267528E+08	4,649090E+08	7,795920E+08	1,086465E+09	1,283809E+09	1,283791E+09	1,086424E+09	7,795471E+08
-2263	4,648718E+08	2,267268E+08	1,094321E+08	1,094288E+08	2,267208E+08	4,648700E+08	7,795562E+08	1,086445E+09	1,283817E+09	1,283834E+09	1,086482E+09	7,795962E+08
-2262	4,649039E+08	2,267356E+08	1,094257E+08	1,094243E+08	2,267291E+08	4,648974E+08	7,795989E+08	1,086491E+09	1,283854E+09	1,283853E+09	1,086487E+09	7,795774E+08
-2261	4,648620E+08	2,267003E+08	1,094047E+08	1,094069E+08	2,267086E+08	4,648783E+08	7,795936E+08	1,086505E+09	1,283871E+09	1,283849E+09	1,086463E+09	7,795696E+08
-2260	4,648740E+08	2,267119E+08	1,094058E+08	1,093976E+08	2,266887E+08	4,648453E+08	7,795529E+08	1,086476E+09	1,283879E+09	1,283895E+09	1,086521E+09	7,796123E+08
-2259	4,648924E+08	2,267071E+08	1,093984E+08	1,094008E+08	2,267103E+08	4,648850E+08	7,795961E+08	1,086508E+09	1,283895E+09	1,283898E+09	1,086503E+09	7,795688E+08
-2258	4,648479E+08	2,266827E+08	1,093863E+08	1,093877E+08	2,266890E+08	4,648623E+08	7,795819E+08	1,086499E+09	1,283877E+09	1,283875E+09	1,086496E+09	7,795870E+08
-2257	4,648771E+08	2,267074E+08	1,093976E+08	1,093928E+08	2,266939E+08	4,648651E+08	7,795788E+08	1,086491E+09	1,283874E+09	1,283883E+09	1,086516E+09	7,796074E+08
-2256	4,648760E+08	2,266944E+08	1,093938E+08	1,093997E+08	2,267108E+08	4,648900E+08	7,796091E+08	1,086519E+09	1,283882E+09	1,283855E+09	1,086460E+09	7,795551E+08
-2255	4,648564E+08	2,266968E+08	1,094001E+08	1,093988E+08	2,266947E+08	4,648568E+08	7,795649E+08	1,086476E+09	1,283856E+09	1,283859E+09	1,086483E+09	7,795856E+08
-2254	4,648951E+08	2,267317E+08	1,094220E+08	1,094192E+08	2,267211E+08	4,648843E+08	7,795814E+08	1,086474E+09	1,283842E+09	1,283846E+09	1,086481E+09	7,795767E+08
-2253	4,648696E+08	2,267161E+08	1,094253E+08	1,094319E+08	2,267366E+08	4,648961E+08	7,795849E+08	1,086465E+09	1,283812E+09	1,283791E+09	1,086421E+09	7,795470E+08
-2252	4,648785E+08	2,267415E+08	1,094480E+08	1,094444E+08	2,267339E+08	4,648714E+08	7,795383E+08	1,086408E+09	1,283768E+09	1,283786E+09	1,086452E+09	7,795952E+08
-2251	4,649204E+08	2,267634E+08	1,094622E+08	1,094655E+08	2,267691E+08	4,649161E+08	7,795767E+08	1,086423E+09	1,283754E+09	1,283755E+09	1,086417E+09	7,795534E+08
-2250	4,648848E+08	2,267508E+08	1,094645E+08	1,094685E+08	2,267629E+08	4,649024E+08	7,795667E+08	1,086416E+09	1,283728E+09	1,283707E+09	1,086375E+09	7,795464E+08
-2249	4,649097E+08	2,267831E+08	1,094844E+08	1,094778E+08	2,267634E+08	4,648883E+08	7,795367E+08	1,086382E+09	1,283716E+09	1,283725E+09	1,086408E+09	7,795751E+08
-2248	4,649185E+08	2,267778E+08	1,094842E+08	1,094883E+08	2,267873E+08	4,649210E+08	7,795684E+08	1,086406E+09	1,283725E+09	1,283711E+09	1,086369E+09	7,795233E+08
-2247	4,648838E+08	2,267653E+08	1,094797E+08	1,094792E+08	2,267670E+08	4,648933E+08	7,795388E+08	1,086380E+09	1,283714E+09	1,283724E+09	1,086399E+09	7,795584E+08
-2246	4,649150E+08	2,267848E+08	1,094841E+08	1,094793E+08	2,267721E+08	4,649064E+08	7,795566E+08	1,086397E+09	1,283732E+09	1,283747E+09	1,086426E+09	7,795736E+08
-2245	4,648969E+08	2,267542E+08	1,094652E+08	1,094711E+08	2,267734E+08	4,649197E+08	7,795844E+08	1,086433E+09	1,283754E+09	1,283734E+09	1,086385E+09	7,795363E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,648855E+08	2,267521E+08	1,094580E+08	1,094526E+08	2,267390E+08	4,648747E+08	7,795438E+08	1,086415E+09	1,283770E+09	1,283779E+09	1,086442E+09	7,795871E+08
-2243	4,649168E+08	2,267592E+08	1,094519E+08	1,094491E+08	2,267476E+08	4,648977E+08	7,795755E+08	1,086450E+09	1,283804E+09	1,283806E+09	1,086452E+09	7,795670E+08
-2242	4,648745E+08	2,267250E+08	1,094324E+08	1,094343E+08	2,267312E+08	4,648852E+08	7,795791E+08	1,086470E+09	1,283821E+09	1,283801E+09	1,086428E+09	7,795513E+08
-2241	4,648771E+08	2,267322E+08	1,094320E+08	1,094255E+08	2,267159E+08	4,648619E+08	7,795456E+08	1,086438E+09	1,283820E+09	1,283841E+09	1,086487E+09	7,795985E+08
-2240	4,648962E+08	2,267264E+08	1,094240E+08	1,094273E+08	2,267349E+08	4,648989E+08	7,795883E+08	1,086469E+09	1,283830E+09	1,283832E+09	1,086461E+09	7,795575E+08
-2239	4,648590E+08	2,267053E+08	1,094125E+08	1,094148E+08	2,267145E+08	4,648772E+08	7,795754E+08	1,086464E+09	1,283823E+09	1,283821E+09	1,086457E+09	7,795727E+08
-2238	4,648865E+08	2,267316E+08	1,094255E+08	1,094199E+08	2,267164E+08	4,648748E+08	7,795696E+08	1,086460E+09	1,283826E+09	1,283830E+09	1,086475E+09	7,795941E+08
-2237	4,648894E+08	2,267220E+08	1,094243E+08	1,094300E+08	2,267369E+08	4,648991E+08	7,795914E+08	1,086474E+09	1,283820E+09	1,283795E+09	1,086415E+09	7,795358E+08
-2236	4,648674E+08	2,267278E+08	1,094359E+08	1,094342E+08	2,267246E+08	4,648663E+08	7,795435E+08	1,086426E+09	1,283788E+09	1,283793E+09	1,086443E+09	7,795761E+08
-2235	4,649079E+08	2,267603E+08	1,094572E+08	1,094552E+08	2,267529E+08	4,648966E+08	7,795596E+08	1,086416E+09	1,283764E+09	1,283777E+09	1,086442E+09	7,795716E+08
-2234	4,648882E+08	2,267471E+08	1,094606E+08	1,094675E+08	2,267675E+08	4,649121E+08	7,795774E+08	1,086423E+09	1,283736E+09	1,283715E+09	1,086372E+09	7,795315E+08
-2233	4,648911E+08	2,267703E+08	1,094810E+08	1,094777E+08	2,267638E+08	4,648880E+08	7,795321E+08	1,086370E+09	1,283699E+09	1,283710E+09	1,086401E+09	7,795775E+08
-2232	4,649324E+08	2,267930E+08	1,094951E+08	1,094967E+08	2,267940E+08	4,649235E+08	7,795595E+08	1,086380E+09	1,283688E+09	1,283683E+09	1,086364E+09	7,795346E+08
-2231	4,648983E+08	2,267812E+08	1,094977E+08	1,095008E+08	2,267901E+08	4,649112E+08	7,795461E+08	1,086368E+09	1,283671E+09	1,283657E+09	1,086336E+09	7,795270E+08
-2230	4,649169E+08	2,268093E+08	1,095159E+08	1,095089E+08	2,267906E+08	4,648998E+08	7,795215E+08	1,086341E+09	1,283663E+09	1,283677E+09	1,086377E+09	7,795646E+08
-2229	4,649292E+08	2,268021E+08	1,095128E+08	1,095180E+08	2,268160E+08	4,649371E+08	7,795579E+08	1,086362E+09	1,283661E+09	1,283652E+09	1,086333E+09	7,795123E+08
-2228	4,648939E+08	2,267896E+08	1,095082E+08	1,095077E+08	2,267922E+08	4,649070E+08	7,795337E+08	1,086349E+09	1,283658E+09	1,283663E+09	1,086363E+09	7,795536E+08
-2227	4,649274E+08	2,268061E+08	1,095095E+08	1,095046E+08	2,267931E+08	4,649146E+08	7,795465E+08	1,086367E+09	1,283684E+09	1,283694E+09	1,086392E+09	7,795668E+08
-2226	4,649128E+08	2,267791E+08	1,094909E+08	1,094952E+08	2,267909E+08	4,649247E+08	7,795767E+08	1,086410E+09	1,283713E+09	1,283688E+09	1,086346E+09	7,795163E+08
-2225	4,648902E+08	2,267728E+08	1,094828E+08	1,094773E+08	2,267595E+08	4,648812E+08	7,795303E+08	1,086382E+09	1,283725E+09	1,283737E+09	1,086411E+09	7,795700E+08
-2224	4,649203E+08	2,267791E+08	1,094768E+08	1,094741E+08	2,267687E+08	4,649022E+08	7,795527E+08	1,086402E+09	1,283745E+09	1,283756E+09	1,086422E+09	7,795564E+08
-2223	4,648828E+08	2,267454E+08	1,094572E+08	1,094606E+08	2,267564E+08	4,648978E+08	7,795627E+08	1,086420E+09	1,283759E+09	1,283753E+09	1,086400E+09	7,795431E+08
-2222	4,648852E+08	2,267517E+08	1,094563E+08	1,094504E+08	2,267391E+08	4,648762E+08	7,795410E+08	1,086404E+09	1,283760E+09	1,283782E+09	1,086451E+09	7,795921E+08
-2221	4,649111E+08	2,267495E+08	1,094489E+08	1,094527E+08	2,267581E+08	4,649109E+08	7,795808E+08	1,086434E+09	1,283767E+09	1,283761E+09	1,086411E+09	7,795408E+08
-2220	4,648724E+08	2,267339E+08	1,094432E+08	1,094438E+08	2,267377E+08	4,648856E+08	7,795649E+08	1,086433E+09	1,283768E+09	1,283754E+09	1,086409E+09	7,795574E+08
-2219	4,648979E+08	2,267586E+08	1,094578E+08	1,094515E+08	2,267420E+08	4,648813E+08	7,795497E+08	1,086418E+09	1,283770E+09	1,283776E+09	1,086436E+09	7,795787E+08
-2218	4,649025E+08	2,267518E+08	1,094586E+08	1,094642E+08	2,267660E+08	4,649122E+08	7,795805E+08	1,086435E+09	1,283760E+09	1,283738E+09	1,086375E+09	7,795161E+08
-2217	4,648735E+08	2,267539E+08	1,094693E+08	1,094692E+08	2,267578E+08	4,648862E+08	7,795364E+08	1,086383E+09	1,283721E+09	1,283730E+09	1,086404E+09	7,795632E+08
-2216	4,649182E+08	2,267867E+08	1,094895E+08	1,094881E+08	2,267817E+08	4,649096E+08	7,795462E+08	1,086371E+09	1,283691E+09	1,283703E+09	1,086397E+09	7,795614E+08
-2215	4,649055E+08	2,267770E+08	1,094933E+08	1,095004E+08	2,267966E+08	4,649250E+08	7,795622E+08	1,086378E+09	1,283673E+09	1,283653E+09	1,086328E+09	7,795173E+08
-2214	4,649053E+08	2,268003E+08	1,095142E+08	1,095092E+08	2,267893E+08	4,648972E+08	7,795179E+08	1,086331E+09	1,283640E+09	1,283649E+09	1,086357E+09	7,795623E+08
-2213	4,649464E+08	2,268229E+08	1,095283E+08	1,095296E+08	2,268217E+08	4,649313E+08	7,795378E+08	1,086328E+09	1,283618E+09	1,283617E+09	1,086318E+09	7,795151E+08
-2212	4,649089E+08	2,268120E+08	1,095332E+08	1,095358E+08	2,268204E+08	4,649233E+08	7,795281E+08	1,086319E+09	1,283602E+09	1,283590E+09	1,086297E+09	7,795171E+08
-2211	4,649266E+08	2,268336E+08	1,095471E+08	1,095411E+08	2,268195E+08	4,649135E+08	7,795064E+08	1,086293E+09	1,283594E+09	1,283615E+09	1,086341E+09	7,795562E+08
-2210	4,649434E+08	2,268276E+08	1,095418E+08	1,095470E+08	2,268410E+08	4,649523E+08	7,795577E+08	1,086334E+09	1,283602E+09	1,283590E+09	1,086292E+09	7,794973E+08
-2209	4,649026E+08	2,268117E+08	1,095340E+08	1,095339E+08	2,268153E+08	4,649194E+08	7,795306E+08	1,086325E+09	1,283610E+09	1,283608E+09	1,086323E+09	7,795378E+08

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												
-2208	4,649353E+08	2,268278E+08	1,095339E+08	1,095277E+08	2,268100E+08	4,649160E+08	7,795292E+08	1,086333E+09	1,283636E+09	1,283644E+09	1,086355E+09	7,795530E+08
-2207	4,649233E+08	2,268018E+08	1,095161E+08	1,095201E+08	2,268115E+08	4,649289E+08	7,795548E+08	1,086368E+09	1,283670E+09	1,283654E+09	1,086321E+09	7,795035E+08
-2206	4,648960E+08	2,267926E+08	1,095069E+08	1,095015E+08	2,267811E+08	4,648906E+08	7,795169E+08	1,086344E+09	1,283674E+09	1,283693E+09	1,086386E+09	7,795628E+08
-2205	4,649294E+08	2,267987E+08	1,095003E+08	1,094991E+08	2,267927E+08	4,649152E+08	7,795421E+08	1,086359E+09	1,283678E+09	1,283694E+09	1,086387E+09	7,795466E+08
-2204	4,648937E+08	2,267684E+08	1,094834E+08	1,094871E+08	2,267804E+08	4,649119E+08	7,795590E+08	1,086390E+09	1,283699E+09	1,283684E+09	1,086359E+09	7,795350E+08
-2203	4,648971E+08	2,267736E+08	1,094821E+08	1,094764E+08	2,267613E+08	4,648861E+08	7,795328E+08	1,086376E+09	1,283711E+09	1,283723E+09	1,086407E+09	7,795769E+08
-2202	4,649253E+08	2,267771E+08	1,094783E+08	1,094804E+08	2,267795E+08	4,649198E+08	7,795764E+08	1,086411E+09	1,283721E+09	1,283707E+09	1,086366E+09	7,795169E+08
-2201	4,648775E+08	2,267589E+08	1,094739E+08	1,094751E+08	2,267643E+08	4,648956E+08	7,795520E+08	1,086398E+09	1,283718E+09	1,283705E+09	1,086372E+09	7,795375E+08
-2200	4,649032E+08	2,267835E+08	1,094891E+08	1,094835E+08	2,267691E+08	4,648893E+08	7,795269E+08	1,086365E+09	1,283703E+09	1,283718E+09	1,086403E+09	7,795690E+08
-2199	4,649151E+08	2,267792E+08	1,094912E+08	1,094979E+08	2,267969E+08	4,649264E+08	7,795609E+08	1,086379E+09	1,283689E+09	1,283681E+09	1,086344E+09	7,795090E+08
-2198	4,648872E+08	2,267815E+08	1,095014E+08	1,095015E+08	2,267864E+08	4,649011E+08	7,795264E+08	1,086340E+09	1,283648E+09	1,283658E+09	1,086363E+09	7,795571E+08
-2197	4,649385E+08	2,268181E+08	1,095225E+08	1,095209E+08	2,268098E+08	4,649196E+08	7,795286E+08	1,086321E+09	1,283612E+09	1,283621E+09	1,086342E+09	7,795454E+08
-2196	4,649235E+08	2,268124E+08	1,095307E+08	1,095358E+08	2,268251E+08	4,649336E+08	7,795434E+08	1,086331E+09	1,283600E+09	1,283573E+09	1,086275E+09	7,795013E+08
-2195	4,649186E+08	2,268315E+08	1,095506E+08	1,095453E+08	2,268196E+08	4,649069E+08	7,794969E+08	1,086281E+09	1,283572E+09	1,283584E+09	1,086311E+09	7,795435E+08
-2194	4,649586E+08	2,268538E+08	1,095639E+08	1,095649E+08	2,268526E+08	4,649485E+08	7,795317E+08	1,086289E+09	1,283551E+09	1,283551E+09	1,086273E+09	7,794933E+08
-2193	4,649124E+08	2,268356E+08	1,095644E+08	1,095691E+08	2,268524E+08	4,649446E+08	7,795281E+08	1,086288E+09	1,283543E+09	1,283529E+09	1,086258E+09	7,795014E+08
-2192	4,649327E+08	2,268547E+08	1,095737E+08	1,095688E+08	2,268443E+08	4,649263E+08	7,795001E+08	1,086262E+09	1,283540E+09	1,283557E+09	1,086303E+09	7,795456E+08
-2191	4,649557E+08	2,268508E+08	1,095672E+08	1,095725E+08	2,268629E+08	4,649611E+08	7,795449E+08	1,086303E+09	1,283562E+09	1,283550E+09	1,086262E+09	7,794863E+08
-2190	4,649125E+08	2,268340E+08	1,095583E+08	1,095568E+08	2,268327E+08	4,649232E+08	7,795171E+08	1,086296E+09	1,283571E+09	1,283568E+09	1,086296E+09	7,795290E+08
-2189	4,649465E+08	2,268501E+08	1,095585E+08	1,095523E+08	2,268294E+08	4,649161E+08	7,795033E+08	1,086286E+09	1,283578E+09	1,283594E+09	1,086324E+09	7,795420E+08
-2188	4,649331E+08	2,268261E+08	1,095434E+08	1,095470E+08	2,268345E+08	4,649361E+08	7,795352E+08	1,086320E+09	1,283604E+09	1,283593E+09	1,086292E+09	7,794996E+08
-2187	4,649055E+08	2,268129E+08	1,095321E+08	1,095277E+08	2,268048E+08	4,649024E+08	7,795049E+08	1,086301E+09	1,283609E+09	1,283632E+09	1,086350E+09	7,795546E+08
-2186	4,649426E+08	2,268222E+08	1,095259E+08	1,095242E+08	2,268146E+08	4,649301E+08	7,795455E+08	1,086334E+09	1,283620E+09	1,283627E+09	1,086339E+09	7,795278E+08
-2185	4,649009E+08	2,267907E+08	1,095091E+08	1,095133E+08	2,268041E+08	4,649257E+08	7,795585E+08	1,086370E+09	1,283655E+09	1,283626E+09	1,086313E+09	7,795135E+08
-2184	4,649034E+08	2,267964E+08	1,095086E+08	1,095025E+08	2,267821E+08	4,648909E+08	7,795173E+08	1,086343E+09	1,283665E+09	1,283673E+09	1,086366E+09	7,795582E+08
-2183	4,649333E+08	2,268023E+08	1,095077E+08	1,095104E+08	2,268056E+08	4,649280E+08	7,795550E+08	1,086368E+09	1,283676E+09	1,283669E+09	1,086339E+09	7,795043E+08
-2182	4,648848E+08	2,267830E+08	1,095037E+08	1,095056E+08	2,267919E+08	4,649086E+08	7,795386E+08	1,086357E+09	1,283660E+09	1,283655E+09	1,086346E+09	7,795324E+08
-2181	4,649157E+08	2,268087E+08	1,095193E+08	1,095153E+08	2,267977E+08	4,649012E+08	7,795105E+08	1,086314E+09	1,283625E+09	1,283646E+09	1,086364E+09	7,795626E+08
-2180	4,649323E+08	2,268104E+08	1,095251E+08	1,095315E+08	2,268261E+08	4,649399E+08	7,795491E+08	1,086335E+09	1,283612E+09	1,283599E+09	1,086297E+09	7,795031E+08
-2179	4,649053E+08	2,268125E+08	1,095356E+08	1,095351E+08	2,268144E+08	4,649115E+08	7,795104E+08	1,086294E+09	1,283578E+09	1,283582E+09	1,086308E+09	7,795395E+08
-2178	4,649557E+08	2,268526E+08	1,095592E+08	1,095557E+08	2,268375E+08	4,649313E+08	7,795184E+08	1,086280E+09	1,283544E+09	1,283547E+09	1,086285E+09	7,795181E+08
-2177	4,649302E+08	2,268425E+08	1,095672E+08	1,095733E+08	2,268587E+08	4,649485E+08	7,795293E+08	1,086288E+09	1,283536E+09	1,283507E+09	1,086226E+09	7,794771E+08
-2176	4,649236E+08	2,268576E+08	1,095836E+08	1,095798E+08	2,268506E+08	4,649201E+08	7,794790E+08	1,086231E+09	1,283502E+09	1,283518E+09	1,086270E+09	7,795287E+08
-2175	4,649673E+08	2,268795E+08	1,095952E+08	1,095977E+08	2,268833E+08	4,649650E+08	7,795191E+08	1,086246E+09	1,283492E+09	1,283496E+09	1,086241E+09	7,794852E+08
-2174	4,649240E+08	2,268598E+08	1,095922E+08	1,095967E+08	2,268763E+08	4,649570E+08	7,795230E+08	1,086259E+09	1,283490E+09	1,283473E+09	1,086224E+09	7,794955E+08
-2173	4,649483E+08	2,268800E+08	1,096004E+08	1,095948E+08	2,268644E+08	4,649294E+08	7,794825E+08	1,086224E+09	1,283484E+09	1,283497E+09	1,086262E+09	7,795347E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2172	4,649707E+08	2,268801E+08	1,095970E+08	1,095997E+08	2,268832E+08	4,649632E+08	7,795240E+08	1,086262E+09	1,283506E+09	1,283493E+09	1,086227E+09	7,794785E+08
-2171	4,649239E+08	2,268588E+08	1,095865E+08	1,095845E+08	2,268555E+08	4,649281E+08	7,794946E+08	1,086250E+09	1,283515E+09	1,283517E+09	1,086263E+09	7,795176E+08
-2170	4,649574E+08	2,268750E+08	1,095862E+08	1,095796E+08	2,268539E+08	4,649303E+08	7,794968E+08	1,086247E+09	1,283517E+09	1,283535E+09	1,086286E+09	7,795266E+08
-2169	4,649367E+08	2,268455E+08	1,095688E+08	1,095744E+08	2,268618E+08	4,649545E+08	7,795351E+08	1,086293E+09	1,283550E+09	1,283534E+09	1,086251E+09	7,794842E+08
-2168	4,649111E+08	2,268311E+08	1,095546E+08	1,095515E+08	2,268269E+08	4,649146E+08	7,795010E+08	1,086276E+09	1,283561E+09	1,283575E+09	1,086310E+09	7,795396E+08
-2167	4,649507E+08	2,268438E+08	1,095500E+08	1,095486E+08	2,268362E+08	4,649399E+08	7,795359E+08	1,086310E+09	1,283588E+09	1,283588E+09	1,086305E+09	7,795122E+08
-2166	4,649073E+08	2,268123E+08	1,095340E+08	1,095375E+08	2,268237E+08	4,649323E+08	7,795485E+08	1,086345E+09	1,283619E+09	1,283589E+09	1,086285E+09	7,795023E+08
-2165	4,649120E+08	2,268190E+08	1,095356E+08	1,095304E+08	2,268052E+08	4,648944E+08	7,794928E+08	1,086295E+09	1,283606E+09	1,283622E+09	1,086337E+09	7,795499E+08
-2164	4,649444E+08	2,268294E+08	1,095386E+08	1,095413E+08	2,268324E+08	4,649374E+08	7,795338E+08	1,086314E+09	1,283600E+09	1,283602E+09	1,086309E+09	7,795042E+08
-2163	4,648990E+08	2,268094E+08	1,095349E+08	1,095376E+08	2,268202E+08	4,649210E+08	7,795222E+08	1,086304E+09	1,283583E+09	1,283581E+09	1,086304E+09	7,795267E+08
-2162	4,649358E+08	2,268409E+08	1,095528E+08	1,095476E+08	2,268251E+08	4,649159E+08	7,795044E+08	1,086272E+09	1,283547E+09	1,283560E+09	1,086307E+09	7,795437E+08
-2161	4,649451E+08	2,268415E+08	1,095600E+08	1,095662E+08	2,268562E+08	4,649537E+08	7,795391E+08	1,086297E+09	1,283546E+09	1,283520E+09	1,086237E+09	7,794780E+08
-2160	4,649158E+08	2,268433E+08	1,095704E+08	1,095697E+08	2,268432E+08	4,649207E+08	7,794915E+08	1,086249E+09	1,283513E+09	1,283513E+09	1,086254E+09	7,795149E+08
-2159	4,649638E+08	2,268828E+08	1,095947E+08	1,095920E+08	2,268704E+08	4,649449E+08	7,794983E+08	1,086233E+09	1,283487E+09	1,283493E+09	1,086245E+09	7,794991E+08
-2158	4,649365E+08	2,268689E+08	1,096000E+08	1,096070E+08	2,268902E+08	4,649669E+08	7,795220E+08	1,086249E+09	1,283476E+09	1,283450E+09	1,086193E+09	7,794676E+08
-2157	4,649341E+08	2,268822E+08	1,096139E+08	1,096118E+08	2,268793E+08	4,649331E+08	7,794669E+08	1,086188E+09	1,283435E+09	1,283453E+09	1,086232E+09	7,795212E+08
-2156	4,649819E+08	2,269080E+08	1,096263E+08	1,096281E+08	2,269092E+08	4,649762E+08	7,795087E+08	1,086210E+09	1,283429E+09	1,283429E+09	1,086203E+09	7,794822E+08
-2155	4,649404E+08	2,268877E+08	1,096224E+08	1,096254E+08	2,268987E+08	4,649626E+08	7,795059E+08	1,086221E+09	1,283438E+09	1,283418E+09	1,086185E+09	7,794847E+08
-2154	4,649640E+08	2,269097E+08	1,096312E+08	1,096232E+08	2,268859E+08	4,649356E+08	7,794681E+08	1,086185E+09	1,283427E+09	1,283441E+09	1,086221E+09	7,795153E+08
-2153	4,649763E+08	2,269046E+08	1,096268E+08	1,096301E+08	2,269102E+08	4,649733E+08	7,795069E+08	1,086219E+09	1,283448E+09	1,283439E+09	1,086190E+09	7,794615E+08
-2152	4,649289E+08	2,268794E+08	1,096122E+08	1,096116E+08	2,268808E+08	4,649399E+08	7,794786E+08	1,086203E+09	1,283451E+09	1,283459E+09	1,086226E+09	7,795051E+08
-2151	4,649638E+08	2,268946E+08	1,096104E+08	1,096055E+08	2,268794E+08	4,649459E+08	7,794888E+08	1,086214E+09	1,283466E+09	1,283483E+09	1,086252E+09	7,795172E+08
-2150	4,649453E+08	2,268645E+08	1,095906E+08	1,095965E+08	2,268823E+08	4,649677E+08	7,795357E+08	1,086274E+09	1,283508E+09	1,283483E+09	1,086216E+09	7,794753E+08
-2149	4,649216E+08	2,268513E+08	1,095771E+08	1,095740E+08	2,268445E+08	4,649178E+08	7,794869E+08	1,086246E+09	1,283516E+09	1,283524E+09	1,086271E+09	7,795263E+08
-2148	4,649606E+08	2,268691E+08	1,095774E+08	1,095743E+08	2,268563E+08	4,649440E+08	7,795187E+08	1,086274E+09	1,283537E+09	1,283538E+09	1,086275E+09	7,795051E+08
-2147	4,649176E+08	2,268367E+08	1,095625E+08	1,095655E+08	2,268471E+08	4,649386E+08	7,795278E+08	1,086300E+09	1,283564E+09	1,283541E+09	1,086254E+09	7,794931E+08
-2146	4,649237E+08	2,268456E+08	1,095657E+08	1,095600E+08	2,268315E+08	4,649093E+08	7,794842E+08	1,086251E+09	1,283536E+09	1,283556E+09	1,086297E+09	7,795374E+08
-2145	4,649532E+08	2,268544E+08	1,095696E+08	1,095736E+08	2,268627E+08	4,649546E+08	7,795272E+08	1,086277E+09	1,283534E+09	1,283531E+09	1,086261E+09	7,794901E+08
-2144	4,649119E+08	2,268359E+08	1,095648E+08	1,095683E+08	2,268475E+08	4,649331E+08	7,795094E+08	1,086264E+09	1,283517E+09	1,283507E+09	1,086251E+09	7,795091E+08
-2143	4,649493E+08	2,268713E+08	1,095860E+08	1,095805E+08	2,268536E+08	4,649268E+08	7,794875E+08	1,086233E+09	1,283494E+09	1,283499E+09	1,086257E+09	7,795241E+08
-2142	4,649555E+08	2,268711E+08	1,095938E+08	1,095993E+08	2,268840E+08	4,649636E+08	7,795237E+08	1,086257E+09	1,283489E+09	1,283462E+09	1,086194E+09	7,794607E+08
-2141	4,649252E+08	2,268717E+08	1,096049E+08	1,096052E+08	2,268735E+08	4,649290E+08	7,794665E+08	1,086193E+09	1,283440E+09	1,283447E+09	1,086214E+09	7,795007E+08
-2140	4,649738E+08	2,269130E+08	1,096307E+08	1,096279E+08	2,269027E+08	4,649603E+08	7,794820E+08	1,086179E+09	1,283407E+09	1,283420E+09	1,086208E+09	7,794944E+08
-2139	4,649509E+08	2,268976E+08	1,096338E+08	1,096410E+08	2,269200E+08	4,649815E+08	7,795098E+08	1,086204E+09	1,283405E+09	1,283382E+09	1,086151E+09	7,794604E+08
-2138	4,649533E+08	2,269141E+08	1,096472E+08	1,096435E+08	2,269061E+08	4,649479E+08	7,794614E+08	1,086151E+09	1,283368E+09	1,283379E+09	1,086181E+09	7,795053E+08
-2137	4,649946E+08	2,269376E+08	1,096595E+08	1,096606E+08	2,269363E+08	4,649863E+08	7,794959E+08	1,086175E+09	1,283374E+09	1,283366E+09	1,086153E+09	7,794631E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2136	4,649517E+08	2,269150E+08	1,096530E+08	1,096558E+08	2,269237E+08	4,649686E+08	7,794842E+08	1,086176E+09	1,283381E+09	1,283364E+09	1,086144E+09	7,794674E+08
-2135	4,649720E+08	2,269347E+08	1,096607E+08	1,096535E+08	2,269138E+08	4,649468E+08	7,794488E+08	1,086141E+09	1,283376E+09	1,283395E+09	1,086190E+09	7,795021E+08
-2134	4,649810E+08	2,269240E+08	1,096515E+08	1,096559E+08	2,269350E+08	4,649892E+08	7,795026E+08	1,086187E+09	1,283396E+09	1,283390E+09	1,086161E+09	7,794542E+08
-2133	4,649366E+08	2,268970E+08	1,096344E+08	1,096355E+08	2,269027E+08	4,649512E+08	7,794718E+08	1,086172E+09	1,283396E+09	1,283403E+09	1,086190E+09	7,794962E+08
-2132	4,649739E+08	2,269157E+08	1,096336E+08	1,096281E+08	2,268990E+08	4,649560E+08	7,794837E+08	1,086188E+09	1,283417E+09	1,283427E+09	1,086215E+09	7,795092E+08
-2131	4,649569E+08	2,268869E+08	1,096149E+08	1,096192E+08	2,268996E+08	4,649723E+08	7,795235E+08	1,086246E+09	1,283470E+09	1,283441E+09	1,086182E+09	7,794631E+08
-2130	4,649334E+08	2,268766E+08	1,096040E+08	1,095990E+08	2,268641E+08	4,649243E+08	7,794743E+08	1,086211E+09	1,283466E+09	1,283475E+09	1,086235E+09	7,795092E+08
-2129	4,649651E+08	2,268912E+08	1,096060E+08	1,096036E+08	2,268821E+08	4,649534E+08	7,795013E+08	1,086232E+09	1,283481E+09	1,283487E+09	1,086240E+09	7,794923E+08
-2128	4,649261E+08	2,268589E+08	1,095897E+08	1,095941E+08	2,268730E+08	4,649497E+08	7,795099E+08	1,086249E+09	1,283494E+09	1,283480E+09	1,086218E+09	7,794840E+08
-2127	4,649354E+08	2,268705E+08	1,095947E+08	1,095900E+08	2,268591E+08	4,649225E+08	7,794706E+08	1,086209E+09	1,283475E+09	1,283493E+09	1,086256E+09	7,795271E+08
-2126	4,649666E+08	2,268806E+08	1,095985E+08	1,096020E+08	2,268873E+08	4,649665E+08	7,795192E+08	1,086243E+09	1,283475E+09	1,283465E+09	1,086215E+09	7,794767E+08
-2125	4,649262E+08	2,268644E+08	1,095966E+08	1,095997E+08	2,268727E+08	4,649390E+08	7,794887E+08	1,086217E+09	1,283451E+09	1,283438E+09	1,086199E+09	7,794897E+08
-2124	4,649614E+08	2,269031E+08	1,096218E+08	1,096153E+08	2,268832E+08	4,649374E+08	7,794684E+08	1,086184E+09	1,283422E+09	1,283431E+09	1,086213E+09	7,795091E+08
-2123	4,649669E+08	2,269015E+08	1,096300E+08	1,096357E+08	2,269163E+08	4,649782E+08	7,795064E+08	1,086207E+09	1,283420E+09	1,283400E+09	1,086155E+09	7,794478E+08
-2122	4,649378E+08	2,269024E+08	1,096407E+08	1,096409E+08	2,269065E+08	4,649506E+08	7,794621E+08	1,086149E+09	1,283364E+09	1,283372E+09	1,086167E+09	7,794853E+08
-2121	4,649828E+08	2,269402E+08	1,096654E+08	1,096641E+08	2,269363E+08	4,649803E+08	7,794785E+08	1,086145E+09	1,283343E+09	1,283349E+09	1,086157E+09	7,794798E+08
-2120	4,649656E+08	2,269261E+08	1,096657E+08	1,096731E+08	2,269477E+08	4,649934E+08	7,794974E+08	1,086165E+09	1,283345E+09	1,283318E+09	1,086104E+09	7,794445E+08
-2119	4,649668E+08	2,269437E+08	1,096798E+08	1,096755E+08	2,269326E+08	4,649560E+08	7,794434E+08	1,086114E+09	1,283321E+09	1,283328E+09	1,086141E+09	7,794897E+08
-2118	4,650047E+08	2,269639E+08	1,096898E+08	1,096901E+08	2,269606E+08	4,649933E+08	7,794783E+08	1,086135E+09	1,283322E+09	1,283318E+09	1,086121E+09	7,794515E+08
-2117	4,649608E+08	2,269382E+08	1,096814E+08	1,096850E+08	2,269483E+08	4,649740E+08	7,794584E+08	1,086120E+09	1,283311E+09	1,283304E+09	1,086110E+09	7,794576E+08
-2116	4,649816E+08	2,269581E+08	1,096882E+08	1,096811E+08	2,269392E+08	4,649602E+08	7,794365E+08	1,086094E+09	1,283302E+09	1,283329E+09	1,086156E+09	7,794979E+08
-2115	4,649941E+08	2,269466E+08	1,096770E+08	1,096808E+08	2,269565E+08	4,650003E+08	7,794950E+08	1,086152E+09	1,283337E+09	1,283329E+09	1,086123E+09	7,794454E+08
-2114	4,649513E+08	2,269219E+08	1,096598E+08	1,096587E+08	2,269221E+08	4,649630E+08	7,794698E+08	1,086146E+09	1,283344E+09	1,283341E+09	1,086144E+09	7,794774E+08
-2113	4,649808E+08	2,269384E+08	1,096606E+08	1,096542E+08	2,269205E+08	4,649642E+08	7,794747E+08	1,086164E+09	1,283378E+09	1,283379E+09	1,086172E+09	7,794886E+08
-2112	4,649648E+08	2,269094E+08	1,096409E+08	1,096450E+08	2,269207E+08	4,649770E+08	7,795041E+08	1,086208E+09	1,283423E+09	1,283400E+09	1,086150E+09	7,794471E+08
-2111	4,649398E+08	2,268988E+08	1,096312E+08	1,096271E+08	2,268898E+08	4,649344E+08	7,794571E+08	1,086173E+09	1,283421E+09	1,283434E+09	1,086209E+09	7,794997E+08
-2110	4,649719E+08	2,269110E+08	1,096312E+08	1,096298E+08	2,269062E+08	4,649666E+08	7,794936E+08	1,086197E+09	1,283426E+09	1,283436E+09	1,086211E+09	7,794875E+08
-2109	4,649377E+08	2,268799E+08	1,096157E+08	1,096214E+08	2,268966E+08	4,649588E+08	7,794958E+08	1,086206E+09	1,283427E+09	1,283414E+09	1,086178E+09	7,794748E+08
-2108	4,649503E+08	2,268979E+08	1,096244E+08	1,096189E+08	2,268841E+08	4,649344E+08	7,794597E+08	1,086168E+09	1,283406E+09	1,283423E+09	1,086211E+09	7,795151E+08
-2107	4,649818E+08	2,269105E+08	1,096312E+08	1,096330E+08	2,269121E+08	4,649746E+08	7,795028E+08	1,086201E+09	1,283415E+09	1,283404E+09	1,086169E+09	7,794593E+08
-2106	4,649399E+08	2,268965E+08	1,096323E+08	1,096341E+08	2,269025E+08	4,649532E+08	7,794747E+08	1,086170E+09	1,283380E+09	1,283369E+09	1,086150E+09	7,794669E+08
-2105	4,649672E+08	2,269311E+08	1,096584E+08	1,096534E+08	2,269185E+08	4,649555E+08	7,794548E+08	1,086136E+09	1,283352E+09	1,283362E+09	1,086163E+09	7,794895E+08
-2104	4,649770E+08	2,269289E+08	1,096640E+08	1,096713E+08	2,269492E+08	4,649957E+08	7,794939E+08	1,086157E+09	1,283344E+09	1,283329E+09	1,086111E+09	7,794358E+08
-2103	4,649518E+08	2,269315E+08	1,096748E+08	1,096759E+08	2,269379E+08	4,649659E+08	7,794525E+08	1,086113E+09	1,283305E+09	1,283306E+09	1,086123E+09	7,794742E+08
-2102	4,649975E+08	2,269683E+08	1,096969E+08	1,096947E+08	2,269614E+08	4,649906E+08	7,794688E+08	1,086113E+09	1,283288E+09	1,283289E+09	1,086115E+09	7,794680E+08
-2101	4,649812E+08	2,269555E+08	1,096983E+08	1,097046E+08	2,269713E+08	4,649958E+08	7,794724E+08	1,086116E+09	1,283282E+09	1,283258E+09	1,086063E+09	7,794305E+08

1 Longitude ☉	2	3	4	5	6	7	8	9	10	11	12	13
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
-2100	4,649809E+08	2,269743E+08	1,097132E+08	1,097074E+08	2,269593E+08	4,649637E+08	7,794206E+08	1,086060E+09	1,283248E+09	1,283267E+09	1,086106E+09	7,794781E+08
-2099	4,650162E+08	2,269911E+08	1,097212E+08	1,097208E+08	2,269870E+08	4,650039E+08	7,794599E+08	1,086085E+09	1,283254E+09	1,283260E+09	1,086087E+09	7,794418E+08
-2098	4,649728E+08	2,269641E+08	1,097106E+08	1,097139E+08	2,269756E+08	4,649928E+08	7,794547E+08	1,086081E+09	1,283242E+09	1,283234E+09	1,086066E+09	7,794423E+08
-2097	4,649882E+08	2,269791E+08	1,097152E+08	1,097093E+08	2,269656E+08	4,649767E+08	7,794363E+08	1,086070E+09	1,283251E+09	1,283266E+09	1,086107E+09	7,794793E+08
-2096	4,650045E+08	2,269685E+08	1,097014E+08	1,097052E+08	2,269772E+08	4,650097E+08	7,794875E+08	1,086126E+09	1,283294E+09	1,283280E+09	1,086084E+09	7,794288E+08
-2095	4,649599E+08	2,269448E+08	1,096856E+08	1,096840E+08	2,269422E+08	4,649677E+08	7,794571E+08	1,086123E+09	1,283315E+09	1,283306E+09	1,086114E+09	7,794616E+08
-2094	4,649850E+08	2,269573E+08	1,096846E+08	1,096782E+08	2,269402E+08	4,649694E+08	7,794603E+08	1,086132E+09	1,283339E+09	1,283346E+09	1,086151E+09	7,794791E+08
-2093	4,649709E+08	2,269281E+08	1,096653E+08	1,096704E+08	2,269420E+08	4,649815E+08	7,794803E+08	1,086157E+09	1,283361E+09	1,283351E+09	1,086126E+09	7,794419E+08
-2092	4,649503E+08	2,269204E+08	1,096568E+08	1,096534E+08	2,269141E+08	4,649473E+08	7,794447E+08	1,086124E+09	1,283345E+09	1,283370E+09	1,086178E+09	7,794972E+08
-2091	4,649878E+08	2,269356E+08	1,096581E+08	1,096562E+08	2,269284E+08	4,649761E+08	7,794821E+08	1,086156E+09	1,283360E+09	1,283369E+09	1,086171E+09	7,794798E+08
-2090	4,649560E+08	2,269095E+08	1,096458E+08	1,096497E+08	2,269210E+08	4,649719E+08	7,794874E+08	1,086168E+09	1,283359E+09	1,283337E+09	1,086123E+09	7,794537E+08
-2089	4,649605E+08	2,269266E+08	1,096584E+08	1,096525E+08	2,269130E+08	4,649467E+08	7,794485E+08	1,086133E+09	1,283348E+09	1,283355E+09	1,086154E+09	7,794888E+08
-2088	4,649921E+08	2,269395E+08	1,096650E+08	1,096674E+08	2,269422E+08	4,649869E+08	7,794857E+08	1,086154E+09	1,283350E+09	1,283343E+09	1,086125E+09	7,794386E+08
-2087	4,649476E+08	2,269246E+08	1,096671E+08	1,096703E+08	2,269359E+08	4,649699E+08	7,794640E+08	1,086132E+09	1,283323E+09	1,283311E+09	1,086111E+09	7,794518E+08
-2086	4,649746E+08	2,269553E+08	1,096899E+08	1,096864E+08	2,269489E+08	4,649738E+08	7,794515E+08	1,086103E+09	1,283293E+09	1,283303E+09	1,086127E+09	7,794802E+08
-2085	4,649900E+08	2,269551E+08	1,096954E+08	1,097034E+08	2,269758E+08	4,650048E+08	7,794779E+08	1,086113E+09	1,283277E+09	1,283261E+09	1,086069E+09	7,794263E+08
-2084	4,649696E+08	2,269632E+08	1,097085E+08	1,097082E+08	2,269644E+08	4,649754E+08	7,794363E+08	1,086067E+09	1,283234E+09	1,283239E+09	1,086083E+09	7,794645E+08
-2083	4,650159E+08	2,270016E+08	1,097323E+08	1,097277E+08	2,269857E+08	4,649933E+08	7,794437E+08	1,086062E+09	1,283224E+09	1,283230E+09	1,086076E+09	7,794553E+08
-2082	4,649973E+08	2,269887E+08	1,097341E+08	1,097389E+08	2,270004E+08	4,650062E+08	7,794494E+08	1,086058E+09	1,283203E+09	1,283185E+09	1,086018E+09	7,794128E+08
-2081	4,649891E+08	2,270020E+08	1,097478E+08	1,097430E+08	2,269922E+08	4,649805E+08	7,794060E+08	1,086009E+09	1,283173E+09	1,283194E+09	1,086056E+09	7,794604E+08
-2080	4,650266E+08	2,270159E+08	1,097507E+08	1,097515E+08	2,270152E+08	4,650196E+08	7,794499E+08	1,086039E+09	1,283182E+09	1,283189E+09	1,086044E+09	7,794280E+08
-2079	4,649837E+08	2,269884E+08	1,097385E+08	1,097424E+08	2,270013E+08	4,650064E+08	7,794521E+08	1,086059E+09	1,283196E+09	1,283175E+09	1,086023E+09	7,794267E+08
-2078	4,649961E+08	2,269995E+08	1,097392E+08	1,097331E+08	2,269856E+08	4,649864E+08	7,794334E+08	1,086054E+09	1,283217E+09	1,283223E+09	1,086071E+09	7,794635E+08
-2077	4,650112E+08	2,269892E+08	1,097261E+08	1,097294E+08	2,269953E+08	4,650109E+08	7,794683E+08	1,086092E+09	1,283251E+09	1,283240E+09	1,086056E+09	7,794170E+08
-2076	4,649683E+08	2,269669E+08	1,097110E+08	1,097093E+08	2,269642E+08	4,649753E+08	7,794406E+08	1,086081E+09	1,283260E+09	1,283265E+09	1,086094E+09	7,794553E+08
-2075	4,649942E+08	2,269786E+08	1,097096E+08	1,097031E+08	2,269610E+08	4,649772E+08	7,794452E+08	1,086091E+09	1,283283E+09	1,283300E+09	1,086129E+09	7,794761E+08
-2074	4,649837E+08	2,269512E+08	1,096907E+08	1,096958E+08	2,269657E+08	4,649965E+08	7,794735E+08	1,086117E+09	1,283294E+09	1,283284E+09	1,086087E+09	7,794320E+08
-2073	4,649609E+08	2,269432E+08	1,096840E+08	1,096815E+08	2,269400E+08	4,649622E+08	7,794407E+08	1,086095E+09	1,283287E+09	1,283300E+09	1,086124E+09	7,794788E+08
-2072	4,650010E+08	2,269613E+08	1,096860E+08	1,096838E+08	2,269516E+08	4,649855E+08	7,794704E+08	1,086121E+09	1,283304E+09	1,283307E+09	1,086124E+09	7,794608E+08
-2071	4,649669E+08	2,269378E+08	1,096776E+08	1,096814E+08	2,269473E+08	4,649800E+08	7,794745E+08	1,086139E+09	1,283314E+09	1,283284E+09	1,086081E+09	7,794329E+08
-2070	4,649654E+08	2,269502E+08	1,096887E+08	1,096840E+08	2,269406E+08	4,649579E+08	7,794347E+08	1,086096E+09	1,283295E+09	1,283304E+09	1,086119E+09	7,794719E+08
-2069	4,649976E+08	2,269639E+08	1,096966E+08	1,097001E+08	2,269706E+08	4,649972E+08	7,794651E+08	1,086100E+09	1,283277E+09	1,283279E+09	1,086091E+09	7,794304E+08
-2068	4,649610E+08	2,269526E+08	1,096996E+08	1,097033E+08	2,269655E+08	4,649850E+08	7,794517E+08	1,086081E+09	1,283242E+09	1,283239E+09	1,086074E+09	7,794457E+08
-2067	4,649927E+08	2,269861E+08	1,097233E+08	1,097185E+08	2,269743E+08	4,649822E+08	7,794360E+08	1,086059E+09	1,283224E+09	1,283233E+09	1,086085E+09	7,794720E+08
-2066	4,650112E+08	2,269907E+08	1,097315E+08	1,097373E+08	2,270038E+08	4,650155E+08	7,794598E+08	1,086064E+09	1,283202E+09	1,283182E+09	1,086016E+09	7,794084E+08
-2065	4,649840E+08	2,269972E+08	1,097470E+08	1,097460E+08	2,269964E+08	4,649864E+08	7,794167E+08	1,086018E+09	1,283165E+09	1,283165E+09	1,086025E+09	7,794423E+08

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	4,650290E+08	2,270330E+08	1,097682E+08	1,097641E+08	2,270177E+08	4,650053E+08	7,794214E+08	1,086006E+09	1,283148E+09	1,283162E+09	1,086033E+09	7,794382E+08
-2063	4,650067E+08	2,270172E+08	1,097685E+08	1,097746E+08	2,270334E+08	4,650231E+08	7,794403E+08	1,086020E+09	1,283139E+09	1,283119E+09	1,085976E+09	7,793970E+08
-2062	4,649946E+08	2,270229E+08	1,097755E+08	1,097728E+08	2,270206E+08	4,649996E+08	7,794074E+08	1,085984E+09	1,283120E+09	1,283134E+09	1,086016E+09	7,794454E+08
-2061	4,650332E+08	2,270368E+08	1,097764E+08	1,097777E+08	2,270376E+08	4,650296E+08	7,794418E+08	1,086010E+09	1,283131E+09	1,283133E+09	1,086005E+09	7,794159E+08
-2060	4,649951E+08	2,270123E+08	1,097641E+08	1,097670E+08	2,270219E+08	4,650154E+08	7,794439E+08	1,086030E+09	1,283150E+09	1,283131E+09	1,085993E+09	7,794153E+08
-2059	4,650067E+08	2,270231E+08	1,097651E+08	1,097575E+08	2,270031E+08	4,649876E+08	7,794156E+08	1,086021E+09	1,283178E+09	1,283187E+09	1,086048E+09	7,794556E+08
-2058	4,650219E+08	2,270133E+08	1,097524E+08	1,097552E+08	2,270177E+08	4,650183E+08	7,794478E+08	1,086045E+09	1,283191E+09	1,283187E+09	1,086027E+09	7,794081E+08
-2057	4,649756E+08	2,269886E+08	1,097380E+08	1,097373E+08	2,269901E+08	4,649879E+08	7,794274E+08	1,086038E+09	1,283196E+09	1,283203E+09	1,086055E+09	7,794465E+08
-2056	4,650068E+08	2,270006E+08	1,097346E+08	1,097289E+08	2,269838E+08	4,649872E+08	7,794322E+08	1,086047E+09	1,283215E+09	1,283235E+09	1,086091E+09	7,794678E+08
-2055	4,649973E+08	2,269761E+08	1,097175E+08	1,097225E+08	2,269882E+08	4,650051E+08	7,794667E+08	1,086093E+09	1,283244E+09	1,283221E+09	1,086042E+09	7,794168E+08
-2054	4,649704E+08	2,269665E+08	1,097103E+08	1,097075E+08	2,269621E+08	4,649717E+08	7,794338E+08	1,086071E+09	1,283245E+09	1,283247E+09	1,086081E+09	7,794582E+08
-2053	4,650073E+08	2,269861E+08	1,097151E+08	1,097125E+08	2,269743E+08	4,649894E+08	7,794486E+08	1,086078E+09	1,283248E+09	1,283252E+09	1,086084E+09	7,794434E+08
-2052	4,649757E+08	2,269645E+08	1,097088E+08	1,097130E+08	2,269763E+08	4,649932E+08	7,794588E+08	1,086090E+09	1,283248E+09	1,283229E+09	1,086049E+09	7,794211E+08
-2051	4,649751E+08	2,269766E+08	1,097204E+08	1,097162E+08	2,269686E+08	4,649707E+08	7,794215E+08	1,086052E+09	1,283231E+09	1,283246E+09	1,086088E+09	7,794657E+08
-2050	4,650113E+08	2,269923E+08	1,097290E+08	1,097330E+08	2,270010E+08	4,650142E+08	7,794547E+08	1,086054E+09	1,283200E+09	1,283201E+09	1,086045E+09	7,794202E+08
-2049	4,649759E+08	2,269832E+08	1,097349E+08	1,097389E+08	2,269971E+08	4,650006E+08	7,794420E+08	1,086042E+09	1,283175E+09	1,283162E+09	1,086017E+09	7,794293E+08
-2048	4,650107E+08	2,270194E+08	1,097589E+08	1,097533E+08	2,270023E+08	4,649902E+08	7,794155E+08	1,086010E+09	1,283155E+09	1,283164E+09	1,086037E+09	7,794548E+08
-2047	4,650255E+08	2,270250E+08	1,097696E+08	1,097748E+08	2,270344E+08	4,650234E+08	7,794408E+08	1,086022E+09	1,283140E+09	1,283117E+09	1,085969E+09	7,793890E+08
-2046	4,649918E+08	2,270248E+08	1,097813E+08	1,097817E+08	2,270289E+08	4,650014E+08	7,794013E+08	1,085972E+09	1,283099E+09	1,283101E+09	1,085983E+09	7,794243E+08
-2045	4,650346E+08	2,270579E+08	1,098001E+08	1,097973E+08	2,270477E+08	4,650189E+08	7,794043E+08	1,085952E+09	1,283070E+09	1,283089E+09	1,085991E+09	7,794278E+08
-2044	4,650187E+08	2,270429E+08	1,097983E+08	1,098051E+08	2,270621E+08	4,650407E+08	7,794347E+08	1,085977E+09	1,283067E+09	1,283051E+09	1,085937E+09	7,793876E+08
-2043	4,650086E+08	2,270488E+08	1,098034E+08	1,097995E+08	2,270420E+08	4,650081E+08	7,793996E+08	1,085956E+09	1,283071E+09	1,283079E+09	1,085979E+09	7,794346E+08
-2042	4,650466E+08	2,270644E+08	1,098048E+08	1,098043E+08	2,270597E+08	4,650378E+08	7,794285E+08	1,085976E+09	1,283080E+09	1,283076E+09	1,085964E+09	7,794014E+08
-2041	4,650051E+08	2,270386E+08	1,097941E+08	1,097962E+08	2,270462E+08	4,650231E+08	7,794283E+08	1,085995E+09	1,283104E+09	1,283082E+09	1,085953E+09	7,793997E+08
-2040	4,650158E+08	2,270463E+08	1,097920E+08	1,097846E+08	2,270264E+08	4,649949E+08	7,793960E+08	1,085976E+09	1,283122E+09	1,283141E+09	1,086022E+09	7,794475E+08
-2039	4,650304E+08	2,270358E+08	1,097790E+08	1,097824E+08	2,270417E+08	4,650289E+08	7,794398E+08	1,086016E+09	1,283141E+09	1,283135E+09	1,085996E+09	7,794005E+08
-2038	4,649822E+08	2,270057E+08	1,097600E+08	1,097611E+08	2,270126E+08	4,650012E+08	7,794246E+08	1,086014E+09	1,283149E+09	1,283148E+09	1,086018E+09	7,794342E+08
-2037	4,650140E+08	2,270204E+08	1,097578E+08	1,097520E+08	2,270031E+08	4,649935E+08	7,794188E+08	1,086013E+09	1,283162E+09	1,283176E+09	1,086051E+09	7,794563E+08
-2036	4,650093E+08	2,270009E+08	1,097438E+08	1,097479E+08	2,270097E+08	4,650132E+08	7,794537E+08	1,086055E+09	1,283189E+09	1,283170E+09	1,086006E+09	7,794018E+08
-2035	4,649798E+08	2,269918E+08	1,097389E+08	1,097353E+08	2,269837E+08	4,649758E+08	7,794150E+08	1,086032E+09	1,283195E+09	1,283201E+09	1,086049E+09	7,794447E+08
-2034	4,650151E+08	2,270124E+08	1,097459E+08	1,097437E+08	2,270035E+08	4,650027E+08	7,794293E+08	1,086026E+09	1,283177E+09	1,283187E+09	1,086045E+09	7,794309E+08
-2033	4,649847E+08	2,269909E+08	1,097415E+08	1,097471E+08	2,270083E+08	4,650112E+08	7,794480E+08	1,086044E+09	1,283175E+09	1,283155E+09	1,086000E+09	7,794093E+08
-2032	4,649897E+08	2,270041E+08	1,097521E+08	1,097487E+08	2,269974E+08	4,649841E+08	7,794091E+08	1,086005E+09	1,283156E+09	1,283171E+09	1,086043E+09	7,794566E+08
-2031	4,650282E+08	2,270242E+08	1,097636E+08	1,097670E+08	2,270289E+08	4,650242E+08	7,794449E+08	1,086023E+09	1,283140E+09	1,283127E+09	1,085993E+09	7,794047E+08
-2030	4,649889E+08	2,270131E+08	1,097691E+08	1,097730E+08	2,270260E+08	4,650117E+08	7,794285E+08	1,086005E+09	1,283119E+09	1,283098E+09	1,085967E+09	7,794086E+08
-2029	4,650204E+08	2,270501E+08	1,097946E+08	1,097886E+08	2,270316E+08	4,649974E+08	7,793894E+08	1,085953E+09	1,283083E+09	1,283097E+09	1,085993E+09	7,794390E+08

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°
-2028	4,650372E+08	2,270558E+08	1,098050E+08	1,098105E+08	2,270675E+08	4,650398E+08	7,794237E+08	1,085964E+09	1,283062E+09	1,283052E+09	1,085931E+09	7,793760E+08
-2027	4,650030E+08	2,270531E+08	1,098145E+08	1,098150E+08	2,270584E+08	4,650167E+08	7,793916E+08	1,085930E+09	1,283032E+09	1,283037E+09	1,085945E+09	7,794143E+08
-2026	4,650469E+08	2,270854E+08	1,098312E+08	1,098288E+08	2,270775E+08	4,650362E+08	7,793966E+08	1,085913E+09	1,283001E+09	1,283013E+09	1,085940E+09	7,794138E+08
-2025	4,650320E+08	2,270713E+08	1,098301E+08	1,098363E+08	2,270896E+08	4,650551E+08	7,794290E+08	1,085950E+09	1,283016E+09	1,282986E+09	1,085884E+09	7,793713E+08
-2024	4,650225E+08	2,270767E+08	1,098335E+08	1,098284E+08	2,270644E+08	4,650133E+08	7,793830E+08	1,085920E+09	1,283023E+09	1,283032E+09	1,085944E+09	7,794212E+08
-2023	4,650564E+08	2,270913E+08	1,098355E+08	1,098341E+08	2,270827E+08	4,650414E+08	7,794117E+08	1,085945E+09	1,283035E+09	1,283031E+09	1,085933E+09	7,793894E+08
-2022	4,650106E+08	2,270591E+08	1,098204E+08	1,098236E+08	2,270711E+08	4,650334E+08	7,794130E+08	1,085956E+09	1,283054E+09	1,283039E+09	1,085926E+09	7,793899E+08
-2021	4,650209E+08	2,270654E+08	1,098162E+08	1,098094E+08	2,270481E+08	4,650025E+08	7,793765E+08	1,085925E+09	1,283054E+09	1,283082E+09	1,085990E+09	7,794428E+08
-2020	4,650425E+08	2,270570E+08	1,098026E+08	1,098060E+08	2,270632E+08	4,650400E+08	7,794292E+08	1,085973E+09	1,283076E+09	1,283076E+09	1,085960E+09	7,793925E+08
-2019	4,649961E+08	2,270292E+08	1,097844E+08	1,097841E+08	2,270308E+08	4,650073E+08	7,794143E+08	1,085984E+09	1,283101E+09	1,283094E+09	1,085978E+09	7,794217E+08
-2018	4,650251E+08	2,270456E+08	1,097845E+08	1,097780E+08	2,270260E+08	4,650020E+08	7,794035E+08	1,085974E+09	1,283105E+09	1,283114E+09	1,086003E+09	7,794381E+08
-2017	4,650182E+08	2,270271E+08	1,097745E+08	1,097785E+08	2,270374E+08	4,650262E+08	7,794413E+08	1,086017E+09	1,283135E+09	1,283111E+09	1,085960E+09	7,793842E+08
-2016	4,649881E+08	2,270162E+08	1,097686E+08	1,097659E+08	2,270115E+08	4,649890E+08	7,794010E+08	1,085988E+09	1,283133E+09	1,283146E+09	1,086016E+09	7,794332E+08
-2015	4,650227E+08	2,270370E+08	1,097767E+08	1,097754E+08	2,270318E+08	4,650180E+08	7,794266E+08	1,085998E+09	1,283120E+09	1,283125E+09	1,086005E+09	7,794200E+08
-2014	4,649936E+08	2,270134E+08	1,097700E+08	1,097772E+08	2,270365E+08	4,650278E+08	7,794448E+08	1,086016E+09	1,283124E+09	1,283095E+09	1,085956E+09	7,793942E+08
-2013	4,650001E+08	2,270308E+08	1,097827E+08	1,097788E+08	2,270221E+08	4,649918E+08	7,793912E+08	1,085962E+09	1,283094E+09	1,283105E+09	1,085997E+09	7,794441E+08
-2012	4,650444E+08	2,270559E+08	1,097978E+08	1,097999E+08	2,270560E+08	4,650323E+08	7,794242E+08	1,085972E+09	1,283074E+09	1,283069E+09	1,085952E+09	7,793906E+08
-2011	4,650035E+08	2,270454E+08	1,098051E+08	1,098080E+08	2,270541E+08	4,650180E+08	7,794039E+08	1,085953E+09	1,283052E+09	1,283038E+09	1,085929E+09	7,793956E+08
-2010	4,650327E+08	2,270813E+08	1,098307E+08	1,098253E+08	2,270661E+08	4,650133E+08	7,793671E+08	1,085890E+09	1,282995E+09	1,283016E+09	1,085944E+09	7,794259E+08
-2009	4,650506E+08	2,270867E+08	1,098416E+08	1,098477E+08	2,271021E+08	4,650600E+08	7,794139E+08	1,085915E+09	1,282981E+09	1,282967E+09	1,085875E+09	7,793621E+08
-2008	4,650184E+08	2,270825E+08	1,098477E+08	1,098482E+08	2,270872E+08	4,650308E+08	7,793818E+08	1,085889E+09	1,282962E+09	1,282964E+09	1,085897E+09	7,794007E+08
-2007	4,650606E+08	2,271157E+08	1,098648E+08	1,098611E+08	2,271033E+08	4,650465E+08	7,793914E+08	1,085891E+09	1,282953E+09	1,282951E+09	1,085891E+09	7,793955E+08
-2006	4,650416E+08	2,270973E+08	1,098605E+08	1,098665E+08	2,271148E+08	4,650642E+08	7,794169E+08	1,085920E+09	1,282976E+09	1,282942E+09	1,085846E+09	7,793515E+08
-2005	4,650278E+08	2,271007E+08	1,098625E+08	1,098571E+08	2,270881E+08	4,650184E+08	7,793594E+08	1,085873E+09	1,282967E+09	1,282985E+09	1,085915E+09	7,794117E+08
-2004	4,650656E+08	2,271141E+08	1,098628E+08	1,098618E+08	2,271080E+08	4,650532E+08	7,793952E+08	1,085894E+09	1,282973E+09	1,282985E+09	1,085909E+09	7,793841E+08
-2003	4,650207E+08	2,270797E+08	1,098449E+08	1,098483E+08	2,270923E+08	4,650431E+08	7,794027E+08	1,085919E+09	1,282997E+09	1,282987E+09	1,085898E+09	7,793854E+08
-2002	4,650325E+08	2,270863E+08	1,098395E+08	1,098335E+08	2,270715E+08	4,650152E+08	7,793668E+08	1,085887E+09	1,282990E+09	1,283014E+09	1,085945E+09	7,794314E+08
-2001	4,650556E+08	2,270813E+08	1,098288E+08	1,098312E+08	2,270853E+08	4,650513E+08	7,794219E+08	1,085944E+09	1,283025E+09	1,283013E+09	1,085910E+09	7,793752E+08
-2000	4,650075E+08	2,270537E+08	1,098113E+08	1,098100E+08	2,270516E+08	4,650133E+08	7,794000E+08	1,085950E+09	1,283052E+09	1,283045E+09	1,085941E+09	7,794046E+08
-1999	4,650314E+08	2,270696E+08	1,098139E+08	1,098073E+08	2,270502E+08	4,650105E+08	7,793934E+08	1,085947E+09	1,283059E+09	1,283064E+09	1,085964E+09	7,794203E+08
-1998	4,650215E+08	2,270470E+08	1,098015E+08	1,098076E+08	2,270652E+08	4,650420E+08	7,794330E+08	1,085982E+09	1,283084E+09	1,283062E+09	1,085927E+09	7,793701E+08
-1997	4,649931E+08	2,270371E+08	1,097956E+08	1,097938E+08	2,270365E+08	4,650006E+08	7,793871E+08	1,085942E+09	1,283065E+09	1,283083E+09	1,085981E+09	7,794273E+08
-1996	4,650374E+08	2,270623E+08	1,098053E+08	1,098038E+08	2,270564E+08	4,650293E+08	7,794143E+08	1,085954E+09	1,283055E+09	1,283064E+09	1,085966E+09	7,794118E+08
-1995	4,650117E+08	2,270438E+08	1,098017E+08	1,098069E+08	2,270591E+08	4,650327E+08	7,794273E+08	1,085977E+09	1,283067E+09	1,283037E+09	1,085915E+09	7,793827E+08
-1994	4,650170E+08	2,270639E+08	1,098181E+08	1,098132E+08	2,270516E+08	4,650000E+08	7,793656E+08	1,085905E+09	1,283018E+09	1,283032E+09	1,085945E+09	7,794268E+08
-1993	4,650596E+08	2,270904E+08	1,098369E+08	1,098384E+08	2,270900E+08	4,650466E+08	7,794038E+08	1,085916E+09	1,282997E+09	1,282993E+09	1,085900E+09	7,793735E+08

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	4,650172E+08	2,270775E+08	1,098428E+08	1,098462E+08	2,270887E+08	4,650350E+08	7,793880E+08	1,085898E+09	1,282971E+09	1,282964E+09	1,085885E+09	7,793816E+08
-1991	4,650434E+08	2,271108E+08	1,098670E+08	1,098624E+08	2,270991E+08	4,650325E+08	7,793660E+08	1,085858E+09	1,282925E+09	1,282938E+09	1,085890E+09	7,794076E+08
-1990	4,650602E+08	2,271126E+08	1,098738E+08	1,098813E+08	2,271336E+08	4,650797E+08	7,794131E+08	1,085888E+09	1,282927E+09	1,282903E+09	1,085826E+09	7,793419E+08
-1989	4,650273E+08	2,271097E+08	1,098790E+08	1,098786E+08	2,271121E+08	4,650396E+08	7,793672E+08	1,085850E+09	1,282906E+09	1,282906E+09	1,085855E+09	7,793855E+08
-1988	4,650719E+08	2,271430E+08	1,098961E+08	1,098914E+08	2,271278E+08	4,650535E+08	7,793722E+08	1,085846E+09	1,282901E+09	1,282908E+09	1,085860E+09	7,793829E+08
-1987	4,650531E+08	2,271238E+08	1,098909E+08	1,098960E+08	2,271383E+08	4,650687E+08	7,793942E+08	1,085875E+09	1,282923E+09	1,282900E+09	1,085823E+09	7,793449E+08
-1986	4,650384E+08	2,271242E+08	1,098902E+08	1,098860E+08	2,271155E+08	4,650296E+08	7,793377E+08	1,085815E+09	1,282891E+09	1,282919E+09	1,085879E+09	7,794055E+08
-1985	4,650790E+08	2,271382E+08	1,098903E+08	1,098894E+08	2,271331E+08	4,650669E+08	7,793854E+08	1,085851E+09	1,282901E+09	1,282912E+09	1,085865E+09	7,793763E+08
-1984	4,650360E+08	2,271035E+08	1,098704E+08	1,098732E+08	2,271131E+08	4,650517E+08	7,793924E+08	1,085883E+09	1,282936E+09	1,282922E+09	1,085856E+09	7,793727E+08
-1983	4,650441E+08	2,271109E+08	1,098665E+08	1,098590E+08	2,270914E+08	4,650235E+08	7,793644E+08	1,085869E+09	1,282946E+09	1,282955E+09	1,085896E+09	7,794091E+08
-1982	4,650614E+08	2,271029E+08	1,098547E+08	1,098574E+08	2,271084E+08	4,650622E+08	7,794148E+08	1,085919E+09	1,282988E+09	1,282972E+09	1,085871E+09	7,793517E+08
-1981	4,650093E+08	2,270743E+08	1,098372E+08	1,098362E+08	2,270747E+08	4,650223E+08	7,793844E+08	1,085911E+09	1,283002E+09	1,283001E+09	1,085911E+09	7,793916E+08
-1980	4,650369E+08	2,270894E+08	1,098399E+08	1,098344E+08	2,270756E+08	4,650249E+08	7,793831E+08	1,085906E+09	1,283006E+09	1,283023E+09	1,085940E+09	7,794127E+08
-1979	4,650317E+08	2,270685E+08	1,098274E+08	1,098337E+08	2,270874E+08	4,650520E+08	7,794247E+08	1,085950E+09	1,283032E+09	1,283013E+09	1,085899E+09	7,793655E+08
-1978	4,650071E+08	2,270614E+08	1,098231E+08	1,098221E+08	2,270624E+08	4,650115E+08	7,793726E+08	1,085899E+09	1,282998E+09	1,283014E+09	1,085936E+09	7,794178E+08
-1977	4,650561E+08	2,270937E+08	1,098386E+08	1,098354E+08	2,270819E+08	4,650382E+08	7,793981E+08	1,085911E+09	1,282990E+09	1,282993E+09	1,085916E+09	7,793975E+08
-1976	4,650288E+08	2,270764E+08	1,098376E+08	1,098416E+08	2,270864E+08	4,650385E+08	7,794026E+08	1,085923E+09	1,282996E+09	1,282972E+09	1,085874E+09	7,793669E+08
-1975	4,650295E+08	2,270966E+08	1,098566E+08	1,098515E+08	2,270842E+08	4,650136E+08	7,793511E+08	1,085859E+09	1,282944E+09	1,282958E+09	1,085895E+09	7,794064E+08
-1974	4,650678E+08	2,271182E+08	1,098723E+08	1,098758E+08	2,271257E+08	4,650677E+08	7,793935E+08	1,085867E+09	1,282921E+09	1,282919E+09	1,085850E+09	7,793527E+08
-1973	4,650248E+08	2,271046E+08	1,098763E+08	1,098806E+08	2,271200E+08	4,650519E+08	7,793772E+08	1,085849E+09	1,282891E+09	1,282883E+09	1,085834E+09	7,793677E+08
-1972	4,650569E+08	2,271387E+08	1,098997E+08	1,098952E+08	2,271282E+08	4,650475E+08	7,793568E+08	1,085818E+09	1,282863E+09	1,282874E+09	1,085843E+09	7,793914E+08
-1971	4,650747E+08	2,271426E+08	1,099066E+08	1,099124E+08	2,271575E+08	4,650862E+08	7,793988E+08	1,085854E+09	1,282876E+09	1,282850E+09	1,085788E+09	7,793290E+08
-1970	4,650410E+08	2,271393E+08	1,099120E+08	1,099115E+08	2,271402E+08	4,650472E+08	7,793440E+08	1,085800E+09	1,282841E+09	1,282846E+09	1,085815E+09	7,793728E+08
-1969	4,650860E+08	2,271730E+08	1,099299E+08	1,099244E+08	2,271560E+08	4,650642E+08	7,793531E+08	1,085797E+09	1,282834E+09	1,282846E+09	1,085822E+09	7,793734E+08
-1968	4,650662E+08	2,271505E+08	1,099216E+08	1,099267E+08	2,271648E+08	4,650798E+08	7,793780E+08	1,085826E+09	1,282853E+09	1,282840E+09	1,085791E+09	7,793380E+08
-1967	4,650501E+08	2,271484E+08	1,099187E+08	1,099146E+08	2,271404E+08	4,650441E+08	7,793372E+08	1,085788E+09	1,282830E+09	1,282850E+09	1,085832E+09	7,793899E+08
-1966	4,650877E+08	2,271589E+08	1,099150E+08	1,099150E+08	2,271568E+08	4,650812E+08	7,793834E+08	1,085828E+09	1,282856E+09	1,282855E+09	1,085819E+09	7,793553E+08
-1965	4,650421E+08	2,271255E+08	1,098951E+08	1,098970E+08	2,271324E+08	4,650582E+08	7,793809E+08	1,085852E+09	1,282889E+09	1,282872E+09	1,085817E+09	7,793560E+08
-1964	4,650508E+08	2,271320E+08	1,098920E+08	1,098844E+08	2,271126E+08	4,650304E+08	7,793493E+08	1,085835E+09	1,282906E+09	1,282921E+09	1,085867E+09	7,793927E+08
-1963	4,650673E+08	2,271243E+08	1,098806E+08	1,098832E+08	2,271299E+08	4,650688E+08	7,793989E+08	1,085883E+09	1,282944E+09	1,282936E+09	1,085852E+09	7,793455E+08
-1962	4,650176E+08	2,270948E+08	1,098627E+08	1,098636E+08	2,271008E+08	4,650343E+08	7,793680E+08	1,085861E+09	1,282933E+09	1,282942E+09	1,085880E+09	7,793864E+08
-1961	4,650506E+08	2,271136E+08	1,098674E+08	1,098619E+08	2,270997E+08	4,650374E+08	7,793739E+08	1,085866E+09	1,282938E+09	1,282952E+09	1,085899E+09	7,794069E+08
-1960	4,650497E+08	2,270963E+08	1,098568E+08	1,098620E+08	2,271098E+08	4,650587E+08	7,794095E+08	1,085910E+09	1,282968E+09	1,282947E+09	1,085859E+09	7,793557E+08
-1959	4,650234E+08	2,270921E+08	1,098564E+08	1,098539E+08	2,270871E+08	4,650201E+08	7,793626E+08	1,085865E+09	1,282936E+09	1,282942E+09	1,085881E+09	7,793961E+08
-1958	4,650668E+08	2,271228E+08	1,098728E+08	1,098702E+08	2,271125E+08	4,650508E+08	7,793825E+08	1,085867E+09	1,282928E+09	1,282931E+09	1,085869E+09	7,793732E+08
-1957	4,650356E+08	2,271054E+08	1,098724E+08	1,098770E+08	2,271184E+08	4,650527E+08	7,793839E+08	1,085867E+09	1,282918E+09	1,282901E+09	1,085830E+09	7,793501E+08

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°
-1956	4,650378E+08	2,271232E+08	1,098904E+08	1,098870E+08	2,271176E+08	4,650333E+08	7,793410E+08	1,085811E+09	1,282873E+09	1,282892E+09	1,085851E+09	7,793900E+08
-1955	4,650785E+08	2,271454E+08	1,099047E+08	1,099088E+08	2,271549E+08	4,650834E+08	7,793879E+08	1,085833E+09	1,282860E+09	1,282854E+09	1,085808E+09	7,793413E+08
-1954	4,650391E+08	2,271329E+08	1,099084E+08	1,099136E+08	2,271496E+08	4,650650E+08	7,793642E+08	1,085807E+09	1,282824E+09	1,282810E+09	1,085783E+09	7,793528E+08
-1953	4,650739E+08	2,271711E+08	1,099348E+08	1,099287E+08	2,271548E+08	4,650568E+08	7,793422E+08	1,085779E+09	1,282802E+09	1,282808E+09	1,085798E+09	7,793771E+08
-1952	4,650899E+08	2,271751E+08	1,099425E+08	1,099469E+08	2,271840E+08	4,650902E+08	7,793735E+08	1,085804E+09	1,282812E+09	1,282795E+09	1,085756E+09	7,793187E+08
-1951	4,650535E+08	2,271695E+08	1,099474E+08	1,099465E+08	2,271697E+08	4,650591E+08	7,793295E+08	1,085754E+09	1,282771E+09	1,282779E+09	1,085774E+09	7,793588E+08
-1950	4,650949E+08	2,271976E+08	1,099605E+08	1,099567E+08	2,271862E+08	4,650807E+08	7,793420E+08	1,085751E+09	1,282765E+09	1,282782E+09	1,085782E+09	7,793583E+08
-1949	4,650748E+08	2,271741E+08	1,099487E+08	1,099541E+08	2,271891E+08	4,650913E+08	7,793664E+08	1,085783E+09	1,282782E+09	1,282769E+09	1,085748E+09	7,793268E+08
-1948	4,650618E+08	2,271715E+08	1,099445E+08	1,099402E+08	2,271627E+08	4,650548E+08	7,793276E+08	1,085757E+09	1,282782E+09	1,282796E+09	1,085790E+09	7,793725E+08
-1947	4,650976E+08	2,271827E+08	1,099406E+08	1,099391E+08	2,271754E+08	4,650859E+08	7,793721E+08	1,085803E+09	1,282818E+09	1,282813E+09	1,085787E+09	7,793411E+08
-1946	4,650499E+08	2,271476E+08	1,099208E+08	1,099237E+08	2,271564E+08	4,650659E+08	7,793636E+08	1,085813E+09	1,282838E+09	1,282823E+09	1,085784E+09	7,793432E+08
-1945	4,650595E+08	2,271549E+08	1,099191E+08	1,099118E+08	2,271373E+08	4,650429E+08	7,793389E+08	1,085798E+09	1,282851E+09	1,282869E+09	1,085839E+09	7,793849E+08
-1944	4,650756E+08	2,271458E+08	1,099068E+08	1,099099E+08	2,271530E+08	4,650792E+08	7,793879E+08	1,085845E+09	1,282885E+09	1,282884E+09	1,085828E+09	7,793424E+08
-1943	4,650293E+08	2,271176E+08	1,098894E+08	1,098906E+08	2,271243E+08	4,650482E+08	7,793683E+08	1,085836E+09	1,282877E+09	1,282876E+09	1,085836E+09	7,793734E+08
-1942	4,650619E+08	2,271371E+08	1,098941E+08	1,098892E+08	2,271235E+08	4,650483E+08	7,793655E+08	1,085836E+09	1,282887E+09	1,282893E+09	1,085854E+09	7,793866E+08
-1941	4,650592E+08	2,271234E+08	1,098862E+08	1,098903E+08	2,271320E+08	4,650634E+08	7,793896E+08	1,085865E+09	1,282906E+09	1,282885E+09	1,085816E+09	7,793397E+08
-1940	4,650340E+08	2,271199E+08	1,098889E+08	1,098868E+08	2,271154E+08	4,650290E+08	7,793404E+08	1,085816E+09	1,282877E+09	1,282887E+09	1,085840E+09	7,793778E+08
-1939	4,650758E+08	2,271505E+08	1,099058E+08	1,099036E+08	2,271418E+08	4,650621E+08	7,793640E+08	1,085818E+09	1,282860E+09	1,282869E+09	1,085833E+09	7,793628E+08
-1938	4,650467E+08	2,271323E+08	1,099053E+08	1,099122E+08	2,271518E+08	4,650695E+08	7,793683E+08	1,085811E+09	1,282831E+09	1,282819E+09	1,085782E+09	7,793391E+08
-1937	4,650542E+08	2,271540E+08	1,099249E+08	1,099213E+08	2,271475E+08	4,650491E+08	7,793330E+08	1,085768E+09	1,282796E+09	1,282807E+09	1,085799E+09	7,793767E+08
-1936	4,650949E+08	2,271786E+08	1,099405E+08	1,099431E+08	2,271820E+08	4,650919E+08	7,793723E+08	1,085792E+09	1,282794E+09	1,282784E+09	1,085762E+09	7,793282E+08
-1935	4,650559E+08	2,271677E+08	1,099464E+08	1,099498E+08	2,271783E+08	4,650757E+08	7,793531E+08	1,085771E+09	1,282763E+09	1,282742E+09	1,085731E+09	7,793310E+08
-1934	4,650849E+08	2,272023E+08	1,099713E+08	1,099658E+08	2,271871E+08	4,650693E+08	7,793243E+08	1,085734E+09	1,282743E+09	1,282751E+09	1,085756E+09	7,793559E+08
-1933	4,650977E+08	2,272043E+08	1,099767E+08	1,099815E+08	2,272148E+08	4,651028E+08	7,793538E+08	1,085749E+09	1,282738E+09	1,282730E+09	1,085721E+09	7,793095E+08
-1932	4,650636E+08	2,271948E+08	1,099784E+08	1,099791E+08	2,272000E+08	4,650755E+08	7,793176E+08	1,085710E+09	1,282708E+09	1,282719E+09	1,085735E+09	7,793474E+08
-1931	4,651056E+08	2,272211E+08	1,099878E+08	1,099843E+08	2,272106E+08	4,650928E+08	7,793350E+08	1,085720E+09	1,282710E+09	1,282723E+09	1,085746E+09	7,793500E+08
-1930	4,650872E+08	2,271974E+08	1,099747E+08	1,099808E+08	2,272129E+08	4,651011E+08	7,793539E+08	1,085745E+09	1,282723E+09	1,282706E+09	1,085703E+09	7,793126E+08
-1929	4,650741E+08	2,271973E+08	1,099720E+08	1,099663E+08	2,271836E+08	4,650622E+08	7,793169E+08	1,085726E+09	1,282733E+09	1,282742E+09	1,085752E+09	7,793573E+08
-1928	4,651053E+08	2,272074E+08	1,099687E+08	1,099665E+08	2,271971E+08	4,650904E+08	7,793533E+08	1,085765E+09	1,282771E+09	1,282771E+09	1,085762E+09	7,793326E+08
-1927	4,650583E+08	2,271705E+08	1,099483E+08	1,099512E+08	2,271808E+08	4,650787E+08	7,793562E+08	1,085778E+09	1,282782E+09	1,282768E+09	1,085748E+09	7,793304E+08
-1926	4,650652E+08	2,271739E+08	1,099436E+08	1,099384E+08	2,271626E+08	4,650577E+08	7,793329E+08	1,085764E+09	1,282795E+09	1,282814E+09	1,085803E+09	7,793724E+08
-1925	4,650838E+08	2,271672E+08	1,099308E+08	1,099340E+08	2,271734E+08	4,650870E+08	7,793761E+08	1,085807E+09	1,282823E+09	1,282819E+09	1,085789E+09	7,793347E+08
-1924	4,650418E+08	2,271413E+08	1,099154E+08	1,099163E+08	2,271456E+08	4,650548E+08	7,793529E+08	1,085802E+09	1,282830E+09	1,282822E+09	1,085793E+09	7,793579E+08
-1923	4,650735E+08	2,271638E+08	1,099229E+08	1,099167E+08	2,271449E+08	4,650520E+08	7,793465E+08	1,085798E+09	1,282838E+09	1,282844E+09	1,085818E+09	7,793740E+08
-1922	4,650704E+08	2,271504E+08	1,099174E+08	1,099224E+08	2,271606E+08	4,650718E+08	7,793652E+08	1,085810E+09	1,282835E+09	1,282820E+09	1,085773E+09	7,793256E+08
-1921	4,650463E+08	2,271493E+08	1,099227E+08	1,099209E+08	2,271464E+08	4,650453E+08	7,793279E+08	1,085768E+09	1,282802E+09	1,282813E+09	1,085797E+09	7,793647E+08

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1920	4,650859E+08	2,271792E+08	1,099400E+08	1,099383E+08	2,271724E+08	4,650770E+08	7,793530E+08	1,085774E+09	1,282788E+09	1,282797E+09	1,085790E+09	7,793531E+08
-1919	4,650610E+08	2,271621E+08	1,099398E+08	1,099469E+08	2,271830E+08	4,650889E+08	7,793688E+08	1,085780E+09	1,282765E+09	1,282739E+09	1,085724E+09	7,793187E+08
-1918	4,650659E+08	2,271836E+08	1,099592E+08	1,099563E+08	2,271785E+08	4,650647E+08	7,793254E+08	1,085735E+09	1,282740E+09	1,282743E+09	1,085748E+09	7,793530E+08
-1917	4,651044E+08	2,272101E+08	1,099761E+08	1,099778E+08	2,272099E+08	4,650992E+08	7,793515E+08	1,085744E+09	1,282729E+09	1,282722E+09	1,085721E+09	7,793139E+08
-1916	4,650675E+08	2,271986E+08	1,099830E+08	1,099869E+08	2,272104E+08	4,650856E+08	7,793279E+08	1,085719E+09	1,282704E+09	1,282689E+09	1,085694E+09	7,793177E+08
-1915	4,650958E+08	2,272309E+08	1,100051E+08	1,100001E+08	2,272175E+08	4,650810E+08	7,793037E+08	1,085680E+09	1,282673E+09	1,282692E+09	1,085725E+09	7,793504E+08
-1914	4,651105E+08	2,272302E+08	1,100077E+08	1,100143E+08	2,272450E+08	4,651166E+08	7,793364E+08	1,085692E+09	1,282654E+09	1,282650E+09	1,085676E+09	7,793025E+08
-1913	4,650814E+08	2,272235E+08	1,100088E+08	1,100087E+08	2,272257E+08	4,650887E+08	7,793100E+08	1,085672E+09	1,282635E+09	1,282639E+09	1,085686E+09	7,793353E+08
-1912	4,651192E+08	2,272492E+08	1,100176E+08	1,100124E+08	2,272322E+08	4,650985E+08	7,793208E+08	1,085685E+09	1,282654E+09	1,282660E+09	1,085702E+09	7,793367E+08
-1911	4,650999E+08	2,272252E+08	1,100050E+08	1,100094E+08	2,272366E+08	4,651122E+08	7,793475E+08	1,085716E+09	1,282674E+09	1,282648E+09	1,085656E+09	7,792907E+08
-1910	4,650796E+08	2,272204E+08	1,100000E+08	1,099953E+08	2,272100E+08	4,650748E+08	7,793064E+08	1,085693E+09	1,282689E+09	1,282699E+09	1,085717E+09	7,793360E+08
-1909	4,651065E+08	2,272279E+08	1,099943E+08	1,099926E+08	2,272207E+08	4,651015E+08	7,793407E+08	1,085725E+09	1,282715E+09	1,282722E+09	1,085734E+09	7,793259E+08
-1908	4,650655E+08	2,271896E+08	1,099724E+08	1,099767E+08	2,272044E+08	4,650908E+08	7,793469E+08	1,085749E+09	1,282741E+09	1,282723E+09	1,085717E+09	7,793222E+08
-1907	4,650748E+08	2,271935E+08	1,099660E+08	1,099608E+08	2,271815E+08	4,650646E+08	7,793231E+08	1,085737E+09	1,282753E+09	1,282767E+09	1,085773E+09	7,793670E+08
-1906	4,650965E+08	2,271897E+08	1,099555E+08	1,099585E+08	2,271932E+08	4,650906E+08	7,793565E+08	1,085766E+09	1,282765E+09	1,282760E+09	1,085748E+09	7,793245E+08
-1905	4,650571E+08	2,271696E+08	1,099452E+08	1,099444E+08	2,271676E+08	4,650598E+08	7,793342E+08	1,085759E+09	1,282767E+09	1,282761E+09	1,085753E+09	7,793439E+08
-1904	4,650836E+08	2,271925E+08	1,099559E+08	1,099491E+08	2,271718E+08	4,650585E+08	7,793220E+08	1,085745E+09	1,282770E+09	1,282783E+09	1,085783E+09	7,793644E+08
-1903	4,650823E+08	2,271793E+08	1,099515E+08	1,099570E+08	2,271932E+08	4,650918E+08	7,793569E+08	1,085761E+09	1,282757E+09	1,282743E+09	1,085722E+09	7,793080E+08
-1902	4,650552E+08	2,271758E+08	1,099555E+08	1,099558E+08	2,271801E+08	4,650667E+08	7,793235E+08	1,085728E+09	1,282732E+09	1,282739E+09	1,085744E+09	7,793431E+08
-1901	4,650946E+08	2,272073E+08	1,099725E+08	1,099711E+08	2,272012E+08	4,650910E+08	7,793432E+08	1,085734E+09	1,282719E+09	1,282720E+09	1,085739E+09	7,793384E+08
-1900	4,650748E+08	2,271927E+08	1,099744E+08	1,099813E+08	2,272122E+08	4,650996E+08	7,793533E+08	1,085745E+09	1,282716E+09	1,282680E+09	1,085674E+09	7,792996E+08
-1899	4,650779E+08	2,272146E+08	1,099943E+08	1,099907E+08	2,272067E+08	4,650726E+08	7,793064E+08	1,085694E+09	1,282686E+09	1,282691E+09	1,085712E+09	7,793421E+08
-1898	4,651171E+08	2,272400E+08	1,100117E+08	1,100143E+08	2,272418E+08	4,651094E+08	7,793259E+08	1,085684E+09	1,282652E+09	1,282655E+09	1,085682E+09	7,793056E+08
-1897	4,650833E+08	2,272301E+08	1,100186E+08	1,100223E+08	2,272420E+08	4,651012E+08	7,793132E+08	1,085666E+09	1,282622E+09	1,282614E+09	1,085655E+09	7,793100E+08
-1896	4,651096E+08	2,272605E+08	1,100390E+08	1,100338E+08	2,272467E+08	4,650940E+08	7,792897E+08	1,085633E+09	1,282599E+09	1,282619E+09	1,085683E+09	7,793439E+08
-1895	4,651277E+08	2,272597E+08	1,100396E+08	1,100452E+08	2,272727E+08	4,651334E+08	7,793327E+08	1,085657E+09	1,282587E+09	1,282571E+09	1,085616E+09	7,792809E+08
-1894	4,650923E+08	2,272506E+08	1,100391E+08	1,100388E+08	2,272519E+08	4,651016E+08	7,793028E+08	1,085643E+09	1,282587E+09	1,282580E+09	1,085634E+09	7,793081E+08
-1893	4,651238E+08	2,272745E+08	1,100469E+08	1,100408E+08	2,272552E+08	4,651046E+08	7,793045E+08	1,085648E+09	1,282604E+09	1,282609E+09	1,085664E+09	7,793206E+08
-1892	4,651059E+08	2,272479E+08	1,100334E+08	1,100385E+08	2,272623E+08	4,651208E+08	7,793290E+08	1,085681E+09	1,282635E+09	1,282610E+09	1,085628E+09	7,792780E+08
-1891	4,650847E+08	2,272398E+08	1,100246E+08	1,100207E+08	2,272331E+08	4,650857E+08	7,792944E+08	1,085657E+09	1,282640E+09	1,282659E+09	1,085697E+09	7,793340E+08
-1890	4,651157E+08	2,272459E+08	1,100172E+08	1,100166E+08	2,272419E+08	4,651098E+08	7,793259E+08	1,085681E+09	1,282649E+09	1,282662E+09	1,085701E+09	7,793236E+08
-1889	4,650822E+08	2,272137E+08	1,099970E+08	1,099998E+08	2,272230E+08	4,650976E+08	7,793356E+08	1,085714E+09	1,282680E+09	1,282661E+09	1,085679E+09	7,793140E+08
-1888	4,650887E+08	2,272199E+08	1,099938E+08	1,099865E+08	2,272005E+08	4,650664E+08	7,793025E+08	1,085697E+09	1,282699E+09	1,282711E+09	1,085735E+09	7,793570E+08
-1887	4,651110E+08	2,272180E+08	1,099862E+08	1,099878E+08	2,272182E+08	4,651012E+08	7,793432E+08	1,085724E+09	1,282704E+09	1,282697E+09	1,085699E+09	7,793027E+08
-1886	4,650648E+08	2,271957E+08	1,099768E+08	1,099774E+08	2,271991E+08	4,650772E+08	7,793235E+08	1,085717E+09	1,282706E+09	1,282701E+09	1,085709E+09	7,793203E+08
-1885	4,650868E+08	2,272165E+08	1,099866E+08	1,099812E+08	2,272021E+08	4,650763E+08	7,793136E+08	1,085701E+09	1,282699E+09	1,282715E+09	1,085739E+09	7,793512E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,650911E+08	2,272035E+08	1,099822E+08	1,099896E+08	2,272244E+08	4,651103E+08	7,793519E+08	1,085731E+09	1,282705E+09	1,282681E+09	1,085677E+09	7,792929E+08
-1883	4,650656E+08	2,272010E+08	1,099851E+08	1,099858E+08	2,272068E+08	4,650803E+08	7,793173E+08	1,085700E+09	1,282683E+09	1,282683E+09	1,085704E+09	7,793311E+08
-1882	4,651067E+08	2,272343E+08	1,100044E+08	1,100028E+08	2,272268E+08	4,650981E+08	7,793238E+08	1,085689E+09	1,282656E+09	1,282658E+09	1,085694E+09	7,793265E+08
-1881	4,650927E+08	2,272265E+08	1,100109E+08	1,100161E+08	2,272397E+08	4,651063E+08	7,793311E+08	1,085695E+09	1,282647E+09	1,282618E+09	1,085637E+09	7,792885E+08
-1880	4,650922E+08	2,272480E+08	1,100325E+08	1,100281E+08	2,272372E+08	4,650794E+08	7,792768E+08	1,085632E+09	1,282608E+09	1,282625E+09	1,085677E+09	7,793369E+08
-1879	4,651345E+08	2,272729E+08	1,100492E+08	1,100513E+08	2,272753E+08	4,651279E+08	7,793118E+08	1,085625E+09	1,282563E+09	1,282569E+09	1,085629E+09	7,792910E+08
-1878	4,650982E+08	2,272609E+08	1,100541E+08	1,100586E+08	2,272752E+08	4,651200E+08	7,793043E+08	1,085619E+09	1,282541E+09	1,282531E+09	1,085596E+09	7,792878E+08
-1877	4,651209E+08	2,272898E+08	1,100716E+08	1,100657E+08	2,272738E+08	4,651057E+08	7,792775E+08	1,085590E+09	1,282527E+09	1,282540E+09	1,085627E+09	7,793252E+08
-1876	4,651402E+08	2,272888E+08	1,100723E+08	1,100771E+08	2,272995E+08	4,651429E+08	7,793182E+08	1,085626E+09	1,282544E+09	1,282517E+09	1,085568E+09	7,792588E+08
-1875	4,650999E+08	2,272762E+08	1,100688E+08	1,100680E+08	2,272766E+08	4,651104E+08	7,792887E+08	1,085610E+09	1,282546E+09	1,282541E+09	1,085605E+09	7,792940E+08
-1874	4,651289E+08	2,272955E+08	1,100746E+08	1,100697E+08	2,272807E+08	4,651144E+08	7,792868E+08	1,085603E+09	1,282546E+09	1,282560E+09	1,085635E+09	7,793131E+08
-1873	4,651169E+08	2,272710E+08	1,100603E+08	1,100653E+08	2,272860E+08	4,651334E+08	7,793204E+08	1,085643E+09	1,282574E+09	1,282558E+09	1,085603E+09	7,792740E+08
-1872	4,650949E+08	2,272611E+08	1,100499E+08	1,100460E+08	2,272543E+08	4,650941E+08	7,792831E+08	1,085622E+09	1,282585E+09	1,282605E+09	1,085668E+09	7,793325E+08
-1871	4,651317E+08	2,272695E+08	1,100424E+08	1,100406E+08	2,272628E+08	4,651220E+08	7,793201E+08	1,085648E+09	1,282593E+09	1,282598E+09	1,085654E+09	7,793076E+08
-1870	4,650939E+08	2,272383E+08	1,100242E+08	1,100264E+08	2,272453E+08	4,651067E+08	7,793247E+08	1,085681E+09	1,282630E+09	1,282607E+09	1,085633E+09	7,792902E+08
-1869	4,650947E+08	2,272441E+08	1,100220E+08	1,100147E+08	2,272241E+08	4,650731E+08	7,792838E+08	1,085653E+09	1,282639E+09	1,282655E+09	1,085695E+09	7,793410E+08
-1868	4,651188E+08	2,272419E+08	1,100160E+08	1,100189E+08	2,272470E+08	4,651134E+08	7,793260E+08	1,085684E+09	1,282654E+09	1,282645E+09	1,085661E+09	7,792868E+08
-1867	4,650708E+08	2,272172E+08	1,100044E+08	1,100066E+08	2,272271E+08	4,650943E+08	7,793172E+08	1,085681E+09	1,282648E+09	1,282646E+09	1,085675E+09	7,793115E+08
-1866	4,650955E+08	2,272375E+08	1,100143E+08	1,100103E+08	2,272281E+08	4,650894E+08	7,793040E+08	1,085660E+09	1,282629E+09	1,282643E+09	1,085694E+09	7,793411E+08
-1865	4,651082E+08	2,272324E+08	1,100130E+08	1,100189E+08	2,272480E+08	4,651199E+08	7,793415E+08	1,085694E+09	1,282639E+09	1,282613E+09	1,085634E+09	7,792804E+08
-1864	4,650809E+08	2,272331E+08	1,100202E+08	1,100188E+08	2,272315E+08	4,650843E+08	7,792949E+08	1,085655E+09	1,282623E+09	1,282624E+09	1,085664E+09	7,793215E+08
-1863	4,651254E+08	2,272687E+08	1,100419E+08	1,100386E+08	2,272569E+08	4,651097E+08	7,793033E+08	1,085634E+09	1,282582E+09	1,282587E+09	1,085644E+09	7,793069E+08
-1862	4,651062E+08	2,272597E+08	1,100497E+08	1,100554E+08	2,272752E+08	4,651229E+08	7,793130E+08	1,085639E+09	1,282569E+09	1,282547E+09	1,085589E+09	7,792682E+08
-1861	4,651025E+08	2,272786E+08	1,100691E+08	1,100656E+08	2,272713E+08	4,650966E+08	7,792621E+08	1,085577E+09	1,282522E+09	1,282543E+09	1,085628E+09	7,793245E+08
-1860	4,651483E+08	2,273020E+08	1,100840E+08	1,100872E+08	2,273081E+08	4,651439E+08	7,793013E+08	1,085588E+09	1,282500E+09	1,282496E+09	1,085575E+09	7,792725E+08
-1859	4,651098E+08	2,272883E+08	1,100855E+08	1,100901E+08	2,273031E+08	4,651347E+08	7,792979E+08	1,085587E+09	1,282487E+09	1,282470E+09	1,085551E+09	7,792706E+08
-1858	4,651299E+08	2,273151E+08	1,101025E+08	1,100964E+08	2,272985E+08	4,651134E+08	7,792612E+08	1,085549E+09	1,282468E+09	1,282480E+09	1,085582E+09	7,793073E+08
-1857	4,651522E+08	2,273175E+08	1,101043E+08	1,101079E+08	2,273246E+08	4,651510E+08	7,793016E+08	1,085584E+09	1,282484E+09	1,282467E+09	1,085539E+09	7,792471E+08
-1856	4,651085E+08	2,273019E+08	1,100998E+08	1,100988E+08	2,273027E+08	4,651188E+08	7,792684E+08	1,085563E+09	1,282487E+09	1,282494E+09	1,085581E+09	7,792915E+08
-1855	4,651419E+08	2,273191E+08	1,101025E+08	1,100976E+08	2,273068E+08	4,651313E+08	7,792790E+08	1,085559E+09	1,282477E+09	1,282495E+09	1,085595E+09	7,793029E+08
-1854	4,651297E+08	2,272944E+08	1,100869E+08	1,100923E+08	2,273101E+08	4,651465E+08	7,793145E+08	1,085610E+09	1,282514E+09	1,282495E+09	1,085560E+09	7,792586E+08
-1853	4,651059E+08	2,272842E+08	1,100750E+08	1,100705E+08	2,272741E+08	4,651003E+08	7,792704E+08	1,085587E+09	1,282527E+09	1,282542E+09	1,085624E+09	7,793188E+08
-1852	4,651436E+08	2,272940E+08	1,100696E+08	1,100673E+08	2,272841E+08	4,651261E+08	7,793034E+08	1,085619E+09	1,282554E+09	1,282551E+09	1,085614E+09	7,792885E+08
-1851	4,651010E+08	2,272610E+08	1,100506E+08	1,100531E+08	2,272688E+08	4,651162E+08	7,793116E+08	1,085646E+09	1,282584E+09	1,282565E+09	1,085604E+09	7,792759E+08
-1850	4,650986E+08	2,272636E+08	1,100485E+08	1,100425E+08	2,272493E+08	4,650850E+08	7,792697E+08	1,085609E+09	1,282576E+09	1,282599E+09	1,085660E+09	7,793294E+08
-1849	4,651297E+08	2,272661E+08	1,100440E+08	1,100470E+08	2,272726E+08	4,651289E+08	7,793209E+08	1,085647E+09	1,282588E+09	1,282585E+09	1,085629E+09	7,792790E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,650827E+08	2,272420E+08	1,100333E+08	1,100355E+08	2,272513E+08	4,651043E+08	7,793065E+08	1,085646E+09	1,282591E+09	1,282586E+09	1,085638E+09	7,793045E+08
-1847	4,651123E+08	2,272655E+08	1,100449E+08	1,100397E+08	2,272532E+08	4,651026E+08	7,792948E+08	1,085623E+09	1,282567E+09	1,282574E+09	1,085642E+09	7,793216E+08
-1846	4,651225E+08	2,272643E+08	1,100484E+08	1,100533E+08	2,272757E+08	4,651288E+08	7,793247E+08	1,085652E+09	1,282578E+09	1,282552E+09	1,085586E+09	7,792577E+08
-1845	4,650914E+08	2,272645E+08	1,100570E+08	1,100556E+08	2,272619E+08	4,650921E+08	7,792689E+08	1,085596E+09	1,282546E+09	1,282556E+09	1,085622E+09	7,793078E+08
-1844	4,651389E+08	2,273005E+08	1,100800E+08	1,100778E+08	2,272919E+08	4,651227E+08	7,792804E+08	1,085579E+09	1,282511E+09	1,282519E+09	1,085601E+09	7,792926E+08
-1843	4,651181E+08	2,272887E+08	1,100845E+08	1,100915E+08	2,273089E+08	4,651417E+08	7,793015E+08	1,085588E+09	1,282490E+09	1,282473E+09	1,085546E+09	7,792569E+08
-1842	4,651149E+08	2,273057E+08	1,101023E+08	1,100996E+08	2,273010E+08	4,651111E+08	7,792499E+08	1,085528E+09	1,282440E+09	1,282457E+09	1,085572E+09	7,793088E+08
-1841	4,651658E+08	2,273344E+08	1,101182E+08	1,101198E+08	2,273349E+08	4,651554E+08	7,792904E+08	1,085548E+09	1,282429E+09	1,282422E+09	1,085526E+09	7,792549E+08
-1840	4,651227E+08	2,273197E+08	1,101206E+08	1,101236E+08	2,273295E+08	4,651419E+08	7,792803E+08	1,085548E+09	1,282431E+09	1,282412E+09	1,085510E+09	7,792569E+08
-1839	4,651429E+08	2,273442E+08	1,101359E+08	1,101293E+08	2,273281E+08	4,651290E+08	7,792486E+08	1,085506E+09	1,282405E+09	1,282419E+09	1,085539E+09	7,792875E+08
-1838	4,651606E+08	2,273446E+08	1,101369E+08	1,101412E+08	2,273550E+08	4,651677E+08	7,792927E+08	1,085544E+09	1,282424E+09	1,282412E+09	1,085503E+09	7,792320E+08
-1837	4,651160E+08	2,273248E+08	1,101279E+08	1,101281E+08	2,273290E+08	4,651324E+08	7,792596E+08	1,085525E+09	1,282424E+09	1,282434E+09	1,085547E+09	7,792851E+08
-1836	4,651544E+08	2,273415E+08	1,101284E+08	1,101242E+08	2,273298E+08	4,651400E+08	7,792699E+08	1,085536E+09	1,282437E+09	1,282443E+09	1,085557E+09	7,792899E+08
-1835	4,651400E+08	2,273157E+08	1,101102E+08	1,101152E+08	2,273291E+08	4,651539E+08	7,793054E+08	1,085584E+09	1,282475E+09	1,282452E+09	1,085528E+09	7,792463E+08
-1834	4,651135E+08	2,273047E+08	1,100994E+08	1,100944E+08	2,272922E+08	4,651026E+08	7,792519E+08	1,085548E+09	1,282474E+09	1,282490E+09	1,085587E+09	7,793049E+08
-1833	4,651540E+08	2,273184E+08	1,100966E+08	1,100934E+08	2,273054E+08	4,651313E+08	7,792843E+08	1,085574E+09	1,282493E+09	1,282501E+09	1,085588E+09	7,792780E+08
-1832	4,651088E+08	2,272844E+08	1,100789E+08	1,100816E+08	2,272937E+08	4,651259E+08	7,792945E+08	1,085600E+09	1,282522E+09	1,282512E+09	1,085577E+09	7,792718E+08
-1831	4,651112E+08	2,272869E+08	1,100759E+08	1,100705E+08	2,272762E+08	4,651035E+08	7,792638E+08	1,085565E+09	1,282503E+09	1,282526E+09	1,085613E+09	7,793131E+08
-1830	4,651410E+08	2,272923E+08	1,100737E+08	1,100768E+08	2,272987E+08	4,651428E+08	7,793153E+08	1,085614E+09	1,282525E+09	1,282515E+09	1,085578E+09	7,792602E+08
-1829	4,650948E+08	2,272697E+08	1,100642E+08	1,100659E+08	2,272761E+08	4,651122E+08	7,792915E+08	1,085607E+09	1,282530E+09	1,282519E+09	1,085590E+09	7,792888E+08
-1828	4,651261E+08	2,272957E+08	1,100790E+08	1,100736E+08	2,272803E+08	4,651077E+08	7,792744E+08	1,085586E+09	1,282518E+09	1,282518E+09	1,085598E+09	7,793020E+08
-1827	4,651324E+08	2,272932E+08	1,100824E+08	1,100880E+08	2,273065E+08	4,651413E+08	7,793072E+08	1,085605E+09	1,282516E+09	1,282497E+09	1,085553E+09	7,792450E+08
-1826	4,650996E+08	2,272914E+08	1,100915E+08	1,100914E+08	2,272941E+08	4,651069E+08	7,792515E+08	1,085540E+09	1,282462E+09	1,282479E+09	1,085579E+09	7,792969E+08
-1825	4,651540E+08	2,273310E+08	1,101149E+08	1,101131E+08	2,273237E+08	4,651399E+08	7,792705E+08	1,085529E+09	1,282425E+09	1,282441E+09	1,085559E+09	7,792823E+08
-1824	4,651332E+08	2,273196E+08	1,101195E+08	1,101264E+08	2,273391E+08	4,651556E+08	7,792899E+08	1,085546E+09	1,282420E+09	1,282398E+09	1,085497E+09	7,792454E+08
-1823	4,651326E+08	2,273376E+08	1,101366E+08	1,101329E+08	2,273305E+08	4,651276E+08	7,792407E+08	1,085487E+09	1,282371E+09	1,282379E+09	1,085511E+09	7,792823E+08
-1822	4,651774E+08	2,273675E+08	1,101552E+08	1,101558E+08	2,273645E+08	4,651666E+08	7,792767E+08	1,085509E+09	1,282371E+09	1,282359E+09	1,085476E+09	7,792317E+08
-1821	4,651317E+08	2,273491E+08	1,101555E+08	1,101589E+08	2,273595E+08	4,651512E+08	7,792597E+08	1,085500E+09	1,282367E+09	1,282353E+09	1,085473E+09	7,792445E+08
-1820	4,651532E+08	2,273708E+08	1,101686E+08	1,101633E+08	2,273582E+08	4,651407E+08	7,792338E+08	1,085468E+09	1,282352E+09	1,282366E+09	1,085505E+09	7,792770E+08
-1819	4,651699E+08	2,273676E+08	1,101645E+08	1,101698E+08	2,273811E+08	4,651821E+08	7,792855E+08	1,085508E+09	1,282366E+09	1,282357E+09	1,085475E+09	7,792270E+08
-1818	4,651263E+08	2,273461E+08	1,101531E+08	1,101531E+08	2,273490E+08	4,651387E+08	7,792459E+08	1,085485E+09	1,282361E+09	1,282368E+09	1,085506E+09	7,792762E+08
-1817	4,651703E+08	2,273682E+08	1,101549E+08	1,101486E+08	2,273480E+08	4,651430E+08	7,792529E+08	1,085496E+09	1,282379E+09	1,282389E+09	1,085523E+09	7,792788E+08
-1816	4,651522E+08	2,273423E+08	1,101384E+08	1,101417E+08	2,273491E+08	4,651553E+08	7,792823E+08	1,085541E+09	1,282423E+09	1,282403E+09	1,085495E+09	7,792361E+08
-1815	4,651249E+08	2,273294E+08	1,101270E+08	1,101220E+08	2,273182E+08	4,651164E+08	7,792375E+08	1,085503E+09	1,282411E+09	1,282429E+09	1,085545E+09	7,792850E+08
-1814	4,651600E+08	2,273427E+08	1,101260E+08	1,101237E+08	2,273338E+08	4,651483E+08	7,792785E+08	1,085538E+09	1,282432E+09	1,282440E+09	1,085546E+09	7,792626E+08
-1813	4,651154E+08	2,273056E+08	1,101057E+08	1,101102E+08	2,273203E+08	4,651410E+08	7,792899E+08	1,085568E+09	1,282462E+09	1,282447E+09	1,085536E+09	7,792612E+08

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1812	4,651219E+08	2,273095E+08	1,101029E+08	1,100987E+08	2,273012E+08	4,651150E+08	7,792597E+08	1,085547E+09	1,282463E+09	1,282471E+09	1,085571E+09	7,792960E+08
-1811	4,651492E+08	2,273160E+08	1,101007E+08	1,101038E+08	2,273216E+08	4,651527E+08	7,793067E+08	1,085586E+09	1,282482E+09	1,282468E+09	1,085544E+09	7,792461E+08
-1810	4,651022E+08	2,272945E+08	1,100943E+08	1,100958E+08	2,272996E+08	4,651162E+08	7,792694E+08	1,085561E+09	1,282468E+09	1,282460E+09	1,085552E+09	7,792756E+08
-1809	4,651395E+08	2,273260E+08	1,101128E+08	1,101071E+08	2,273086E+08	4,651153E+08	7,792493E+08	1,085528E+09	1,282443E+09	1,282459E+09	1,085568E+09	7,792938E+08
-1808	4,651455E+08	2,273238E+08	1,101178E+08	1,101236E+08	2,273377E+08	4,651534E+08	7,792857E+08	1,085547E+09	1,282436E+09	1,282425E+09	1,085515E+09	7,792413E+08
-1807	4,651180E+08	2,273224E+08	1,101261E+08	1,101266E+08	2,273275E+08	4,651278E+08	7,792419E+08	1,085487E+09	1,282372E+09	1,282386E+09	1,085518E+09	7,792782E+08
-1806	4,651698E+08	2,273647E+08	1,101519E+08	1,101496E+08	2,273551E+08	4,651557E+08	7,792624E+08	1,085489E+09	1,282350E+09	1,282353E+09	1,085494E+09	7,792597E+08
-1805	4,651472E+08	2,273527E+08	1,101563E+08	1,101625E+08	2,273691E+08	4,651665E+08	7,792750E+08	1,085504E+09	1,282353E+09	1,282323E+09	1,085442E+09	7,792250E+08
-1804	4,651456E+08	2,273702E+08	1,101738E+08	1,101700E+08	2,273613E+08	4,651369E+08	7,792249E+08	1,085454E+09	1,282323E+09	1,282324E+09	1,085465E+09	7,792587E+08
-1803	4,651829E+08	2,273951E+08	1,101889E+08	1,101905E+08	2,273961E+08	4,651819E+08	7,792641E+08	1,085469E+09	1,282317E+09	1,282312E+09	1,085447E+09	7,792202E+08
-1802	4,651380E+08	2,273734E+08	1,101869E+08	1,101912E+08	2,273880E+08	4,651643E+08	7,792458E+08	1,085455E+09	1,282301E+09	1,282293E+09	1,085440E+09	7,792389E+08
-1801	4,651671E+08	2,273965E+08	1,101975E+08	1,101923E+08	2,273831E+08	4,651513E+08	7,792214E+08	1,085425E+09	1,282285E+09	1,282308E+09	1,085476E+09	7,792725E+08
-1800	4,651842E+08	2,273935E+08	1,101924E+08	1,101966E+08	2,274025E+08	4,651880E+08	7,792699E+08	1,085471E+09	1,282310E+09	1,282301E+09	1,085440E+09	7,792226E+08
-1799	4,651431E+08	2,273726E+08	1,101802E+08	1,101788E+08	2,273711E+08	4,651482E+08	7,792312E+08	1,085444E+09	1,282299E+09	1,282302E+09	1,085457E+09	7,792553E+08
-1798	4,651795E+08	2,273952E+08	1,101849E+08	1,101776E+08	2,273717E+08	4,651498E+08	7,792359E+08	1,085455E+09	1,282321E+09	1,282330E+09	1,085479E+09	7,792602E+08
-1797	4,651587E+08	2,273656E+08	1,101669E+08	1,101712E+08	2,273759E+08	4,651655E+08	7,792640E+08	1,085495E+09	1,282361E+09	1,282346E+09	1,085459E+09	7,792245E+08
-1796	4,651326E+08	2,273509E+08	1,101540E+08	1,101509E+08	2,273453E+08	4,651305E+08	7,792307E+08	1,085474E+09	1,282361E+09	1,282375E+09	1,085507E+09	7,792696E+08
-1795	4,651638E+08	2,273614E+08	1,101497E+08	1,101491E+08	2,273584E+08	4,651649E+08	7,792789E+08	1,085513E+09	1,282383E+09	1,282386E+09	1,085512E+09	7,792523E+08
-1794	4,651227E+08	2,273258E+08	1,101299E+08	1,101343E+08	2,273401E+08	4,651485E+08	7,792805E+08	1,085538E+09	1,282409E+09	1,282385E+09	1,085493E+09	7,792493E+08
-1793	4,651352E+08	2,273357E+08	1,101305E+08	1,101249E+08	2,273213E+08	4,651187E+08	7,792426E+08	1,085508E+09	1,282410E+09	1,282421E+09	1,085538E+09	7,792850E+08
-1792	4,651615E+08	2,273446E+08	1,101324E+08	1,101340E+08	2,273450E+08	4,651558E+08	7,792823E+08	1,085539E+09	1,282425E+09	1,282417E+09	1,085513E+09	7,792399E+08
-1791	4,651174E+08	2,273243E+08	1,101275E+08	1,101291E+08	2,273308E+08	4,651315E+08	7,792499E+08	1,085504E+09	1,282390E+09	1,282388E+09	1,085505E+09	7,792591E+08
-1790	4,651519E+08	2,273580E+08	1,101496E+08	1,101442E+08	2,273423E+08	4,651329E+08	7,792367E+08	1,085477E+09	1,282363E+09	1,282378E+09	1,085517E+09	7,792806E+08
-1789	4,651599E+08	2,273540E+08	1,101533E+08	1,101602E+08	2,273708E+08	4,651697E+08	7,792738E+08	1,085500E+09	1,282357E+09	1,282341E+09	1,085460E+09	7,792272E+08
-1788	4,651340E+08	2,273542E+08	1,101618E+08	1,101628E+08	2,273590E+08	4,651420E+08	7,792352E+08	1,085459E+09	1,282316E+09	1,282313E+09	1,085459E+09	7,792532E+08
-1787	4,651782E+08	2,273948E+08	1,101867E+08	1,101842E+08	2,273850E+08	4,651697E+08	7,792535E+08	1,085456E+09	1,282297E+09	1,282293E+09	1,085448E+09	7,792388E+08
-1786	4,651539E+08	2,273814E+08	1,101916E+08	1,101974E+08	2,273974E+08	4,651740E+08	7,792536E+08	1,085456E+09	1,282288E+09	1,282261E+09	1,085400E+09	7,792095E+08
-1785	4,651570E+08	2,274005E+08	1,102091E+08	1,102055E+08	2,273922E+08	4,651481E+08	7,792029E+08	1,085396E+09	1,282252E+09	1,282271E+09	1,085439E+09	7,792525E+08
-1784	4,651950E+08	2,274238E+08	1,102228E+08	1,102242E+08	2,274254E+08	4,651937E+08	7,792449E+08	1,085416E+09	1,282244E+09	1,282249E+09	1,085416E+09	7,792209E+08
-1783	4,651565E+08	2,274016E+08	1,102175E+08	1,102219E+08	2,274165E+08	4,651799E+08	7,792327E+08	1,085405E+09	1,282222E+09	1,282213E+09	1,085390E+09	7,792260E+08
-1782	4,651833E+08	2,274268E+08	1,102294E+08	1,102228E+08	2,274082E+08	4,651606E+08	7,792080E+08	1,085386E+09	1,282220E+09	1,282233E+09	1,085422E+09	7,792570E+08
-1781	4,651978E+08	2,274211E+08	1,102226E+08	1,102257E+08	2,274257E+08	4,651929E+08	7,792504E+08	1,085429E+09	1,282251E+09	1,282237E+09	1,085393E+09	7,792060E+08
-1780	4,651540E+08	2,273988E+08	1,102099E+08	1,102085E+08	2,273963E+08	4,651565E+08	7,792191E+08	1,085415E+09	1,282254E+09	1,282251E+09	1,085414E+09	7,792321E+08
-1779	4,651805E+08	2,274152E+08	1,102109E+08	1,102051E+08	2,273985E+08	4,651666E+08	7,792308E+08	1,085424E+09	1,282274E+09	1,282284E+09	1,085448E+09	7,792461E+08
-1778	4,651598E+08	2,273829E+08	1,101909E+08	1,101964E+08	2,273996E+08	4,651799E+08	7,792591E+08	1,085463E+09	1,282306E+09	1,282291E+09	1,085426E+09	7,792157E+08
-1777	4,651417E+08	2,273707E+08	1,101771E+08	1,101747E+08	2,273671E+08	4,651426E+08	7,792256E+08	1,085444E+09	1,282313E+09	1,282330E+09	1,085479E+09	7,792622E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,651741E+08	2,273832E+08	1,101741E+08	1,101724E+08	2,273770E+08	4,651707E+08	7,792672E+08	1,085485E+09	1,282342E+09	1,282341E+09	1,085480E+09	7,792475E+08
-1775	4,651383E+08	2,273516E+08	1,101567E+08	1,101598E+08	2,273615E+08	4,651552E+08	7,792630E+08	1,085497E+09	1,282354E+09	1,282329E+09	1,085450E+09	7,792325E+08
-1774	4,651469E+08	2,273654E+08	1,101636E+08	1,101568E+08	2,273467E+08	4,651237E+08	7,792193E+08	1,085460E+09	1,282347E+09	1,282359E+09	1,085496E+09	7,792723E+08
-1773	4,651733E+08	2,273731E+08	1,101665E+08	1,101686E+08	2,273752E+08	4,651654E+08	7,792573E+08	1,085480E+09	1,282348E+09	1,282349E+09	1,085474E+09	7,792317E+08
-1772	4,651322E+08	2,273539E+08	1,101623E+08	1,101652E+08	2,273636E+08	4,651481E+08	7,792399E+08	1,085461E+09	1,282317E+09	1,282313E+09	1,085455E+09	7,792415E+08
-1771	4,651612E+08	2,273852E+08	1,101823E+08	1,101781E+08	2,273743E+08	4,651529E+08	7,792327E+08	1,085438E+09	1,282292E+09	1,282302E+09	1,085465E+09	7,792636E+08
-1770	4,651707E+08	2,273829E+08	1,101870E+08	1,101933E+08	2,273990E+08	4,651818E+08	7,792610E+08	1,085459E+09	1,282288E+09	1,282263E+09	1,085403E+09	7,792083E+08
-1769	4,651486E+08	2,273867E+08	1,101975E+08	1,101974E+08	2,273874E+08	4,651509E+08	7,792159E+08	1,085411E+09	1,282253E+09	1,282254E+09	1,085416E+09	7,792347E+08
-1768	4,651884E+08	2,274261E+08	1,102236E+08	1,102202E+08	2,274149E+08	4,651786E+08	7,792315E+08	1,085407E+09	1,282235E+09	1,282238E+09	1,085412E+09	7,792294E+08
-1767	4,651684E+08	2,274125E+08	1,102274E+08	1,102338E+08	2,274317E+08	4,651916E+08	7,792363E+08	1,085401E+09	1,282210E+09	1,282190E+09	1,085356E+09	7,791953E+08
-1766	4,651696E+08	2,274315E+08	1,102455E+08	1,102420E+08	2,274247E+08	4,651647E+08	7,791917E+08	1,085350E+09	1,282176E+09	1,282194E+09	1,085393E+09	7,792443E+08
-1765	4,652104E+08	2,274519E+08	1,102556E+08	1,102574E+08	2,274544E+08	4,652064E+08	7,792317E+08	1,085372E+09	1,282173E+09	1,282176E+09	1,085370E+09	7,792122E+08
-1764	4,651743E+08	2,274309E+08	1,102490E+08	1,102526E+08	2,274419E+08	4,651897E+08	7,792240E+08	1,085376E+09	1,282169E+09	1,282149E+09	1,085338E+09	7,792035E+08
-1763	4,651908E+08	2,274519E+08	1,102582E+08	1,102512E+08	2,274325E+08	4,651708E+08	7,791971E+08	1,085353E+09	1,282171E+09	1,282181E+09	1,085380E+09	7,792370E+08
-1762	4,652021E+08	2,274439E+08	1,102507E+08	1,102534E+08	2,274487E+08	4,651987E+08	7,792303E+08	1,085385E+09	1,282194E+09	1,282183E+09	1,085356E+09	7,791912E+08
-1761	4,651614E+08	2,274213E+08	1,102367E+08	1,102360E+08	2,274216E+08	4,651679E+08	7,792035E+08	1,085369E+09	1,282198E+09	1,282208E+09	1,085389E+09	7,792234E+08
-1760	4,651868E+08	2,274352E+08	1,102362E+08	1,102307E+08	2,274215E+08	4,651789E+08	7,792226E+08	1,085389E+09	1,282219E+09	1,282235E+09	1,085421E+09	7,792440E+08
-1759	4,651740E+08	2,274049E+08	1,102148E+08	1,102203E+08	2,274219E+08	4,651928E+08	7,792520E+08	1,085428E+09	1,282246E+09	1,282228E+09	1,085382E+09	7,792027E+08
-1758	4,651550E+08	2,273972E+08	1,102052E+08	1,102009E+08	2,273877E+08	4,651491E+08	7,792136E+08	1,085412E+09	1,282262E+09	1,282269E+09	1,085435E+09	7,792503E+08
-1757	4,651878E+08	2,274096E+08	1,102037E+08	1,102006E+08	2,273986E+08	4,651731E+08	7,792441E+08	1,085442E+09	1,282287E+09	1,282288E+09	1,085442E+09	7,792355E+08
-1756	4,651522E+08	2,273798E+08	1,101886E+08	1,101916E+08	2,273879E+08	4,651633E+08	7,792466E+08	1,085459E+09	1,282300E+09	1,282276E+09	1,085410E+09	7,792132E+08
-1755	4,651525E+08	2,273902E+08	1,101949E+08	1,101897E+08	2,273784E+08	4,651421E+08	7,792094E+08	1,085416E+09	1,282282E+09	1,282300E+09	1,085459E+09	7,792593E+08
-1754	4,651802E+08	2,273971E+08	1,101974E+08	1,102005E+08	2,274044E+08	4,651807E+08	7,792461E+08	1,085433E+09	1,282272E+09	1,282273E+09	1,085427E+09	7,792199E+08
-1753	4,651460E+08	2,273813E+08	1,101939E+08	1,101976E+08	2,273934E+08	4,651644E+08	7,792309E+08	1,085418E+09	1,282250E+09	1,282247E+09	1,085410E+09	7,792266E+08
-1752	4,651735E+08	2,274142E+08	1,102154E+08	1,102102E+08	2,274011E+08	4,651644E+08	7,792210E+08	1,085401E+09	1,282233E+09	1,282237E+09	1,085417E+09	7,792484E+08
-1751	4,651860E+08	2,274145E+08	1,102217E+08	1,102273E+08	2,274284E+08	4,651932E+08	7,792427E+08	1,085409E+09	1,282217E+09	1,282192E+09	1,085350E+09	7,791861E+08
-1750	4,651606E+08	2,274208E+08	1,102368E+08	1,102360E+08	2,274198E+08	4,651617E+08	7,791943E+08	1,085360E+09	1,282183E+09	1,282185E+09	1,085371E+09	7,792217E+08
-1749	4,652011E+08	2,274564E+08	1,102611E+08	1,102584E+08	2,274485E+08	4,651914E+08	7,792086E+08	1,085348E+09	1,282157E+09	1,282168E+09	1,085372E+09	7,792223E+08
-1748	4,651859E+08	2,274438E+08	1,102637E+08	1,102706E+08	2,274637E+08	4,652077E+08	7,792282E+08	1,085360E+09	1,282137E+09	1,282117E+09	1,085308E+09	7,791802E+08
-1747	4,651817E+08	2,274594E+08	1,102779E+08	1,102749E+08	2,274543E+08	4,651811E+08	7,791851E+08	1,085312E+09	1,282109E+09	1,282122E+09	1,085345E+09	7,792286E+08
-1746	4,652217E+08	2,274795E+08	1,102867E+08	1,102870E+08	2,274777E+08	4,652128E+08	7,792146E+08	1,085330E+09	1,282109E+09	1,282106E+09	1,085319E+09	7,791949E+08
-1745	4,651876E+08	2,274597E+08	1,102801E+08	1,102827E+08	2,274666E+08	4,651967E+08	7,792037E+08	1,085330E+09	1,282113E+09	1,282101E+09	1,085301E+09	7,791857E+08
-1744	4,651983E+08	2,274770E+08	1,102879E+08	1,102803E+08	2,274575E+08	4,651800E+08	7,791803E+08	1,085311E+09	1,282118E+09	1,282134E+09	1,085349E+09	7,792260E+08
-1743	4,652123E+08	2,274674E+08	1,102781E+08	1,102817E+08	2,274764E+08	4,652150E+08	7,792197E+08	1,085341E+09	1,282129E+09	1,282124E+09	1,085319E+09	7,791785E+08
-1742	4,651705E+08	2,274449E+08	1,102648E+08	1,102643E+08	2,274469E+08	4,651826E+08	7,791995E+08	1,085340E+09	1,282142E+09	1,282147E+09	1,085351E+09	7,792159E+08
-1741	4,651974E+08	2,274556E+08	1,102616E+08	1,102565E+08	2,274437E+08	4,651889E+08	7,792144E+08	1,085360E+09	1,282170E+09	1,282181E+09	1,085384E+09	7,792356E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,651889E+08	2,274296E+08	1,102415E+08	1,102459E+08	2,274416E+08	4,652002E+08	7,792468E+08	1,085408E+09	1,282206E+09	1,282180E+09	1,085342E+09	7,791829E+08
-1739	4,651607E+08	2,274193E+08	1,102318E+08	1,102276E+08	2,274099E+08	4,651569E+08	7,792009E+08	1,085379E+09	1,282215E+09	1,282225E+09	1,085402E+09	7,792339E+08
-1738	4,651932E+08	2,274324E+08	1,102320E+08	1,102289E+08	2,274219E+08	4,651778E+08	7,792197E+08	1,085391E+09	1,282223E+09	1,282232E+09	1,085408E+09	7,792252E+08
-1737	4,651637E+08	2,274049E+08	1,102183E+08	1,102224E+08	2,274163E+08	4,651760E+08	7,792258E+08	1,085401E+09	1,282227E+09	1,282220E+09	1,085379E+09	7,792040E+08
-1736	4,651633E+08	2,274149E+08	1,102248E+08	1,102201E+08	2,274059E+08	4,651569E+08	7,791992E+08	1,085371E+09	1,282209E+09	1,282229E+09	1,085417E+09	7,792516E+08
-1735	4,651978E+08	2,274256E+08	1,102281E+08	1,102314E+08	2,274328E+08	4,651957E+08	7,792357E+08	1,085389E+09	1,282194E+09	1,282188E+09	1,085368E+09	7,792008E+08
-1734	4,651615E+08	2,274146E+08	1,102299E+08	1,102318E+08	2,274211E+08	4,651749E+08	7,792181E+08	1,085379E+09	1,282183E+09	1,282168E+09	1,085352E+09	7,792074E+08
-1733	4,651866E+08	2,274453E+08	1,102524E+08	1,102466E+08	2,274307E+08	4,651729E+08	7,792002E+08	1,085353E+09	1,282168E+09	1,282172E+09	1,085369E+09	7,792300E+08
-1732	4,652003E+08	2,274480E+08	1,102604E+08	1,102658E+08	2,274610E+08	4,652071E+08	7,792300E+08	1,085367E+09	1,282153E+09	1,282130E+09	1,085306E+09	7,791645E+08
-1731	4,651676E+08	2,274497E+08	1,102732E+08	1,102740E+08	2,274554E+08	4,651823E+08	7,791857E+08	1,085315E+09	1,282113E+09	1,282120E+09	1,085331E+09	7,792084E+08
-1730	4,652114E+08	2,274842E+08	1,102953E+08	1,102932E+08	2,274788E+08	4,652051E+08	7,791946E+08	1,085300E+09	1,282082E+09	1,282094E+09	1,085327E+09	7,792126E+08
-1729	4,652036E+08	2,274741E+08	1,102969E+08	1,103039E+08	2,274929E+08	4,652203E+08	7,792123E+08	1,085313E+09	1,282073E+09	1,282055E+09	1,085267E+09	7,791673E+08
-1728	4,651962E+08	2,274890E+08	1,103103E+08	1,103058E+08	2,274792E+08	4,651896E+08	7,791700E+08	1,085272E+09	1,282050E+09	1,282062E+09	1,085303E+09	7,792154E+08
-1727	4,652367E+08	2,275090E+08	1,103187E+08	1,103182E+08	2,275038E+08	4,652202E+08	7,791932E+08	1,085279E+09	1,282039E+09	1,282039E+09	1,085273E+09	7,791751E+08
-1726	4,651976E+08	2,274893E+08	1,103142E+08	1,103162E+08	2,274953E+08	4,652075E+08	7,791858E+08	1,085283E+09	1,282047E+09	1,282036E+09	1,085262E+09	7,791742E+08
-1725	4,652068E+08	2,275003E+08	1,103180E+08	1,103116E+08	2,274861E+08	4,651943E+08	7,791667E+08	1,085265E+09	1,282053E+09	1,282075E+09	1,085314E+09	7,792168E+08
-1724	4,652247E+08	2,274913E+08	1,103060E+08	1,103100E+08	2,275014E+08	4,652311E+08	7,792215E+08	1,085317E+09	1,282074E+09	1,282064E+09	1,085279E+09	7,791632E+08
-1723	4,651783E+08	2,274658E+08	1,102896E+08	1,102899E+08	2,274701E+08	4,651965E+08	7,791991E+08	1,085318E+09	1,282098E+09	1,282093E+09	1,085313E+09	7,792012E+08
-1722	4,652054E+08	2,274770E+08	1,102860E+08	1,102797E+08	2,274606E+08	4,651906E+08	7,791978E+08	1,085327E+09	1,282123E+09	1,282129E+09	1,085346E+09	7,792217E+08
-1721	4,652003E+08	2,274538E+08	1,102681E+08	1,102719E+08	2,274624E+08	4,652034E+08	7,792237E+08	1,085364E+09	1,282159E+09	1,282143E+09	1,085316E+09	7,791703E+08
-1720	4,651687E+08	2,274424E+08	1,102592E+08	1,102550E+08	2,274336E+08	4,651656E+08	7,791833E+08	1,085334E+09	1,282157E+09	1,282175E+09	1,085374E+09	7,792264E+08
-1719	4,652048E+08	2,274563E+08	1,102598E+08	1,102579E+08	2,274493E+08	4,651916E+08	7,792050E+08	1,085339E+09	1,282146E+09	1,282162E+09	1,085367E+09	7,792135E+08
-1718	4,651764E+08	2,274324E+08	1,102497E+08	1,102540E+08	2,274449E+08	4,651919E+08	7,792192E+08	1,085362E+09	1,282156E+09	1,282141E+09	1,085330E+09	7,791936E+08
-1717	4,651772E+08	2,274412E+08	1,102558E+08	1,102515E+08	2,274332E+08	4,651696E+08	7,791888E+08	1,085334E+09	1,282146E+09	1,282158E+09	1,085365E+09	7,792337E+08
-1716	4,652134E+08	2,274571E+08	1,102622E+08	1,102643E+08	2,274591E+08	4,652076E+08	7,792308E+08	1,085360E+09	1,282139E+09	1,282123E+09	1,085314E+09	7,791741E+08
-1715	4,651684E+08	2,274435E+08	1,102651E+08	1,102676E+08	2,274518E+08	4,651873E+08	7,792052E+08	1,085341E+09	1,282127E+09	1,282110E+09	1,085309E+09	7,791854E+08
-1714	4,651927E+08	2,274733E+08	1,102878E+08	1,102826E+08	2,274613E+08	4,651824E+08	7,791767E+08	1,085298E+09	1,282096E+09	1,282108E+09	1,085331E+09	7,792177E+08
-1713	4,652131E+08	2,274782E+08	1,102964E+08	1,103030E+08	2,274949E+08	4,652227E+08	7,792094E+08	1,085307E+09	1,282077E+09	1,282070E+09	1,085273E+09	7,791570E+08
-1712	4,651822E+08	2,274795E+08	1,103079E+08	1,103088E+08	2,274861E+08	4,651977E+08	7,791738E+08	1,085266E+09	1,282036E+09	1,282046E+09	1,085289E+09	7,792025E+08
-1711	4,652321E+08	2,275164E+08	1,103292E+08	1,103268E+08	2,275077E+08	4,652159E+08	7,791766E+08	1,085248E+09	1,282000E+09	1,282010E+09	1,085271E+09	7,791966E+08
-1710	4,652220E+08	2,275098E+08	1,103342E+08	1,103392E+08	2,275211E+08	4,652288E+08	7,791936E+08	1,085266E+09	1,282001E+09	1,281975E+09	1,085212E+09	7,791510E+08
-1709	4,652094E+08	2,275195E+08	1,103459E+08	1,103409E+08	2,275085E+08	4,651986E+08	7,791492E+08	1,085224E+09	1,281984E+09	1,281997E+09	1,085257E+09	7,791969E+08
-1708	4,652483E+08	2,275388E+08	1,103529E+08	1,103524E+08	2,275338E+08	4,652367E+08	7,791878E+08	1,085243E+09	1,281978E+09	1,281978E+09	1,085231E+09	7,791542E+08
-1707	4,652007E+08	2,275116E+08	1,103437E+08	1,103477E+08	2,275258E+08	4,652284E+08	7,791865E+08	1,085253E+09	1,281992E+09	1,281979E+09	1,085226E+09	7,791591E+08
-1706	4,652114E+08	2,275195E+08	1,103431E+08	1,103378E+08	2,275095E+08	4,652068E+08	7,791619E+08	1,085237E+09	1,282001E+09	1,282019E+09	1,085278E+09	7,792067E+08
-1705	4,652361E+08	2,275135E+08	1,103303E+08	1,103345E+08	2,275224E+08	4,652396E+08	7,792094E+08	1,085285E+09	1,282034E+09	1,282025E+09	1,085249E+09	7,791524E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1704	4,651881E+08	2,274879E+08	1,103138E+08	1,103125E+08	2,274871E+08	4,651997E+08	7,791846E+08	1,085288E+09	1,282056E+09	1,282053E+09	1,085285E+09	7,791924E+08
-1703	4,652178E+08	2,275008E+08	1,103117E+08	1,103050E+08	2,274805E+08	4,651908E+08	7,791714E+08	1,085278E+09	1,282062E+09	1,282075E+09	1,085312E+09	7,792099E+08
-1702	4,652115E+08	2,274808E+08	1,102981E+08	1,103013E+08	2,274869E+08	4,652096E+08	7,792006E+08	1,085312E+09	1,282090E+09	1,282078E+09	1,085282E+09	7,791649E+08
-1701	4,651799E+08	2,274661E+08	1,102886E+08	1,102853E+08	2,274611E+08	4,651784E+08	7,791680E+08	1,085284E+09	1,282083E+09	1,282106E+09	1,085334E+09	7,792174E+08
-1700	4,652200E+08	2,274838E+08	1,102903E+08	1,102882E+08	2,274757E+08	4,652081E+08	7,792054E+08	1,085306E+09	1,282076E+09	1,282084E+09	1,085314E+09	7,791934E+08
-1699	4,651855E+08	2,274587E+08	1,102804E+08	1,102854E+08	2,274733E+08	4,652084E+08	7,792170E+08	1,085334E+09	1,282098E+09	1,282071E+09	1,085277E+09	7,791700E+08
-1698	4,651851E+08	2,274684E+08	1,102876E+08	1,102829E+08	2,274586E+08	4,651771E+08	7,791725E+08	1,085295E+09	1,282089E+09	1,282095E+09	1,085316E+09	7,792119E+08
-1697	4,652232E+08	2,274870E+08	1,102968E+08	1,102993E+08	2,274893E+08	4,652175E+08	7,792079E+08	1,085311E+09	1,282084E+09	1,282076E+09	1,085280E+09	7,791579E+08
-1696	4,651774E+08	2,274723E+08	1,103000E+08	1,103032E+08	2,274836E+08	4,652018E+08	7,791894E+08	1,085294E+09	1,282061E+09	1,282053E+09	1,085277E+09	7,791784E+08
-1695	4,652072E+08	2,275027E+08	1,103223E+08	1,103187E+08	2,274939E+08	4,651968E+08	7,791596E+08	1,085243E+09	1,282012E+09	1,282031E+09	1,085289E+09	7,792092E+08
-1694	4,652306E+08	2,275117E+08	1,103336E+08	1,103400E+08	2,275269E+08	4,652377E+08	7,791974E+08	1,085261E+09	1,281997E+09	1,281983E+09	1,085225E+09	7,791507E+08
-1693	4,652009E+08	2,275118E+08	1,103440E+08	1,103445E+08	2,275163E+08	4,652102E+08	7,791588E+08	1,085221E+09	1,281963E+09	1,281968E+09	1,085236E+09	7,791868E+08
-1692	4,652500E+08	2,275512E+08	1,103661E+08	1,103619E+08	2,275356E+08	4,652277E+08	7,791673E+08	1,085209E+09	1,281933E+09	1,281936E+09	1,085215E+09	7,791705E+08
-1691	4,652294E+08	2,275397E+08	1,103700E+08	1,103756E+08	2,275533E+08	4,652428E+08	7,791801E+08	1,085225E+09	1,281939E+09	1,281912E+09	1,085166E+09	7,791281E+08
-1690	4,652145E+08	2,275451E+08	1,103778E+08	1,103739E+08	2,275377E+08	4,652100E+08	7,791303E+08	1,085174E+09	1,281917E+09	1,281934E+09	1,085216E+09	7,791813E+08
-1689	4,652558E+08	2,275632E+08	1,103827E+08	1,103835E+08	2,275629E+08	4,652519E+08	7,791746E+08	1,085200E+09	1,281920E+09	1,281927E+09	1,085199E+09	7,791459E+08
-1688	4,652109E+08	2,275341E+08	1,103699E+08	1,103739E+08	2,275488E+08	4,652406E+08	7,791818E+08	1,085226E+09	1,281940E+09	1,281925E+09	1,085193E+09	7,791535E+08
-1687	4,652257E+08	2,275429E+08	1,103678E+08	1,103620E+08	2,275284E+08	4,652103E+08	7,791461E+08	1,085201E+09	1,281945E+09	1,281959E+09	1,085238E+09	7,791952E+08
-1686	4,652498E+08	2,275414E+08	1,103590E+08	1,103607E+08	2,275416E+08	4,652413E+08	7,791896E+08	1,085247E+09	1,281980E+09	1,281968E+09	1,085214E+09	7,791446E+08
-1685	4,651996E+08	2,275129E+08	1,103422E+08	1,103404E+08	2,275097E+08	4,652037E+08	7,791610E+08	1,085241E+09	1,281999E+09	1,282002E+09	1,085251E+09	7,791809E+08
-1684	4,652292E+08	2,275271E+08	1,103410E+08	1,103341E+08	2,275060E+08	4,652041E+08	7,791624E+08	1,085237E+09	1,281998E+09	1,282014E+09	1,085273E+09	7,791938E+08
-1683	4,652165E+08	2,275028E+08	1,103263E+08	1,103317E+08	2,275166E+08	4,652287E+08	7,791981E+08	1,085279E+09	1,282028E+09	1,282013E+09	1,085239E+09	7,791492E+08
-1682	4,651865E+08	2,274873E+08	1,103148E+08	1,103132E+08	2,274867E+08	4,651922E+08	7,791621E+08	1,085253E+09	1,282025E+09	1,282038E+09	1,085286E+09	7,792004E+08
-1681	4,652295E+08	2,275088E+08	1,103187E+08	1,103171E+08	2,275016E+08	4,652205E+08	7,791948E+08	1,085276E+09	1,282032E+09	1,282034E+09	1,085273E+09	7,791759E+08
-1680	4,651943E+08	2,274847E+08	1,103102E+08	1,103145E+08	2,274975E+08	4,652175E+08	7,792060E+08	1,085303E+09	1,282051E+09	1,282021E+09	1,085240E+09	7,791555E+08
-1679	4,651955E+08	2,274956E+08	1,103195E+08	1,103157E+08	2,274861E+08	4,651831E+08	7,791479E+08	1,085243E+09	1,282021E+09	1,282034E+09	1,085278E+09	7,791995E+08
-1678	4,652354E+08	2,275186E+08	1,103333E+08	1,103357E+08	2,275211E+08	4,652295E+08	7,791859E+08	1,085254E+09	1,282004E+09	1,282003E+09	1,085244E+09	7,791552E+08
-1677	4,651929E+08	2,275025E+08	1,103361E+08	1,103402E+08	2,275166E+08	4,652169E+08	7,791720E+08	1,085237E+09	1,281978E+09	1,281975E+09	1,085233E+09	7,791722E+08
-1676	4,652287E+08	2,275378E+08	1,103595E+08	1,103549E+08	2,275247E+08	4,652132E+08	7,791535E+08	1,085199E+09	1,281930E+09	1,281943E+09	1,085231E+09	7,791915E+08
-1675	4,652455E+08	2,275452E+08	1,103708E+08	1,103768E+08	2,275585E+08	4,652517E+08	7,791861E+08	1,085220E+09	1,281926E+09	1,281902E+09	1,085163E+09	7,791267E+08
-1674	4,652129E+08	2,275443E+08	1,103803E+08	1,103800E+08	2,275451E+08	4,652182E+08	7,791382E+08	1,085173E+09	1,281895E+09	1,281895E+09	1,085180E+09	7,791628E+08
-1673	4,652599E+08	2,275827E+08	1,104025E+08	1,103985E+08	2,275680E+08	4,652395E+08	7,791444E+08	1,085159E+09	1,281873E+09	1,281881E+09	1,085174E+09	7,791513E+08
-1672	4,652362E+08	2,275666E+08	1,104029E+08	1,104090E+08	2,275841E+08	4,652595E+08	7,791699E+08	1,085184E+09	1,281878E+09	1,281856E+09	1,085133E+09	7,791180E+08
-1671	4,652246E+08	2,275693E+08	1,104072E+08	1,104049E+08	2,275660E+08	4,652235E+08	7,791188E+08	1,085132E+09	1,281851E+09	1,281870E+09	1,085179E+09	7,791725E+08
-1670	4,652686E+08	2,275900E+08	1,104125E+08	1,104127E+08	2,275878E+08	4,652630E+08	7,791652E+08	1,085167E+09	1,281861E+09	1,281861E+09	1,085162E+09	7,791424E+08
-1669	4,652259E+08	2,275600E+08	1,103982E+08	1,104010E+08	2,275703E+08	4,652466E+08	7,791668E+08	1,085191E+09	1,281891E+09	1,281873E+09	1,085156E+09	7,791434E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1668	4,652407E+08	2,275710E+08	1,103971E+08	1,103890E+08	2,275484E+08	4,652156E+08	7,791335E+08	1,085165E+09	1,281892E+09	1,281905E+09	1,085198E+09	7,791767E+08
-1667	4,652553E+08	2,275653E+08	1,103882E+08	1,103904E+08	2,275674E+08	4,652498E+08	7,791720E+08	1,085205E+09	1,281924E+09	1,281915E+09	1,085177E+09	7,791280E+08
-1666	4,652046E+08	2,275343E+08	1,103689E+08	1,103685E+08	2,275356E+08	4,652148E+08	7,791431E+08	1,085191E+09	1,281932E+09	1,281941E+09	1,085214E+09	7,791686E+08
-1665	4,652369E+08	2,275488E+08	1,103676E+08	1,103625E+08	2,275337E+08	4,652201E+08	7,791510E+08	1,085196E+09	1,281939E+09	1,281957E+09	1,085236E+09	7,791834E+08
-1664	4,652263E+08	2,275246E+08	1,103515E+08	1,103573E+08	2,275406E+08	4,652436E+08	7,791964E+08	1,085252E+09	1,281975E+09	1,281952E+09	1,085198E+09	7,791387E+08
-1663	4,651992E+08	2,275114E+08	1,103413E+08	1,103399E+08	2,275088E+08	4,651986E+08	7,791481E+08	1,085218E+09	1,281969E+09	1,281975E+09	1,085239E+09	7,791834E+08
-1662	4,652402E+08	2,275378E+08	1,103508E+08	1,103477E+08	2,275260E+08	4,652270E+08	7,791775E+08	1,085237E+09	1,281975E+09	1,281973E+09	1,085233E+09	7,791652E+08
-1661	4,652060E+08	2,275133E+08	1,103439E+08	1,103480E+08	2,275260E+08	4,652269E+08	7,791854E+08	1,085255E+09	1,281990E+09	1,281966E+09	1,085205E+09	7,791445E+08
-1660	4,652091E+08	2,275265E+08	1,103547E+08	1,103505E+08	2,275167E+08	4,651999E+08	7,791387E+08	1,085196E+09	1,281947E+09	1,281964E+09	1,085235E+09	7,791859E+08
-1659	4,652458E+08	2,275476E+08	1,103689E+08	1,103727E+08	2,275552E+08	4,652486E+08	7,791782E+08	1,085211E+09	1,281931E+09	1,281927E+09	1,085195E+09	7,791416E+08
-1658	4,652075E+08	2,275326E+08	1,103703E+08	1,103750E+08	2,275471E+08	4,652298E+08	7,791567E+08	1,085190E+09	1,281904E+09	1,281894E+09	1,085176E+09	7,791546E+08
-1657	4,652441E+08	2,275708E+08	1,103956E+08	1,103906E+08	2,275553E+08	4,652244E+08	7,791332E+08	1,085153E+09	1,281870E+09	1,281877E+09	1,085179E+09	7,791719E+08
-1656	4,652577E+08	2,275770E+08	1,104066E+08	1,104117E+08	2,275876E+08	4,652616E+08	7,791690E+08	1,085177E+09	1,281864E+09	1,281839E+09	1,085118E+09	7,791092E+08
-1655	4,652237E+08	2,275739E+08	1,104155E+08	1,104160E+08	2,275756E+08	4,652261E+08	7,791123E+08	1,085116E+09	1,281819E+09	1,281826E+09	1,085136E+09	7,791464E+08
-1654	4,652693E+08	2,276129E+08	1,104386E+08	1,104346E+08	2,276003E+08	4,652547E+08	7,791281E+08	1,085106E+09	1,281795E+09	1,281808E+09	1,085136E+09	7,791456E+08
-1653	4,652495E+08	2,275943E+08	1,104360E+08	1,104424E+08	2,276138E+08	4,652749E+08	7,791590E+08	1,085139E+09	1,281808E+09	1,281789E+09	1,085092E+09	7,791107E+08
-1652	4,652419E+08	2,275989E+08	1,104387E+08	1,104349E+08	2,275913E+08	4,652383E+08	7,791162E+08	1,085099E+09	1,281787E+09	1,281800E+09	1,085130E+09	7,791564E+08
-1651	4,652796E+08	2,276170E+08	1,104432E+08	1,104427E+08	2,276129E+08	4,652729E+08	7,791545E+08	1,085135E+09	1,281810E+09	1,281802E+09	1,085115E+09	7,791240E+08
-1650	4,652360E+08	2,275854E+08	1,104267E+08	1,104291E+08	2,275927E+08	4,652505E+08	7,791450E+08	1,085148E+09	1,281838E+09	1,281820E+09	1,085115E+09	7,791263E+08
-1649	4,652485E+08	2,275951E+08	1,104255E+08	1,104182E+08	2,275749E+08	4,652246E+08	7,791114E+08	1,085121E+09	1,281843E+09	1,281862E+09	1,085167E+09	7,791643E+08
-1648	4,652611E+08	2,275856E+08	1,104136E+08	1,104167E+08	2,275923E+08	4,652644E+08	7,791644E+08	1,085169E+09	1,281869E+09	1,281865E+09	1,085148E+09	7,791204E+08
-1647	4,652132E+08	2,275534E+08	1,103929E+08	1,103943E+08	2,275595E+08	4,652272E+08	7,791351E+08	1,085155E+09	1,281871E+09	1,281878E+09	1,085174E+09	7,791582E+08
-1646	4,652476E+08	2,275722E+08	1,103940E+08	1,103884E+08	2,275569E+08	4,652328E+08	7,791460E+08	1,085167E+09	1,281883E+09	1,281893E+09	1,085194E+09	7,791744E+08
-1645	4,652393E+08	2,275497E+08	1,103793E+08	1,103839E+08	2,275622E+08	4,652518E+08	7,791849E+08	1,085221E+09	1,281929E+09	1,281901E+09	1,085158E+09	7,791249E+08
-1644	4,652129E+08	2,275405E+08	1,103726E+08	1,103691E+08	2,275320E+08	4,652073E+08	7,791365E+08	1,085181E+09	1,281915E+09	1,281919E+09	1,085197E+09	7,791643E+08
-1643	4,652468E+08	2,275645E+08	1,103843E+08	1,103817E+08	2,275556E+08	4,652373E+08	7,791580E+08	1,085190E+09	1,281912E+09	1,281914E+09	1,085193E+09	7,791499E+08
-1642	4,652159E+08	2,275404E+08	1,103768E+08	1,103820E+08	2,275562E+08	4,652388E+08	7,791639E+08	1,085197E+09	1,281913E+09	1,281897E+09	1,085163E+09	7,791340E+08
-1641	4,652231E+08	2,275563E+08	1,103895E+08	1,103861E+08	2,275490E+08	4,652146E+08	7,791208E+08	1,085145E+09	1,281875E+09	1,281892E+09	1,085190E+09	7,791753E+08
-1640	4,652616E+08	2,275779E+08	1,104028E+08	1,104059E+08	2,275838E+08	4,652616E+08	7,791667E+08	1,085169E+09	1,281860E+09	1,281852E+09	1,085144E+09	7,791280E+08
-1639	4,652245E+08	2,275651E+08	1,104061E+08	1,104102E+08	2,275757E+08	4,652373E+08	7,791343E+08	1,085138E+09	1,281828E+09	1,281816E+09	1,085119E+09	7,791342E+08
-1638	4,652584E+08	2,276060E+08	1,104346E+08	1,104282E+08	2,275869E+08	4,652351E+08	7,791116E+08	1,085099E+09	1,281792E+09	1,281801E+09	1,085129E+09	7,791555E+08
-1637	4,652705E+08	2,276096E+08	1,104451E+08	1,104501E+08	2,276216E+08	4,652765E+08	7,791500E+08	1,085123E+09	1,281791E+09	1,281772E+09	1,085075E+09	7,790948E+08
-1636	4,652368E+08	2,276058E+08	1,104525E+08	1,104528E+08	2,276093E+08	4,652480E+08	7,791084E+08	1,085071E+09	1,281744E+09	1,281751E+09	1,085089E+09	7,791296E+08
-1635	4,652768E+08	2,276392E+08	1,104729E+08	1,104704E+08	2,276337E+08	4,652752E+08	7,791262E+08	1,085074E+09	1,281732E+09	1,281739E+09	1,085087E+09	7,791298E+08
-1634	4,652620E+08	2,276207E+08	1,104663E+08	1,104731E+08	2,276405E+08	4,652871E+08	7,791489E+08	1,085104E+09	1,281752E+09	1,281728E+09	1,085048E+09	7,790955E+08
-1633	4,652543E+08	2,276261E+08	1,104688E+08	1,104645E+08	2,276158E+08	4,652456E+08	7,790990E+08	1,085065E+09	1,281746E+09	1,281755E+09	1,085093E+09	7,791413E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,652888E+08	2,276413E+08	1,104711E+08	1,104697E+08	2,276344E+08	4,652780E+08	7,791373E+08	1,085098E+09	1,281763E+09	1,281759E+09	1,085086E+09	7,791133E+08
-1631	4,652454E+08	2,276077E+08	1,104537E+08	1,104568E+08	2,276159E+08	4,652547E+08	7,791189E+08	1,085095E+09	1,281772E+09	1,281765E+09	1,085083E+09	7,791162E+08
-1630	4,652576E+08	2,276182E+08	1,104529E+08	1,104459E+08	2,276004E+08	4,652376E+08	7,790977E+08	1,085073E+09	1,281770E+09	1,281797E+09	1,085135E+09	7,791608E+08
-1629	4,652742E+08	2,276085E+08	1,104400E+08	1,104429E+08	2,276157E+08	4,652774E+08	7,791570E+08	1,085132E+09	1,281807E+09	1,281802E+09	1,085110E+09	7,791127E+08
-1628	4,652290E+08	2,275794E+08	1,104198E+08	1,104193E+08	2,275807E+08	4,652406E+08	7,791341E+08	1,085128E+09	1,281814E+09	1,281810E+09	1,085124E+09	7,791383E+08
-1627	4,652552E+08	2,275968E+08	1,104233E+08	1,104171E+08	2,275807E+08	4,652425E+08	7,791373E+08	1,085140E+09	1,281838E+09	1,281838E+09	1,085146E+09	7,791516E+08
-1626	4,652481E+08	2,275756E+08	1,104090E+08	1,104132E+08	2,275862E+08	4,652575E+08	7,791641E+08	1,085178E+09	1,281875E+09	1,281850E+09	1,085118E+09	7,791061E+08
-1625	4,652206E+08	2,275665E+08	1,104043E+08	1,104018E+08	2,275613E+08	4,652181E+08	7,791151E+08	1,085135E+09	1,281861E+09	1,281871E+09	1,085165E+09	7,791522E+08
-1624	4,652555E+08	2,275887E+08	1,104147E+08	1,104130E+08	2,275842E+08	4,652525E+08	7,791476E+08	1,085148E+09	1,281848E+09	1,281855E+09	1,085160E+09	7,791440E+08
-1623	4,652300E+08	2,275660E+08	1,104079E+08	1,104146E+08	2,275845E+08	4,652498E+08	7,791472E+08	1,085148E+09	1,281836E+09	1,281822E+09	1,085117E+09	7,791236E+08
-1622	4,652400E+08	2,275877E+08	1,104241E+08	1,104200E+08	2,275786E+08	4,652283E+08	7,791077E+08	1,085098E+09	1,281796E+09	1,281812E+09	1,085141E+09	7,791637E+08
-1621	4,652794E+08	2,276116E+08	1,104396E+08	1,104411E+08	2,276123E+08	4,652715E+08	7,791486E+08	1,085121E+09	1,281790E+09	1,281781E+09	1,085093E+09	7,791098E+08
-1620	4,652403E+08	2,276006E+08	1,104452E+08	1,104476E+08	2,276074E+08	4,652519E+08	7,791199E+08	1,085087E+09	1,281751E+09	1,281739E+09	1,085064E+09	7,791091E+08
-1619	4,652651E+08	2,276366E+08	1,104739E+08	1,104687E+08	2,276241E+08	4,652536E+08	7,790968E+08	1,085049E+09	1,281718E+09	1,281728E+09	1,085076E+09	7,791335E+08
-1618	4,652803E+08	2,276386E+08	1,104807E+08	1,104873E+08	2,276558E+08	4,652946E+08	7,791363E+08	1,085071E+09	1,281713E+09	1,281698E+09	1,085029E+09	7,790809E+08
-1617	4,652499E+08	2,276349E+08	1,104869E+08	1,104881E+08	2,276413E+08	4,652640E+08	7,790985E+08	1,085035E+09	1,281685E+09	1,281687E+09	1,085045E+09	7,791181E+08
-1616	4,652906E+08	2,276662E+08	1,105035E+08	1,105003E+08	2,276583E+08	4,652858E+08	7,791181E+08	1,085044E+09	1,281680E+09	1,281681E+09	1,085046E+09	7,791184E+08
-1615	4,652767E+08	2,276483E+08	1,104970E+08	1,105027E+08	2,276623E+08	4,652887E+08	7,791253E+08	1,085059E+09	1,281694E+09	1,281671E+09	1,085008E+09	7,790818E+08
-1614	4,652676E+08	2,276552E+08	1,105005E+08	1,104947E+08	2,276405E+08	4,652519E+08	7,790767E+08	1,085015E+09	1,281679E+09	1,281698E+09	1,085062E+09	7,791320E+08
-1613	4,653005E+08	2,276674E+08	1,105011E+08	1,104991E+08	2,276594E+08	4,652872E+08	7,791177E+08	1,085048E+09	1,281698E+09	1,281706E+09	1,085056E+09	7,791054E+08
-1612	4,652581E+08	2,276335E+08	1,104825E+08	1,104851E+08	2,276422E+08	4,652727E+08	7,791148E+08	1,085054E+09	1,281703E+09	1,281697E+09	1,085041E+09	7,791020E+08
-1611	4,652651E+08	2,276398E+08	1,104804E+08	1,104745E+08	2,276272E+08	4,652542E+08	7,790961E+08	1,085046E+09	1,281715E+09	1,281731E+09	1,085085E+09	7,791415E+08
-1610	4,652846E+08	2,276313E+08	1,104655E+08	1,104686E+08	2,276379E+08	4,652876E+08	7,791486E+08	1,085103E+09	1,281758E+09	1,281746E+09	1,085066E+09	7,790948E+08
-1609	4,652385E+08	2,276041E+08	1,104478E+08	1,104470E+08	2,276033E+08	4,652472E+08	7,791206E+08	1,085101E+09	1,281779E+09	1,281769E+09	1,085089E+09	7,791205E+08
-1608	4,652605E+08	2,276181E+08	1,104503E+08	1,104441E+08	2,276028E+08	4,652489E+08	7,791222E+08	1,085105E+09	1,281793E+09	1,281797E+09	1,085119E+09	7,791396E+08
-1607	4,652555E+08	2,275979E+08	1,104376E+08	1,104430E+08	2,276112E+08	4,652637E+08	7,791393E+08	1,085123E+09	1,281806E+09	1,281795E+09	1,085089E+09	7,790986E+08
-1606	4,652325E+08	2,275926E+08	1,104352E+08	1,104333E+08	2,275902E+08	4,652328E+08	7,790998E+08	1,085080E+09	1,281777E+09	1,281800E+09	1,085130E+09	7,791491E+08
-1605	4,652735E+08	2,276178E+08	1,104469E+08	1,104449E+08	2,276113E+08	4,652646E+08	7,791339E+08	1,085100E+09	1,281771E+09	1,281780E+09	1,085115E+09	7,791357E+08
-1604	4,652513E+08	2,276002E+08	1,104430E+08	1,104478E+08	2,276129E+08	4,652648E+08	7,791375E+08	1,085103E+09	1,281758E+09	1,281735E+09	1,085056E+09	7,791013E+08
-1603	4,652527E+08	2,276208E+08	1,104625E+08	1,104579E+08	2,276108E+08	4,652418E+08	7,790941E+08	1,085056E+09	1,281728E+09	1,281734E+09	1,085076E+09	7,791351E+08
-1602	4,652910E+08	2,276443E+08	1,104775E+08	1,104792E+08	2,276452E+08	4,652842E+08	7,791288E+08	1,085069E+09	1,281718E+09	1,281710E+09	1,085042E+09	7,790867E+08
-1601	4,652494E+08	2,276320E+08	1,104834E+08	1,104871E+08	2,276435E+08	4,652694E+08	7,791061E+08	1,085044E+09	1,281690E+09	1,281676E+09	1,085021E+09	7,790912E+08
-1600	4,652723E+08	2,276624E+08	1,105076E+08	1,105039E+08	2,276566E+08	4,652736E+08	7,790936E+08	1,085014E+09	1,281656E+09	1,281667E+09	1,085039E+09	7,791225E+08
-1599	4,652925E+08	2,276652E+08	1,105131E+08	1,105206E+08	2,276842E+08	4,653061E+08	7,791228E+08	1,085029E+09	1,281647E+09	1,281632E+09	1,084988E+09	7,790710E+08
-1598	4,652665E+08	2,276654E+08	1,105198E+08	1,105200E+08	2,276680E+08	4,652747E+08	7,790846E+08	1,084993E+09	1,281620E+09	1,281624E+09	1,085008E+09	7,791100E+08
-1597	4,653084E+08	2,276977E+08	1,105368E+08	1,105314E+08	2,276812E+08	4,652890E+08	7,790960E+08	1,084999E+09	1,281623E+09	1,281628E+09	1,085011E+09	7,791083E+08

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	4,652933E+08	2,276800E+08	1,105305E+08	1,105342E+08	2,276880E+08	4,652964E+08	7,791032E+08	1,085005E+09	1,281621E+09	1,281605E+09	1,084967E+09	7,790653E+08
-1595	4,652753E+08	2,276813E+08	1,105331E+08	1,105282E+08	2,276709E+08	4,652659E+08	7,790603E+08	1,084965E+09	1,281607E+09	1,281630E+09	1,085016E+09	7,791153E+08
-1594	4,653102E+08	2,276913E+08	1,105296E+08	1,105286E+08	2,276866E+08	4,653015E+08	7,791056E+08	1,085000E+09	1,281625E+09	1,281636E+09	1,085013E+09	7,790919E+08
-1593	4,652681E+08	2,276570E+08	1,105098E+08	1,105132E+08	2,276677E+08	4,652862E+08	7,791101E+08	1,085029E+09	1,281654E+09	1,281636E+09	1,084997E+09	7,790860E+08
-1592	4,652727E+08	2,276601E+08	1,105045E+08	1,104987E+08	2,276480E+08	4,652652E+08	7,790939E+08	1,085027E+09	1,281677E+09	1,281683E+09	1,085046E+09	7,791246E+08
-1591	4,652919E+08	2,276530E+08	1,104913E+08	1,104940E+08	2,276570E+08	4,652896E+08	7,791295E+08	1,085067E+09	1,281711E+09	1,281699E+09	1,085031E+09	7,790803E+08
-1590	4,652476E+08	2,276284E+08	1,104758E+08	1,104749E+08	2,276273E+08	4,652552E+08	7,791030E+08	1,085057E+09	1,281719E+09	1,281721E+09	1,085064E+09	7,791128E+08
-1589	4,652711E+08	2,276427E+08	1,104793E+08	1,104730E+08	2,276271E+08	4,652580E+08	7,791050E+08	1,085059E+09	1,281730E+09	1,281745E+09	1,085093E+09	7,791352E+08
-1588	4,652702E+08	2,276251E+08	1,104679E+08	1,104729E+08	2,276385E+08	4,652803E+08	7,791313E+08	1,085078E+09	1,281730E+09	1,281720E+09	1,085046E+09	7,790872E+08
-1587	4,652448E+08	2,276197E+08	1,104677E+08	1,104668E+08	2,276208E+08	4,652498E+08	7,790938E+08	1,085043E+09	1,281708E+09	1,281720E+09	1,085072E+09	7,791301E+08
-1586	4,652892E+08	2,276483E+08	1,104799E+08	1,104776E+08	2,276389E+08	4,652757E+08	7,791191E+08	1,085056E+09	1,281703E+09	1,281706E+09	1,085060E+09	7,791148E+08
-1585	4,652646E+08	2,276331E+08	1,104798E+08	1,104843E+08	2,276433E+08	4,652745E+08	7,791210E+08	1,085065E+09	1,281702E+09	1,281671E+09	1,085006E+09	7,790782E+08
-1584	4,652603E+08	2,276494E+08	1,104979E+08	1,104941E+08	2,276422E+08	4,652542E+08	7,790787E+08	1,085014E+09	1,281667E+09	1,281674E+09	1,085034E+09	7,791154E+08
-1583	4,652979E+08	2,276723E+08	1,105133E+08	1,105163E+08	2,276774E+08	4,652962E+08	7,791069E+08	1,085011E+09	1,281639E+09	1,281641E+09	1,085002E+09	7,790757E+08
-1582	4,652632E+08	2,276626E+08	1,105195E+08	1,105239E+08	2,276769E+08	4,652873E+08	7,790945E+08	1,084992E+09	1,281605E+09	1,281602E+09	1,084984E+09	7,790856E+08
-1581	4,652907E+08	2,276942E+08	1,105427E+08	1,105380E+08	2,276842E+08	4,652843E+08	7,790798E+08	1,084970E+09	1,281586E+09	1,281597E+09	1,084997E+09	7,791149E+08
-1580	4,653138E+08	2,277010E+08	1,105495E+08	1,105545E+08	2,277118E+08	4,653173E+08	7,791072E+08	1,084982E+09	1,281574E+09	1,281555E+09	1,084936E+09	7,790543E+08
-1579	4,652812E+08	2,276991E+08	1,105575E+08	1,105567E+08	2,276982E+08	4,652840E+08	7,790643E+08	1,084945E+09	1,281552E+09	1,281553E+09	1,084953E+09	7,790882E+08
-1578	4,653210E+08	2,277283E+08	1,105713E+08	1,105660E+08	2,277107E+08	4,652976E+08	7,790709E+08	1,084942E+09	1,281549E+09	1,281562E+09	1,084969E+09	7,790916E+08
-1577	4,653024E+08	2,277076E+08	1,105634E+08	1,105684E+08	2,277194E+08	4,653113E+08	7,790908E+08	1,084965E+09	1,281560E+09	1,281542E+09	1,084927E+09	7,790506E+08
-1576	4,652803E+08	2,277011E+08	1,105594E+08	1,105564E+08	2,276980E+08	4,652840E+08	7,790611E+08	1,084939E+09	1,281554E+09	1,281571E+09	1,084977E+09	7,791012E+08
-1575	4,653162E+08	2,277107E+08	1,105540E+08	1,105540E+08	2,277086E+08	4,653120E+08	7,790988E+08	1,084972E+09	1,281573E+09	1,281577E+09	1,084974E+09	7,790797E+08
-1574	4,652790E+08	2,276801E+08	1,105348E+08	1,105375E+08	2,276886E+08	4,652962E+08	7,791035E+08	1,085001E+09	1,281606E+09	1,281589E+09	1,084966E+09	7,790744E+08
-1573	4,652831E+08	2,276837E+08	1,105305E+08	1,105233E+08	2,276660E+08	4,652676E+08	7,790779E+08	1,084996E+09	1,281636E+09	1,281644E+09	1,085020E+09	7,791148E+08
-1572	4,653028E+08	2,276787E+08	1,105194E+08	1,105212E+08	2,276802E+08	4,652974E+08	7,791097E+08	1,085020E+09	1,281650E+09	1,281644E+09	1,084999E+09	7,790691E+08
-1571	4,652554E+08	2,276525E+08	1,105058E+08	1,105061E+08	2,276558E+08	4,652683E+08	7,790875E+08	1,085010E+09	1,281652E+09	1,281656E+09	1,085022E+09	7,791016E+08
-1570	4,652842E+08	2,276680E+08	1,105083E+08	1,105030E+08	2,276536E+08	4,652694E+08	7,790896E+08	1,085009E+09	1,281654E+09	1,281673E+09	1,085051E+09	7,791261E+08
-1569	4,652856E+08	2,276539E+08	1,104994E+08	1,105045E+08	2,276654E+08	4,652909E+08	7,791215E+08	1,085046E+09	1,281670E+09	1,281647E+09	1,084995E+09	7,790707E+08
-1568	4,652563E+08	2,276470E+08	1,104988E+08	1,104978E+08	2,276471E+08	4,652616E+08	7,790856E+08	1,085012E+09	1,281654E+09	1,281655E+09	1,085021E+09	7,791083E+08
-1567	4,652982E+08	2,276774E+08	1,105141E+08	1,105114E+08	2,276661E+08	4,652820E+08	7,790965E+08	1,085007E+09	1,281637E+09	1,281640E+09	1,085013E+09	7,790953E+08
-1566	4,652752E+08	2,276641E+08	1,105160E+08	1,105209E+08	2,276765E+08	4,652896E+08	7,791036E+08	1,085011E+09	1,281627E+09	1,281608E+09	1,084970E+09	7,790646E+08
-1565	4,652719E+08	2,276798E+08	1,105340E+08	1,105307E+08	2,276743E+08	4,652697E+08	7,790649E+08	1,084965E+09	1,281597E+09	1,281610E+09	1,084999E+09	7,791074E+08
-1564	4,653130E+08	2,277041E+08	1,105493E+08	1,105526E+08	2,277106E+08	4,653150E+08	7,790967E+08	1,084963E+09	1,281558E+09	1,281558E+09	1,084953E+09	7,790638E+08
-1563	4,652783E+08	2,276948E+08	1,105569E+08	1,105617E+08	2,277104E+08	4,653037E+08	7,790847E+08	1,084952E+09	1,281536E+09	1,281522E+09	1,084926E+09	7,790689E+08
-1562	4,653088E+08	2,277279E+08	1,105789E+08	1,105735E+08	2,277129E+08	4,652927E+08	7,790597E+08	1,084921E+09	1,281516E+09	1,281526E+09	1,084948E+09	7,790978E+08
-1561	4,653280E+08	2,277349E+08	1,105870E+08	1,105911E+08	2,277411E+08	4,653236E+08	7,790867E+08	1,084941E+09	1,281514E+09	1,281492E+09	1,084890E+09	7,790355E+08

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1560	4,652888E+08	2,277260E+08	1,105906E+08	1,105908E+08	2,277287E+08	4,652970E+08	7,790479E+08	1,084899E+09	1,281489E+09	1,281492E+09	1,084913E+09	7,790717E+08
-1559	4,653267E+08	2,277521E+08	1,106018E+08	1,105978E+08	2,277390E+08	4,653092E+08	7,790512E+08	1,084887E+09	1,281473E+09	1,281492E+09	1,084929E+09	7,790816E+08
-1558	4,653138E+08	2,277320E+08	1,105918E+08	1,105976E+08	2,277472E+08	4,653282E+08	7,790845E+08	1,084922E+09	1,281487E+09	1,281475E+09	1,084890E+09	7,790426E+08
-1557	4,652941E+08	2,277258E+08	1,105859E+08	1,105820E+08	2,277188E+08	4,652930E+08	7,790543E+08	1,084912E+09	1,281505E+09	1,281515E+09	1,084939E+09	7,790904E+08
-1556	4,653293E+08	2,277376E+08	1,105814E+08	1,105795E+08	2,277295E+08	4,653203E+08	7,790873E+08	1,084940E+09	1,281522E+09	1,281518E+09	1,084930E+09	7,790631E+08
-1555	4,652883E+08	2,277063E+08	1,105648E+08	1,105667E+08	2,277127E+08	4,653036E+08	7,790887E+08	1,084967E+09	1,281560E+09	1,281538E+09	1,084923E+09	7,790569E+08
-1554	4,652923E+08	2,277082E+08	1,105588E+08	1,105518E+08	2,276902E+08	4,652745E+08	7,790569E+08	1,084949E+09	1,281578E+09	1,281595E+09	1,084990E+09	7,791044E+08
-1553	4,653113E+08	2,277033E+08	1,105487E+08	1,105512E+08	2,277067E+08	4,653084E+08	7,790985E+08	1,084986E+09	1,281595E+09	1,281589E+09	1,084966E+09	7,790604E+08
-1552	4,652633E+08	2,276731E+08	1,105319E+08	1,105340E+08	2,276822E+08	4,652838E+08	7,790835E+08	1,084980E+09	1,281597E+09	1,281596E+09	1,084982E+09	7,790896E+08
-1551	4,652935E+08	2,276914E+08	1,105360E+08	1,105311E+08	2,276776E+08	4,652779E+08	7,790745E+08	1,084969E+09	1,281592E+09	1,281606E+09	1,085005E+09	7,791141E+08
-1550	4,653003E+08	2,276830E+08	1,105306E+08	1,105351E+08	2,276918E+08	4,653020E+08	7,791079E+08	1,085002E+09	1,281606E+09	1,281586E+09	1,084954E+09	7,790563E+08
-1549	4,652692E+08	2,276773E+08	1,105326E+08	1,105305E+08	2,276729E+08	4,652677E+08	7,790657E+08	1,084968E+09	1,281594E+09	1,281598E+09	1,084982E+09	7,790927E+08
-1548	4,653088E+08	2,277088E+08	1,105502E+08	1,105475E+08	2,276988E+08	4,652964E+08	7,790758E+08	1,084950E+09	1,281558E+09	1,281566E+09	1,084966E+09	7,790796E+08
-1547	4,652858E+08	2,276951E+08	1,105540E+08	1,105602E+08	2,277131E+08	4,653092E+08	7,790903E+08	1,084959E+09	1,281546E+09	1,281526E+09	1,084915E+09	7,790494E+08
-1546	4,652869E+08	2,277106E+08	1,105698E+08	1,105674E+08	2,277069E+08	4,652852E+08	7,790510E+08	1,084914E+09	1,281514E+09	1,281529E+09	1,084949E+09	7,790960E+08
-1545	4,653301E+08	2,277380E+08	1,105868E+08	1,105897E+08	2,277416E+08	4,653269E+08	7,790863E+08	1,084930E+09	1,281494E+09	1,281481E+09	1,084899E+09	7,790480E+08
-1544	4,652922E+08	2,277260E+08	1,105924E+08	1,105969E+08	2,277399E+08	4,653149E+08	7,790710E+08	1,084914E+09	1,281478E+09	1,281457E+09	1,084875E+09	7,790490E+08
-1543	4,653192E+08	2,277588E+08	1,106148E+08	1,106088E+08	2,277413E+08	4,652982E+08	7,790322E+08	1,084865E+09	1,281445E+09	1,281461E+09	1,084905E+09	7,790823E+08
-1542	4,653401E+08	2,277654E+08	1,106220E+08	1,106262E+08	2,277729E+08	4,653380E+08	7,790676E+08	1,084882E+09	1,281437E+09	1,281429E+09	1,084855E+09	7,790239E+08
-1541	4,653000E+08	2,277535E+08	1,106227E+08	1,106229E+08	2,277570E+08	4,653115E+08	7,790373E+08	1,084857E+09	1,281422E+09	1,281430E+09	1,084876E+09	7,790622E+08
-1540	4,653384E+08	2,277783E+08	1,106315E+08	1,106276E+08	2,277674E+08	4,653267E+08	7,790450E+08	1,084849E+09	1,281405E+09	1,281418E+09	1,084880E+09	7,790679E+08
-1539	4,653259E+08	2,277583E+08	1,106216E+08	1,106272E+08	2,277738E+08	4,653430E+08	7,790801E+08	1,084896E+09	1,281438E+09	1,281412E+09	1,084838E+09	7,790249E+08
-1538	4,653065E+08	2,277516E+08	1,106139E+08	1,106091E+08	2,277402E+08	4,652989E+08	7,790400E+08	1,084879E+09	1,281459E+09	1,281467E+09	1,084902E+09	7,790754E+08
-1537	4,653378E+08	2,277632E+08	1,106111E+08	1,106083E+08	2,277519E+08	4,653237E+08	7,790716E+08	1,084912E+09	1,281481E+09	1,281475E+09	1,084898E+09	7,790493E+08
-1536	4,652926E+08	2,277265E+08	1,105912E+08	1,105943E+08	2,277377E+08	4,653138E+08	7,790738E+08	1,084930E+09	1,281512E+09	1,281495E+09	1,084896E+09	7,790465E+08
-1535	4,652971E+08	2,277280E+08	1,105847E+08	1,105787E+08	2,277139E+08	4,652831E+08	7,790371E+08	1,084897E+09	1,281508E+09	1,281536E+09	1,084959E+09	7,791002E+08
-1534	4,653243E+08	2,277264E+08	1,105750E+08	1,105778E+08	2,277311E+08	4,653212E+08	7,790874E+08	1,084939E+09	1,281524E+09	1,281525E+09	1,084930E+09	7,790543E+08
-1533	4,652795E+08	2,276999E+08	1,105600E+08	1,105609E+08	2,277040E+08	4,652920E+08	7,790720E+08	1,084945E+09	1,281540E+09	1,281533E+09	1,084938E+09	7,790776E+08
-1532	4,653086E+08	2,277215E+08	1,105674E+08	1,105612E+08	2,277035E+08	4,652874E+08	7,790565E+08	1,084923E+09	1,281524E+09	1,281532E+09	1,084950E+09	7,790937E+08
-1531	4,653119E+08	2,277141E+08	1,105665E+08	1,105707E+08	2,277234E+08	4,653151E+08	7,790912E+08	1,084957E+09	1,281540E+09	1,281515E+09	1,084899E+09	7,790350E+08
-1530	4,652799E+08	2,277070E+08	1,105680E+08	1,105667E+08	2,277055E+08	4,652822E+08	7,790480E+08	1,084916E+09	1,281521E+09	1,281531E+09	1,084940E+09	7,790771E+08
-1529	4,653174E+08	2,277377E+08	1,105864E+08	1,105846E+08	2,277319E+08	4,653134E+08	7,790698E+08	1,084915E+09	1,281492E+09	1,281495E+09	1,084920E+09	7,790653E+08
-1528	4,652953E+08	2,277214E+08	1,105872E+08	1,105952E+08	2,277457E+08	4,653286E+08	7,790872E+08	1,084927E+09	1,281487E+09	1,281459E+09	1,084867E+09	7,790339E+08
-1527	4,652986E+08	2,277399E+08	1,106038E+08	1,106011E+08	2,277349E+08	4,652946E+08	7,790327E+08	1,084868E+09	1,281447E+09	1,281458E+09	1,084901E+09	7,790832E+08
-1526	4,653474E+08	2,277715E+08	1,106231E+08	1,106246E+08	2,277703E+08	4,653361E+08	7,790657E+08	1,084877E+09	1,281425E+09	1,281420E+09	1,084858E+09	7,790349E+08
-1525	4,653087E+08	2,277601E+08	1,106298E+08	1,106328E+08	2,277682E+08	4,653204E+08	7,790453E+08	1,084861E+09	1,281410E+09	1,281395E+09	1,084836E+09	7,790367E+08

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°
-1524	4,653330E+08	2,277911E+08	1,106514E+08	1,106455E+08	2,277750E+08	4,653121E+08	7,790071E+08	1,084800E+09	1,281358E+09	1,281381E+09	1,084856E+09	7,790686E+08
-1523	4,653530E+08	2,277961E+08	1,106584E+08	1,106631E+08	2,278073E+08	4,653573E+08	7,790558E+08	1,084831E+09	1,281355E+09	1,281345E+09	1,084800E+09	7,790097E+08
-1522	4,653149E+08	2,277819E+08	1,106549E+08	1,106552E+08	2,277854E+08	4,653259E+08	7,790281E+08	1,084815E+09	1,281352E+09	1,281357E+09	1,084828E+09	7,790473E+08
-1521	4,653503E+08	2,278064E+08	1,106633E+08	1,106584E+08	2,277925E+08	4,653375E+08	7,790414E+08	1,084829E+09	1,281359E+09	1,281357E+09	1,084831E+09	7,790487E+08
-1520	4,653340E+08	2,277826E+08	1,106503E+08	1,106556E+08	2,277979E+08	4,653532E+08	7,790716E+08	1,084872E+09	1,281401E+09	1,281369E+09	1,084800E+09	7,790051E+08
-1519	4,653107E+08	2,277739E+08	1,106415E+08	1,106366E+08	2,277627E+08	4,653035E+08	7,790178E+08	1,084836E+09	1,281408E+09	1,281424E+09	1,084874E+09	7,790655E+08
-1518	4,653466E+08	2,277856E+08	1,106381E+08	1,106357E+08	2,277771E+08	4,653354E+08	7,790554E+08	1,084863E+09	1,281422E+09	1,281433E+09	1,084877E+09	7,790459E+08
-1517	4,653041E+08	2,277483E+08	1,106167E+08	1,106198E+08	2,277594E+08	4,653233E+08	7,790622E+08	1,084891E+09	1,281454E+09	1,281443E+09	1,084868E+09	7,790431E+08
-1516	4,653103E+08	2,277510E+08	1,106104E+08	1,106049E+08	2,277386E+08	4,652959E+08	7,790254E+08	1,084855E+09	1,281439E+09	1,281463E+09	1,084912E+09	7,790894E+08
-1515	4,653393E+08	2,277537E+08	1,106046E+08	1,106066E+08	2,277563E+08	4,653333E+08	7,790776E+08	1,084904E+09	1,281464E+09	1,281454E+09	1,084874E+09	7,790356E+08
-1514	4,652931E+08	2,277280E+08	1,105908E+08	1,105907E+08	2,277281E+08	4,652994E+08	7,790554E+08	1,084904E+09	1,281480E+09	1,281472E+09	1,084892E+09	7,790572E+08
-1513	4,653166E+08	2,277498E+08	1,106016E+08	1,105952E+08	2,277317E+08	4,652972E+08	7,790437E+08	1,084890E+09	1,281469E+09	1,281472E+09	1,084903E+09	7,790723E+08
-1512	4,653168E+08	2,277386E+08	1,105987E+08	1,106049E+08	2,277557E+08	4,653327E+08	7,790801E+08	1,084915E+09	1,281479E+09	1,281456E+09	1,084858E+09	7,790180E+08
-1511	4,652857E+08	2,277319E+08	1,106002E+08	1,106001E+08	2,277354E+08	4,652962E+08	7,790323E+08	1,084864E+09	1,281445E+09	1,281461E+09	1,084898E+09	7,790689E+08
-1510	4,653328E+08	2,277665E+08	1,106197E+08	1,106180E+08	2,277613E+08	4,653281E+08	7,790575E+08	1,084866E+09	1,281418E+09	1,281426E+09	1,084878E+09	7,790567E+08
-1509	4,653149E+08	2,277547E+08	1,106227E+08	1,106286E+08	2,277716E+08	4,653357E+08	7,790699E+08	1,084885E+09	1,281423E+09	1,281393E+09	1,084822E+09	7,790219E+08
-1508	4,653173E+08	2,277758E+08	1,106420E+08	1,106379E+08	2,277659E+08	4,653035E+08	7,790064E+08	1,084809E+09	1,281368E+09	1,281381E+09	1,084847E+09	7,790656E+08
-1507	4,653637E+08	2,278080E+08	1,106642E+08	1,106647E+08	2,278051E+08	4,653492E+08	7,790425E+08	1,084818E+09	1,281345E+09	1,281341E+09	1,084803E+09	7,790160E+08
-1506	4,653229E+08	2,277932E+08	1,106684E+08	1,106718E+08	2,278031E+08	4,653367E+08	7,790266E+08	1,084802E+09	1,281327E+09	1,281320E+09	1,084790E+09	7,790213E+08
-1505	4,653436E+08	2,278209E+08	1,106879E+08	1,106828E+08	2,278085E+08	4,653313E+08	7,790051E+08	1,084767E+09	1,281288E+09	1,281303E+09	1,084803E+09	7,790499E+08
-1504	4,653614E+08	2,278207E+08	1,106894E+08	1,106959E+08	2,278385E+08	4,653779E+08	7,790571E+08	1,084806E+09	1,281302E+09	1,281282E+09	1,084753E+09	7,789905E+08
-1503	4,653225E+08	2,278067E+08	1,106842E+08	1,106840E+08	2,278096E+08	4,653359E+08	7,790172E+08	1,084782E+09	1,281301E+09	1,281303E+09	1,084789E+09	7,790329E+08
-1502	4,653605E+08	2,278313E+08	1,106920E+08	1,106862E+08	2,278150E+08	4,653448E+08	7,790261E+08	1,084790E+09	1,281312E+09	1,281319E+09	1,084803E+09	7,790370E+08
-1501	4,653448E+08	2,278076E+08	1,106789E+08	1,106830E+08	2,278189E+08	4,653561E+08	7,790504E+08	1,084831E+09	1,281354E+09	1,281332E+09	1,084778E+09	7,789992E+08
-1500	4,653216E+08	2,277974E+08	1,106687E+08	1,106645E+08	2,277885E+08	4,653128E+08	7,789940E+08	1,084778E+09	1,281334E+09	1,281361E+09	1,084840E+09	7,790589E+08
-1499	4,653598E+08	2,278099E+08	1,106662E+08	1,106640E+08	2,278024E+08	4,653480E+08	7,790423E+08	1,084816E+09	1,281348E+09	1,281358E+09	1,084832E+09	7,790379E+08
-1498	4,653205E+08	2,277735E+08	1,106440E+08	1,106468E+08	2,277821E+08	4,653326E+08	7,790499E+08	1,084850E+09	1,281386E+09	1,281373E+09	1,084823E+09	7,790303E+08
-1497	4,653236E+08	2,277781E+08	1,106401E+08	1,106333E+08	2,277610E+08	4,653046E+08	7,790200E+08	1,084831E+09	1,281386E+09	1,281396E+09	1,084857E+09	7,790661E+08
-1496	4,653470E+08	2,277787E+08	1,106343E+08	1,106364E+08	2,277822E+08	4,653453E+08	7,790685E+08	1,084874E+09	1,281418E+09	1,281402E+09	1,084829E+09	7,790108E+08
-1495	4,652969E+08	2,277528E+08	1,106217E+08	1,106217E+08	2,277550E+08	4,653092E+08	7,790365E+08	1,084858E+09	1,281420E+09	1,281418E+09	1,084855E+09	7,790408E+08
-1494	4,653235E+08	2,277742E+08	1,106329E+08	1,106277E+08	2,277621E+08	4,653140E+08	7,790312E+08	1,084841E+09	1,281404E+09	1,281420E+09	1,084872E+09	7,790618E+08
-1493	4,653285E+08	2,277650E+08	1,106304E+08	1,106368E+08	2,277833E+08	4,653462E+08	7,790706E+08	1,084876E+09	1,281417E+09	1,281397E+09	1,084824E+09	7,790116E+08
-1492	4,653019E+08	2,277609E+08	1,106330E+08	1,106337E+08	2,277661E+08	4,653099E+08	7,790165E+08	1,084816E+09	1,281370E+09	1,281383E+09	1,084848E+09	7,790577E+08
-1491	4,653529E+08	2,278014E+08	1,106573E+08	1,106542E+08	2,277913E+08	4,653395E+08	7,790408E+08	1,084819E+09	1,281346E+09	1,281348E+09	1,084823E+09	7,790413E+08
-1490	4,653345E+08	2,277909E+08	1,106622E+08	1,106668E+08	2,278017E+08	4,653429E+08	7,790446E+08	1,084828E+09	1,281347E+09	1,281322E+09	1,084776E+09	7,790043E+08
-1489	4,653308E+08	2,278110E+08	1,106832E+08	1,106788E+08	2,278002E+08	4,653165E+08	7,789898E+08	1,084760E+09	1,281290E+09	1,281304E+09	1,084795E+09	7,790444E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,653723E+08	2,278374E+08	1,107014E+08	1,107039E+08	2,278424E+08	4,653709E+08	7,790312E+08	1,084767E+09	1,281268E+09	1,281267E+09	1,084754E+09	7,789959E+08
-1487	4,653302E+08	2,278204E+08	1,107025E+08	1,107069E+08	2,278353E+08	4,653545E+08	7,790157E+08	1,084753E+09	1,281246E+09	1,281241E+09	1,084741E+09	7,790077E+08
-1486	4,653567E+08	2,278480E+08	1,107198E+08	1,107150E+08	2,278376E+08	4,653479E+08	7,789986E+08	1,084729E+09	1,281227E+09	1,281240E+09	1,084758E+09	7,790353E+08
-1485	4,653763E+08	2,278497E+08	1,107205E+08	1,107251E+08	2,278606E+08	4,653840E+08	7,790446E+08	1,084776E+09	1,281255E+09	1,281231E+09	1,084715E+09	7,789780E+08
-1484	4,653359E+08	2,278349E+08	1,107151E+08	1,107143E+08	2,278347E+08	4,653415E+08	7,789944E+08	1,084736E+09	1,281242E+09	1,281246E+09	1,084750E+09	7,790196E+08
-1483	4,653733E+08	2,278596E+08	1,107241E+08	1,107174E+08	2,278411E+08	4,653535E+08	7,790064E+08	1,084743E+09	1,281249E+09	1,281260E+09	1,084767E+09	7,790266E+08
-1482	4,653568E+08	2,278329E+08	1,107082E+08	1,107122E+08	2,278437E+08	4,653655E+08	7,790327E+08	1,084782E+09	1,281286E+09	1,281275E+09	1,084749E+09	7,789916E+08
-1481	4,653321E+08	2,278209E+08	1,106968E+08	1,106929E+08	2,278133E+08	4,653268E+08	7,789924E+08	1,084749E+09	1,281273E+09	1,281294E+09	1,084795E+09	7,790444E+08
-1480	4,653686E+08	2,278307E+08	1,106913E+08	1,106904E+08	2,278269E+08	4,653627E+08	7,790391E+08	1,084790E+09	1,281298E+09	1,281300E+09	1,084787E+09	7,790179E+08
-1479	4,653274E+08	2,277964E+08	1,106700E+08	1,106723E+08	2,278032E+08	4,653403E+08	7,790374E+08	1,084815E+09	1,281333E+09	1,281316E+09	1,084781E+09	7,790129E+08
-1478	4,653319E+08	2,278017E+08	1,106682E+08	1,106614E+08	2,277848E+08	4,653131E+08	7,790048E+08	1,084792E+09	1,281338E+09	1,281353E+09	1,084824E+09	7,790483E+08
-1477	4,653547E+08	2,278036E+08	1,106640E+08	1,106658E+08	2,278067E+08	4,653529E+08	7,790511E+08	1,084833E+09	1,281365E+09	1,281356E+09	1,084802E+09	7,790012E+08
-1476	4,653066E+08	2,277775E+08	1,106519E+08	1,106538E+08	2,277855E+08	4,653233E+08	7,790181E+08	1,084802E+09	1,281343E+09	1,281349E+09	1,084816E+09	7,790324E+08
-1475	4,653380E+08	2,278022E+08	1,106657E+08	1,106608E+08	2,277914E+08	4,653296E+08	7,790209E+08	1,084794E+09	1,281327E+09	1,281340E+09	1,084824E+09	7,790526E+08
-1474	4,653472E+08	2,277964E+08	1,106646E+08	1,106704E+08	2,278108E+08	4,653563E+08	7,790553E+08	1,084830E+09	1,281344E+09	1,281322E+09	1,084778E+09	7,789995E+08
-1473	4,653199E+08	2,277957E+08	1,106711E+08	1,106704E+08	2,277952E+08	4,653208E+08	7,790059E+08	1,084778E+09	1,281301E+09	1,281304E+09	1,084789E+09	7,790351E+08
-1472	4,653656E+08	2,278340E+08	1,106954E+08	1,106928E+08	2,278248E+08	4,653530E+08	7,790237E+08	1,084772E+09	1,281280E+09	1,281280E+09	1,084772E+09	7,790169E+08
-1471	4,653432E+08	2,278230E+08	1,107004E+08	1,107055E+08	2,278361E+08	4,653570E+08	7,790231E+08	1,084768E+09	1,281265E+09	1,281248E+09	1,084730E+09	7,789880E+08
-1470	4,653414E+08	2,278404E+08	1,107196E+08	1,107165E+08	2,278354E+08	4,653366E+08	7,789774E+08	1,084706E+09	1,281214E+09	1,281235E+09	1,084751E+09	7,790288E+08
-1469	4,653842E+08	2,278664E+08	1,107356E+08	1,107382E+08	2,278723E+08	4,653866E+08	7,790248E+08	1,084730E+09	1,281203E+09	1,281199E+09	1,084711E+09	7,789852E+08
-1468	4,653453E+08	2,278496E+08	1,107351E+08	1,107402E+08	2,278653E+08	4,653679E+08	7,790028E+08	1,084710E+09	1,281178E+09	1,281167E+09	1,084689E+09	7,789921E+08
-1467	4,653727E+08	2,278794E+08	1,107539E+08	1,107475E+08	2,278635E+08	4,653573E+08	7,789849E+08	1,084691E+09	1,281168E+09	1,281175E+09	1,084711E+09	7,790194E+08
-1466	4,653905E+08	2,278808E+08	1,107548E+08	1,107578E+08	2,278855E+08	4,653875E+08	7,790209E+08	1,084729E+09	1,281196E+09	1,281179E+09	1,084684E+09	7,789668E+08
-1465	4,653472E+08	2,278636E+08	1,107487E+08	1,107475E+08	2,278619E+08	4,653505E+08	7,789787E+08	1,084693E+09	1,281178E+09	1,281185E+09	1,084711E+09	7,790056E+08
-1464	4,653807E+08	2,278826E+08	1,107532E+08	1,107483E+08	2,278697E+08	4,653684E+08	7,789942E+08	1,084698E+09	1,281184E+09	1,281200E+09	1,084730E+09	7,790132E+08
-1463	4,653646E+08	2,278554E+08	1,107347E+08	1,107392E+08	2,278675E+08	4,653763E+08	7,790197E+08	1,084736E+09	1,281215E+09	1,281205E+09	1,084708E+09	7,789818E+08
-1462	4,653439E+08	2,278438E+08	1,107226E+08	1,107188E+08	2,278362E+08	4,653383E+08	7,789832E+08	1,084715E+09	1,281219E+09	1,281237E+09	1,084752E+09	7,790284E+08
-1461	4,653797E+08	2,278558E+08	1,107182E+08	1,107157E+08	2,278465E+08	4,653682E+08	7,790274E+08	1,084761E+09	1,281255E+09	1,281251E+09	1,084750E+09	7,790033E+08
-1460	4,653372E+08	2,278212E+08	1,106983E+08	1,107012E+08	2,278289E+08	4,653484E+08	7,790183E+08	1,084771E+09	1,281274E+09	1,281259E+09	1,084740E+09	7,789967E+08
-1459	4,653414E+08	2,278277E+08	1,106990E+08	1,106926E+08	2,278129E+08	4,653269E+08	7,789922E+08	1,084750E+09	1,281276E+09	1,281292E+09	1,084786E+09	7,790363E+08
-1458	4,653641E+08	2,278291E+08	1,106949E+08	1,106974E+08	2,278344E+08	4,653661E+08	7,790393E+08	1,084790E+09	1,281298E+09	1,281295E+09	1,084770E+09	7,789941E+08
-1457	4,653187E+08	2,278039E+08	1,106837E+08	1,106863E+08	2,278139E+08	4,653399E+08	7,790183E+08	1,084773E+09	1,281279E+09	1,281277E+09	1,084768E+09	7,790176E+08
-1456	4,653502E+08	2,278292E+08	1,106972E+08	1,106934E+08	2,278205E+08	4,653445E+08	7,790140E+08	1,084762E+09	1,281270E+09	1,281275E+09	1,084776E+09	7,790329E+08
-1455	4,653587E+08	2,278271E+08	1,106984E+08	1,107031E+08	2,278370E+08	4,653635E+08	7,790353E+08	1,084782E+09	1,281276E+09	1,281255E+09	1,084732E+09	7,789833E+08
-1454	4,653331E+08	2,278277E+08	1,107078E+08	1,107071E+08	2,278264E+08	4,653310E+08	7,789827E+08	1,084725E+09	1,281235E+09	1,281244E+09	1,084746E+09	7,790177E+08
-1453	4,653781E+08	2,278662E+08	1,107325E+08	1,107297E+08	2,278562E+08	4,653634E+08	7,790007E+08	1,084716E+09	1,281204E+09	1,281213E+09	1,084732E+09	7,790055E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,653562E+08	2,278534E+08	1,107367E+08	1,107436E+08	2,278719E+08	4,653736E+08	7,790032E+08	1,084704E+09	1,281171E+09	1,281160E+09	1,084678E+09	7,789756E+08
-1451	4,653582E+08	2,278730E+08	1,107565E+08	1,107533E+08	2,278679E+08	4,653541E+08	7,789687E+08	1,084660E+09	1,281131E+09	1,281145E+09	1,084694E+09	7,790138E+08
-1450	4,654003E+08	2,278997E+08	1,107719E+08	1,107732E+08	2,279002E+08	4,653964E+08	7,790106E+08	1,084689E+09	1,281135E+09	1,281126E+09	1,084662E+09	7,789703E+08
-1449	4,653610E+08	2,278836E+08	1,107724E+08	1,107757E+08	2,278932E+08	4,653787E+08	7,789941E+08	1,084678E+09	1,281120E+09	1,281100E+09	1,084637E+09	7,789700E+08
-1448	4,653822E+08	2,279087E+08	1,107885E+08	1,107827E+08	2,278939E+08	4,653688E+08	7,789684E+08	1,084650E+09	1,281114E+09	1,281123E+09	1,084671E+09	7,789983E+08
-1447	4,653964E+08	2,279077E+08	1,107868E+08	1,107902E+08	2,279140E+08	4,653983E+08	7,790005E+08	1,084676E+09	1,281128E+09	1,281120E+09	1,084652E+09	7,789579E+08
-1446	4,653562E+08	2,278871E+08	1,107777E+08	1,107779E+08	2,278905E+08	4,653661E+08	7,789665E+08	1,084649E+09	1,281117E+09	1,281130E+09	1,084678E+09	7,789967E+08
-1445	4,653912E+08	2,279048E+08	1,107790E+08	1,107744E+08	2,278926E+08	4,653789E+08	7,789863E+08	1,084667E+09	1,281130E+09	1,281143E+09	1,084696E+09	7,790065E+08
-1444	4,653773E+08	2,278782E+08	1,107598E+08	1,107651E+08	2,278910E+08	4,653859E+08	7,790067E+08	1,084698E+09	1,281154E+09	1,281140E+09	1,084663E+09	7,789684E+08
-1443	4,653570E+08	2,278699E+08	1,107504E+08	1,107454E+08	2,278578E+08	4,653466E+08	7,789729E+08	1,084683E+09	1,281167E+09	1,281177E+09	1,084709E+09	7,790111E+08
-1442	4,653879E+08	2,278817E+08	1,107478E+08	1,107446E+08	2,278695E+08	4,653733E+08	7,790090E+08	1,084722E+09	1,281202E+09	1,281202E+09	1,084718E+09	7,789912E+08
-1441	4,653458E+08	2,278467E+08	1,107288E+08	1,107321E+08	2,278564E+08	4,653626E+08	7,790106E+08	1,084735E+09	1,281215E+09	1,281198E+09	1,084700E+09	7,789811E+08
-1440	4,653472E+08	2,278493E+08	1,107272E+08	1,107233E+08	2,278423E+08	4,653445E+08	7,789859E+08	1,084712E+09	1,281216E+09	1,281232E+09	1,084748E+09	7,790221E+08
-1439	4,653728E+08	2,278537E+08	1,107234E+08	1,107264E+08	2,278595E+08	4,653771E+08	7,790274E+08	1,084748E+09	1,281229E+09	1,281225E+09	1,084728E+09	7,789865E+08
-1438	4,653339E+08	2,278319E+08	1,107146E+08	1,107169E+08	2,278396E+08	4,653489E+08	7,790017E+08	1,084733E+09	1,281222E+09	1,281214E+09	1,084722E+09	7,790027E+08
-1437	4,653654E+08	2,278611E+08	1,107312E+08	1,107255E+08	2,278449E+08	4,653482E+08	7,789919E+08	1,084718E+09	1,281211E+09	1,281216E+09	1,084735E+09	7,790200E+08
-1436	4,653737E+08	2,278599E+08	1,107352E+08	1,107402E+08	2,278690E+08	4,653715E+08	7,790061E+08	1,084718E+09	1,281194E+09	1,281180E+09	1,084683E+09	7,789673E+08
-1435	4,653477E+08	2,278620E+08	1,107468E+08	1,107460E+08	2,278612E+08	4,653475E+08	7,789653E+08	1,084668E+09	1,281149E+09	1,281159E+09	1,084695E+09	7,790020E+08
-1434	4,653902E+08	2,278988E+08	1,107711E+08	1,107687E+08	2,278906E+08	4,653802E+08	7,789873E+08	1,084665E+09	1,281122E+09	1,281132E+09	1,084684E+09	7,789935E+08
-1433	4,653712E+08	2,278859E+08	1,107745E+08	1,107817E+08	2,279060E+08	4,653943E+08	7,790029E+08	1,084670E+09	1,281098E+09	1,281075E+09	1,084617E+09	7,789540E+08
-1432	4,653698E+08	2,279034E+08	1,107921E+08	1,107899E+08	2,279007E+08	4,653718E+08	7,789630E+08	1,084628E+09	1,281074E+09	1,281078E+09	1,084641E+09	7,789893E+08
-1431	4,654091E+08	2,279308E+08	1,108075E+08	1,108079E+08	2,279282E+08	4,654048E+08	7,789919E+08	1,084644E+09	1,281072E+09	1,281064E+09	1,084621E+09	7,789555E+08
-1430	4,653721E+08	2,279134E+08	1,108077E+08	1,108112E+08	2,279236E+08	4,653879E+08	7,789707E+08	1,084630E+09	1,281065E+09	1,281051E+09	1,084603E+09	7,789571E+08
-1429	4,653922E+08	2,279359E+08	1,108207E+08	1,108150E+08	2,279218E+08	4,653782E+08	7,789475E+08	1,084600E+09	1,281051E+09	1,281070E+09	1,084644E+09	7,789939E+08
-1428	4,654085E+08	2,279322E+08	1,108160E+08	1,108209E+08	2,279424E+08	4,654105E+08	7,789815E+08	1,084620E+09	1,281046E+09	1,281046E+09	1,084610E+09	7,789516E+08
-1427	4,653726E+08	2,279139E+08	1,108063E+08	1,108061E+08	2,279152E+08	4,653791E+08	7,789589E+08	1,084611E+09	1,281045E+09	1,281051E+09	1,084629E+09	7,789854E+08
-1426	4,654050E+08	2,279319E+08	1,108076E+08	1,108015E+08	2,279139E+08	4,653851E+08	7,789729E+08	1,084633E+09	1,281074E+09	1,281080E+09	1,084651E+09	7,789932E+08
-1425	4,653898E+08	2,279056E+08	1,107897E+08	1,107936E+08	2,279144E+08	4,653965E+08	7,790010E+08	1,084671E+09	1,281105E+09	1,281081E+09	1,084614E+09	7,789457E+08
-1424	4,653625E+08	2,278935E+08	1,107792E+08	1,107753E+08	2,278852E+08	4,653600E+08	7,789633E+08	1,084652E+09	1,281123E+09	1,281132E+09	1,084672E+09	7,789887E+08
-1423	4,653890E+08	2,279034E+08	1,107753E+08	1,107727E+08	2,278949E+08	4,653852E+08	7,789955E+08	1,084680E+09	1,281144E+09	1,281150E+09	1,084688E+09	7,789824E+08
-1422	4,653533E+08	2,278682E+08	1,107559E+08	1,107606E+08	2,278830E+08	4,653769E+08	7,790012E+08	1,084701E+09	1,281167E+09	1,281150E+09	1,084667E+09	7,789727E+08
-1421	4,653583E+08	2,278724E+08	1,107537E+08	1,107498E+08	2,278646E+08	4,653528E+08	7,789747E+08	1,084681E+09	1,281165E+09	1,281177E+09	1,084713E+09	7,790161E+08
-1420	4,653877E+08	2,278800E+08	1,107523E+08	1,107553E+08	2,278834E+08	4,653824E+08	7,790057E+08	1,084700E+09	1,281162E+09	1,281156E+09	1,084682E+09	7,789754E+08
-1419	4,653517E+08	2,278647E+08	1,107493E+08	1,107499E+08	2,278659E+08	4,653560E+08	7,789814E+08	1,084684E+09	1,281151E+09	1,281142E+09	1,084674E+09	7,789876E+08
-1418	4,653787E+08	2,278945E+08	1,107692E+08	1,107627E+08	2,278752E+08	4,653548E+08	7,789638E+08	1,084658E+09	1,281133E+09	1,281146E+09	1,084693E+09	7,790078E+08
-1417	4,653874E+08	2,278931E+08	1,107743E+08	1,107797E+08	2,279052E+08	4,653916E+08	7,789944E+08	1,084663E+09	1,281107E+09	1,281093E+09	1,084626E+09	7,789477E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,653579E+08	2,278920E+08	1,107841E+08	1,107854E+08	2,278989E+08	4,653709E+08	7,789591E+08	1,084621E+09	1,281069E+09	1,281077E+09	1,084638E+09	7,789784E+08
-1415	4,653988E+08	2,279290E+08	1,108067E+08	1,108048E+08	2,279227E+08	4,653966E+08	7,789775E+08	1,084621E+09	1,281046E+09	1,281048E+09	1,084628E+09	7,789767E+08
-1414	4,653855E+08	2,279180E+08	1,108109E+08	1,108180E+08	2,279373E+08	4,654075E+08	7,789890E+08	1,084634E+09	1,281046E+09	1,281012E+09	1,084565E+09	7,789345E+08
-1413	4,653826E+08	2,279352E+08	1,108277E+08	1,108246E+08	2,279286E+08	4,653793E+08	7,789443E+08	1,084588E+09	1,281021E+09	1,281026E+09	1,084604E+09	7,789772E+08
-1412	4,654216E+08	2,279607E+08	1,108427E+08	1,108438E+08	2,279592E+08	4,654134E+08	7,789655E+08	1,084585E+09	1,280998E+09	1,281000E+09	1,084582E+09	7,789469E+08
-1411	4,653875E+08	2,279443E+08	1,108426E+08	1,108458E+08	2,279540E+08	4,654022E+08	7,789548E+08	1,084577E+09	1,280987E+09	1,280979E+09	1,084565E+09	7,789495E+08
-1410	4,654050E+08	2,279639E+08	1,108532E+08	1,108474E+08	2,279495E+08	4,653899E+08	7,789330E+08	1,084553E+09	1,280979E+09	1,281001E+09	1,084605E+09	7,789883E+08
-1409	4,654246E+08	2,279600E+08	1,108465E+08	1,108507E+08	2,279689E+08	4,654266E+08	7,789792E+08	1,084587E+09	1,280982E+09	1,280971E+09	1,084555E+09	7,789322E+08
-1408	4,653831E+08	2,279392E+08	1,108349E+08	1,108346E+08	2,279406E+08	4,653925E+08	7,789533E+08	1,084584E+09	1,280999E+09	1,280995E+09	1,084579E+09	7,789592E+08
-1407	4,654098E+08	2,279564E+08	1,108358E+08	1,108290E+08	2,279361E+08	4,653915E+08	7,789578E+08	1,084597E+09	1,281024E+09	1,281029E+09	1,084613E+09	7,789772E+08
-1406	4,653969E+08	2,279290E+08	1,108183E+08	1,108227E+08	2,279400E+08	4,654047E+08	7,789815E+08	1,084634E+09	1,281064E+09	1,281041E+09	1,084583E+09	7,789322E+08
-1405	4,653681E+08	2,279144E+08	1,108055E+08	1,108022E+08	2,279092E+08	4,653701E+08	7,789485E+08	1,084612E+09	1,281071E+09	1,281088E+09	1,084649E+09	7,789853E+08
-1404	4,653987E+08	2,279238E+08	1,108012E+08	1,107999E+08	2,279193E+08	4,653950E+08	7,789789E+08	1,084630E+09	1,281072E+09	1,281084E+09	1,084651E+09	7,789785E+08
-1403	4,653705E+08	2,278949E+08	1,107843E+08	1,107877E+08	2,279054E+08	4,653861E+08	7,789894E+08	1,084661E+09	1,281097E+09	1,281077E+09	1,084623E+09	7,789634E+08
-1402	4,653740E+08	2,279025E+08	1,107858E+08	1,107800E+08	2,278877E+08	4,653569E+08	7,789532E+08	1,084636E+09	1,281102E+09	1,281113E+09	1,084669E+09	7,790051E+08
-1401	4,654048E+08	2,279128E+08	1,107880E+08	1,107893E+08	2,279117E+08	4,653935E+08	7,789900E+08	1,084653E+09	1,281092E+09	1,281083E+09	1,084626E+09	7,789521E+08
-1400	4,653619E+08	2,278954E+08	1,107861E+08	1,107880E+08	2,279015E+08	4,653740E+08	7,789671E+08	1,084636E+09	1,281080E+09	1,281073E+09	1,084623E+09	7,789617E+08
-1399	4,653842E+08	2,279235E+08	1,108051E+08	1,108000E+08	2,279101E+08	4,653740E+08	7,789514E+08	1,084606E+09	1,281052E+09	1,281067E+09	1,084643E+09	7,789925E+08
-1398	4,653980E+08	2,279214E+08	1,108098E+08	1,108170E+08	2,279407E+08	4,654125E+08	7,789872E+08	1,084626E+09	1,281044E+09	1,281023E+09	1,084575E+09	7,789307E+08
-1397	4,653696E+08	2,279205E+08	1,108176E+08	1,108194E+08	2,279290E+08	4,653866E+08	7,789528E+08	1,084590E+09	1,281013E+09	1,281014E+09	1,084593E+09	7,789651E+08
-1396	4,654120E+08	2,279582E+08	1,108411E+08	1,108391E+08	2,279512E+08	4,654058E+08	7,789590E+08	1,084574E+09	1,280980E+09	1,280981E+09	1,084579E+09	7,789621E+08
-1395	4,654028E+08	2,279528E+08	1,108487E+08	1,108540E+08	2,279659E+08	4,654155E+08	7,789686E+08	1,084586E+09	1,280977E+09	1,280948E+09	1,084525E+09	7,789221E+08
-1394	4,653968E+08	2,279689E+08	1,108663E+08	1,108622E+08	2,279592E+08	4,653858E+08	7,789153E+08	1,084529E+09	1,280948E+09	1,280963E+09	1,084570E+09	7,789714E+08
-1393	4,654379E+08	2,279925E+08	1,108795E+08	1,108801E+08	2,279919E+08	4,654308E+08	7,789515E+08	1,084529E+09	1,280914E+09	1,280920E+09	1,084533E+09	7,789337E+08
-1392	4,654014E+08	2,279731E+08	1,108764E+08	1,108806E+08	2,279863E+08	4,654210E+08	7,789468E+08	1,084532E+09	1,280911E+09	1,280903E+09	1,084513E+09	7,789301E+08
-1391	4,654159E+08	2,279910E+08	1,108835E+08	1,108772E+08	2,279748E+08	4,654009E+08	7,789210E+08	1,084511E+09	1,280908E+09	1,280925E+09	1,084553E+09	7,789717E+08
-1390	4,654371E+08	2,279873E+08	1,108769E+08	1,108802E+08	2,279937E+08	4,654353E+08	7,789650E+08	1,084557E+09	1,280940E+09	1,280919E+09	1,084508E+09	7,789115E+08
-1389	4,653912E+08	2,279641E+08	1,108633E+08	1,108622E+08	2,279633E+08	4,653995E+08	7,789387E+08	1,084552E+09	1,280958E+09	1,280955E+09	1,084548E+09	7,789440E+08
-1388	4,654145E+08	2,279769E+08	1,108630E+08	1,108572E+08	2,279610E+08	4,654002E+08	7,789382E+08	1,084550E+09	1,280965E+09	1,280978E+09	1,084581E+09	7,789669E+08
-1387	4,654069E+08	2,279525E+08	1,108460E+08	1,108504E+08	2,279649E+08	4,654185E+08	7,789728E+08	1,084594E+09	1,281001E+09	1,280985E+09	1,084555E+09	7,789269E+08
-1386	4,653784E+08	2,279369E+08	1,108326E+08	1,108295E+08	2,279323E+08	4,653794E+08	7,789366E+08	1,084574E+09	1,281012E+09	1,281031E+09	1,084618E+09	7,789826E+08
-1385	4,654150E+08	2,279492E+08	1,108291E+08	1,108270E+08	2,279428E+08	4,654084E+08	7,789733E+08	1,084596E+09	1,281010E+09	1,281015E+09	1,084601E+09	7,789625E+08
-1384	4,653841E+08	2,279224E+08	1,108149E+08	1,108180E+08	2,279311E+08	4,653972E+08	7,789777E+08	1,084624E+09	1,281041E+09	1,281017E+09	1,084574E+09	7,789389E+08
-1383	4,653822E+08	2,279307E+08	1,108185E+08	1,108123E+08	2,279144E+08	4,653644E+08	7,789321E+08	1,084586E+09	1,281033E+09	1,281047E+09	1,084624E+09	7,789876E+08
-1382	4,654150E+08	2,279416E+08	1,108230E+08	1,108253E+08	2,279444E+08	4,654065E+08	7,789686E+08	1,084604E+09	1,281031E+09	1,281022E+09	1,084582E+09	7,789345E+08
-1381	4,653706E+08	2,279222E+08	1,108193E+08	1,108226E+08	2,279338E+08	4,653919E+08	7,789557E+08	1,084589E+09	1,281010E+09	1,281007E+09	1,084582E+09	7,789497E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,653947E+08	2,279491E+08	1,108381E+08	1,108345E+08	2,279412E+08	4,653898E+08	7,789393E+08	1,084556E+09	1,280970E+09	1,280984E+09	1,084590E+09	7,789795E+08
-1379	4,654163E+08	2,279544E+08	1,108454E+08	1,108514E+08	2,279693E+08	4,654257E+08	7,789772E+08	1,084585E+09	1,280970E+09	1,280944E+09	1,084525E+09	7,789163E+08
-1378	4,653860E+08	2,279556E+08	1,108562E+08	1,108559E+08	2,279570E+08	4,653927E+08	7,789314E+08	1,084544E+09	1,280949E+09	1,280949E+09	1,084549E+09	7,789536E+08
-1377	4,654309E+08	2,279946E+08	1,108813E+08	1,108775E+08	2,279831E+08	4,654185E+08	7,789403E+08	1,084522E+09	1,280907E+09	1,280910E+09	1,084528E+09	7,789425E+08
-1376	4,654168E+08	2,279871E+08	1,108888E+08	1,108944E+08	2,280020E+08	4,654319E+08	7,789498E+08	1,084530E+09	1,280902E+09	1,280880E+09	1,084479E+09	7,789020E+08
-1375	4,654072E+08	2,279998E+08	1,109031E+08	1,108996E+08	2,279928E+08	4,654022E+08	7,788989E+08	1,084472E+09	1,280864E+09	1,280886E+09	1,084526E+09	7,789607E+08
-1374	4,654521E+08	2,280214E+08	1,109136E+08	1,109152E+08	2,280236E+08	4,654457E+08	7,789387E+08	1,084489E+09	1,280852E+09	1,280850E+09	1,084483E+09	7,789174E+08
-1373	4,654132E+08	2,279995E+08	1,109063E+08	1,109105E+08	2,280125E+08	4,654339E+08	7,789388E+08	1,084500E+09	1,280857E+09	1,280842E+09	1,084469E+09	7,789144E+08
-1372	4,654252E+08	2,280151E+08	1,109125E+08	1,109061E+08	2,279985E+08	4,654085E+08	7,789053E+08	1,084471E+09	1,280850E+09	1,280864E+09	1,084508E+09	7,789539E+08
-1371	4,654485E+08	2,280146E+08	1,109072E+08	1,109092E+08	2,280170E+08	4,654430E+08	7,789500E+08	1,084517E+09	1,280882E+09	1,280867E+09	1,084477E+09	7,788987E+08
-1370	4,653990E+08	2,279889E+08	1,108933E+08	1,108920E+08	2,279882E+08	4,654073E+08	7,789192E+08	1,084507E+09	1,280902E+09	1,280909E+09	1,084524E+09	7,789397E+08
-1369	4,654260E+08	2,280000E+08	1,108909E+08	1,108852E+08	2,279872E+08	4,654172E+08	7,789311E+08	1,084507E+09	1,280897E+09	1,280914E+09	1,084541E+09	7,789552E+08
-1368	4,654184E+08	2,279757E+08	1,108733E+08	1,108785E+08	2,279904E+08	4,654332E+08	7,789676E+08	1,084560E+09	1,280940E+09	1,280921E+09	1,084511E+09	7,789103E+08
-1367	4,653894E+08	2,279612E+08	1,108594E+08	1,108561E+08	2,279542E+08	4,653871E+08	7,789237E+08	1,084536E+09	1,280950E+09	1,280963E+09	1,084571E+09	7,789691E+08
-1366	4,654287E+08	2,279763E+08	1,108590E+08	1,108563E+08	2,279663E+08	4,654132E+08	7,789543E+08	1,084562E+09	1,280966E+09	1,280961E+09	1,084556E+09	7,789431E+08
-1365	4,653938E+08	2,279489E+08	1,108454E+08	1,108484E+08	2,279572E+08	4,654064E+08	7,789609E+08	1,084583E+09	1,280987E+09	1,280967E+09	1,084539E+09	7,789234E+08
-1364	4,653892E+08	2,279551E+08	1,108500E+08	1,108452E+08	2,279439E+08	4,653772E+08	7,789137E+08	1,084532E+09	1,280958E+09	1,280980E+09	1,084582E+09	7,789729E+08
-1363	4,654271E+08	2,279704E+08	1,108564E+08	1,108589E+08	2,279750E+08	4,654248E+08	7,789614E+08	1,084559E+09	1,280953E+09	1,280949E+09	1,084542E+09	7,789239E+08
-1362	4,653836E+08	2,279514E+08	1,108537E+08	1,108572E+08	2,279636E+08	4,654059E+08	7,789454E+08	1,084549E+09	1,280944E+09	1,280937E+09	1,084538E+09	7,789402E+08
-1361	4,654122E+08	2,279802E+08	1,108731E+08	1,108687E+08	2,279712E+08	4,654069E+08	7,789322E+08	1,084517E+09	1,280902E+09	1,280908E+09	1,084533E+09	7,789581E+08
-1360	4,654315E+08	2,279888E+08	1,108841E+08	1,108893E+08	2,280008E+08	4,654382E+08	7,789628E+08	1,084543E+09	1,280907E+09	1,280879E+09	1,084474E+09	7,788930E+08
-1359	4,653980E+08	2,279895E+08	1,108955E+08	1,108949E+08	2,279888E+08	4,654006E+08	7,789047E+08	1,084485E+09	1,280872E+09	1,280879E+09	1,084505E+09	7,789396E+08
-1358	4,654452E+08	2,280279E+08	1,109209E+08	1,109179E+08	2,280184E+08	4,654302E+08	7,789144E+08	1,084465E+09	1,280836E+09	1,280843E+09	1,084486E+09	7,789288E+08
-1357	4,654295E+08	2,280172E+08	1,109245E+08	1,109312E+08	2,280355E+08	4,654492E+08	7,789353E+08	1,084476E+09	1,280822E+09	1,280808E+09	1,084438E+09	7,788917E+08
-1356	4,654196E+08	2,280265E+08	1,109357E+08	1,109333E+08	2,280223E+08	4,654160E+08	7,788846E+08	1,084419E+09	1,280778E+09	1,280799E+09	1,084471E+09	7,789459E+08
-1355	4,654691E+08	2,280525E+08	1,109464E+08	1,109466E+08	2,280496E+08	4,654575E+08	7,789287E+08	1,084449E+09	1,280780E+09	1,280774E+09	1,084435E+09	7,789011E+08
-1354	4,654261E+08	2,280296E+08	1,109395E+08	1,109421E+08	2,280371E+08	4,654400E+08	7,789216E+08	1,084462E+09	1,280802E+09	1,280785E+09	1,084428E+09	7,789001E+08
-1353	4,654374E+08	2,280428E+08	1,109442E+08	1,109371E+08	2,280259E+08	4,654227E+08	7,788942E+08	1,084431E+09	1,280791E+09	1,280805E+09	1,084464E+09	7,789328E+08
-1352	4,654557E+08	2,280403E+08	1,109384E+08	1,109412E+08	2,280464E+08	4,654591E+08	7,789413E+08	1,084479E+09	1,280825E+09	1,280814E+09	1,084442E+09	7,788821E+08
-1351	4,654051E+08	2,280110E+08	1,109207E+08	1,109206E+08	2,280139E+08	4,654205E+08	7,789104E+08	1,084469E+09	1,280840E+09	1,280850E+09	1,084490E+09	7,789325E+08
-1350	4,654374E+08	2,280222E+08	1,109171E+08	1,109124E+08	2,280107E+08	4,654266E+08	7,789219E+08	1,084482E+09	1,280855E+09	1,280862E+09	1,084504E+09	7,789431E+08
-1349	4,654294E+08	2,279982E+08	1,108979E+08	1,109027E+08	2,280104E+08	4,654408E+08	7,789574E+08	1,084532E+09	1,280897E+09	1,280874E+09	1,084477E+09	7,788978E+08
-1348	4,653987E+08	2,279840E+08	1,108863E+08	1,108827E+08	2,279747E+08	4,653906E+08	7,789035E+08	1,084493E+09	1,280890E+09	1,280905E+09	1,084530E+09	7,789542E+08
-1347	4,654416E+08	2,280048E+08	1,108902E+08	1,108865E+08	2,279909E+08	4,654196E+08	7,789335E+08	1,084512E+09	1,280896E+09	1,280903E+09	1,084524E+09	7,789314E+08
-1346	4,654038E+08	2,279769E+08	1,108788E+08	1,108821E+08	2,279864E+08	4,654173E+08	7,789405E+08	1,084530E+09	1,280916E+09	1,280904E+09	1,084505E+09	7,789169E+08
-1345	4,654035E+08	2,279831E+08	1,108832E+08	1,108790E+08	2,279762E+08	4,653990E+08	7,789072E+08	1,084483E+09	1,280876E+09	1,280898E+09	1,084529E+09	7,789548E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,654401E+08	2,280007E+08	1,108914E+08	1,108943E+08	2,280065E+08	4,654425E+08	7,789559E+08	1,084520E+09	1,280880E+09	1,280870E+09	1,084485E+09	7,789025E+08
-1343	4,653971E+08	2,279832E+08	1,108894E+08	1,108925E+08	2,279928E+08	4,654167E+08	7,789305E+08	1,084506E+09	1,280874E+09	1,280861E+09	1,084485E+09	7,789229E+08
-1342	4,654279E+08	2,280143E+08	1,109115E+08	1,109067E+08	2,280018E+08	4,654138E+08	7,789104E+08	1,084476E+09	1,280848E+09	1,280846E+09	1,084484E+09	7,789368E+08
-1341	4,654427E+08	2,280210E+08	1,109217E+08	1,109272E+08	2,280336E+08	4,654501E+08	7,789422E+08	1,084492E+09	1,280840E+09	1,280819E+09	1,084437E+09	7,788791E+08
-1340	4,654079E+08	2,280191E+08	1,109327E+08	1,109335E+08	2,280231E+08	4,654155E+08	7,788842E+08	1,084423E+09	1,280784E+09	1,280800E+09	1,084461E+09	7,789287E+08
-1339	4,654611E+08	2,280599E+08	1,109574E+08	1,109546E+08	2,280509E+08	4,654470E+08	7,789025E+08	1,084412E+09	1,280747E+09	1,280763E+09	1,084444E+09	7,789193E+08
-1338	4,654450E+08	2,280484E+08	1,109599E+08	1,109663E+08	2,280657E+08	4,654627E+08	7,789230E+08	1,084433E+09	1,280750E+09	1,280732E+09	1,084391E+09	7,788814E+08
-1337	4,654373E+08	2,280578E+08	1,109693E+08	1,109656E+08	2,280511E+08	4,654328E+08	7,788771E+08	1,084380E+09	1,280710E+09	1,280722E+09	1,084410E+09	7,789200E+08
-1336	4,654799E+08	2,280839E+08	1,109814E+08	1,109805E+08	2,280775E+08	4,654689E+08	7,789174E+08	1,084414E+09	1,280725E+09	1,280714E+09	1,084384E+09	7,788765E+08
-1335	4,654337E+08	2,280573E+08	1,109723E+08	1,109751E+08	2,280649E+08	4,654485E+08	7,789025E+08	1,084418E+09	1,280744E+09	1,280730E+09	1,084392E+09	7,788867E+08
-1334	4,654459E+08	2,280673E+08	1,109748E+08	1,109691E+08	2,280544E+08	4,654334E+08	7,788788E+08	1,084395E+09	1,280743E+09	1,280756E+09	1,084432E+09	7,789212E+08
-1333	4,654627E+08	2,280615E+08	1,109645E+08	1,109685E+08	2,280714E+08	4,654728E+08	7,789340E+08	1,084444E+09	1,280770E+09	1,280763E+09	1,084415E+09	7,788772E+08
-1332	4,654147E+08	2,280311E+08	1,109452E+08	1,109455E+08	2,280343E+08	4,654276E+08	7,788974E+08	1,084429E+09	1,280776E+09	1,280784E+09	1,084450E+09	7,789236E+08
-1331	4,654528E+08	2,280485E+08	1,109438E+08	1,109373E+08	2,280295E+08	4,654304E+08	7,789062E+08	1,084443E+09	1,280795E+09	1,280805E+09	1,084469E+09	7,789325E+08
-1330	4,654425E+08	2,280264E+08	1,109280E+08	1,109310E+08	2,280318E+08	4,654428E+08	7,789344E+08	1,084489E+09	1,280842E+09	1,280823E+09	1,084442E+09	7,788879E+08
-1329	4,654118E+08	2,280115E+08	1,109171E+08	1,109132E+08	2,280030E+08	4,654052E+08	7,788881E+08	1,084444E+09	1,280821E+09	1,280838E+09	1,084484E+09	7,789334E+08
-1328	4,654496E+08	2,280327E+08	1,109236E+08	1,109208E+08	2,280230E+08	4,654383E+08	7,789255E+08	1,084470E+09	1,280828E+09	1,280834E+09	1,084478E+09	7,789139E+08
-1327	4,654126E+08	2,280026E+08	1,109105E+08	1,109156E+08	2,280173E+08	4,654342E+08	7,789330E+08	1,084489E+09	1,280843E+09	1,280829E+09	1,084458E+09	7,789039E+08
-1326	4,654155E+08	2,280098E+08	1,109152E+08	1,109125E+08	2,280059E+08	4,654125E+08	7,789006E+08	1,084457E+09	1,280826E+09	1,280832E+09	1,084479E+09	7,789354E+08
-1325	4,654499E+08	2,280285E+08	1,109234E+08	1,109264E+08	2,280341E+08	4,654550E+08	7,789464E+08	1,084487E+09	1,280827E+09	1,280812E+09	1,084444E+09	7,788863E+08
-1324	4,654066E+08	2,280119E+08	1,109240E+08	1,109269E+08	2,280201E+08	4,654226E+08	7,789075E+08	1,084455E+09	1,280805E+09	1,280795E+09	1,084440E+09	7,789077E+08
-1323	4,654428E+08	2,280483E+08	1,109494E+08	1,109440E+08	2,280329E+08	4,654225E+08	7,788846E+08	1,084414E+09	1,280767E+09	1,280780E+09	1,084451E+09	7,789278E+08
-1322	4,654576E+08	2,280549E+08	1,109607E+08	1,109662E+08	2,280671E+08	4,654621E+08	7,789174E+08	1,084428E+09	1,280755E+09	1,280744E+09	1,084398E+09	7,788748E+08
-1321	4,654273E+08	2,280524E+08	1,109699E+08	1,109710E+08	2,280583E+08	4,654371E+08	7,788732E+08	1,084366E+09	1,280689E+09	1,280703E+09	1,084399E+09	7,789105E+08
-1320	4,654777E+08	2,280945E+08	1,109955E+08	1,109923E+08	2,280837E+08	4,654635E+08	7,788936E+08	1,084369E+09	1,280667E+09	1,280672E+09	1,084378E+09	7,788969E+08
-1319	4,654594E+08	2,280815E+08	1,109964E+08	1,110021E+08	2,280953E+08	4,654732E+08	7,789077E+08	1,084390E+09	1,280681E+09	1,280654E+09	1,084334E+09	7,788606E+08
-1318	4,654500E+08	2,280896E+08	1,110055E+08	1,110016E+08	2,280806E+08	4,654412E+08	7,788612E+08	1,084348E+09	1,280664E+09	1,280667E+09	1,084364E+09	7,788957E+08
-1317	4,654847E+08	2,281106E+08	1,110139E+08	1,110136E+08	2,281073E+08	4,654825E+08	7,789045E+08	1,084376E+09	1,280674E+09	1,280669E+09	1,084355E+09	7,788632E+08
-1316	4,654383E+08	2,280799E+08	1,110020E+08	1,110058E+08	2,280923E+08	4,654613E+08	7,788889E+08	1,084374E+09	1,280681E+09	1,280673E+09	1,084360E+09	7,788798E+08
-1315	4,654579E+08	2,280914E+08	1,110024E+08	1,109970E+08	2,280788E+08	4,654450E+08	7,788692E+08	1,084356E+09	1,280680E+09	1,280701E+09	1,084405E+09	7,789178E+08
-1314	4,654759E+08	2,280858E+08	1,109913E+08	1,109947E+08	2,280925E+08	4,654792E+08	7,789200E+08	1,084410E+09	1,280718E+09	1,280709E+09	1,084383E+09	7,788747E+08
-1313	4,654316E+08	2,280573E+08	1,109720E+08	1,109711E+08	2,280566E+08	4,654384E+08	7,788851E+08	1,084390E+09	1,280716E+09	1,280719E+09	1,084402E+09	7,789052E+08
-1312	4,654639E+08	2,280766E+08	1,109747E+08	1,109671E+08	2,280535E+08	4,654370E+08	7,788886E+08	1,084401E+09	1,280736E+09	1,280744E+09	1,084423E+09	7,789136E+08
-1311	4,654509E+08	2,280524E+08	1,109589E+08	1,109627E+08	2,280597E+08	4,654519E+08	7,789134E+08	1,084438E+09	1,280774E+09	1,280759E+09	1,084403E+09	7,788754E+08
-1310	4,654212E+08	2,280367E+08	1,109480E+08	1,109460E+08	2,280334E+08	4,654197E+08	7,788770E+08	1,084407E+09	1,280763E+09	1,280775E+09	1,084440E+09	7,789153E+08
-1309	4,654544E+08	2,280549E+08	1,109519E+08	1,109508E+08	2,280515E+08	4,654564E+08	7,789227E+08	1,084437E+09	1,280767E+09	1,280769E+09	1,084436E+09	7,789004E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1308	4,654211E+08	2,280264E+08	1,109394E+08	1,109450E+08	2,280426E+08	4,654453E+08	7,789231E+08	1,084453E+09	1,280779E+09	1,280756E+09	1,084408E+09	7,788893E+08
-1307	4,654304E+08	2,280400E+08	1,109475E+08	1,109436E+08	2,280304E+08	4,654191E+08	7,788837E+08	1,084415E+09	1,280763E+09	1,280771E+09	1,084439E+09	7,789225E+08
-1306	4,654639E+08	2,280612E+08	1,109598E+08	1,109613E+08	2,280613E+08	4,654596E+08	7,789208E+08	1,084436E+09	1,280764E+09	1,280754E+09	1,084408E+09	7,788787E+08
-1305	4,654239E+08	2,280459E+08	1,109619E+08	1,109647E+08	2,280546E+08	4,654389E+08	7,788862E+08	1,084393E+09	1,280720E+09	1,280717E+09	1,084390E+09	7,788903E+08
-1304	4,654567E+08	2,280835E+08	1,109899E+08	1,109848E+08	2,280694E+08	4,654407E+08	7,788695E+08	1,084358E+09	1,280681E+09	1,280696E+09	1,084397E+09	7,789129E+08
-1303	4,654725E+08	2,280876E+08	1,109990E+08	1,110054E+08	2,281023E+08	4,654790E+08	7,789038E+08	1,084377E+09	1,280670E+09	1,280656E+09	1,084341E+09	7,788606E+08
-1302	4,654440E+08	2,280853E+08	1,110070E+08	1,110087E+08	2,280913E+08	4,654518E+08	7,788648E+08	1,084335E+09	1,280629E+09	1,280626E+09	1,084338E+09	7,788849E+08
-1301	4,654864E+08	2,281245E+08	1,110303E+08	1,110270E+08	2,281138E+08	4,654779E+08	7,788850E+08	1,084335E+09	1,280613E+09	1,280611E+09	1,084330E+09	7,788755E+08
-1300	4,654662E+08	2,281096E+08	1,110309E+08	1,110364E+08	2,281234E+08	4,654813E+08	7,788883E+08	1,084345E+09	1,280618E+09	1,280593E+09	1,084292E+09	7,788439E+08
-1299	4,654599E+08	2,281183E+08	1,110392E+08	1,110355E+08	2,281101E+08	4,654520E+08	7,788415E+08	1,084297E+09	1,280599E+09	1,280617E+09	1,084339E+09	7,788885E+08
-1298	4,654948E+08	2,281372E+08	1,110460E+08	1,110458E+08	2,281354E+08	4,654944E+08	7,788873E+08	1,084327E+09	1,280608E+09	1,280614E+09	1,084329E+09	7,788649E+08
-1297	4,654552E+08	2,281059E+08	1,110306E+08	1,110345E+08	2,281192E+08	4,654772E+08	7,788783E+08	1,084328E+09	1,280606E+09	1,280599E+09	1,084314E+09	7,788686E+08
-1296	4,654731E+08	2,281196E+08	1,110323E+08	1,110257E+08	2,281024E+08	4,654539E+08	7,788572E+08	1,084319E+09	1,280618E+09	1,280630E+09	1,084354E+09	7,789036E+08
-1295	4,654902E+08	2,281131E+08	1,110207E+08	1,110227E+08	2,281143E+08	4,654823E+08	7,788990E+08	1,084367E+09	1,280657E+09	1,280645E+09	1,084335E+09	7,788588E+08
-1294	4,654434E+08	2,280842E+08	1,110022E+08	1,110012E+08	2,280815E+08	4,654445E+08	7,788692E+08	1,084359E+09	1,280668E+09	1,280664E+09	1,084356E+09	7,788818E+08
-1293	4,654666E+08	2,280989E+08	1,110029E+08	1,109967E+08	2,280819E+08	4,654529E+08	7,788794E+08	1,084364E+09	1,280682E+09	1,280692E+09	1,084388E+09	7,788984E+08
-1292	4,654536E+08	2,280724E+08	1,109862E+08	1,109913E+08	2,280865E+08	4,654672E+08	7,789051E+08	1,084398E+09	1,280709E+09	1,280695E+09	1,084363E+09	7,788641E+08
-1291	4,654311E+08	2,280598E+08	1,109754E+08	1,109742E+08	2,280593E+08	4,654342E+08	7,788714E+08	1,084372E+09	1,280704E+09	1,280720E+09	1,084406E+09	7,789059E+08
-1290	4,654657E+08	2,280805E+08	1,109811E+08	1,109792E+08	2,280749E+08	4,654649E+08	7,789101E+08	1,084404E+09	1,280716E+09	1,280715E+09	1,084398E+09	7,788932E+08
-1289	4,654383E+08	2,280564E+08	1,109712E+08	1,109754E+08	2,280685E+08	4,654557E+08	7,789062E+08	1,084409E+09	1,280716E+09	1,280689E+09	1,084357E+09	7,788702E+08
-1288	4,654442E+08	2,280742E+08	1,109856E+08	1,109804E+08	2,280600E+08	4,654260E+08	7,788598E+08	1,084363E+09	1,280693E+09	1,280703E+09	1,084391E+09	7,789076E+08
-1287	4,654781E+08	2,280942E+08	1,109988E+08	1,110007E+08	2,280952E+08	4,654696E+08	7,788925E+08	1,084371E+09	1,280679E+09	1,280678E+09	1,084363E+09	7,788689E+08
-1286	4,654404E+08	2,280795E+08	1,110015E+08	1,110054E+08	2,280913E+08	4,654561E+08	7,788718E+08	1,084343E+09	1,280639E+09	1,280635E+09	1,084336E+09	7,788722E+08
-1285	4,654681E+08	2,281141E+08	1,110265E+08	1,110225E+08	2,281047E+08	4,654617E+08	7,788626E+08	1,084313E+09	1,280601E+09	1,280613E+09	1,084342E+09	7,788951E+08
-1284	4,654841E+08	2,281183E+08	1,110350E+08	1,110412E+08	2,281331E+08	4,654927E+08	7,788905E+08	1,084331E+09	1,280594E+09	1,280571E+09	1,084281E+09	7,788406E+08
-1283	4,654591E+08	2,281192E+08	1,110441E+08	1,110446E+08	2,281212E+08	4,654628E+08	7,788481E+08	1,084288E+09	1,280564E+09	1,280564E+09	1,084293E+09	7,788657E+08
-1282	4,654966E+08	2,281559E+08	1,110673E+08	1,110630E+08	2,281437E+08	4,654871E+08	7,788645E+08	1,084290E+09	1,280555E+09	1,280557E+09	1,084294E+09	7,788652E+08
-1281	4,654804E+08	2,281402E+08	1,110660E+08	1,110717E+08	2,281567E+08	4,654994E+08	7,788732E+08	1,084294E+09	1,280546E+09	1,280527E+09	1,084250E+09	7,788304E+08
-1280	4,654719E+08	2,281479E+08	1,110739E+08	1,110702E+08	2,281407E+08	4,654676E+08	7,788311E+08	1,084253E+09	1,280529E+09	1,280548E+09	1,084297E+09	7,788800E+08
-1279	4,655086E+08	2,281631E+08	1,110767E+08	1,110768E+08	2,281621E+08	4,655054E+08	7,788743E+08	1,084286E+09	1,280542E+09	1,280545E+09	1,084287E+09	7,788578E+08
-1278	4,654721E+08	2,281331E+08	1,110601E+08	1,110634E+08	2,281429E+08	4,654855E+08	7,788689E+08	1,084301E+09	1,280558E+09	1,280539E+09	1,084265E+09	7,788477E+08
-1277	4,654803E+08	2,281432E+08	1,110594E+08	1,110524E+08	2,281249E+08	4,654626E+08	7,788450E+08	1,084286E+09	1,280570E+09	1,280580E+09	1,084314E+09	7,788845E+08
-1276	4,654947E+08	2,281354E+08	1,110483E+08	1,110500E+08	2,281367E+08	4,654873E+08	7,788779E+08	1,084322E+09	1,280599E+09	1,280590E+09	1,084298E+09	7,788436E+08
-1275	4,654516E+08	2,281076E+08	1,110301E+08	1,110296E+08	2,281075E+08	4,654557E+08	7,788519E+08	1,084310E+09	1,280608E+09	1,280616E+09	1,084329E+09	7,788717E+08
-1274	4,654733E+08	2,281206E+08	1,110305E+08	1,110248E+08	2,281074E+08	4,654663E+08	7,788693E+08	1,084324E+09	1,280621E+09	1,280636E+09	1,084356E+09	7,788945E+08
-1273	4,654685E+08	2,280969E+08	1,110134E+08	1,110187E+08	2,281125E+08	4,654836E+08	7,788984E+08	1,084359E+09	1,280640E+09	1,280622E+09	1,084314E+09	7,788493E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,654452E+08	2,280889E+08	1,110070E+08	1,110044E+08	2,280837E+08	4,654434E+08	7,788601E+08	1,084337E+09	1,280645E+09	1,280650E+09	1,084354E+09	7,788907E+08
-1271	4,654802E+08	2,281102E+08	1,110148E+08	1,110116E+08	2,281002E+08	4,654695E+08	7,788871E+08	1,084357E+09	1,280654E+09	1,280652E+09	1,084353E+09	7,788792E+08
-1270	4,654539E+08	2,280888E+08	1,110079E+08	1,110119E+08	2,280988E+08	4,654645E+08	7,788868E+08	1,084366E+09	1,280655E+09	1,280629E+09	1,084311E+09	7,788483E+08
-1269	4,654517E+08	2,281033E+08	1,110218E+08	1,110181E+08	2,280955E+08	4,654451E+08	7,788457E+08	1,084312E+09	1,280621E+09	1,280636E+09	1,084350E+09	7,788932E+08
-1268	4,654869E+08	2,281224E+08	1,110346E+08	1,110375E+08	2,281287E+08	4,654867E+08	7,788788E+08	1,084318E+09	1,280595E+09	1,280596E+09	1,084313E+09	7,788560E+08
-1267	4,654556E+08	2,281103E+08	1,110371E+08	1,110420E+08	2,281249E+08	4,654743E+08	7,788622E+08	1,084296E+09	1,280564E+09	1,280561E+09	1,084288E+09	7,788572E+08
-1266	4,654823E+08	2,281458E+08	1,110626E+08	1,110578E+08	2,281348E+08	4,654755E+08	7,788511E+08	1,084273E+09	1,280537E+09	1,280543E+09	1,084292E+09	7,788806E+08
-1265	4,655014E+08	2,281520E+08	1,110716E+08	1,110767E+08	2,281639E+08	4,655060E+08	7,788737E+08	1,084282E+09	1,280521E+09	1,280497E+09	1,084225E+09	7,788179E+08
-1264	4,654719E+08	2,281543E+08	1,110841E+08	1,110835E+08	2,281533E+08	4,654733E+08	7,788276E+08	1,084239E+09	1,280496E+09	1,280496E+09	1,084246E+09	7,788509E+08
-1263	4,655090E+08	2,281864E+08	1,111048E+08	1,111009E+08	2,281765E+08	4,654987E+08	7,788407E+08	1,084232E+09	1,280479E+09	1,280489E+09	1,084254E+09	7,788566E+08
-1262	4,654963E+08	2,281703E+08	1,111012E+08	1,111074E+08	2,281876E+08	4,655138E+08	7,788631E+08	1,084253E+09	1,280477E+09	1,280457E+09	1,084204E+09	7,788152E+08
-1261	4,654826E+08	2,281738E+08	1,111045E+08	1,111015E+08	2,281690E+08	4,654830E+08	7,788241E+08	1,084217E+09	1,280465E+09	1,280480E+09	1,084252E+09	7,788662E+08
-1260	4,655193E+08	2,281884E+08	1,111056E+08	1,111043E+08	2,281834E+08	4,655103E+08	7,788567E+08	1,084244E+09	1,280479E+09	1,280477E+09	1,084239E+09	7,788420E+08
-1259	4,654854E+08	2,281607E+08	1,110897E+08	1,110917E+08	2,281656E+08	4,654910E+08	7,788487E+08	1,084255E+09	1,280502E+09	1,280491E+09	1,084230E+09	7,788313E+08
-1258	4,654886E+08	2,281684E+08	1,110889E+08	1,110811E+08	2,281490E+08	4,654702E+08	7,788260E+08	1,084242E+09	1,280516E+09	1,280533E+09	1,084283E+09	7,788739E+08
-1257	4,655056E+08	2,281599E+08	1,110764E+08	1,110788E+08	2,281649E+08	4,655042E+08	7,788657E+08	1,084275E+09	1,280531E+09	1,280527E+09	1,084258E+09	7,788293E+08
-1256	4,654610E+08	2,281327E+08	1,110600E+08	1,110598E+08	2,281350E+08	4,654721E+08	7,788475E+08	1,084276E+09	1,280547E+09	1,280550E+09	1,084286E+09	7,788614E+08
-1255	4,654843E+08	2,281429E+08	1,110585E+08	1,110536E+08	2,281327E+08	4,654782E+08	7,788606E+08	1,084292E+09	1,280565E+09	1,280574E+09	1,084314E+09	7,788832E+08
-1254	4,654834E+08	2,281239E+08	1,110433E+08	1,110480E+08	2,281362E+08	4,654934E+08	7,788930E+08	1,084336E+09	1,280595E+09	1,280566E+09	1,084268E+09	7,788277E+08
-1253	4,654525E+08	2,281144E+08	1,110377E+08	1,110353E+08	2,281097E+08	4,654537E+08	7,788471E+08	1,084301E+09	1,280593E+09	1,280598E+09	1,084316E+09	7,788726E+08
-1252	4,654872E+08	2,281367E+08	1,110477E+08	1,110445E+08	2,281273E+08	4,654758E+08	7,788619E+08	1,084302E+09	1,280584E+09	1,280590E+09	1,084315E+09	7,788671E+08
-1251	4,654674E+08	2,281186E+08	1,110429E+08	1,110479E+08	2,281317E+08	4,654791E+08	7,788648E+08	1,084302E+09	1,280576E+09	1,280567E+09	1,084277E+09	7,788389E+08
-1250	4,654649E+08	2,281326E+08	1,110569E+08	1,110536E+08	2,281275E+08	4,654618E+08	7,788324E+08	1,084259E+09	1,280539E+09	1,280559E+09	1,084305E+09	7,788858E+08
-1249	4,655071E+08	2,281549E+08	1,110697E+08	1,110727E+08	2,281611E+08	4,655045E+08	7,788672E+08	1,084267E+09	1,280508E+09	1,280503E+09	1,084250E+09	7,788366E+08
-1248	4,654736E+08	2,281471E+08	1,110767E+08	1,110797E+08	2,281555E+08	4,654861E+08	7,788479E+08	1,084253E+09	1,280490E+09	1,280474E+09	1,084223E+09	7,788358E+08
-1247	4,654967E+08	2,281795E+08	1,111022E+08	1,110965E+08	2,281659E+08	4,654841E+08	7,788290E+08	1,084223E+09	1,280467E+09	1,280472E+09	1,084239E+09	7,788600E+08
-1246	4,655158E+08	2,281871E+08	1,111120E+08	1,111168E+08	2,281976E+08	4,655197E+08	7,788597E+08	1,084240E+09	1,280456E+09	1,280433E+09	1,084178E+09	7,787947E+08
-1245	4,654782E+08	2,281832E+08	1,111208E+08	1,111216E+08	2,281887E+08	4,654934E+08	7,788179E+08	1,084193E+09	1,280428E+09	1,280434E+09	1,084208E+09	7,788369E+08
-1244	4,655172E+08	2,282126E+08	1,111379E+08	1,111348E+08	2,282060E+08	4,655127E+08	7,788280E+08	1,084185E+09	1,280407E+09	1,280419E+09	1,084212E+09	7,788475E+08
-1243	4,655124E+08	2,281985E+08	1,111325E+08	1,111389E+08	2,282151E+08	4,655257E+08	7,788486E+08	1,084209E+09	1,280416E+09	1,280401E+09	1,084167E+09	7,788041E+08
-1242	4,654963E+08	2,282010E+08	1,111343E+08	1,111300E+08	2,281919E+08	4,654905E+08	7,788093E+08	1,084178E+09	1,280410E+09	1,280424E+09	1,084213E+09	7,788553E+08
-1241	4,655344E+08	2,282163E+08	1,111352E+08	1,111331E+08	2,282075E+08	4,655172E+08	7,788362E+08	1,084196E+09	1,280412E+09	1,280413E+09	1,084194E+09	7,788236E+08
-1240	4,654955E+08	2,281891E+08	1,111222E+08	1,111235E+08	2,281924E+08	4,655000E+08	7,788301E+08	1,084209E+09	1,280437E+09	1,280427E+09	1,084190E+09	7,788185E+08
-1239	4,654969E+08	2,281914E+08	1,111187E+08	1,111121E+08	2,281774E+08	4,654839E+08	7,788114E+08	1,084195E+09	1,280448E+09	1,280472E+09	1,084246E+09	7,788633E+08
-1238	4,655173E+08	2,281843E+08	1,111053E+08	1,111083E+08	2,281914E+08	4,655210E+08	7,788668E+08	1,084248E+09	1,280472E+09	1,280463E+09	1,084213E+09	7,788115E+08
-1237	4,654680E+08	2,281543E+08	1,110864E+08	1,110874E+08	2,281604E+08	4,654881E+08	7,788474E+08	1,084252E+09	1,280497E+09	1,280492E+09	1,084244E+09	7,788447E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,654920E+08	2,281658E+08	1,110854E+08	1,110798E+08	2,281529E+08	4,654830E+08	7,788456E+08	1,084257E+09	1,280513E+09	1,280516E+09	1,084271E+09	7,788676E+08
-1235	4,654956E+08	2,281509E+08	1,110734E+08	1,110776E+08	2,281601E+08	4,654986E+08	7,788707E+08	1,084290E+09	1,280543E+09	1,280524E+09	1,084238E+09	7,788143E+08
-1234	4,654630E+08	2,281419E+08	1,110700E+08	1,110674E+08	2,281373E+08	4,654634E+08	7,788272E+08	1,084251E+09	1,280529E+09	1,280544E+09	1,084286E+09	7,788658E+08
-1233	4,655027E+08	2,281660E+08	1,110809E+08	1,110784E+08	2,281586E+08	4,654908E+08	7,788433E+08	1,084242E+09	1,280497E+09	1,280511E+09	1,084269E+09	7,788549E+08
-1232	4,654830E+08	2,281512E+08	1,110799E+08	1,110848E+08	2,281642E+08	4,654959E+08	7,788542E+08	1,084255E+09	1,280493E+09	1,280479E+09	1,084223E+09	7,788271E+08
-1231	4,654816E+08	2,281639E+08	1,110934E+08	1,110903E+08	2,281592E+08	4,654759E+08	7,788189E+08	1,084213E+09	1,280463E+09	1,280476E+09	1,084246E+09	7,788662E+08
-1230	4,655243E+08	2,281902E+08	1,111082E+08	1,111099E+08	2,281912E+08	4,655178E+08	7,788596E+08	1,084233E+09	1,280443E+09	1,280427E+09	1,084188E+09	7,788072E+08
-1229	4,654817E+08	2,281792E+08	1,111153E+08	1,111188E+08	2,281891E+08	4,655003E+08	7,788346E+08	1,084211E+09	1,280428E+09	1,280410E+09	1,084175E+09	7,788120E+08
-1228	4,655031E+08	2,282092E+08	1,111398E+08	1,111348E+08	2,281983E+08	4,654943E+08	7,788050E+08	1,084167E+09	1,280393E+09	1,280405E+09	1,084198E+09	7,788454E+08
-1227	4,655280E+08	2,282181E+08	1,111493E+08	1,111553E+08	2,282325E+08	4,655358E+08	7,788394E+08	1,084179E+09	1,280380E+09	1,280373E+09	1,084147E+09	7,787873E+08
-1226	4,654926E+08	2,282129E+08	1,111556E+08	1,111566E+08	2,282195E+08	4,655087E+08	7,788056E+08	1,084145E+09	1,280352E+09	1,280363E+09	1,084170E+09	7,788327E+08
-1225	4,655373E+08	2,282436E+08	1,111705E+08	1,111670E+08	2,282338E+08	4,655235E+08	7,788112E+08	1,084135E+09	1,280327E+09	1,280337E+09	1,084159E+09	7,788326E+08
-1224	4,655303E+08	2,282326E+08	1,111678E+08	1,111720E+08	2,282411E+08	4,655331E+08	7,788304E+08	1,084164E+09	1,280348E+09	1,280324E+09	1,084114E+09	7,787885E+08
-1223	4,655096E+08	2,282302E+08	1,111677E+08	1,111628E+08	2,282188E+08	4,654976E+08	7,787877E+08	1,084131E+09	1,280346E+09	1,280361E+09	1,084168E+09	7,788367E+08
-1222	4,655452E+08	2,282448E+08	1,111679E+08	1,111657E+08	2,282359E+08	4,655317E+08	7,788292E+08	1,084161E+09	1,280352E+09	1,280353E+09	1,084151E+09	7,788020E+08
-1221	4,654980E+08	2,282108E+08	1,111509E+08	1,111545E+08	2,282227E+08	4,655210E+08	7,788306E+08	1,084180E+09	1,280382E+09	1,280371E+09	1,084154E+09	7,788024E+08
-1220	4,654997E+08	2,282097E+08	1,111436E+08	1,111387E+08	2,282016E+08	4,654978E+08	7,788082E+08	1,084167E+09	1,280395E+09	1,280414E+09	1,084209E+09	7,788516E+08
-1219	4,655275E+08	2,282064E+08	1,111304E+08	1,111340E+08	2,282142E+08	4,655320E+08	7,788580E+08	1,084218E+09	1,280431E+09	1,280423E+09	1,084183E+09	7,788009E+08
-1218	4,654786E+08	2,281777E+08	1,111121E+08	1,111120E+08	2,281794E+08	4,654930E+08	7,788341E+08	1,084222E+09	1,280454E+09	1,280449E+09	1,084214E+09	7,788362E+08
-1217	4,655062E+08	2,281924E+08	1,111139E+08	1,111076E+08	2,281749E+08	4,654850E+08	7,788198E+08	1,084207E+09	1,280449E+09	1,280459E+09	1,084234E+09	7,788552E+08
-1216	4,655094E+08	2,281820E+08	1,111076E+08	1,111109E+08	2,281874E+08	4,655048E+08	7,788445E+08	1,084233E+09	1,280467E+09	1,280453E+09	1,084198E+09	7,788070E+08
-1215	4,654763E+08	2,281701E+08	1,111043E+08	1,111027E+08	2,281687E+08	4,654766E+08	7,788070E+08	1,084192E+09	1,280443E+09	1,280465E+09	1,084240E+09	7,788556E+08
-1214	4,655199E+08	2,281981E+08	1,111167E+08	1,111144E+08	2,281899E+08	4,655089E+08	7,788399E+08	1,084201E+09	1,280415E+09	1,280423E+09	1,084210E+09	7,788334E+08
-1213	4,654940E+08	2,281814E+08	1,111154E+08	1,111212E+08	2,281971E+08	4,655143E+08	7,788496E+08	1,084218E+09	1,280423E+09	1,280397E+09	1,084163E+09	7,788016E+08
-1212	4,654906E+08	2,281947E+08	1,111294E+08	1,111259E+08	2,281884E+08	4,654859E+08	7,788024E+08	1,084170E+09	1,280397E+09	1,280402E+09	1,084189E+09	7,788416E+08
-1211	4,655352E+08	2,282234E+08	1,111466E+08	1,111485E+08	2,282243E+08	4,655292E+08	7,788365E+08	1,084180E+09	1,280382E+09	1,280374E+09	1,084148E+09	7,787887E+08
-1210	4,654917E+08	2,282106E+08	1,111531E+08	1,111571E+08	2,282231E+08	4,655155E+08	7,788177E+08	1,084161E+09	1,280360E+09	1,280350E+09	1,084141E+09	7,788035E+08
-1209	4,655181E+08	2,282403E+08	1,111760E+08	1,111724E+08	2,282326E+08	4,655103E+08	7,787882E+08	1,084110E+09	1,280308E+09	1,280327E+09	1,084154E+09	7,788364E+08
-1208	4,655452E+08	2,282518E+08	1,111870E+08	1,111927E+08	2,282647E+08	4,655507E+08	7,788273E+08	1,084133E+09	1,280301E+09	1,280288E+09	1,084098E+09	7,787809E+08
-1207	4,655108E+08	2,282443E+08	1,111908E+08	1,111916E+08	2,282491E+08	4,655207E+08	7,787905E+08	1,084100E+09	1,280280E+09	1,280287E+09	1,084118E+09	7,788185E+08
-1206	4,655551E+08	2,282771E+08	1,112058E+08	1,112005E+08	2,282601E+08	4,655339E+08	7,788018E+08	1,084098E+09	1,280263E+09	1,280266E+09	1,084104E+09	7,788072E+08
-1205	4,655369E+08	2,282607E+08	1,112015E+08	1,112062E+08	2,282710E+08	4,655455E+08	7,788171E+08	1,084125E+09	1,280289E+09	1,280265E+09	1,084070E+09	7,787661E+08
-1204	4,655134E+08	2,282542E+08	1,111981E+08	1,111942E+08	2,282467E+08	4,655086E+08	7,787697E+08	1,084084E+09	1,280283E+09	1,280301E+09	1,084129E+09	7,788210E+08
-1203	4,655518E+08	2,282678E+08	1,111963E+08	1,111957E+08	2,282643E+08	4,655472E+08	7,788171E+08	1,084118E+09	1,280297E+09	1,280305E+09	1,084121E+09	7,787936E+08
-1202	4,655078E+08	2,282327E+08	1,111766E+08	1,111805E+08	2,282460E+08	4,655341E+08	7,788272E+08	1,084153E+09	1,280332E+09	1,280318E+09	1,084122E+09	7,787979E+08
-1201	4,655148E+08	2,282334E+08	1,111684E+08	1,111632E+08	2,282212E+08	4,655025E+08	7,787934E+08	1,084131E+09	1,280337E+09	1,280351E+09	1,084166E+09	7,788396E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,655417E+08	2,282355E+08	1,111605E+08	1,111616E+08	2,282341E+08	4,655336E+08	7,788375E+08	1,084178E+09	1,280374E+09	1,280361E+09	1,084145E+09	7,787920E+08
-1199	4,654916E+08	2,282055E+08	1,111437E+08	1,111428E+08	2,282041E+08	4,654971E+08	7,788081E+08	1,084170E+09	1,280391E+09	1,280392E+09	1,084177E+09	7,788236E+08
-1198	4,655193E+08	2,282224E+08	1,111475E+08	1,111408E+08	2,282032E+08	4,654976E+08	7,788063E+08	1,084159E+09	1,280377E+09	1,280391E+09	1,084191E+09	7,788373E+08
-1197	4,655163E+08	2,282084E+08	1,111407E+08	1,111461E+08	2,282211E+08	4,655254E+08	7,788387E+08	1,084191E+09	1,280395E+09	1,280379E+09	1,084152E+09	7,787902E+08
-1196	4,654847E+08	2,281958E+08	1,111359E+08	1,111359E+08	2,281991E+08	4,654925E+08	7,787985E+08	1,084152E+09	1,280372E+09	1,280386E+09	1,084185E+09	7,788369E+08
-1195	4,655315E+08	2,282272E+08	1,111501E+08	1,111485E+08	2,282207E+08	4,655241E+08	7,788283E+08	1,084163E+09	1,280358E+09	1,280361E+09	1,084161E+09	7,788143E+08
-1194	4,655052E+08	2,282116E+08	1,111500E+08	1,111552E+08	2,282257E+08	4,655261E+08	7,788378E+08	1,084181E+09	1,280366E+09	1,280337E+09	1,084119E+09	7,787854E+08
-1193	4,655032E+08	2,282258E+08	1,111654E+08	1,111625E+08	2,282193E+08	4,654941E+08	7,787784E+08	1,084115E+09	1,280323E+09	1,280334E+09	1,084145E+09	7,788258E+08
-1192	4,655478E+08	2,282580E+08	1,111867E+08	1,111884E+08	2,282589E+08	4,655423E+08	7,788141E+08	1,084121E+09	1,280299E+09	1,280297E+09	1,084108E+09	7,787836E+08
-1191	4,655078E+08	2,282431E+08	1,111920E+08	1,111967E+08	2,282583E+08	4,655315E+08	7,787990E+08	1,084102E+09	1,280274E+09	1,280270E+09	1,084096E+09	7,787959E+08
-1190	4,655389E+08	2,282757E+08	1,112143E+08	1,112099E+08	2,282643E+08	4,655269E+08	7,787819E+08	1,084066E+09	1,280227E+09	1,280240E+09	1,084097E+09	7,788183E+08
-1189	4,655595E+08	2,282847E+08	1,112238E+08	1,112293E+08	2,282963E+08	4,655650E+08	7,788170E+08	1,084094E+09	1,280232E+09	1,280209E+09	1,084040E+09	7,787583E+08
-1188	4,655218E+08	2,282751E+08	1,112256E+08	1,112256E+08	2,282766E+08	4,655282E+08	7,787709E+08	1,084054E+09	1,280214E+09	1,280216E+09	1,084064E+09	7,787958E+08
-1187	4,655648E+08	2,283069E+08	1,112403E+08	1,112352E+08	2,282905E+08	4,655448E+08	7,787800E+08	1,084050E+09	1,280207E+09	1,280217E+09	1,084067E+09	7,787903E+08
-1186	4,655441E+08	2,282862E+08	1,112324E+08	1,112374E+08	2,282998E+08	4,655606E+08	7,788063E+08	1,084084E+09	1,280231E+09	1,280213E+09	1,084040E+09	7,787573E+08
-1185	4,655232E+08	2,282773E+08	1,112257E+08	1,112232E+08	2,282735E+08	4,655219E+08	7,787594E+08	1,084044E+09	1,280218E+09	1,280239E+09	1,084092E+09	7,788118E+08
-1184	4,655633E+08	2,282934E+08	1,112250E+08	1,112238E+08	2,282883E+08	4,655580E+08	7,788083E+08	1,084086E+09	1,280239E+09	1,280240E+09	1,084083E+09	7,787886E+08
-1183	4,655217E+08	2,282575E+08	1,112041E+08	1,112071E+08	2,282673E+08	4,655403E+08	7,788125E+08	1,084119E+09	1,280282E+09	1,280264E+09	1,084083E+09	7,787869E+08
-1182	4,655292E+08	2,282614E+08	1,111980E+08	1,111906E+08	2,282417E+08	4,655082E+08	7,787818E+08	1,084097E+09	1,280284E+09	1,280295E+09	1,084124E+09	7,788206E+08
-1181	4,655478E+08	2,282605E+08	1,111911E+08	1,111926E+08	2,282606E+08	4,655416E+08	7,788188E+08	1,084135E+09	1,280316E+09	1,280306E+09	1,084107E+09	7,787751E+08
-1180	4,654974E+08	2,282293E+08	1,111735E+08	1,111740E+08	2,282324E+08	4,655083E+08	7,787878E+08	1,084116E+09	1,280318E+09	1,280325E+09	1,084136E+09	7,788108E+08
-1179	4,655289E+08	2,282479E+08	1,111784E+08	1,111735E+08	2,282346E+08	4,655146E+08	7,787915E+08	1,084109E+09	1,280308E+09	1,280327E+09	1,084150E+09	7,788264E+08
-1178	4,655284E+08	2,282344E+08	1,111708E+08	1,111767E+08	2,282494E+08	4,655420E+08	7,788338E+08	1,084156E+09	1,280329E+09	1,280307E+09	1,084104E+09	7,787783E+08
-1177	4,655000E+08	2,282245E+08	1,111674E+08	1,111676E+08	2,282261E+08	4,655020E+08	7,787835E+08	1,084111E+09	1,280304E+09	1,280309E+09	1,084129E+09	7,788167E+08
-1176	4,655442E+08	2,282607E+08	1,111872E+08	1,111839E+08	2,282492E+08	4,655322E+08	7,788094E+08	1,084119E+09	1,280292E+09	1,280288E+09	1,084111E+09	7,787993E+08
-1175	4,655183E+08	2,282445E+08	1,111886E+08	1,111936E+08	2,282584E+08	4,655371E+08	7,788155E+08	1,084129E+09	1,280297E+09	1,280272E+09	1,084076E+09	7,787713E+08
-1174	4,655182E+08	2,282606E+08	1,112052E+08	1,112019E+08	2,282536E+08	4,655123E+08	7,787682E+08	1,084065E+09	1,280243E+09	1,280258E+09	1,084098E+09	7,788096E+08
-1173	4,655581E+08	2,282892E+08	1,112255E+08	1,112287E+08	2,282960E+08	4,655631E+08	7,788063E+08	1,084076E+09	1,280223E+09	1,280218E+09	1,084059E+09	7,787695E+08
-1172	4,655221E+08	2,282746E+08	1,112284E+08	1,112337E+08	2,282909E+08	4,655460E+08	7,787847E+08	1,084055E+09	1,280199E+09	1,280190E+09	1,084041E+09	7,787801E+08
-1171	4,655551E+08	2,283090E+08	1,112508E+08	1,112460E+08	2,282954E+08	4,655384E+08	7,787613E+08	1,084019E+09	1,280167E+09	1,280177E+09	1,084048E+09	7,788008E+08
-1170	4,655731E+08	2,283166E+08	1,112592E+08	1,112633E+08	2,283242E+08	4,655740E+08	7,787994E+08	1,084051E+09	1,280172E+09	1,280149E+09	1,083997E+09	7,787431E+08
-1169	4,655344E+08	2,283049E+08	1,112598E+08	1,112601E+08	2,283054E+08	4,655344E+08	7,787442E+08	1,083998E+09	1,280140E+09	1,280148E+09	1,084020E+09	7,787793E+08
-1168	4,655740E+08	2,283362E+08	1,112751E+08	1,112698E+08	2,283211E+08	4,655580E+08	7,787620E+08	1,083998E+09	1,280130E+09	1,280144E+09	1,084028E+09	7,787841E+08
-1167	4,655566E+08	2,283126E+08	1,112643E+08	1,112698E+08	2,283290E+08	4,655761E+08	7,787955E+08	1,084039E+09	1,280161E+09	1,280146E+09	1,084000E+09	7,787494E+08
-1166	4,655388E+08	2,283050E+08	1,112556E+08	1,112520E+08	2,282977E+08	4,655364E+08	7,787584E+08	1,084013E+09	1,280156E+09	1,280170E+09	1,084044E+09	7,787945E+08
-1165	4,655723E+08	2,283185E+08	1,112543E+08	1,112527E+08	2,283127E+08	4,655686E+08	7,787997E+08	1,084057E+09	1,280190E+09	1,280182E+09	1,084037E+09	7,787699E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,655307E+08	2,282823E+08	1,112323E+08	1,112347E+08	2,282893E+08	4,655440E+08	7,787913E+08	1,084077E+09	1,280230E+09	1,280211E+09	1,084041E+09	7,787694E+08
-1163	4,655374E+08	2,282863E+08	1,112274E+08	1,112208E+08	2,282686E+08	4,655165E+08	7,787578E+08	1,084050E+09	1,280234E+09	1,280251E+09	1,084093E+09	7,788085E+08
-1162	4,655553E+08	2,282833E+08	1,112192E+08	1,112214E+08	2,282874E+08	4,655559E+08	7,788079E+08	1,084094E+09	1,280255E+09	1,280251E+09	1,084075E+09	7,787681E+08
-1161	4,655085E+08	2,282518E+08	1,112010E+08	1,112033E+08	2,282595E+08	4,655219E+08	7,787773E+08	1,084073E+09	1,280246E+09	1,280253E+09	1,084091E+09	7,787987E+08
-1160	4,655413E+08	2,282751E+08	1,112092E+08	1,112041E+08	2,282619E+08	4,655291E+08	7,787843E+08	1,084073E+09	1,280241E+09	1,280251E+09	1,084101E+09	7,788157E+08
-1159	4,655434E+08	2,282637E+08	1,112034E+08	1,112083E+08	2,282761E+08	4,655532E+08	7,788210E+08	1,084118E+09	1,280271E+09	1,280244E+09	1,084055E+09	7,787610E+08
-1158	4,655147E+08	2,282575E+08	1,112034E+08	1,112018E+08	2,282534E+08	4,655132E+08	7,787722E+08	1,084071E+09	1,280242E+09	1,280243E+09	1,084078E+09	7,787933E+08
-1157	4,655513E+08	2,282910E+08	1,112253E+08	1,112228E+08	2,282833E+08	4,655456E+08	7,787907E+08	1,084070E+09	1,280225E+09	1,280223E+09	1,084066E+09	7,787809E+08
-1156	4,655282E+08	2,282747E+08	1,112257E+08	1,112320E+08	2,282928E+08	4,655514E+08	7,787940E+08	1,084070E+09	1,280217E+09	1,280199E+09	1,084032E+09	7,787597E+08
-1155	4,655331E+08	2,282929E+08	1,112432E+08	1,112411E+08	2,282893E+08	4,655292E+08	7,787500E+08	1,084011E+09	1,280168E+09	1,280186E+09	1,084054E+09	7,788007E+08
-1154	4,655758E+08	2,283215E+08	1,112616E+08	1,112641E+08	2,283261E+08	4,655765E+08	7,787936E+08	1,084031E+09	1,280148E+09	1,280141E+09	1,084008E+09	7,787579E+08
-1153	4,655412E+08	2,283084E+08	1,112651E+08	1,112696E+08	2,283198E+08	4,655530E+08	7,787613E+08	1,084001E+09	1,280120E+09	1,280108E+09	1,083983E+09	7,787605E+08
-1152	4,655707E+08	2,283451E+08	1,112902E+08	1,112836E+08	2,283263E+08	4,655474E+08	7,787374E+08	1,083964E+09	1,280087E+09	1,280099E+09	1,083997E+09	7,787843E+08
-1151	4,655860E+08	2,283491E+08	1,112971E+08	1,113009E+08	2,283571E+08	4,655871E+08	7,787779E+08	1,083995E+09	1,280098E+09	1,280081E+09	1,083953E+09	7,787277E+08
-1150	4,655468E+08	2,283358E+08	1,112956E+08	1,112956E+08	2,283379E+08	4,655556E+08	7,787407E+08	1,083955E+09	1,280068E+09	1,280076E+09	1,083973E+09	7,787611E+08
-1149	4,655797E+08	2,283605E+08	1,113075E+08	1,113038E+08	2,283531E+08	4,655783E+08	7,787614E+08	1,083968E+09	1,280071E+09	1,280078E+09	1,083982E+09	7,787674E+08
-1148	4,655664E+08	2,283365E+08	1,112925E+08	1,112986E+08	2,283542E+08	4,655885E+08	7,787878E+08	1,084009E+09	1,280109E+09	1,280087E+09	1,083957E+09	7,787345E+08
-1147	4,655501E+08	2,283300E+08	1,112838E+08	1,112797E+08	2,283208E+08	4,655439E+08	7,787427E+08	1,083982E+09	1,280119E+09	1,280128E+09	1,084009E+09	7,787805E+08
-1146	4,655815E+08	2,283418E+08	1,112812E+08	1,112784E+08	2,283327E+08	4,655727E+08	7,787828E+08	1,084022E+09	1,280145E+09	1,280140E+09	1,084009E+09	7,787601E+08
-1145	4,655411E+08	2,283053E+08	1,112597E+08	1,112626E+08	2,283124E+08	4,655474E+08	7,787640E+08	1,084023E+09	1,280163E+09	1,280154E+09	1,084008E+09	7,787591E+08
-1144	4,655480E+08	2,283115E+08	1,112571E+08	1,112506E+08	2,282956E+08	4,655288E+08	7,787401E+08	1,083997E+09	1,280156E+09	1,280181E+09	1,084057E+09	7,788040E+08
-1143	4,655696E+08	2,283090E+08	1,112490E+08	1,112513E+08	2,283142E+08	4,655699E+08	7,787970E+08	1,084050E+09	1,280183E+09	1,280180E+09	1,084031E+09	7,787588E+08
-1142	4,655259E+08	2,282815E+08	1,112324E+08	1,112331E+08	2,282851E+08	4,655377E+08	7,787756E+08	1,084040E+09	1,280179E+09	1,280175E+09	1,084034E+09	7,787759E+08
-1141	4,655500E+08	2,283031E+08	1,112431E+08	1,112376E+08	2,282903E+08	4,655419E+08	7,787756E+08	1,084041E+09	1,280186E+09	1,280185E+09	1,084045E+09	7,787896E+08
-1140	4,655531E+08	2,282936E+08	1,112381E+08	1,112428E+08	2,283049E+08	4,655622E+08	7,788009E+08	1,084071E+09	1,280210E+09	1,280184E+09	1,084010E+09	7,787405E+08
-1139	4,655243E+08	2,282880E+08	1,112403E+08	1,112395E+08	2,282871E+08	4,655260E+08	7,787490E+08	1,084019E+09	1,280183E+09	1,280190E+09	1,084042E+09	7,787801E+08
-1138	4,655622E+08	2,283197E+08	1,112607E+08	1,112589E+08	2,283159E+08	4,655626E+08	7,787783E+08	1,084022E+09	1,280155E+09	1,280159E+09	1,084031E+09	7,787750E+08
-1137	4,655451E+08	2,283047E+08	1,112613E+08	1,112688E+08	2,283247E+08	4,655639E+08	7,787753E+08	1,084015E+09	1,280133E+09	1,280117E+09	1,083982E+09	7,787486E+08
-1136	4,655516E+08	2,283274E+08	1,112812E+08	1,112783E+08	2,283214E+08	4,655430E+08	7,787338E+08	1,083959E+09	1,280084E+09	1,280099E+09	1,084001E+09	7,787896E+08
-1135	4,655952E+08	2,283573E+08	1,113007E+08	1,113015E+08	2,283566E+08	4,655870E+08	7,787738E+08	1,083980E+09	1,280074E+09	1,280065E+09	1,083955E+09	7,787398E+08
-1134	4,655582E+08	2,283452E+08	1,113052E+08	1,113077E+08	2,283513E+08	4,655668E+08	7,787465E+08	1,083949E+09	1,280041E+09	1,280029E+09	1,083926E+09	7,787343E+08
-1133	4,655773E+08	2,283758E+08	1,113293E+08	1,113238E+08	2,283629E+08	4,655654E+08	7,787228E+08	1,083914E+09	1,280014E+09	1,280026E+09	1,083944E+09	7,787613E+08
-1132	4,655945E+08	2,283773E+08	1,113319E+08	1,113371E+08	2,283905E+08	4,656051E+08	7,787646E+08	1,083944E+09	1,280022E+09	1,280010E+09	1,083908E+09	7,787132E+08
-1131	4,655582E+08	2,283629E+08	1,113280E+08	1,113291E+08	2,283686E+08	4,655719E+08	7,787317E+08	1,083920E+09	1,280013E+09	1,280016E+09	1,083933E+09	7,787495E+08
-1130	4,655916E+08	2,283850E+08	1,113356E+08	1,113315E+08	2,283762E+08	4,655890E+08	7,787555E+08	1,083942E+09	1,280024E+09	1,280024E+09	1,083943E+09	7,787569E+08
-1129	4,655803E+08	2,283618E+08	1,113205E+08	1,113257E+08	2,283740E+08	4,655892E+08	7,787657E+08	1,083968E+09	1,280055E+09	1,280033E+09	1,083918E+09	7,787204E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,655623E+08	2,283575E+08	1,113139E+08	1,113085E+08	2,283437E+08	4,655484E+08	7,787199E+08	1,083933E+09	1,280055E+09	1,280073E+09	1,083978E+09	7,787720E+08
-1127	4,655935E+08	2,283680E+08	1,113112E+08	1,113078E+08	2,283575E+08	4,655807E+08	7,787611E+08	1,083970E+09	1,280079E+09	1,280087E+09	1,083979E+09	7,787518E+08
-1126	4,655540E+08	2,283320E+08	1,112897E+08	1,112921E+08	2,283394E+08	4,655654E+08	7,787590E+08	1,083980E+09	1,280091E+09	1,280084E+09	1,083965E+09	7,787438E+08
-1125	4,655556E+08	2,283348E+08	1,112869E+08	1,112819E+08	2,283252E+08	4,655477E+08	7,787387E+08	1,083966E+09	1,280095E+09	1,280112E+09	1,084005E+09	7,787839E+08
-1124	4,655804E+08	2,283339E+08	1,112774E+08	1,112802E+08	2,283399E+08	4,655830E+08	7,787889E+08	1,084017E+09	1,280128E+09	1,280116E+09	1,083982E+09	7,787398E+08
-1123	4,655370E+08	2,283091E+08	1,112639E+08	1,112645E+08	2,283116E+08	4,655473E+08	7,787620E+08	1,084010E+09	1,280138E+09	1,280127E+09	1,083993E+09	7,787571E+08
-1122	4,655577E+08	2,283284E+08	1,112744E+08	1,112688E+08	2,283158E+08	4,655497E+08	7,787593E+08	1,084003E+09	1,280133E+09	1,280136E+09	1,084011E+09	7,787755E+08
-1121	4,655627E+08	2,283202E+08	1,112715E+08	1,112773E+08	2,283338E+08	4,655696E+08	7,787738E+08	1,084011E+09	1,280133E+09	1,280119E+09	1,083973E+09	7,787306E+08
-1120	4,655382E+08	2,283188E+08	1,112767E+08	1,112764E+08	2,283204E+08	4,655421E+08	7,787305E+08	1,083957E+09	1,280090E+09	1,280110E+09	1,084003E+09	7,787760E+08
-1119	4,655817E+08	2,283526E+08	1,112977E+08	1,112955E+08	2,283471E+08	4,655763E+08	7,787618E+08	1,083967E+09	1,280068E+09	1,280076E+09	1,083981E+09	7,787655E+08
-1118	4,655680E+08	2,283423E+08	1,113003E+08	1,113059E+08	2,283561E+08	4,655802E+08	7,787646E+08	1,083965E+09	1,280047E+09	1,280024E+09	1,083917E+09	7,787255E+08
-1117	4,655660E+08	2,283631E+08	1,113222E+08	1,113187E+08	2,283556E+08	4,655570E+08	7,787184E+08	1,083913E+09	1,280010E+09	1,280016E+09	1,083934E+09	7,787602E+08
-1116	4,656073E+08	2,283917E+08	1,113402E+08	1,113411E+08	2,283904E+08	4,655994E+08	7,787524E+08	1,083925E+09	1,279997E+09	1,279990E+09	1,083901E+09	7,787160E+08
-1115	4,655679E+08	2,283775E+08	1,113443E+08	1,113479E+08	2,283879E+08	4,655841E+08	7,787307E+08	1,083904E+09	1,279978E+09	1,279966E+09	1,083883E+09	7,787161E+08
-1114	4,655844E+08	2,284015E+08	1,113628E+08	1,113586E+08	2,283950E+08	4,655851E+08	7,787195E+08	1,083879E+09	1,279953E+09	1,279965E+09	1,083907E+09	7,787496E+08
-1113	4,656058E+08	2,284028E+08	1,113631E+08	1,113693E+08	2,284181E+08	4,656168E+08	7,787529E+08	1,083904E+09	1,279958E+09	1,279946E+09	1,083867E+09	7,787031E+08
-1112	4,655735E+08	2,283916E+08	1,113592E+08	1,113593E+08	2,283938E+08	4,655821E+08	7,787188E+08	1,083881E+09	1,279952E+09	1,279957E+09	1,083897E+09	7,787414E+08
-1111	4,656078E+08	2,284142E+08	1,113667E+08	1,113605E+08	2,283973E+08	4,655919E+08	7,787348E+08	1,083900E+09	1,279970E+09	1,279974E+09	1,083910E+09	7,787469E+08
-1110	4,655960E+08	2,283922E+08	1,113525E+08	1,113556E+08	2,283977E+08	4,655960E+08	7,787455E+08	1,083919E+09	1,279988E+09	1,279972E+09	1,083879E+09	7,787040E+08
-1109	4,655692E+08	2,283826E+08	1,113457E+08	1,113414E+08	2,283736E+08	4,655617E+08	7,787031E+08	1,083885E+09	1,279986E+09	1,280008E+09	1,083935E+09	7,787559E+08
-1108	4,656030E+08	2,283920E+08	1,113401E+08	1,113382E+08	2,283856E+08	4,655958E+08	7,787487E+08	1,083920E+09	1,280004E+09	1,280017E+09	1,083937E+09	7,787399E+08
-1107	4,655653E+08	2,283567E+08	1,113185E+08	1,113220E+08	2,283667E+08	4,655800E+08	7,787528E+08	1,083949E+09	1,280036E+09	1,280020E+09	1,083920E+09	7,787281E+08
-1106	4,655648E+08	2,283575E+08	1,113136E+08	1,113087E+08	2,283483E+08	4,655600E+08	7,787357E+08	1,083943E+09	1,280049E+09	1,280055E+09	1,083961E+09	7,787659E+08
-1105	4,655899E+08	2,283592E+08	1,113067E+08	1,113091E+08	2,283621E+08	4,655866E+08	7,787688E+08	1,083975E+09	1,280071E+09	1,280058E+09	1,083939E+09	7,787217E+08
-1104	4,655474E+08	2,283373E+08	1,112964E+08	1,112968E+08	2,283390E+08	4,655561E+08	7,787416E+08	1,083960E+09	1,280070E+09	1,280069E+09	1,083960E+09	7,787466E+08
-1103	4,655697E+08	2,283572E+08	1,113083E+08	1,113028E+08	2,283448E+08	4,655610E+08	7,787401E+08	1,083951E+09	1,280063E+09	1,280075E+09	1,083979E+09	7,787690E+08
-1102	4,655790E+08	2,283518E+08	1,113070E+08	1,113123E+08	2,283651E+08	4,655880E+08	7,787646E+08	1,083960E+09	1,280049E+09	1,280037E+09	1,083925E+09	7,787171E+08
-1101	4,655517E+08	2,283497E+08	1,113139E+08	1,113147E+08	2,283552E+08	4,655611E+08	7,787231E+08	1,083915E+09	1,280013E+09	1,280025E+09	1,083942E+09	7,787565E+08
-1100	4,655991E+08	2,283866E+08	1,113346E+08	1,113322E+08	2,283783E+08	4,655890E+08	7,787453E+08	1,083917E+09	1,279992E+09	1,279995E+09	1,083923E+09	7,787444E+08
-1099	4,655831E+08	2,283779E+08	1,113401E+08	1,113451E+08	2,283889E+08	4,655909E+08	7,787458E+08	1,083922E+09	1,279986E+09	1,279955E+09	1,083864E+09	7,787017E+08
-1098	4,655752E+08	2,283940E+08	1,113598E+08	1,113567E+08	2,283883E+08	4,655699E+08	7,787020E+08	1,083868E+09	1,279945E+09	1,279951E+09	1,083889E+09	7,787399E+08
-1097	4,656154E+08	2,284210E+08	1,113771E+08	1,113793E+08	2,284234E+08	4,656113E+08	7,787294E+08	1,083866E+09	1,279917E+09	1,279917E+09	1,083857E+09	7,787027E+08
-1096	4,655807E+08	2,284081E+08	1,113806E+08	1,113850E+08	2,284216E+08	4,656023E+08	7,787192E+08	1,083852E+09	1,279894E+09	1,279891E+09	1,083844E+09	7,787100E+08
-1095	4,656014E+08	2,284320E+08	1,113970E+08	1,113922E+08	2,284227E+08	4,655971E+08	7,787081E+08	1,083838E+09	1,279885E+09	1,279897E+09	1,083866E+09	7,787413E+08
-1094	4,656248E+08	2,284361E+08	1,113973E+08	1,114012E+08	2,284440E+08	4,656283E+08	7,787410E+08	1,083863E+09	1,279891E+09	1,279873E+09	1,083818E+09	7,786863E+08
-1093	4,655862E+08	2,284227E+08	1,113943E+08	1,113935E+08	2,284219E+08	4,655911E+08	7,787013E+08	1,083839E+09	1,279892E+09	1,279893E+09	1,083847E+09	7,787209E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,656192E+08	2,284426E+08	1,113988E+08	1,113925E+08	2,284241E+08	4,655986E+08	7,787099E+08	1,083846E+09	1,279903E+09	1,279915E+09	1,083872E+09	7,787320E+08
-1091	4,656053E+08	2,284188E+08	1,113840E+08	1,113881E+08	2,284274E+08	4,656089E+08	7,787308E+08	1,083878E+09	1,279931E+09	1,279915E+09	1,083843E+09	7,786916E+08
-1090	4,655754E+08	2,284028E+08	1,113718E+08	1,113692E+08	2,284001E+08	4,655786E+08	7,787017E+08	1,083855E+09	1,279929E+09	1,279948E+09	1,083896E+09	7,787429E+08
-1089	4,656101E+08	2,284122E+08	1,113653E+08	1,113646E+08	2,284084E+08	4,656059E+08	7,787399E+08	1,083888E+09	1,279946E+09	1,279952E+09	1,083894E+09	7,787267E+08
-1088	4,655770E+08	2,283816E+08	1,113457E+08	1,113487E+08	2,283900E+08	4,655914E+08	7,787453E+08	1,083917E+09	1,279980E+09	1,279964E+09	1,083883E+09	7,787153E+08
-1087	4,655761E+08	2,283835E+08	1,113425E+08	1,113364E+08	2,283692E+08	4,655642E+08	7,787193E+08	1,083907E+09	1,280000E+09	1,280008E+09	1,083928E+09	7,787529E+08
-1086	4,656014E+08	2,283883E+08	1,113388E+08	1,113402E+08	2,283882E+08	4,655961E+08	7,787495E+08	1,083926E+09	1,280004E+09	1,279996E+09	1,083901E+09	7,787073E+08
-1085	4,655565E+08	2,283654E+08	1,113312E+08	1,113329E+08	2,283717E+08	4,655709E+08	7,787240E+08	1,083908E+09	1,279996E+09	1,279998E+09	1,083914E+09	7,787328E+08
-1084	4,655840E+08	2,283868E+08	1,113424E+08	1,113379E+08	2,283757E+08	4,655744E+08	7,787227E+08	1,083895E+09	1,279979E+09	1,279995E+09	1,083932E+09	7,787587E+08
-1083	4,655964E+08	2,283849E+08	1,113436E+08	1,113491E+08	2,283967E+08	4,656006E+08	7,787517E+08	1,083921E+09	1,279980E+09	1,279957E+09	1,083871E+09	7,787008E+08
-1082	4,655659E+08	2,283813E+08	1,113496E+08	1,113502E+08	2,283852E+08	4,655741E+08	7,787125E+08	1,083877E+09	1,279948E+09	1,279949E+09	1,083885E+09	7,787344E+08
-1081	4,656109E+08	2,284195E+08	1,113728E+08	1,113699E+08	2,284084E+08	4,655959E+08	7,787202E+08	1,083862E+09	1,279916E+09	1,279920E+09	1,083869E+09	7,787233E+08
-1080	4,655956E+08	2,284126E+08	1,113800E+08	1,113852E+08	2,284247E+08	4,656062E+08	7,787256E+08	1,083863E+09	1,279902E+09	1,279884E+09	1,083822E+09	7,786862E+08
-1079	4,655873E+08	2,284268E+08	1,113986E+08	1,113958E+08	2,284228E+08	4,655868E+08	7,786872E+08	1,083816E+09	1,279870E+09	1,279883E+09	1,083850E+09	7,787291E+08
-1078	4,656299E+08	2,284540E+08	1,114148E+08	1,114169E+08	2,284580E+08	4,656323E+08	7,787221E+08	1,083819E+09	1,279838E+09	1,279836E+09	1,083808E+09	7,786893E+08
-1077	4,655946E+08	2,284394E+08	1,114176E+08	1,114227E+08	2,284556E+08	4,656202E+08	7,787125E+08	1,083816E+09	1,279830E+09	1,279816E+09	1,083789E+09	7,786935E+08
-1076	4,656180E+08	2,284637E+08	1,114313E+08	1,114259E+08	2,284502E+08	4,656063E+08	7,786914E+08	1,083795E+09	1,279823E+09	1,279833E+09	1,083821E+09	7,787264E+08
-1075	4,656387E+08	2,284678E+08	1,114322E+08	1,114351E+08	2,284706E+08	4,656330E+08	7,787207E+08	1,083825E+09	1,279838E+09	1,279817E+09	1,083778E+09	7,786698E+08
-1074	4,655936E+08	2,284478E+08	1,114250E+08	1,114248E+08	2,284492E+08	4,656009E+08	7,786841E+08	1,083796E+09	1,279833E+09	1,279838E+09	1,083812E+09	7,787069E+08
-1073	4,656254E+08	2,284654E+08	1,114277E+08	1,114227E+08	2,284506E+08	4,656078E+08	7,786877E+08	1,083790E+09	1,279828E+09	1,279848E+09	1,083834E+09	7,787225E+08
-1072	4,656163E+08	2,284426E+08	1,114116E+08	1,114166E+08	2,284544E+08	4,656246E+08	7,787219E+08	1,083832E+09	1,279855E+09	1,279846E+09	1,083806E+09	7,786839E+08
-1071	4,655890E+08	2,284275E+08	1,113985E+08	1,113953E+08	2,284219E+08	4,655889E+08	7,786951E+08	1,083826E+09	1,279876E+09	1,279887E+09	1,083855E+09	7,787311E+08
-1070	4,656234E+08	2,284397E+08	1,113938E+08	1,113910E+08	2,284303E+08	4,656154E+08	7,787295E+08	1,083855E+09	1,279891E+09	1,279887E+09	1,083845E+09	7,787073E+08
-1069	4,655861E+08	2,284091E+08	1,113774E+08	1,113800E+08	2,284162E+08	4,656003E+08	7,787311E+08	1,083882E+09	1,279930E+09	1,279907E+09	1,083835E+09	7,786950E+08
-1068	4,655855E+08	2,284103E+08	1,113737E+08	1,113680E+08	2,283962E+08	4,655725E+08	7,786978E+08	1,083858E+09	1,279937E+09	1,279953E+09	1,083894E+09	7,787406E+08
-1067	4,656108E+08	2,284158E+08	1,113719E+08	1,113741E+08	2,284182E+08	4,656087E+08	7,787361E+08	1,083887E+09	1,279944E+09	1,279935E+09	1,083864E+09	7,786973E+08
-1066	4,655657E+08	2,283899E+08	1,113620E+08	1,113654E+08	2,284021E+08	4,655883E+08	7,787185E+08	1,083872E+09	1,279932E+09	1,279930E+09	1,083871E+09	7,787208E+08
-1065	4,655961E+08	2,284144E+08	1,113748E+08	1,113710E+08	2,284038E+08	4,655841E+08	7,787047E+08	1,083847E+09	1,279906E+09	1,279919E+09	1,083881E+09	7,787451E+08
-1064	4,656131E+08	2,284180E+08	1,113794E+08	1,113842E+08	2,284270E+08	4,656131E+08	7,787357E+08	1,083871E+09	1,279905E+09	1,279885E+09	1,083824E+09	7,786853E+08
-1063	4,655813E+08	2,284158E+08	1,113879E+08	1,113873E+08	2,284148E+08	4,655824E+08	7,786917E+08	1,083828E+09	1,279879E+09	1,279882E+09	1,083839E+09	7,787167E+08
-1062	4,656232E+08	2,284541E+08	1,114127E+08	1,114095E+08	2,284438E+08	4,656118E+08	7,786996E+08	1,083803E+09	1,279832E+09	1,279839E+09	1,083818E+09	7,787048E+08
-1061	4,656065E+08	2,284459E+08	1,114210E+08	1,114276E+08	2,284643E+08	4,656281E+08	7,787132E+08	1,083809E+09	1,279819E+09	1,279800E+09	1,083766E+09	7,786698E+08
-1060	4,656023E+08	2,284588E+08	1,114359E+08	1,114341E+08	2,284570E+08	4,656041E+08	7,786745E+08	1,083764E+09	1,279787E+09	1,279802E+09	1,083800E+09	7,787170E+08
-1059	4,656464E+08	2,284877E+08	1,114525E+08	1,114542E+08	2,284893E+08	4,656448E+08	7,787121E+08	1,083787E+09	1,279776E+09	1,279762E+09	1,083756E+09	7,786744E+08
-1058	4,656087E+08	2,284701E+08	1,114522E+08	1,114567E+08	2,284836E+08	4,656301E+08	7,786988E+08	1,083780E+09	1,279774E+09	1,279753E+09	1,083741E+09	7,786748E+08
-1057	4,656282E+08	2,284929E+08	1,114653E+08	1,114592E+08	2,284759E+08	4,656085E+08	7,786621E+08	1,083740E+09	1,279755E+09	1,279771E+09	1,083779E+09	7,787115E+08

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												
-1056	4,656504E+08	2,284970E+08	1,114656E+08	1,114683E+08	2,285001E+08	4,656445E+08	7,786994E+08	1,083767E+09	1,279763E+09	1,279757E+09	1,083746E+09	7,786601E+08
-1055	4,656048E+08	2,284742E+08	1,114556E+08	1,114553E+08	2,284758E+08	4,656137E+08	7,786716E+08	1,083752E+09	1,279766E+09	1,279776E+09	1,083776E+09	7,786980E+08
-1054	4,656369E+08	2,284909E+08	1,114565E+08	1,114515E+08	2,284779E+08	4,656251E+08	7,786818E+08	1,083751E+09	1,279759E+09	1,279774E+09	1,083785E+09	7,787089E+08
-1053	4,656279E+08	2,284683E+08	1,114411E+08	1,114462E+08	2,284815E+08	4,656400E+08	7,787177E+08	1,083805E+09	1,279804E+09	1,279781E+09	1,083752E+09	7,786652E+08
-1052	4,656012E+08	2,284533E+08	1,114267E+08	1,114229E+08	2,284442E+08	4,655961E+08	7,786817E+08	1,083793E+09	1,279828E+09	1,279836E+09	1,083815E+09	7,787141E+08
-1051	4,656317E+08	2,284662E+08	1,114248E+08	1,114214E+08	2,284542E+08	4,656197E+08	7,787135E+08	1,083826E+09	1,279849E+09	1,279841E+09	1,083809E+09	7,786916E+08
-1050	4,655912E+08	2,284316E+08	1,114064E+08	1,114101E+08	2,284432E+08	4,656110E+08	7,787152E+08	1,083843E+09	1,279878E+09	1,279858E+09	1,083804E+09	7,786831E+08
-1049	4,655915E+08	2,284330E+08	1,114034E+08	1,113989E+08	2,284233E+08	4,655822E+08	7,786759E+08	1,083801E+09	1,279861E+09	1,279886E+09	1,083858E+09	7,787350E+08
-1048	4,656255E+08	2,284430E+08	1,114031E+08	1,114057E+08	2,284471E+08	4,656234E+08	7,787233E+08	1,083834E+09	1,279862E+09	1,279863E+09	1,083824E+09	7,786907E+08
-1047	4,655839E+08	2,284209E+08	1,113952E+08	1,113975E+08	2,284287E+08	4,655990E+08	7,787054E+08	1,083830E+09	1,279864E+09	1,279857E+09	1,083821E+09	7,787076E+08
-1046	4,656138E+08	2,284492E+08	1,114115E+08	1,114060E+08	2,284340E+08	4,655965E+08	7,786862E+08	1,083797E+09	1,279829E+09	1,279836E+09	1,083820E+09	7,787231E+08
-1045	4,656268E+08	2,284532E+08	1,114199E+08	1,114245E+08	2,284625E+08	4,656277E+08	7,787173E+08	1,083820E+09	1,279832E+09	1,279807E+09	1,083763E+09	7,786617E+08
-1044	4,655940E+08	2,284495E+08	1,114275E+08	1,114276E+08	2,284509E+08	4,655983E+08	7,786728E+08	1,083773E+09	1,279801E+09	1,279809E+09	1,083792E+09	7,786994E+08
-1043	4,656333E+08	2,284863E+08	1,114523E+08	1,114500E+08	2,284798E+08	4,656296E+08	7,786912E+08	1,083764E+09	1,279762E+09	1,279763E+09	1,083768E+09	7,786886E+08
-1042	4,656165E+08	2,284741E+08	1,114565E+08	1,114647E+08	2,284985E+08	4,656482E+08	7,787098E+08	1,083776E+09	1,279757E+09	1,279730E+09	1,083717E+09	7,786543E+08
-1041	4,656142E+08	2,284885E+08	1,114708E+08	1,114690E+08	2,284860E+08	4,656140E+08	7,786568E+08	1,083719E+09	1,279719E+09	1,279732E+09	1,083752E+09	7,787039E+08
-1040	4,656629E+08	2,285204E+08	1,114881E+08	1,114884E+08	2,285173E+08	4,656537E+08	7,786921E+08	1,083735E+09	1,279708E+09	1,279702E+09	1,083717E+09	7,786623E+08
-1039	4,656248E+08	2,285029E+08	1,114880E+08	1,114908E+08	2,285100E+08	4,656347E+08	7,786736E+08	1,083729E+09	1,279710E+09	1,279696E+09	1,083704E+09	7,786636E+08
-1038	4,656419E+08	2,285238E+08	1,115000E+08	1,114936E+08	2,285069E+08	4,656202E+08	7,786362E+08	1,083677E+09	1,279673E+09	1,279696E+09	1,083733E+09	7,786984E+08
-1037	4,656622E+08	2,285256E+08	1,114998E+08	1,115032E+08	2,285327E+08	4,656623E+08	7,786868E+08	1,083716E+09	1,279684E+09	1,279678E+09	1,083693E+09	7,786463E+08
-1036	4,656187E+08	2,285007E+08	1,114860E+08	1,114860E+08	2,285032E+08	4,656282E+08	7,786631E+08	1,083711E+09	1,279696E+09	1,279704E+09	1,083729E+09	7,786833E+08
-1035	4,656479E+08	2,285172E+08	1,114867E+08	1,114810E+08	2,285023E+08	4,656358E+08	7,786787E+08	1,083733E+09	1,279713E+09	1,279712E+09	1,083735E+09	7,786887E+08
-1034	4,656351E+08	2,284917E+08	1,114690E+08	1,114739E+08	2,285052E+08	4,656508E+08	7,787107E+08	1,083781E+09	1,279766E+09	1,279735E+09	1,083712E+09	7,786448E+08
-1033	4,656054E+08	2,284759E+08	1,114549E+08	1,114509E+08	2,284670E+08	4,656005E+08	7,786590E+08	1,083749E+09	1,279775E+09	1,279790E+09	1,083783E+09	7,787013E+08
-1032	4,656401E+08	2,284898E+08	1,114536E+08	1,114507E+08	2,284811E+08	4,656319E+08	7,786961E+08	1,083775E+09	1,279785E+09	1,279794E+09	1,083786E+09	7,786869E+08
-1031	4,656035E+08	2,284561E+08	1,114354E+08	1,114392E+08	2,284684E+08	4,656227E+08	7,787031E+08	1,083801E+09	1,279815E+09	1,279801E+09	1,083773E+09	7,786790E+08
-1030	4,656062E+08	2,284595E+08	1,114334E+08	1,114293E+08	2,284517E+08	4,655971E+08	7,786635E+08	1,083755E+09	1,279786E+09	1,279808E+09	1,083808E+09	7,787239E+08
-1029	4,656426E+08	2,284740E+08	1,114374E+08	1,114394E+08	2,284768E+08	4,656380E+08	7,787126E+08	1,083794E+09	1,279795E+09	1,279784E+09	1,083765E+09	7,786723E+08
-1028	4,656008E+08	2,284535E+08	1,114307E+08	1,114320E+08	2,284568E+08	4,656082E+08	7,786869E+08	1,083782E+09	1,279795E+09	1,279786E+09	1,083768E+09	7,786859E+08
-1027	4,656247E+08	2,284824E+08	1,114506E+08	1,114446E+08	2,284659E+08	4,656067E+08	7,786699E+08	1,083756E+09	1,279765E+09	1,279766E+09	1,083767E+09	7,786998E+08
-1026	4,656343E+08	2,284826E+08	1,114571E+08	1,114634E+08	2,284986E+08	4,656463E+08	7,787027E+08	1,083771E+09	1,279761E+09	1,279738E+09	1,083715E+09	7,786422E+08
-1025	4,656012E+08	2,284780E+08	1,114641E+08	1,114653E+08	2,284844E+08	4,656132E+08	7,786541E+08	1,083715E+09	1,279717E+09	1,279730E+09	1,083745E+09	7,786882E+08
-1024	4,656488E+08	2,285175E+08	1,114890E+08	1,114869E+08	2,285127E+08	4,656465E+08	7,786789E+08	1,083712E+09	1,279682E+09	1,279690E+09	1,083724E+09	7,786794E+08
-1023	4,656365E+08	2,285089E+08	1,114939E+08	1,115002E+08	2,285262E+08	4,656565E+08	7,786927E+08	1,083733E+09	1,279691E+09	1,279662E+09	1,083671E+09	7,786421E+08
-1022	4,656334E+08	2,285250E+08	1,115095E+08	1,115059E+08	2,285166E+08	4,656227E+08	7,786310E+08	1,083661E+09	1,279641E+09	1,279655E+09	1,083699E+09	7,786866E+08
-1021	4,656792E+08	2,285564E+08	1,115287E+08	1,115279E+08	2,285509E+08	4,656652E+08	7,786679E+08	1,083677E+09	1,279630E+09	1,279626E+09	1,083663E+09	7,786442E+08

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°
-1020	4,656390E+08	2,285351E+08	1,115253E+08	1,115282E+08	2,285432E+08	4,656492E+08	7,786534E+08	1,083670E+09	1,279629E+09	1,279624E+09	1,083661E+09	7,786486E+08
-1019	4,656521E+08	2,285523E+08	1,115348E+08	1,115292E+08	2,285390E+08	4,656382E+08	7,786327E+08	1,083644E+09	1,279605E+09	1,279621E+09	1,083683E+09	7,786807E+08
-1018	4,656702E+08	2,285486E+08	1,115289E+08	1,115341E+08	2,285624E+08	4,656823E+08	7,786882E+08	1,083692E+09	1,279633E+09	1,279616E+09	1,083646E+09	7,786273E+08
-1017	4,656253E+08	2,285234E+08	1,115133E+08	1,115133E+08	2,285263E+08	4,656382E+08	7,786534E+08	1,083680E+09	1,279648E+09	1,279650E+09	1,083688E+09	7,786678E+08
-1016	4,656570E+08	2,285407E+08	1,115143E+08	1,115079E+08	2,285246E+08	4,656442E+08	7,786661E+08	1,083696E+09	1,279667E+09	1,279673E+09	1,083707E+09	7,786759E+08
-1015	4,656448E+08	2,285162E+08	1,114973E+08	1,115011E+08	2,285261E+08	4,656544E+08	7,786917E+08	1,083743E+09	1,279720E+09	1,279697E+09	1,083689E+09	7,786376E+08
-1014	4,656162E+08	2,285003E+08	1,114834E+08	1,114800E+08	2,284939E+08	4,656111E+08	7,786364E+08	1,083692E+09	1,279703E+09	1,279728E+09	1,083748E+09	7,786946E+08
-1013	4,656539E+08	2,285159E+08	1,114841E+08	1,114815E+08	2,285088E+08	4,656458E+08	7,786820E+08	1,083725E+09	1,279710E+09	1,279719E+09	1,083740E+09	7,786789E+08
-1012	4,656219E+08	2,284843E+08	1,114661E+08	1,114696E+08	2,284942E+08	4,656336E+08	7,786894E+08	1,083755E+09	1,279740E+09	1,279726E+09	1,083725E+09	7,786666E+08
-1011	4,656224E+08	2,284906E+08	1,114673E+08	1,114620E+08	2,284777E+08	4,656062E+08	7,786540E+08	1,083724E+09	1,279724E+09	1,279731E+09	1,083748E+09	7,787001E+08
-1010	4,656528E+08	2,285032E+08	1,114716E+08	1,114735E+08	2,285060E+08	4,656504E+08	7,786995E+08	1,083756E+09	1,279737E+09	1,279720E+09	1,083712E+09	7,786458E+08
-1009	4,656067E+08	2,284827E+08	1,114667E+08	1,114681E+08	2,284878E+08	4,656190E+08	7,786647E+08	1,083728E+09	1,279723E+09	1,279720E+09	1,083723E+09	7,786662E+08
-1008	4,656330E+08	2,285109E+08	1,114868E+08	1,114819E+08	2,285004E+08	4,656253E+08	7,786553E+08	1,083700E+09	1,279689E+09	1,279704E+09	1,083730E+09	7,786864E+08
-1007	4,656467E+08	2,285127E+08	1,114933E+08	1,114998E+08	2,285304E+08	4,656627E+08	7,786931E+08	1,083728E+09	1,279692E+09	1,279671E+09	1,083676E+09	7,786340E+08
-1006	4,656184E+08	2,285102E+08	1,115005E+08	1,115023E+08	2,285180E+08	4,656292E+08	7,786386E+08	1,083664E+09	1,279638E+09	1,279649E+09	1,083692E+09	7,786757E+08
-1005	4,656689E+08	2,285536E+08	1,115284E+08	1,115252E+08	2,285448E+08	4,656595E+08	7,786629E+08	1,083665E+09	1,279610E+09	1,279610E+09	1,083666E+09	7,786635E+08
-1004	4,656567E+08	2,285459E+08	1,115341E+08	1,115389E+08	2,285567E+08	4,656639E+08	7,786679E+08	1,083676E+09	1,279615E+09	1,279591E+09	1,083624E+09	7,786251E+08
-1003	4,656475E+08	2,285600E+08	1,115503E+08	1,115462E+08	2,285498E+08	4,656335E+08	7,786121E+08	1,083612E+09	1,279566E+09	1,279580E+09	1,083648E+09	7,786659E+08
-1002	4,656874E+08	2,285850E+08	1,115648E+08	1,115658E+08	2,285866E+08	4,656849E+08	7,786549E+08	1,083625E+09	1,279554E+09	1,279554E+09	1,083617E+09	7,786254E+08
-1001	4,656458E+08	2,285611E+08	1,115580E+08	1,115620E+08	2,285741E+08	4,656659E+08	7,786413E+08	1,083619E+09	1,279549E+09	1,279547E+09	1,083613E+09	7,786344E+08
-1000	4,656636E+08	2,285776E+08	1,115648E+08	1,115598E+08	2,285670E+08	4,656551E+08	7,786277E+08	1,083606E+09	1,279543E+09	1,279559E+09	1,083640E+09	7,786660E+08
-999	4,656839E+08	2,285760E+08	1,115583E+08	1,115617E+08	2,285838E+08	4,656897E+08	7,786789E+08	1,083666E+09	1,279589E+09	1,279566E+09	1,083609E+09	7,786146E+08
-998	4,656379E+08	2,285503E+08	1,115426E+08	1,115418E+08	2,285500E+08	4,656440E+08	7,786331E+08	1,083638E+09	1,279593E+09	1,279596E+09	1,083649E+09	7,786539E+08
-997	4,656688E+08	2,285680E+08	1,115456E+08	1,115386E+08	2,285502E+08	4,656528E+08	7,786476E+08	1,083652E+09	1,279609E+09	1,279618E+09	1,083671E+09	7,786656E+08
-996	4,656576E+08	2,285422E+08	1,115273E+08	1,115309E+08	2,285510E+08	4,656632E+08	7,786728E+08	1,083693E+09	1,279652E+09	1,279640E+09	1,083659E+09	7,786298E+08
-995	4,656275E+08	2,285256E+08	1,115136E+08	1,115106E+08	2,285201E+08	4,656243E+08	7,786316E+08	1,083660E+09	1,279638E+09	1,279658E+09	1,083703E+09	7,786807E+08
-994	4,656645E+08	2,285398E+08	1,115127E+08	1,115113E+08	2,285360E+08	4,656609E+08	7,786758E+08	1,083692E+09	1,279652E+09	1,279654E+09	1,083691E+09	7,786592E+08
-993	4,656310E+08	2,285105E+08	1,114961E+08	1,114992E+08	2,285187E+08	4,656422E+08	7,786730E+08	1,083712E+09	1,279677E+09	1,279660E+09	1,083676E+09	7,786473E+08
-992	4,656330E+08	2,285186E+08	1,115002E+08	1,114948E+08	2,285057E+08	4,656171E+08	7,786372E+08	1,083677E+09	1,279663E+09	1,279677E+09	1,083708E+09	7,786806E+08
-991	4,656630E+08	2,285329E+08	1,115065E+08	1,115080E+08	2,285346E+08	4,656595E+08	7,786798E+08	1,083708E+09	1,279673E+09	1,279662E+09	1,083676E+09	7,786332E+08
-990	4,656183E+08	2,285122E+08	1,115023E+08	1,115054E+08	2,285228E+08	4,656356E+08	7,786445E+08	1,083667E+09	1,279637E+09	1,279641E+09	1,083677E+09	7,786546E+08
-989	4,656484E+08	2,285427E+08	1,115246E+08	1,115203E+08	2,285349E+08	4,656442E+08	7,786446E+08	1,083649E+09	1,279604E+09	1,279617E+09	1,083676E+09	7,786748E+08
-988	4,656663E+08	2,285471E+08	1,115315E+08	1,115375E+08	2,285618E+08	4,656756E+08	7,786782E+08	1,083679E+09	1,279612E+09	1,279590E+09	1,083625E+09	7,786203E+08
-987	4,656372E+08	2,285474E+08	1,115414E+08	1,115419E+08	2,285497E+08	4,656411E+08	7,786271E+08	1,083625E+09	1,279567E+09	1,279567E+09	1,083631E+09	7,786531E+08
-986	4,656828E+08	2,285879E+08	1,115681E+08	1,115652E+08	2,285789E+08	4,656725E+08	7,786442E+08	1,083617E+09	1,279542E+09	1,279541E+09	1,083614E+09	7,786387E+08
-985	4,656657E+08	2,285785E+08	1,115729E+08	1,115780E+08	2,285908E+08	4,656764E+08	7,786437E+08	1,083615E+09	1,279533E+09	1,279517E+09	1,083578E+09	7,786085E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,656581E+08	2,285896E+08	1,115866E+08	1,115837E+08	2,285849E+08	4,656534E+08	7,785993E+08	1,083557E+09	1,279489E+09	1,279513E+09	1,083606E+09	7,786515E+08
-983	4,656987E+08	2,286129E+08	1,115979E+08	1,115991E+08	2,286156E+08	4,657008E+08	7,786496E+08	1,083590E+09	1,279491E+09	1,279489E+09	1,083576E+09	7,786156E+08
-982	4,656601E+08	2,285887E+08	1,115888E+08	1,115935E+08	2,286030E+08	4,656805E+08	7,786317E+08	1,083582E+09	1,279485E+09	1,279476E+09	1,083564E+09	7,786201E+08
-981	4,656783E+08	2,286065E+08	1,115964E+08	1,115899E+08	2,285916E+08	4,656652E+08	7,786172E+08	1,083574E+09	1,279491E+09	1,279498E+09	1,083594E+09	7,786501E+08
-980	4,656971E+08	2,286050E+08	1,115901E+08	1,115920E+08	2,286064E+08	4,656928E+08	7,786577E+08	1,083623E+09	1,279535E+09	1,279518E+09	1,083579E+09	7,786031E+08
-979	4,656488E+08	2,285780E+08	1,115747E+08	1,115735E+08	2,285754E+08	4,656508E+08	7,786164E+08	1,083598E+09	1,279534E+09	1,279539E+09	1,083612E+09	7,786394E+08
-978	4,656754E+08	2,285904E+08	1,115742E+08	1,115689E+08	2,285779E+08	4,656661E+08	7,786334E+08	1,083607E+09	1,279544E+09	1,279559E+09	1,083636E+09	7,786526E+08
-977	4,656651E+08	2,285650E+08	1,115548E+08	1,115590E+08	2,285757E+08	4,656740E+08	7,786581E+08	1,083645E+09	1,279577E+09	1,279569E+09	1,083618E+09	7,786203E+08
-976	4,656401E+08	2,285500E+08	1,115413E+08	1,115387E+08	2,285451E+08	4,656368E+08	7,786212E+08	1,083619E+09	1,279575E+09	1,279594E+09	1,083658E+09	7,786652E+08
-975	4,656775E+08	2,285678E+08	1,115427E+08	1,115397E+08	2,285582E+08	4,656675E+08	7,786627E+08	1,083658E+09	1,279599E+09	1,279596E+09	1,083649E+09	7,786438E+08
-974	4,656433E+08	2,285395E+08	1,115285E+08	1,115320E+08	2,285477E+08	4,656516E+08	7,786515E+08	1,083661E+09	1,279608E+09	1,279592E+09	1,083629E+09	7,786284E+08
-973	4,656441E+08	2,285488E+08	1,115357E+08	1,115308E+08	2,285379E+08	4,656324E+08	7,786220E+08	1,083629E+09	1,279592E+09	1,279605E+09	1,083661E+09	7,786644E+08
-972	4,656741E+08	2,285629E+08	1,115425E+08	1,115447E+08	2,285671E+08	4,656754E+08	7,786665E+08	1,083658E+09	1,279597E+09	1,279592E+09	1,083636E+09	7,786228E+08
-971	4,656318E+08	2,285428E+08	1,115391E+08	1,115431E+08	2,285557E+08	4,656537E+08	7,786429E+08	1,083634E+09	1,279566E+09	1,279561E+09	1,083623E+09	7,786373E+08
-970	4,656613E+08	2,285728E+08	1,115602E+08	1,115573E+08	2,285678E+08	4,656615E+08	7,786374E+08	1,083613E+09	1,279541E+09	1,279545E+09	1,083624E+09	7,786542E+08
-969	4,656788E+08	2,285806E+08	1,115689E+08	1,115739E+08	2,285912E+08	4,656846E+08	7,786578E+08	1,083628E+09	1,279539E+09	1,279518E+09	1,083576E+09	7,786030E+08
-968	4,656513E+08	2,285815E+08	1,115806E+08	1,115809E+08	2,285826E+08	4,656522E+08	7,786038E+08	1,083569E+09	1,279496E+09	1,279504E+09	1,083588E+09	7,786362E+08
-967	4,656965E+08	2,286219E+08	1,116070E+08	1,116036E+08	2,286112E+08	4,656828E+08	7,786201E+08	1,083559E+09	1,279466E+09	1,279474E+09	1,083575E+09	7,786282E+08
-966	4,656800E+08	2,286101E+08	1,116099E+08	1,116165E+08	2,286268E+08	4,656928E+08	7,786223E+08	1,083550E+09	1,279440E+09	1,279430E+09	1,083527E+09	7,785968E+08
-965	4,656750E+08	2,286221E+08	1,116232E+08	1,116203E+08	2,286174E+08	4,656713E+08	7,785910E+08	1,083512E+09	1,279407E+09	1,279424E+09	1,083551E+09	7,786375E+08
-964	4,657153E+08	2,286453E+08	1,116331E+08	1,116328E+08	2,286425E+08	4,657103E+08	7,786363E+08	1,083550E+09	1,279423E+09	1,279416E+09	1,083527E+09	7,786005E+08
-963	4,656750E+08	2,286210E+08	1,116242E+08	1,116271E+08	2,286289E+08	4,656895E+08	7,786234E+08	1,083552E+09	1,279431E+09	1,279411E+09	1,083513E+09	7,785975E+08
-962	4,656864E+08	2,286339E+08	1,116290E+08	1,116230E+08	2,286199E+08	4,656755E+08	7,786017E+08	1,083536E+09	1,279441E+09	1,279449E+09	1,083556E+09	7,786288E+08
-961	4,657011E+08	2,286300E+08	1,116206E+08	1,116227E+08	2,286331E+08	4,657018E+08	7,786360E+08	1,083571E+09	1,279469E+09	1,279463E+09	1,083548E+09	7,785935E+08
-960	4,656567E+08	2,286006E+08	1,116031E+08	1,116033E+08	2,286035E+08	4,656663E+08	7,786042E+08	1,083553E+09	1,279472E+09	1,279486E+09	1,083581E+09	7,786317E+08
-959	4,656864E+08	2,286132E+08	1,116005E+08	1,115956E+08	2,286010E+08	4,656762E+08	7,786242E+08	1,083573E+09	1,279488E+09	1,279501E+09	1,083602E+09	7,786469E+08
-958	4,656790E+08	2,285893E+08	1,115814E+08	1,115864E+08	2,286007E+08	4,656840E+08	7,786441E+08	1,083604E+09	1,279512E+09	1,279499E+09	1,083570E+09	7,786071E+08
-957	4,656547E+08	2,285784E+08	1,115718E+08	1,115681E+08	2,285694E+08	4,656469E+08	7,786103E+08	1,083584E+09	1,279516E+09	1,279526E+09	1,083609E+09	7,786469E+08
-956	4,656879E+08	2,285967E+08	1,115757E+08	1,115720E+08	2,285839E+08	4,656739E+08	7,786434E+08	1,083614E+09	1,279538E+09	1,279537E+09	1,083610E+09	7,786284E+08
-955	4,656531E+08	2,285688E+08	1,115635E+08	1,115674E+08	2,285789E+08	4,656666E+08	7,786418E+08	1,083620E+09	1,279540E+09	1,279523E+09	1,083582E+09	7,786095E+08
-954	4,656509E+08	2,285746E+08	1,115689E+08	1,115666E+08	2,285719E+08	4,656524E+08	7,786140E+08	1,083585E+09	1,279522E+09	1,279536E+09	1,083616E+09	7,786465E+08
-953	4,656825E+08	2,285908E+08	1,115758E+08	1,115788E+08	2,285972E+08	4,656895E+08	7,786538E+08	1,083611E+09	1,279519E+09	1,279513E+09	1,083589E+09	7,786122E+08
-952	4,656479E+08	2,285744E+08	1,115746E+08	1,115787E+08	2,285864E+08	4,656665E+08	7,786275E+08	1,083590E+09	1,279501E+09	1,279493E+09	1,083574E+09	7,786223E+08
-951	4,656783E+08	2,286078E+08	1,115978E+08	1,115930E+08	2,285953E+08	4,656669E+08	7,786156E+08	1,083567E+09	1,279478E+09	1,279481E+09	1,083580E+09	7,786416E+08
-950	4,656958E+08	2,286163E+08	1,116085E+08	1,116135E+08	2,286252E+08	4,656933E+08	7,786280E+08	1,083563E+09	1,279455E+09	1,279440E+09	1,083526E+09	7,785880E+08
-949	4,656678E+08	2,286181E+08	1,116218E+08	1,116217E+08	2,286186E+08	4,656684E+08	7,785843E+08	1,083508E+09	1,279406E+09	1,279417E+09	1,083535E+09	7,786210E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,657102E+08	2,286559E+08	1,116468E+08	1,116435E+08	2,286460E+08	4,656991E+08	7,786049E+08	1,083504E+09	1,279380E+09	1,279391E+09	1,083526E+09	7,786162E+08
-947	4,656955E+08	2,286431E+08	1,116481E+08	1,116549E+08	2,286609E+08	4,657126E+08	7,786209E+08	1,083514E+09	1,279366E+09	1,279344E+09	1,083466E+09	7,785748E+08
-946	4,656857E+08	2,286512E+08	1,116575E+08	1,116556E+08	2,286494E+08	4,656888E+08	7,785857E+08	1,083481E+09	1,279352E+09	1,279359E+09	1,083498E+09	7,786121E+08
-945	4,657220E+08	2,286742E+08	1,116664E+08	1,116654E+08	2,286690E+08	4,657187E+08	7,786197E+08	1,083509E+09	1,279366E+09	1,279358E+09	1,083487E+09	7,785850E+08
-944	4,656844E+08	2,286484E+08	1,116568E+08	1,116599E+08	2,286567E+08	4,656978E+08	7,786018E+08	1,083508E+09	1,279380E+09	1,279368E+09	1,083482E+09	7,785850E+08
-943	4,656950E+08	2,286590E+08	1,116590E+08	1,116530E+08	2,286452E+08	4,656831E+08	7,785814E+08	1,083489E+09	1,279382E+09	1,279401E+09	1,083531E+09	7,786254E+08
-942	4,657127E+08	2,286534E+08	1,116484E+08	1,116520E+08	2,286602E+08	4,657128E+08	7,786163E+08	1,083515E+09	1,279390E+09	1,279392E+09	1,083509E+09	7,785885E+08
-941	4,656727E+08	2,286268E+08	1,116314E+08	1,116313E+08	2,286282E+08	4,656794E+08	7,785959E+08	1,083513E+09	1,279399E+09	1,279406E+09	1,083532E+09	7,786212E+08
-940	4,657014E+08	2,286410E+08	1,116300E+08	1,116237E+08	2,286233E+08	4,656827E+08	7,786097E+08	1,083535E+09	1,279426E+09	1,279432E+09	1,083554E+09	7,786333E+08
-939	4,656932E+08	2,286188E+08	1,116134E+08	1,116170E+08	2,286255E+08	4,656940E+08	7,786360E+08	1,083572E+09	1,279456E+09	1,279432E+09	1,083515E+09	7,785825E+08
-938	4,656612E+08	2,286046E+08	1,116036E+08	1,116011E+08	2,285994E+08	4,656607E+08	7,785986E+08	1,083548E+09	1,279464E+09	1,279472E+09	1,083565E+09	7,786214E+08
-937	4,656896E+08	2,286219E+08	1,116076E+08	1,116046E+08	2,286134E+08	4,656874E+08	7,786279E+08	1,083567E+09	1,279471E+09	1,279475E+09	1,083572E+09	7,786156E+08
-936	4,656610E+08	2,285940E+08	1,115955E+08	1,116010E+08	2,286105E+08	4,656845E+08	7,786323E+08	1,083580E+09	1,279482E+09	1,279466E+09	1,083544E+09	7,785990E+08
-935	4,656633E+08	2,286018E+08	1,116006E+08	1,115984E+08	2,285993E+08	4,656643E+08	7,786038E+08	1,083551E+09	1,279465E+09	1,279476E+09	1,083578E+09	7,786404E+08
-934	4,656999E+08	2,286213E+08	1,116095E+08	1,116125E+08	2,286258E+08	4,656979E+08	7,786318E+08	1,083559E+09	1,279446E+09	1,279439E+09	1,083539E+09	7,786012E+08
-933	4,656684E+08	2,286114E+08	1,116138E+08	1,116160E+08	2,286163E+08	4,656755E+08	7,786063E+08	1,083537E+09	1,279425E+09	1,279414E+09	1,083522E+09	7,786078E+08
-932	4,656953E+08	2,286455E+08	1,116399E+08	1,116338E+08	2,286280E+08	4,656730E+08	7,785842E+08	1,083502E+09	1,279393E+09	1,279405E+09	1,083534E+09	7,786284E+08
-931	4,657115E+08	2,286528E+08	1,116511E+08	1,116561E+08	2,286628E+08	4,657115E+08	7,786118E+08	1,083502E+09	1,279362E+09	1,279349E+09	1,083467E+09	7,785672E+08
-930	4,656789E+08	2,286502E+08	1,116613E+08	1,116633E+08	2,286582E+08	4,656925E+08	7,785765E+08	1,083457E+09	1,279321E+09	1,279330E+09	1,083476E+09	7,785965E+08
-929	4,657185E+08	2,286864E+08	1,116833E+08	1,116804E+08	2,286790E+08	4,657162E+08	7,785951E+08	1,083458E+09	1,279300E+09	1,279305E+09	1,083468E+09	7,785980E+08
-928	4,657088E+08	2,286744E+08	1,116839E+08	1,116906E+08	2,286922E+08	4,657274E+08	7,786094E+08	1,083479E+09	1,279312E+09	1,279283E+09	1,083415E+09	7,785555E+08
-927	4,656979E+08	2,286817E+08	1,116915E+08	1,116884E+08	2,286754E+08	4,656957E+08	7,785688E+08	1,083445E+09	1,279304E+09	1,279310E+09	1,083462E+09	7,785996E+08
-926	4,657334E+08	2,287020E+08	1,116993E+08	1,116987E+08	2,286977E+08	4,657259E+08	7,785940E+08	1,083455E+09	1,279298E+09	1,279298E+09	1,083451E+09	7,785764E+08
-925	4,656985E+08	2,286773E+08	1,116896E+08	1,116922E+08	2,286851E+08	4,657107E+08	7,785861E+08	1,083459E+09	1,279308E+09	1,279301E+09	1,083447E+09	7,785788E+08
-924	4,657074E+08	2,286852E+08	1,116896E+08	1,116835E+08	2,286709E+08	4,656930E+08	7,785662E+08	1,083444E+09	1,279313E+09	1,279336E+09	1,083495E+09	7,786204E+08
-923	4,657279E+08	2,286799E+08	1,116780E+08	1,116809E+08	2,286854E+08	4,657273E+08	7,786134E+08	1,083483E+09	1,279327E+09	1,279319E+09	1,083456E+09	7,785703E+08
-922	4,656832E+08	2,286518E+08	1,116598E+08	1,116600E+08	2,286540E+08	4,656933E+08	7,785903E+08	1,083485E+09	1,279350E+09	1,279347E+09	1,083481E+09	7,785945E+08
-921	4,657059E+08	2,286659E+08	1,116590E+08	1,116521E+08	2,286467E+08	4,656903E+08	7,785943E+08	1,083497E+09	1,279372E+09	1,279377E+09	1,083512E+09	7,786153E+08
-920	4,657007E+08	2,286440E+08	1,116440E+08	1,116484E+08	2,286537E+08	4,657045E+08	7,786171E+08	1,083533E+09	1,279410E+09	1,279387E+09	1,083481E+09	7,785676E+08
-919	4,656679E+08	2,286282E+08	1,116331E+08	1,116314E+08	2,286265E+08	4,656724E+08	7,785832E+08	1,083506E+09	1,279408E+09	1,279423E+09	1,083538E+09	7,786162E+08
-918	4,657003E+08	2,286455E+08	1,116374E+08	1,116360E+08	2,286421E+08	4,657001E+08	7,786112E+08	1,083514E+09	1,279393E+09	1,279404E+09	1,083532E+09	7,786109E+08
-917	4,656799E+08	2,286245E+08	1,116285E+08	1,116330E+08	2,286372E+08	4,656963E+08	7,786199E+08	1,083536E+09	1,279405E+09	1,279385E+09	1,083495E+09	7,785892E+08
-916	4,656815E+08	2,286360E+08	1,116374E+08	1,116332E+08	2,286260E+08	4,656696E+08	7,785807E+08	1,083500E+09	1,279393E+09	1,279402E+09	1,083529E+09	7,786286E+08
-915	4,657196E+08	2,286587E+08	1,116501E+08	1,116511E+08	2,286571E+08	4,657089E+08	7,786133E+08	1,083506E+09	1,279368E+09	1,279357E+09	1,083478E+09	7,785768E+08
-914	4,656807E+08	2,286460E+08	1,116549E+08	1,116581E+08	2,286547E+08	4,656932E+08	7,785875E+08	1,083481E+09	1,279345E+09	1,279337E+09	1,083465E+09	7,785800E+08
-913	4,657023E+08	2,286779E+08	1,116796E+08	1,116747E+08	2,286658E+08	4,656926E+08	7,785679E+08	1,083442E+09	1,279304E+09	1,279319E+09	1,083481E+09	7,786117E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,657231E+08	2,286837E+08	1,116893E+08	1,116961E+08	2,287007E+08	4,657334E+08	7,786026E+08	1,083459E+09	1,279291E+09	1,279273E+09	1,083413E+09	7,785498E+08
-911	4,656912E+08	2,286800E+08	1,116964E+08	1,116988E+08	2,286895E+08	4,657089E+08	7,785704E+08	1,083425E+09	1,279262E+09	1,279264E+09	1,083430E+09	7,785826E+08
-910	4,657316E+08	2,287158E+08	1,117177E+08	1,117149E+08	2,287081E+08	4,657266E+08	7,785782E+08	1,083414E+09	1,279235E+09	1,279237E+09	1,083419E+09	7,785828E+08
-909	4,657254E+08	2,287083E+08	1,117206E+08	1,117254E+08	2,287196E+08	4,657356E+08	7,785915E+08	1,083435E+09	1,279248E+09	1,279220E+09	1,083375E+09	7,785428E+08
-908	4,657113E+08	2,287138E+08	1,117283E+08	1,117241E+08	2,287037E+08	4,657007E+08	7,785406E+08	1,083390E+09	1,279237E+09	1,279253E+09	1,083430E+09	7,785935E+08
-907	4,657488E+08	2,287323E+08	1,117342E+08	1,117331E+08	2,287278E+08	4,657406E+08	7,785789E+08	1,083401E+09	1,279219E+09	1,279224E+09	1,083405E+09	7,785634E+08
-906	4,657109E+08	2,287040E+08	1,117215E+08	1,117253E+08	2,287158E+08	4,657281E+08	7,785772E+08	1,083414E+09	1,279235E+09	1,279229E+09	1,083397E+09	7,785602E+08
-905	4,657173E+08	2,287109E+08	1,117188E+08	1,117125E+08	2,286959E+08	4,657040E+08	7,785540E+08	1,083402E+09	1,279243E+09	1,279261E+09	1,083445E+09	7,786050E+08
-904	4,657401E+08	2,287063E+08	1,117076E+08	1,117101E+08	2,287103E+08	4,657368E+08	7,785995E+08	1,083452E+09	1,279283E+09	1,279266E+09	1,083410E+09	7,785504E+08
-903	4,656921E+08	2,286774E+08	1,116888E+08	1,116881E+08	2,286772E+08	4,657010E+08	7,785766E+08	1,083453E+09	1,279308E+09	1,279305E+09	1,083448E+09	7,785794E+08
-902	4,657121E+08	2,286883E+08	1,116879E+08	1,116820E+08	2,286733E+08	4,656996E+08	7,785737E+08	1,083448E+09	1,279310E+09	1,279322E+09	1,083476E+09	7,786032E+08
-901	4,657117E+08	2,286703E+08	1,116749E+08	1,116791E+08	2,286815E+08	4,657202E+08	7,786074E+08	1,083489E+09	1,279341E+09	1,279324E+09	1,083448E+09	7,785610E+08
-900	4,656801E+08	2,286544E+08	1,116645E+08	1,116629E+08	2,286533E+08	4,656833E+08	7,785696E+08	1,083463E+09	1,279341E+09	1,279358E+09	1,083501E+09	7,786113E+08
-899	4,657178E+08	2,286745E+08	1,116699E+08	1,116678E+08	2,286693E+08	4,657146E+08	7,786040E+08	1,083475E+09	1,279324E+09	1,279326E+09	1,083476E+09	7,785935E+08
-898	4,656952E+08	2,286557E+08	1,116636E+08	1,116680E+08	2,286675E+08	4,657100E+08	7,786073E+08	1,083494E+09	1,279341E+09	1,279316E+09	1,083440E+09	7,785636E+08
-897	4,656917E+08	2,286683E+08	1,116746E+08	1,116699E+08	2,286561E+08	4,656781E+08	7,785571E+08	1,083444E+09	1,279316E+09	1,279329E+09	1,083479E+09	7,786100E+08
-896	4,657319E+08	2,286915E+08	1,116894E+08	1,116913E+08	2,286931E+08	4,657226E+08	7,785889E+08	1,083451E+09	1,279298E+09	1,279290E+09	1,083430E+09	7,785584E+08
-895	4,656915E+08	2,286769E+08	1,116924E+08	1,116966E+08	2,286901E+08	4,657116E+08	7,785727E+08	1,083428E+09	1,279268E+09	1,279264E+09	1,083420E+09	7,785668E+08
-894	4,657144E+08	2,287066E+08	1,117156E+08	1,117124E+08	2,287001E+08	4,657102E+08	7,785541E+08	1,083387E+09	1,279215E+09	1,279230E+09	1,083423E+09	7,785970E+08
-893	4,657419E+08	2,287184E+08	1,117271E+08	1,117327E+08	2,287319E+08	4,657490E+08	7,785937E+08	1,083416E+09	1,279213E+09	1,279188E+09	1,083359E+09	7,785350E+08
-892	4,657083E+08	2,287157E+08	1,117357E+08	1,117359E+08	2,287180E+08	4,657156E+08	7,785501E+08	1,083380E+09	1,279199E+09	1,279197E+09	1,083383E+09	7,785692E+08
-891	4,657492E+08	2,287512E+08	1,117574E+08	1,117527E+08	2,287388E+08	4,657383E+08	7,785611E+08	1,083365E+09	1,279166E+09	1,279168E+09	1,083368E+09	7,785623E+08
-890	4,657378E+08	2,287410E+08	1,117592E+08	1,117643E+08	2,287541E+08	4,657510E+08	7,785735E+08	1,083383E+09	1,279179E+09	1,279158E+09	1,083332E+09	7,785221E+08
-889	4,657192E+08	2,287423E+08	1,117628E+08	1,117593E+08	2,287353E+08	4,657158E+08	7,785242E+08	1,083335E+09	1,279158E+09	1,279182E+09	1,083390E+09	7,785836E+08
-888	4,657614E+08	2,287587E+08	1,117659E+08	1,117660E+08	2,287579E+08	4,657555E+08	7,785671E+08	1,083363E+09	1,279162E+09	1,279162E+09	1,083361E+09	7,785502E+08
-887	4,657227E+08	2,287284E+08	1,117491E+08	1,117530E+08	2,287402E+08	4,657401E+08	7,785696E+08	1,083385E+09	1,279185E+09	1,279173E+09	1,083358E+09	7,785471E+08
-886	4,657276E+08	2,287340E+08	1,117460E+08	1,117399E+08	2,287186E+08	4,657116E+08	7,785390E+08	1,083362E+09	1,279186E+09	1,279201E+09	1,083401E+09	7,785889E+08
-885	4,657528E+08	2,287339E+08	1,117376E+08	1,117386E+08	2,287330E+08	4,657441E+08	7,785844E+08	1,083412E+09	1,279223E+09	1,279209E+09	1,083376E+09	7,785372E+08
-884	4,657008E+08	2,287032E+08	1,117198E+08	1,117188E+08	2,287024E+08	4,657079E+08	7,785553E+08	1,083406E+09	1,279249E+09	1,279254E+09	1,083419E+09	7,785725E+08
-883	4,657236E+08	2,287132E+08	1,117184E+08	1,117128E+08	2,287015E+08	4,657172E+08	7,785655E+08	1,083401E+09	1,279237E+09	1,279252E+09	1,083432E+09	7,785888E+08
-882	4,657228E+08	2,286956E+08	1,117054E+08	1,117107E+08	2,287102E+08	4,657370E+08	7,786013E+08	1,083450E+09	1,279274E+09	1,279254E+09	1,083399E+09	7,785418E+08
-881	4,656914E+08	2,286817E+08	1,116953E+08	1,116936E+08	2,286790E+08	4,656935E+08	7,785556E+08	1,083420E+09	1,279272E+09	1,279283E+09	1,083450E+09	7,785968E+08
-880	4,657338E+08	2,287056E+08	1,117043E+08	1,117015E+08	2,286966E+08	4,657212E+08	7,785827E+08	1,083435E+09	1,279271E+09	1,279265E+09	1,083427E+09	7,785738E+08
-879	4,657079E+08	2,286870E+08	1,116991E+08	1,117031E+08	2,286968E+08	4,657191E+08	7,785868E+08	1,083447E+09	1,279279E+09	1,279257E+09	1,083400E+09	7,785473E+08
-878	4,657021E+08	2,286978E+08	1,117114E+08	1,117078E+08	2,286898E+08	4,656916E+08	7,785341E+08	1,083382E+09	1,279231E+09	1,279252E+09	1,083431E+09	7,785943E+08
-877	4,657465E+08	2,287247E+08	1,117279E+08	1,117297E+08	2,287275E+08	4,657422E+08	7,785784E+08	1,083398E+09	1,279209E+09	1,279206E+09	1,083383E+09	7,785459E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,657061E+08	2,287100E+08	1,117313E+08	1,117355E+08	2,287236E+08	4,657273E+08	7,785609E+08	1,083382E+09	1,279192E+09	1,279186E+09	1,083371E+09	7,785551E+08
-875	4,657327E+08	2,287406E+08	1,117541E+08	1,117500E+08	2,287331E+08	4,657292E+08	7,785473E+08	1,083345E+09	1,279142E+09	1,279148E+09	1,083361E+09	7,785727E+08
-874	4,657564E+08	2,287538E+08	1,117672E+08	1,117723E+08	2,287653E+08	4,657638E+08	7,785809E+08	1,083375E+09	1,279150E+09	1,279121E+09	1,083305E+09	7,785096E+08
-873	4,657195E+08	2,287499E+08	1,117753E+08	1,117752E+08	2,287502E+08	4,657244E+08	7,785256E+08	1,083325E+09	1,279125E+09	1,279131E+09	1,083341E+09	7,785551E+08
-872	4,657623E+08	2,287833E+08	1,117959E+08	1,117921E+08	2,287732E+08	4,657497E+08	7,785360E+08	1,083312E+09	1,279102E+09	1,279108E+09	1,083330E+09	7,785502E+08
-871	4,657500E+08	2,287696E+08	1,117933E+08	1,117993E+08	2,287858E+08	4,657670E+08	7,785592E+08	1,083332E+09	1,279106E+09	1,279093E+09	1,083298E+09	7,785150E+08
-870	4,657319E+08	2,287673E+08	1,117932E+08	1,117908E+08	2,287630E+08	4,657284E+08	7,785095E+08	1,083283E+09	1,279075E+09	1,279100E+09	1,083340E+09	7,785716E+08
-869	4,657782E+08	2,287883E+08	1,117968E+08	1,117952E+08	2,287818E+08	4,657663E+08	7,785571E+08	1,083323E+09	1,279090E+09	1,279087E+09	1,083314E+09	7,785361E+08
-868	4,657362E+08	2,287579E+08	1,117810E+08	1,117831E+08	2,287631E+08	4,657450E+08	7,785516E+08	1,083346E+09	1,279131E+09	1,279115E+09	1,083315E+09	7,785320E+08
-867	4,657395E+08	2,287613E+08	1,117771E+08	1,117701E+08	2,287447E+08	4,657241E+08	7,785271E+08	1,083322E+09	1,279126E+09	1,279140E+09	1,083354E+09	7,785656E+08
-866	4,657590E+08	2,287596E+08	1,117691E+08	1,117710E+08	2,287629E+08	4,657606E+08	7,785755E+08	1,083373E+09	1,279166E+09	1,279155E+09	1,083337E+09	7,785180E+08
-865	4,657063E+08	2,287261E+08	1,117485E+08	1,117489E+08	2,287295E+08	4,657219E+08	7,785458E+08	1,083365E+09	1,279184E+09	1,279192E+09	1,083384E+09	7,785634E+08
-864	4,657345E+08	2,287365E+08	1,117467E+08	1,117423E+08	2,287275E+08	4,657286E+08	7,785563E+08	1,083373E+09	1,279191E+09	1,279197E+09	1,083393E+09	7,785764E+08
-863	4,657348E+08	2,287206E+08	1,117331E+08	1,117382E+08	2,287332E+08	4,657463E+08	7,785909E+08	1,083419E+09	1,279225E+09	1,279202E+09	1,083362E+09	7,785294E+08
-862	4,657029E+08	2,287078E+08	1,117258E+08	1,117241E+08	2,287032E+08	4,656990E+08	7,785341E+08	1,083370E+09	1,279204E+09	1,279217E+09	1,083405E+09	7,785812E+08
-861	4,657492E+08	2,287383E+08	1,117399E+08	1,117359E+08	2,287245E+08	4,657288E+08	7,785599E+08	1,083380E+09	1,279193E+09	1,279197E+09	1,083388E+09	7,785613E+08
-860	4,657211E+08	2,287198E+08	1,117375E+08	1,117415E+08	2,287296E+08	4,657302E+08	7,785620E+08	1,083386E+09	1,279197E+09	1,279185E+09	1,083359E+09	7,785379E+08
-859	4,657179E+08	2,287302E+08	1,117497E+08	1,117466E+08	2,287260E+08	4,657146E+08	7,785252E+08	1,083325E+09	1,279138E+09	1,279159E+09	1,083371E+09	7,785734E+08
-858	4,657602E+08	2,287584E+08	1,117672E+08	1,117697E+08	2,287637E+08	4,657633E+08	7,785730E+08	1,083354E+09	1,279128E+09	1,279118E+09	1,083320E+09	7,785213E+08
-857	4,657194E+08	2,287440E+08	1,117700E+08	1,117742E+08	2,287562E+08	4,657410E+08	7,785476E+08	1,083338E+09	1,279118E+09	1,279104E+09	1,083314E+09	7,785359E+08
-856	4,657483E+08	2,287758E+08	1,117942E+08	1,117899E+08	2,287659E+08	4,657389E+08	7,785278E+08	1,083306E+09	1,279088E+09	1,279086E+09	1,083312E+09	7,785515E+08
-855	4,657681E+08	2,287868E+08	1,118056E+08	1,118108E+08	2,287980E+08	4,657753E+08	7,785605E+08	1,083325E+09	1,279086E+09	1,279065E+09	1,083270E+09	7,784965E+08
-854	4,657303E+08	2,287796E+08	1,118122E+08	1,118134E+08	2,287838E+08	4,657380E+08	7,785034E+08	1,083263E+09	1,279041E+09	1,279057E+09	1,083300E+09	7,785460E+08
-853	4,657787E+08	2,288150E+08	1,118316E+08	1,118276E+08	2,288041E+08	4,657645E+08	7,785223E+08	1,083258E+09	1,279014E+09	1,279030E+09	1,083290E+09	7,785427E+08
-852	4,657655E+08	2,287997E+08	1,118272E+08	1,118328E+08	2,288138E+08	4,657778E+08	7,785447E+08	1,083288E+09	1,279034E+09	1,279019E+09	1,083253E+09	7,785061E+08
-851	4,657493E+08	2,287971E+08	1,118251E+08	1,118215E+08	2,287901E+08	4,657443E+08	7,785025E+08	1,083244E+09	1,279008E+09	1,279023E+09	1,083281E+09	7,785468E+08
-850	4,657884E+08	2,288177E+08	1,118296E+08	1,118271E+08	2,288081E+08	4,657772E+08	7,785469E+08	1,083289E+09	1,279036E+09	1,279027E+09	1,083264E+09	7,785104E+08
-849	4,657426E+08	2,287844E+08	1,118123E+08	1,118146E+08	2,287895E+08	4,657530E+08	7,785335E+08	1,083304E+09	1,279073E+09	1,279060E+09	1,083279E+09	7,785173E+08
-848	4,657471E+08	2,287854E+08	1,118072E+08	1,118017E+08	2,287731E+08	4,657349E+08	7,785108E+08	1,083285E+09	1,279079E+09	1,279092E+09	1,083321E+09	7,785526E+08
-847	4,657654E+08	2,287811E+08	1,117959E+08	1,117991E+08	2,287887E+08	4,657746E+08	7,785674E+08	1,083337E+09	1,279109E+09	1,279102E+09	1,083309E+09	7,785122E+08
-846	4,657164E+08	2,287475E+08	1,117748E+08	1,117760E+08	2,287524E+08	4,657306E+08	7,785324E+08	1,083323E+09	1,279115E+09	1,279122E+09	1,083342E+09	7,785547E+08
-845	4,657514E+08	2,287653E+08	1,117763E+08	1,117702E+08	2,287488E+08	4,657337E+08	7,785401E+08	1,083331E+09	1,279124E+09	1,279131E+09	1,083354E+09	7,785656E+08
-844	4,657502E+08	2,287524E+08	1,117672E+08	1,117703E+08	2,287573E+08	4,657490E+08	7,785659E+08	1,083370E+09	1,279162E+09	1,279141E+09	1,083323E+09	7,785184E+08
-843	4,657186E+08	2,287402E+08	1,117619E+08	1,117596E+08	2,287351E+08	4,657143E+08	7,785161E+08	1,083315E+09	1,279125E+09	1,279141E+09	1,083351E+09	7,785580E+08
-842	4,657590E+08	2,287707E+08	1,117785E+08	1,117755E+08	2,287612E+08	4,657493E+08	7,785487E+08	1,083328E+09	1,279113E+09	1,279118E+09	1,083335E+09	7,785402E+08
-841	4,657311E+08	2,287501E+08	1,117745E+08	1,117805E+08	2,287658E+08	4,657504E+08	7,785533E+08	1,083338E+09	1,279115E+09	1,279100E+09	1,083306E+09	7,785227E+08

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°
-840	4,657312E+08	2,287605E+08	1,117861E+08	1,117849E+08	2,287605E+08	4,657315E+08	7,785184E+08	1,083296E+09	1,279081E+09	1,279087E+09	1,083316E+09	7,785527E+08
-839	4,657714E+08	2,287892E+08	1,118028E+08	1,118055E+08	2,287948E+08	4,657784E+08	7,785648E+08	1,083320E+09	1,279072E+09	1,279056E+09	1,083276E+09	7,785051E+08
-838	4,657312E+08	2,287752E+08	1,118071E+08	1,118112E+08	2,287855E+08	4,657482E+08	7,785249E+08	1,083285E+09	1,279046E+09	1,279035E+09	1,083267E+09	7,785204E+08
-837	4,657641E+08	2,288113E+08	1,118336E+08	1,118284E+08	2,287972E+08	4,657469E+08	7,785019E+08	1,083245E+09	1,279007E+09	1,279019E+09	1,083278E+09	7,785426E+08
-836	4,657834E+08	2,288217E+08	1,118456E+08	1,118503E+08	2,288314E+08	4,657859E+08	7,785334E+08	1,083261E+09	1,279002E+09	1,278992E+09	1,083232E+09	7,784923E+08
-835	4,657492E+08	2,288126E+08	1,118492E+08	1,118503E+08	2,288180E+08	4,657585E+08	7,784907E+08	1,083203E+09	1,278946E+09	1,278962E+09	1,083240E+09	7,785285E+08
-834	4,657944E+08	2,288480E+08	1,118681E+08	1,118639E+08	2,288359E+08	4,657808E+08	7,785135E+08	1,083215E+09	1,278936E+09	1,278942E+09	1,083227E+09	7,785211E+08
-833	4,657791E+08	2,288309E+08	1,118614E+08	1,118663E+08	2,288415E+08	4,657874E+08	7,785296E+08	1,083246E+09	1,278966E+09	1,278943E+09	1,083197E+09	7,784861E+08
-832	4,657609E+08	2,288267E+08	1,118588E+08	1,118549E+08	2,288175E+08	4,657518E+08	7,784874E+08	1,083215E+09	1,278966E+09	1,278971E+09	1,083235E+09	7,785225E+08
-831	4,657922E+08	2,288426E+08	1,118601E+08	1,118582E+08	2,288358E+08	4,657895E+08	7,785345E+08	1,083254E+09	1,278989E+09	1,278984E+09	1,083235E+09	7,784967E+08
-830	4,657463E+08	2,288056E+08	1,118405E+08	1,118441E+08	2,288161E+08	4,657654E+08	7,785201E+08	1,083260E+09	1,279011E+09	1,279004E+09	1,083247E+09	7,785092E+08
-829	4,657577E+08	2,288087E+08	1,118345E+08	1,118294E+08	2,287975E+08	4,657473E+08	7,785025E+08	1,083247E+09	1,279015E+09	1,279036E+09	1,083294E+09	7,785491E+08
-828	4,657785E+08	2,288059E+08	1,118237E+08	1,118263E+08	2,288108E+08	4,657813E+08	7,785529E+08	1,083301E+09	1,279054E+09	1,279046E+09	1,083275E+09	7,785089E+08
-827	4,657336E+08	2,287752E+08	1,118037E+08	1,118038E+08	2,287767E+08	4,657427E+08	7,785202E+08	1,083281E+09	1,279050E+09	1,279052E+09	1,083290E+09	7,785358E+08
-826	4,657639E+08	2,287961E+08	1,118104E+08	1,118033E+08	2,287759E+08	4,657419E+08	7,785222E+08	1,083287E+09	1,279059E+09	1,279065E+09	1,083304E+09	7,785451E+08
-825	4,657601E+08	2,287819E+08	1,118021E+08	1,118059E+08	2,287883E+08	4,657588E+08	7,785430E+08	1,083315E+09	1,279087E+09	1,279071E+09	1,083279E+09	7,785044E+08
-824	4,657298E+08	2,287695E+08	1,117976E+08	1,117972E+08	2,287699E+08	4,657307E+08	7,785026E+08	1,083272E+09	1,279059E+09	1,279071E+09	1,083303E+09	7,785391E+08
-823	4,657663E+08	2,287974E+08	1,118119E+08	1,118105E+08	2,287941E+08	4,657694E+08	7,785436E+08	1,083288E+09	1,279042E+09	1,279044E+09	1,083287E+09	7,785254E+08
-822	4,657419E+08	2,287780E+08	1,118083E+08	1,118150E+08	2,287957E+08	4,657641E+08	7,785420E+08	1,083295E+09	1,279040E+09	1,279017E+09	1,083250E+09	7,785065E+08
-821	4,657483E+08	2,287950E+08	1,118230E+08	1,118203E+08	2,287889E+08	4,657403E+08	7,785010E+08	1,083249E+09	1,279010E+09	1,279015E+09	1,083270E+09	7,785378E+08
-820	4,657867E+08	2,288253E+08	1,118430E+08	1,118440E+08	2,288245E+08	4,657831E+08	7,785370E+08	1,083266E+09	1,279003E+09	1,278992E+09	1,083235E+09	7,784955E+08
-819	4,657496E+08	2,288121E+08	1,118483E+08	1,118516E+08	2,288218E+08	4,657646E+08	7,785023E+08	1,083222E+09	1,278959E+09	1,278954E+09	1,083216E+09	7,785025E+08
-818	4,657787E+08	2,288478E+08	1,118758E+08	1,118706E+08	2,288345E+08	4,657645E+08	7,784846E+08	1,083186E+09	1,278919E+09	1,278936E+09	1,083224E+09	7,785269E+08
-817	4,657980E+08	2,288548E+08	1,118843E+08	1,118897E+08	2,288664E+08	4,658022E+08	7,785188E+08	1,083207E+09	1,278916E+09	1,278905E+09	1,083178E+09	7,784793E+08
-816	4,657657E+08	2,288449E+08	1,118856E+08	1,118873E+08	2,288506E+08	4,657729E+08	7,784814E+08	1,083172E+09	1,278887E+09	1,278887E+09	1,083181E+09	7,785045E+08
-815	4,658033E+08	2,288765E+08	1,119011E+08	1,118968E+08	2,288645E+08	4,657947E+08	7,785052E+08	1,083183E+09	1,278884E+09	1,278882E+09	1,083180E+09	7,785007E+08
-814	4,657861E+08	2,288573E+08	1,118937E+08	1,118985E+08	2,288680E+08	4,657952E+08	7,785116E+08	1,083203E+09	1,278907E+09	1,278884E+09	1,083155E+09	7,784696E+08
-813	4,657704E+08	2,288539E+08	1,118905E+08	1,118866E+08	2,288448E+08	4,657613E+08	7,784688E+08	1,083168E+09	1,278904E+09	1,278922E+09	1,083210E+09	7,785140E+08
-812	4,658006E+08	2,288677E+08	1,118909E+08	1,118890E+08	2,288627E+08	4,658003E+08	7,785171E+08	1,083207E+09	1,278926E+09	1,278931E+09	1,083210E+09	7,784969E+08
-811	4,657618E+08	2,288308E+08	1,118689E+08	1,118724E+08	2,288429E+08	4,657824E+08	7,785115E+08	1,083215E+09	1,278937E+09	1,278931E+09	1,083201E+09	7,784972E+08
-810	4,657715E+08	2,288362E+08	1,118645E+08	1,118586E+08	2,288220E+08	4,657576E+08	7,784924E+08	1,083212E+09	1,278953E+09	1,278965E+09	1,083242E+09	7,785342E+08
-809	4,657928E+08	2,288340E+08	1,118542E+08	1,118557E+08	2,288340E+08	4,657859E+08	7,785333E+08	1,083259E+09	1,278993E+09	1,278980E+09	1,083227E+09	7,784940E+08
-808	4,657471E+08	2,288041E+08	1,118362E+08	1,118362E+08	2,288036E+08	4,657492E+08	7,785023E+08	1,083247E+09	1,279000E+09	1,278994E+09	1,083243E+09	7,785130E+08
-807	4,657694E+08	2,288221E+08	1,118423E+08	1,118364E+08	2,288068E+08	4,657574E+08	7,785092E+08	1,083244E+09	1,278999E+09	1,279008E+09	1,083266E+09	7,785302E+08
-806	4,657662E+08	2,288065E+08	1,118340E+08	1,118392E+08	2,288190E+08	4,657747E+08	7,785301E+08	1,083266E+09	1,279010E+09	1,278997E+09	1,083233E+09	7,784913E+08
-805	4,657417E+08	2,287972E+08	1,118302E+08	1,118304E+08	2,287999E+08	4,657468E+08	7,784947E+08	1,083229E+09	1,278987E+09	1,279002E+09	1,083262E+09	7,785273E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,657790E+08	2,288272E+08	1,118463E+08	1,118442E+08	2,288223E+08	4,657804E+08	7,785299E+08	1,083249E+09	1,278981E+09	1,278979E+09	1,083242E+09	7,785153E+08
-803	4,657601E+08	2,288117E+08	1,118446E+08	1,118498E+08	2,288258E+08	4,657778E+08	7,785257E+08	1,083247E+09	1,278969E+09	1,278942E+09	1,083193E+09	7,784848E+08
-802	4,657629E+08	2,288320E+08	1,118645E+08	1,118606E+08	2,288216E+08	4,657496E+08	7,784783E+08	1,083196E+09	1,278936E+09	1,278943E+09	1,083218E+09	7,785206E+08
-801	4,658017E+08	2,288607E+08	1,118847E+08	1,118860E+08	2,288602E+08	4,657933E+08	7,785075E+08	1,083200E+09	1,278917E+09	1,278914E+09	1,083189E+09	7,784852E+08
-800	4,657667E+08	2,288472E+08	1,118896E+08	1,118941E+08	2,288599E+08	4,657813E+08	7,784851E+08	1,083169E+09	1,278877E+09	1,278872E+09	1,083162E+09	7,784852E+08
-799	4,657908E+08	2,288790E+08	1,119131E+08	1,119091E+08	2,288702E+08	4,657850E+08	7,784758E+08	1,083138E+09	1,278838E+09	1,278853E+09	1,083172E+09	7,785108E+08
-798	4,658102E+08	2,288848E+08	1,119197E+08	1,119250E+08	2,288966E+08	4,658153E+08	7,785050E+08	1,083160E+09	1,278837E+09	1,278819E+09	1,083118E+09	7,784597E+08
-797	4,657806E+08	2,288777E+08	1,119212E+08	1,119215E+08	2,288789E+08	4,657835E+08	7,784662E+08	1,083127E+09	1,278822E+09	1,278824E+09	1,083136E+09	7,784853E+08
-796	4,658132E+08	2,289068E+08	1,119364E+08	1,119310E+08	2,288923E+08	4,658025E+08	7,784849E+08	1,083139E+09	1,278828E+09	1,278830E+09	1,083144E+09	7,784886E+08
-795	4,657987E+08	2,288862E+08	1,119268E+08	1,119317E+08	2,288995E+08	4,658129E+08	7,784975E+08	1,083155E+09	1,278838E+09	1,278821E+09	1,083114E+09	7,784544E+08
-794	4,657804E+08	2,288816E+08	1,119234E+08	1,119198E+08	2,288746E+08	4,657775E+08	7,784605E+08	1,083128E+09	1,278839E+09	1,278858E+09	1,083169E+09	7,785045E+08
-793	4,658125E+08	2,288916E+08	1,119201E+08	1,119188E+08	2,288886E+08	4,658116E+08	7,785060E+08	1,083169E+09	1,278864E+09	1,278867E+09	1,083171E+09	7,784909E+08
-792	4,657780E+08	2,288570E+08	1,118976E+08	1,119009E+08	2,288666E+08	4,657910E+08	7,785030E+08	1,083192E+09	1,278893E+09	1,278874E+09	1,083155E+09	7,784789E+08
-791	4,657802E+08	2,288603E+08	1,118921E+08	1,118857E+08	2,288445E+08	4,657657E+08	7,784791E+08	1,083177E+09	1,278904E+09	1,278914E+09	1,083203E+09	7,785170E+08
-790	4,657996E+08	2,288583E+08	1,118838E+08	1,118847E+08	2,288572E+08	4,657899E+08	7,785094E+08	1,083210E+09	1,278930E+09	1,278920E+09	1,083187E+09	7,784788E+08
-789	4,657579E+08	2,288314E+08	1,118679E+08	1,118681E+08	2,288321E+08	4,657602E+08	7,784812E+08	1,083191E+09	1,278930E+09	1,278937E+09	1,083209E+09	7,785009E+08
-788	4,657783E+08	2,288482E+08	1,118747E+08	1,118692E+08	2,288361E+08	4,657713E+08	7,784938E+08	1,083194E+09	1,278926E+09	1,278941E+09	1,083226E+09	7,785233E+08
-787	4,657826E+08	2,288354E+08	1,118665E+08	1,118719E+08	2,288503E+08	4,657948E+08	7,785221E+08	1,083219E+09	1,278928E+09	1,278911E+09	1,083176E+09	7,784739E+08
-786	4,657571E+08	2,288303E+08	1,118669E+08	1,118660E+08	2,288295E+08	4,657593E+08	7,784830E+08	1,083189E+09	1,278918E+09	1,278922E+09	1,083202E+09	7,785085E+08
-785	4,657944E+08	2,288606E+08	1,118846E+08	1,118815E+08	2,288520E+08	4,657878E+08	7,785073E+08	1,083199E+09	1,278911E+09	1,278907E+09	1,083191E+09	7,784991E+08
-784	4,657769E+08	2,288479E+08	1,118859E+08	1,118908E+08	2,288598E+08	4,657878E+08	7,785049E+08	1,083201E+09	1,278904E+09	1,278876E+09	1,083142E+09	7,784619E+08
-783	4,657722E+08	2,288645E+08	1,119044E+08	1,119018E+08	2,288596E+08	4,657687E+08	7,784612E+08	1,083141E+09	1,278859E+09	1,278873E+09	1,083175E+09	7,785059E+08
-782	4,658121E+08	2,288913E+08	1,119233E+08	1,119256E+08	2,288959E+08	4,658109E+08	7,784913E+08	1,083141E+09	1,278827E+09	1,278827E+09	1,083137E+09	7,784726E+08
-781	4,657834E+08	2,288799E+08	1,119271E+08	1,119323E+08	2,288945E+08	4,657994E+08	7,784741E+08	1,083118E+09	1,278796E+09	1,278794E+09	1,083113E+09	7,784704E+08
-780	4,658056E+08	2,289112E+08	1,119497E+08	1,119449E+08	2,289007E+08	4,657985E+08	7,784631E+08	1,083096E+09	1,278771E+09	1,278780E+09	1,083121E+09	7,784965E+08
-779	4,658276E+08	2,289183E+08	1,119557E+08	1,119597E+08	2,289271E+08	4,658301E+08	7,784906E+08	1,083113E+09	1,278766E+09	1,278744E+09	1,083062E+09	7,784364E+08
-778	4,657921E+08	2,289110E+08	1,119594E+08	1,119586E+08	2,289095E+08	4,657942E+08	7,784490E+08	1,083083E+09	1,278759E+09	1,278760E+09	1,083090E+09	7,784686E+08
-777	4,658234E+08	2,289351E+08	1,119716E+08	1,119667E+08	2,289235E+08	4,658141E+08	7,784641E+08	1,083088E+09	1,278761E+09	1,278770E+09	1,083108E+09	7,784801E+08
-776	4,658125E+08	2,289139E+08	1,119597E+08	1,119651E+08	2,289287E+08	4,658267E+08	7,784882E+08	1,083119E+09	1,278778E+09	1,278759E+09	1,083073E+09	7,784403E+08
-775	4,657899E+08	2,289052E+08	1,119518E+08	1,119490E+08	2,289010E+08	4,657921E+08	7,784542E+08	1,083094E+09	1,278780E+09	1,278796E+09	1,083130E+09	7,784932E+08
-774	4,658235E+08	2,289156E+08	1,119475E+08	1,119452E+08	2,289087E+08	4,658156E+08	7,784879E+08	1,083127E+09	1,278801E+09	1,278800E+09	1,083124E+09	7,784766E+08
-773	4,657920E+08	2,288843E+08	1,119269E+08	1,119288E+08	2,288882E+08	4,657950E+08	7,784815E+08	1,083145E+09	1,278835E+09	1,278823E+09	1,083119E+09	7,784632E+08
-772	4,657900E+08	2,288871E+08	1,119231E+08	1,119158E+08	2,288693E+08	4,657722E+08	7,784570E+08	1,083129E+09	1,278845E+09	1,278862E+09	1,083170E+09	7,785060E+08
-771	4,658118E+08	2,288854E+08	1,119147E+08	1,119160E+08	2,288875E+08	4,658072E+08	7,784942E+08	1,083156E+09	1,278853E+09	1,278850E+09	1,083141E+09	7,784622E+08
-770	4,657681E+08	2,288595E+08	1,119014E+08	1,119020E+08	2,288631E+08	4,657788E+08	7,784756E+08	1,083151E+09	1,278859E+09	1,278863E+09	1,083160E+09	7,784872E+08
-769	4,657900E+08	2,288738E+08	1,119069E+08	1,119025E+08	2,288657E+08	4,657860E+08	7,784845E+08	1,083156E+09	1,278861E+09	1,278869E+09	1,083177E+09	7,785092E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,657983E+08	2,288656E+08	1,119007E+08	1,119059E+08	2,288788E+08	4,658074E+08	7,785161E+08	1,083193E+09	1,278876E+09	1,278846E+09	1,083122E+09	7,784504E+08
-767	4,657661E+08	2,288595E+08	1,119019E+08	1,119013E+08	2,288595E+08	4,657719E+08	7,784698E+08	1,083150E+09	1,278860E+09	1,278863E+09	1,083159E+09	7,784897E+08
-766	4,658035E+08	2,288907E+08	1,119217E+08	1,119185E+08	2,288821E+08	4,657950E+08	7,784807E+08	1,083140E+09	1,278835E+09	1,278838E+09	1,083148E+09	7,784852E+08
-765	4,657921E+08	2,288813E+08	1,119250E+08	1,119306E+08	2,288954E+08	4,658026E+08	7,784805E+08	1,083133E+09	1,278818E+09	1,278808E+09	1,083105E+09	7,784518E+08
-764	4,657873E+08	2,288975E+08	1,119434E+08	1,119410E+08	2,288945E+08	4,657858E+08	7,784442E+08	1,083081E+09	1,278770E+09	1,278791E+09	1,083128E+09	7,784980E+08
-763	4,658329E+08	2,289261E+08	1,119611E+08	1,119632E+08	2,289307E+08	4,658303E+08	7,784786E+08	1,083086E+09	1,278734E+09	1,278729E+09	1,083071E+09	7,784524E+08
-762	4,658018E+08	2,289177E+08	1,119679E+08	1,119715E+08	2,289268E+08	4,658130E+08	7,784611E+08	1,083075E+09	1,278721E+09	1,278705E+09	1,083046E+09	7,784483E+08
-761	4,658204E+08	2,289452E+08	1,119891E+08	1,119834E+08	2,289318E+08	4,658076E+08	7,784423E+08	1,083048E+09	1,278704E+09	1,278710E+09	1,083067E+09	7,784758E+08
-760	4,658419E+08	2,289529E+08	1,119953E+08	1,119989E+08	2,289598E+08	4,658426E+08	7,784770E+08	1,083075E+09	1,278707E+09	1,278683E+09	1,083016E+09	7,784141E+08
-759	4,657986E+08	2,289390E+08	1,119946E+08	1,119951E+08	2,289429E+08	4,658123E+08	7,784384E+08	1,083040E+09	1,278696E+09	1,278703E+09	1,083055E+09	7,784551E+08
-758	4,658300E+08	2,289592E+08	1,120029E+08	1,119986E+08	2,289509E+08	4,658266E+08	7,784512E+08	1,083043E+09	1,278691E+09	1,278704E+09	1,083069E+09	7,784715E+08
-757	4,658273E+08	2,289403E+08	1,119893E+08	1,119949E+08	2,289544E+08	4,658376E+08	7,784744E+08	1,083076E+09	1,278718E+09	1,278705E+09	1,083039E+09	7,784303E+08
-756	4,658031E+08	2,289310E+08	1,119802E+08	1,119762E+08	2,289227E+08	4,657985E+08	7,784380E+08	1,083055E+09	1,278726E+09	1,278742E+09	1,083093E+09	7,784835E+08
-755	4,658390E+08	2,289433E+08	1,119765E+08	1,119732E+08	2,289323E+08	4,658229E+08	7,784677E+08	1,083078E+09	1,278734E+09	1,278735E+09	1,083079E+09	7,784588E+08
-754	4,658033E+08	2,289137E+08	1,119600E+08	1,119612E+08	2,289152E+08	4,658033E+08	7,784617E+08	1,083097E+09	1,278767E+09	1,278757E+09	1,083076E+09	7,784489E+08
-753	4,657992E+08	2,289119E+08	1,119549E+08	1,119490E+08	2,288994E+08	4,657861E+08	7,784402E+08	1,083078E+09	1,278772E+09	1,278795E+09	1,083129E+09	7,784938E+08
-752	4,658241E+08	2,289123E+08	1,119467E+08	1,119490E+08	2,289173E+08	4,658257E+08	7,784934E+08	1,083124E+09	1,278787E+09	1,278778E+09	1,083092E+09	7,784427E+08
-751	4,657759E+08	2,288838E+08	1,119315E+08	1,119336E+08	2,288923E+08	4,657973E+08	7,784749E+08	1,083123E+09	1,278801E+09	1,278795E+09	1,083112E+09	7,784683E+08
-750	4,657985E+08	2,288996E+08	1,119378E+08	1,119330E+08	2,288901E+08	4,657938E+08	7,784698E+08	1,083118E+09	1,278800E+09	1,278802E+09	1,083127E+09	7,784910E+08
-749	4,658122E+08	2,288967E+08	1,119353E+08	1,119400E+08	2,289065E+08	4,658146E+08	7,784933E+08	1,083142E+09	1,278816E+09	1,278795E+09	1,083086E+09	7,784344E+08
-748	4,657783E+08	2,288913E+08	1,119391E+08	1,119382E+08	2,288907E+08	4,657821E+08	7,784464E+08	1,083094E+09	1,278789E+09	1,278802E+09	1,083123E+09	7,784814E+08
-747	4,658212E+08	2,289245E+08	1,119597E+08	1,119570E+08	2,289176E+08	4,658122E+08	7,784602E+08	1,083076E+09	1,278742E+09	1,278754E+09	1,083099E+09	7,784721E+08
-746	4,658092E+08	2,289173E+08	1,119659E+08	1,119715E+08	2,289314E+08	4,658210E+08	7,784686E+08	1,083081E+09	1,278730E+09	1,278716E+09	1,083049E+09	7,784392E+08
-745	4,658052E+08	2,289313E+08	1,119828E+08	1,119807E+08	2,289291E+08	4,658019E+08	7,784309E+08	1,083033E+09	1,278690E+09	1,278705E+09	1,083068E+09	7,784799E+08
-744	4,658514E+08	2,289627E+08	1,120011E+08	1,120020E+08	2,289623E+08	4,658445E+08	7,784705E+08	1,083050E+09	1,278667E+09	1,278651E+09	1,083008E+09	7,784235E+08
-743	4,658108E+08	2,289504E+08	1,120068E+08	1,120105E+08	2,289601E+08	4,658275E+08	7,784484E+08	1,083034E+09	1,278659E+09	1,278641E+09	1,082998E+09	7,784246E+08
-742	4,658268E+08	2,289746E+08	1,120262E+08	1,120209E+08	2,289632E+08	4,658168E+08	7,784185E+08	1,082994E+09	1,278632E+09	1,278644E+09	1,083025E+09	7,784596E+08
-741	4,658526E+08	2,289826E+08	1,120312E+08	1,120358E+08	2,289929E+08	4,658572E+08	7,784563E+08	1,083016E+09	1,278634E+09	1,278628E+09	1,082987E+09	7,784063E+08
-740	4,658112E+08	2,289667E+08	1,120275E+08	1,120283E+08	2,289721E+08	4,658267E+08	7,784259E+08	1,082993E+09	1,278624E+09	1,278638E+09	1,083021E+09	7,784521E+08
-739	4,658487E+08	2,289877E+08	1,120330E+08	1,120283E+08	2,289766E+08	4,658372E+08	7,784360E+08	1,082995E+09	1,278614E+09	1,278625E+09	1,083019E+09	7,784580E+08
-738	4,658440E+08	2,289721E+08	1,120222E+08	1,120256E+08	2,289782E+08	4,658440E+08	7,784576E+08	1,083034E+09	1,278653E+09	1,278632E+09	1,082988E+09	7,784154E+08
-737	4,658162E+08	2,289592E+08	1,120122E+08	1,120076E+08	2,289480E+08	4,658043E+08	7,784161E+08	1,083008E+09	1,278663E+09	1,278679E+09	1,083048E+09	7,784657E+08
-736	4,658503E+08	2,289717E+08	1,120091E+08	1,120057E+08	2,289602E+08	4,658355E+08	7,784577E+08	1,083042E+09	1,278673E+09	1,278674E+09	1,083034E+09	7,784364E+08
-735	4,658065E+08	2,289366E+08	1,119900E+08	1,119935E+08	2,289467E+08	4,658243E+08	7,784598E+08	1,083063E+09	1,278708E+09	1,278697E+09	1,083037E+09	7,784321E+08
-734	4,658026E+08	2,289322E+08	1,119823E+08	1,119781E+08	2,289259E+08	4,658011E+08	7,784355E+08	1,083045E+09	1,278711E+09	1,278729E+09	1,083085E+09	7,784792E+08
-733	4,658345E+08	2,289368E+08	1,119751E+08	1,119782E+08	2,289433E+08	4,658388E+08	7,784849E+08	1,083090E+09	1,278737E+09	1,278729E+09	1,083056E+09	7,784299E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,657879E+08	2,289106E+08	1,119615E+08	1,119626E+08	2,289156E+08	4,658049E+08	7,784615E+08	1,083088E+09	1,278751E+09	1,278745E+09	1,083077E+09	7,784577E+08
-731	4,658139E+08	2,289300E+08	1,119706E+08	1,119652E+08	2,289161E+08	4,657991E+08	7,784451E+08	1,083064E+09	1,278730E+09	1,278737E+09	1,083085E+09	7,784765E+08
-730	4,658275E+08	2,289320E+08	1,119745E+08	1,119782E+08	2,289379E+08	4,658230E+08	7,784668E+08	1,083083E+09	1,278736E+09	1,278719E+09	1,083043E+09	7,784256E+08
-729	4,657943E+08	2,289242E+08	1,119785E+08	1,119785E+08	2,289264E+08	4,657967E+08	7,784231E+08	1,083029E+09	1,278697E+09	1,278718E+09	1,083075E+09	7,784714E+08
-728	4,658410E+08	2,289608E+08	1,120003E+08	1,119976E+08	2,289528E+08	4,658311E+08	7,784531E+08	1,083028E+09	1,278652E+09	1,278660E+09	1,083037E+09	7,784512E+08
-727	4,658228E+08	2,289512E+08	1,120054E+08	1,120117E+08	2,289673E+08	4,658403E+08	7,784610E+08	1,083037E+09	1,278650E+09	1,278626E+09	1,082985E+09	7,784138E+08
-726	4,658158E+08	2,289645E+08	1,120216E+08	1,120189E+08	2,289602E+08	4,658125E+08	7,784130E+08	1,082984E+09	1,278615E+09	1,278622E+09	1,083007E+09	7,784536E+08
-725	4,658630E+08	2,289977E+08	1,120413E+08	1,120421E+08	2,289964E+08	4,658564E+08	7,784480E+08	1,082996E+09	1,278602E+09	1,278594E+09	1,082966E+09	7,784033E+08
-724	4,658208E+08	2,289826E+08	1,120454E+08	1,120492E+08	2,289941E+08	4,658419E+08	7,784303E+08	1,082983E+09	1,278592E+09	1,278582E+09	1,082963E+09	7,784147E+08
-723	4,658408E+08	2,290050E+08	1,120617E+08	1,120576E+08	2,289971E+08	4,658338E+08	7,784031E+08	1,082939E+09	1,278551E+09	1,278570E+09	1,082983E+09	7,784499E+08
-722	4,658681E+08	2,290145E+08	1,120672E+08	1,120716E+08	2,290238E+08	4,658717E+08	7,784455E+08	1,082973E+09	1,278560E+09	1,278548E+09	1,082941E+09	7,784004E+08
-721	4,658281E+08	2,289956E+08	1,120603E+08	1,120610E+08	2,289998E+08	4,658376E+08	7,784118E+08	1,082951E+09	1,278558E+09	1,278567E+09	1,082974E+09	7,784400E+08
-720	4,658658E+08	2,290188E+08	1,120657E+08	1,120594E+08	2,290007E+08	4,658460E+08	7,784269E+08	1,082962E+09	1,278555E+09	1,278559E+09	1,082968E+09	7,784347E+08
-719	4,658508E+08	2,289986E+08	1,120537E+08	1,120574E+08	2,290054E+08	4,658543E+08	7,784441E+08	1,082996E+09	1,278597E+09	1,278575E+09	1,082946E+09	7,783939E+08
-718	4,658196E+08	2,289824E+08	1,120416E+08	1,120379E+08	2,289747E+08	4,658138E+08	7,783972E+08	1,082961E+09	1,278599E+09	1,278619E+09	1,083008E+09	7,784492E+08
-717	4,658567E+08	2,289952E+08	1,120381E+08	1,120363E+08	2,289891E+08	4,658511E+08	7,784444E+08	1,082995E+09	1,278614E+09	1,278623E+09	1,083002E+09	7,784259E+08
-716	4,658156E+08	2,289594E+08	1,120173E+08	1,120214E+08	2,289723E+08	4,658391E+08	7,784556E+08	1,083031E+09	1,278651E+09	1,278638E+09	1,083001E+09	7,784257E+08
-715	4,658177E+08	2,289575E+08	1,120094E+08	1,120054E+08	2,289494E+08	4,658099E+08	7,784233E+08	1,083007E+09	1,278648E+09	1,278660E+09	1,083039E+09	7,784654E+08
-714	4,658489E+08	2,289679E+08	1,120081E+08	1,120091E+08	2,289666E+08	4,658432E+08	7,784664E+08	1,083050E+09	1,278677E+09	1,278662E+09	1,083012E+09	7,784193E+08
-713	4,658027E+08	2,289418E+08	1,119969E+08	1,119974E+08	2,289436E+08	4,658106E+08	7,784356E+08	1,083034E+09	1,278683E+09	1,278683E+09	1,083037E+09	7,784452E+08
-712	4,658298E+08	2,289644E+08	1,120090E+08	1,120029E+08	2,289476E+08	4,658114E+08	7,784282E+08	1,083012E+09	1,278651E+09	1,278663E+09	1,083038E+09	7,784581E+08
-711	4,658369E+08	2,289630E+08	1,120126E+08	1,120180E+08	2,289750E+08	4,658440E+08	7,784568E+08	1,083032E+09	1,278655E+09	1,278639E+09	1,082993E+09	7,784085E+08
-710	4,658047E+08	2,289542E+08	1,120151E+08	1,120166E+08	2,289607E+08	4,658139E+08	7,784114E+08	1,082980E+09	1,278614E+09	1,278628E+09	1,083014E+09	7,784515E+08
-709	4,658547E+08	2,289933E+08	1,120375E+08	1,120357E+08	2,289870E+08	4,658475E+08	7,784390E+08	1,082981E+09	1,278584E+09	1,278588E+09	1,082982E+09	7,784307E+08
-708	4,658357E+08	2,289843E+08	1,120431E+08	1,120489E+08	2,289990E+08	4,658538E+08	7,784484E+08	1,082996E+09	1,278586E+09	1,278558E+09	1,082936E+09	7,783965E+08
-707	4,658299E+08	2,289979E+08	1,120596E+08	1,120572E+08	2,289926E+08	4,658222E+08	7,783899E+08	1,082929E+09	1,278539E+09	1,278549E+09	1,082958E+09	7,784353E+08
-706	4,658752E+08	2,290331E+08	1,120824E+08	1,120829E+08	2,290313E+08	4,658694E+08	7,784262E+08	1,082939E+09	1,278522E+09	1,278517E+09	1,082924E+09	7,783962E+08
-705	4,658362E+08	2,290151E+08	1,120842E+08	1,120888E+08	2,290293E+08	4,658578E+08	7,784117E+08	1,082925E+09	1,278508E+09	1,278506E+09	1,082920E+09	7,784075E+08
-704	4,658601E+08	2,290388E+08	1,120987E+08	1,120940E+08	2,290276E+08	4,658495E+08	7,783971E+08	1,082898E+09	1,278473E+09	1,278487E+09	1,082928E+09	7,784326E+08
-703	4,658813E+08	2,290451E+08	1,121017E+08	1,121060E+08	2,290534E+08	4,658851E+08	7,784358E+08	1,082936E+09	1,278495E+09	1,278474E+09	1,082887E+09	7,783800E+08
-702	4,658385E+08	2,290244E+08	1,120927E+08	1,120924E+08	2,290247E+08	4,658432E+08	7,783918E+08	1,082907E+09	1,278494E+09	1,278498E+09	1,082921E+09	7,784182E+08
-701	4,658752E+08	2,290473E+08	1,120983E+08	1,120921E+08	2,290288E+08	4,658544E+08	7,784036E+08	1,082913E+09	1,278500E+09	1,278511E+09	1,082932E+09	7,784184E+08
-700	4,658581E+08	2,290238E+08	1,120840E+08	1,120881E+08	2,290336E+08	4,658681E+08	7,784312E+08	1,082954E+09	1,278539E+09	1,278524E+09	1,082916E+09	7,783851E+08
-699	4,658292E+08	2,290055E+08	1,120693E+08	1,120671E+08	2,290023E+08	4,658286E+08	7,783877E+08	1,082920E+09	1,278533E+09	1,278555E+09	1,082969E+09	7,784385E+08
-698	4,658673E+08	2,290212E+08	1,120679E+08	1,120658E+08	2,290150E+08	4,658642E+08	7,784380E+08	1,082964E+09	1,278555E+09	1,278556E+09	1,082962E+09	7,784200E+08
-697	4,658300E+08	2,289855E+08	1,120465E+08	1,120502E+08	2,289962E+08	4,658478E+08	7,784423E+08	1,082997E+09	1,278598E+09	1,278580E+09	1,082960E+09	7,784142E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,658334E+08	2,289878E+08	1,120416E+08	1,120357E+08	2,289723E+08	4,658172E+08	7,784124E+08	1,082973E+09	1,278592E+09	1,278600E+09	1,082993E+09	7,784460E+08
-695	4,658573E+08	2,289964E+08	1,120424E+08	1,120436E+08	2,289957E+08	4,658518E+08	7,784463E+08	1,083003E+09	1,278613E+09	1,278600E+09	1,082970E+09	7,784016E+08
-694	4,658102E+08	2,289696E+08	1,120314E+08	1,120331E+08	2,289751E+08	4,658216E+08	7,784110E+08	1,082974E+09	1,278602E+09	1,278607E+09	1,082990E+09	7,784310E+08
-693	4,658417E+08	2,289945E+08	1,120452E+08	1,120408E+08	2,289833E+08	4,658295E+08	7,784094E+08	1,082952E+09	1,278571E+09	1,278591E+09	1,082993E+09	7,784464E+08
-692	4,658512E+08	2,289934E+08	1,120478E+08	1,120536E+08	2,290075E+08	4,658618E+08	7,784484E+08	1,082987E+09	1,278576E+09	1,278557E+09	1,082940E+09	7,783955E+08
-691	4,658221E+08	2,289870E+08	1,120509E+08	1,120525E+08	2,289918E+08	4,658263E+08	7,783963E+08	1,082933E+09	1,278535E+09	1,278540E+09	1,082951E+09	7,784290E+08
-690	4,658691E+08	2,290302E+08	1,120783E+08	1,120747E+08	2,290185E+08	4,658574E+08	7,784199E+08	1,082934E+09	1,278512E+09	1,278506E+09	1,082926E+09	7,784129E+08
-689	4,658500E+08	2,290198E+08	1,120845E+08	1,120900E+08	2,290339E+08	4,658655E+08	7,784254E+08	1,082942E+09	1,278513E+09	1,278489E+09	1,082889E+09	7,783803E+08
-688	4,658451E+08	2,290342E+08	1,121012E+08	1,120983E+08	2,290282E+08	4,658404E+08	7,783793E+08	1,082880E+09	1,278460E+09	1,278474E+09	1,082910E+09	7,784178E+08
-687	4,658849E+08	2,290643E+08	1,121216E+08	1,121235E+08	2,290685E+08	4,658902E+08	7,784183E+08	1,082894E+09	1,278446E+09	1,278441E+09	1,082876E+09	7,783820E+08
-686	4,658489E+08	2,290451E+08	1,121198E+08	1,121249E+08	2,290609E+08	4,658718E+08	7,783983E+08	1,082880E+09	1,278436E+09	1,278428E+09	1,082868E+09	7,783928E+08
-685	4,658754E+08	2,290701E+08	1,121332E+08	1,121283E+08	2,290571E+08	4,658603E+08	7,783773E+08	1,082853E+09	1,278416E+09	1,278429E+09	1,082883E+09	7,784165E+08
-684	4,658938E+08	2,290746E+08	1,121345E+08	1,121373E+08	2,290788E+08	4,658930E+08	7,784188E+08	1,082895E+09	1,278438E+09	1,278418E+09	1,082848E+09	7,783663E+08
-683	4,658509E+08	2,290524E+08	1,121243E+08	1,121242E+08	2,290516E+08	4,658493E+08	7,783676E+08	1,082855E+09	1,278426E+09	1,278434E+09	1,082879E+09	7,784024E+08
-682	4,658841E+08	2,290750E+08	1,121312E+08	1,121249E+08	2,290579E+08	4,658666E+08	7,783859E+08	1,082863E+09	1,278429E+09	1,278442E+09	1,082895E+09	7,784126E+08
-681	4,658703E+08	2,290493E+08	1,121149E+08	1,121197E+08	2,290626E+08	4,658840E+08	7,784206E+08	1,082910E+09	1,278471E+09	1,278459E+09	1,082878E+09	7,783780E+08
-680	4,658449E+08	2,290329E+08	1,120993E+08	1,120961E+08	2,290267E+08	4,658433E+08	7,783872E+08	1,082889E+09	1,278470E+09	1,278484E+09	1,082920E+09	7,784205E+08
-679	4,658759E+08	2,290463E+08	1,120979E+08	1,120955E+08	2,290402E+08	4,658753E+08	7,784297E+08	1,082934E+09	1,278503E+09	1,278494E+09	1,082914E+09	7,784001E+08
-678	4,658391E+08	2,290119E+08	1,120769E+08	1,120797E+08	2,290198E+08	4,658524E+08	7,784208E+08	1,082953E+09	1,278541E+09	1,278521E+09	1,082914E+09	7,783951E+08
-677	4,658427E+08	2,290154E+08	1,120743E+08	1,120689E+08	2,290013E+08	4,658252E+08	7,783851E+08	1,082920E+09	1,278535E+09	1,278551E+09	1,082958E+09	7,784324E+08
-676	4,658670E+08	2,290233E+08	1,120750E+08	1,120767E+08	2,290259E+08	4,658664E+08	7,784312E+08	1,082955E+09	1,278543E+09	1,278538E+09	1,082935E+09	7,783944E+08
-675	4,658243E+08	2,289970E+08	1,120641E+08	1,120673E+08	2,290067E+08	4,658369E+08	7,783973E+08	1,082922E+09	1,278519E+09	1,278525E+09	1,082939E+09	7,784177E+08
-674	4,658565E+08	2,290263E+08	1,120813E+08	1,120766E+08	2,290150E+08	4,658455E+08	7,783995E+08	1,082909E+09	1,278493E+09	1,278503E+09	1,082937E+09	7,784345E+08
-673	4,658687E+08	2,290270E+08	1,120853E+08	1,120903E+08	2,290389E+08	4,658754E+08	7,784338E+08	1,082943E+09	1,278507E+09	1,278481E+09	1,082884E+09	7,783767E+08
-672	4,658389E+08	2,290239E+08	1,120913E+08	1,120908E+08	2,290225E+08	4,658391E+08	7,783849E+08	1,082890E+09	1,278466E+09	1,278466E+09	1,082893E+09	7,784024E+08
-671	4,658768E+08	2,290634E+08	1,121199E+08	1,121168E+08	2,290552E+08	4,658719E+08	7,784009E+08	1,082884E+09	1,278441E+09	1,278437E+09	1,082876E+09	7,783915E+08
-670	4,658599E+08	2,290524E+08	1,121245E+08	1,121311E+08	2,290704E+08	4,658804E+08	7,784025E+08	1,082881E+09	1,278431E+09	1,278413E+09	1,082841E+09	7,783665E+08
-669	4,658594E+08	2,290673E+08	1,121406E+08	1,121390E+08	2,290654E+08	4,658580E+08	7,783602E+08	1,082824E+09	1,278384E+09	1,278404E+09	1,082867E+09	7,784088E+08
-668	4,659020E+08	2,290964E+08	1,121580E+08	1,121594E+08	2,290994E+08	4,659046E+08	7,784066E+08	1,082850E+09	1,278373E+09	1,278366E+09	1,082829E+09	7,783726E+08
-667	4,658681E+08	2,290777E+08	1,121550E+08	1,121595E+08	2,290889E+08	4,658793E+08	7,783769E+08	1,082829E+09	1,278359E+09	1,278349E+09	1,082813E+09	7,783750E+08
-666	4,658910E+08	2,291047E+08	1,121708E+08	1,121639E+08	2,290859E+08	4,658681E+08	7,783548E+08	1,082801E+09	1,278343E+09	1,278355E+09	1,082836E+09	7,784026E+08
-665	4,659074E+08	2,291059E+08	1,121705E+08	1,121727E+08	2,291093E+08	4,659038E+08	7,783961E+08	1,082841E+09	1,278368E+09	1,278355E+09	1,082806E+09	7,783518E+08
-664	4,658633E+08	2,290823E+08	1,121586E+08	1,121580E+08	2,290820E+08	4,658687E+08	7,783632E+08	1,082813E+09	1,278356E+09	1,278365E+09	1,082833E+09	7,783837E+08
-663	4,658891E+08	2,290983E+08	1,121624E+08	1,121578E+08	2,290891E+08	4,658867E+08	7,783853E+08	1,082833E+09	1,278370E+09	1,278376E+09	1,082848E+09	7,783946E+08
-662	4,658784E+08	2,290719E+08	1,121424E+08	1,121479E+08	2,290877E+08	4,658964E+08	7,784134E+08	1,082880E+09	1,278417E+09	1,278397E+09	1,082832E+09	7,783622E+08
-661	4,658554E+08	2,290574E+08	1,121274E+08	1,121242E+08	2,290506E+08	4,658521E+08	7,783724E+08	1,082858E+09	1,278431E+09	1,278441E+09	1,082884E+09	7,784062E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,658855E+08	2,290704E+08	1,121258E+08	1,121222E+08	2,290609E+08	4,658798E+08	7,784128E+08	1,082898E+09	1,278456E+09	1,278450E+09	1,082883E+09	7,783902E+08
-659	4,658510E+08	2,290372E+08	1,121066E+08	1,121098E+08	2,290445E+08	4,658562E+08	7,783931E+08	1,082897E+09	1,278472E+09	1,278461E+09	1,082877E+09	7,783839E+08
-658	4,658549E+08	2,290442E+08	1,121080E+08	1,121026E+08	2,290313E+08	4,658377E+08	7,783637E+08	1,082861E+09	1,278451E+09	1,278475E+09	1,082918E+09	7,784275E+08
-657	4,658834E+08	2,290530E+08	1,121094E+08	1,121113E+08	2,290569E+08	4,658818E+08	7,784165E+08	1,082901E+09	1,278461E+09	1,278458E+09	1,082886E+09	7,783839E+08
-656	4,658437E+08	2,290308E+08	1,121003E+08	1,121023E+08	2,290368E+08	4,658549E+08	7,783941E+08	1,082882E+09	1,278440E+09	1,278435E+09	1,082874E+09	7,783931E+08
-655	4,658673E+08	2,290583E+08	1,121195E+08	1,121146E+08	2,290476E+08	4,658606E+08	7,783895E+08	1,082872E+09	1,278427E+09	1,278425E+09	1,082873E+09	7,784051E+08
-654	4,658791E+08	2,290603E+08	1,121243E+08	1,121290E+08	2,290712E+08	4,658863E+08	7,784129E+08	1,082892E+09	1,278437E+09	1,278410E+09	1,082830E+09	7,783530E+08
-653	4,658495E+08	2,290577E+08	1,121322E+08	1,121325E+08	2,290596E+08	4,658535E+08	7,783606E+08	1,082835E+09	1,278402E+09	1,278408E+09	1,082853E+09	7,783866E+08
-652	4,658874E+08	2,290942E+08	1,121582E+08	1,121560E+08	2,290907E+08	4,658907E+08	7,783881E+08	1,082834E+09	1,278368E+09	1,278372E+09	1,082839E+09	7,783846E+08
-651	4,658768E+08	2,290838E+08	1,121619E+08	1,121697E+08	2,291045E+08	4,658953E+08	7,783858E+08	1,082827E+09	1,278348E+09	1,278332E+09	1,082793E+09	7,783562E+08
-650	4,658784E+08	2,291019E+08	1,121789E+08	1,121767E+08	2,290978E+08	4,658719E+08	7,783443E+08	1,082773E+09	1,278303E+09	1,278319E+09	1,082817E+09	7,784002E+08
-649	4,659223E+08	2,291316E+08	1,121961E+08	1,121958E+08	2,291289E+08	4,659144E+08	7,783867E+08	1,082800E+09	1,278300E+09	1,278293E+09	1,082779E+09	7,783574E+08
-648	4,658864E+08	2,291139E+08	1,121937E+08	1,121958E+08	2,291179E+08	4,658907E+08	7,783617E+08	1,082779E+09	1,278283E+09	1,278272E+09	1,082757E+09	7,783494E+08
-647	4,658975E+08	2,291341E+08	1,122079E+08	1,122018E+08	2,291197E+08	4,658832E+08	7,783385E+08	1,082752E+09	1,278272E+09	1,278285E+09	1,082785E+09	7,783792E+08
-646	4,659146E+08	2,291327E+08	1,122036E+08	1,122071E+08	2,291411E+08	4,659206E+08	7,783820E+08	1,082790E+09	1,278294E+09	1,278285E+09	1,082762E+09	7,783366E+08
-645	4,658730E+08	2,291075E+08	1,121893E+08	1,121900E+08	2,291116E+08	4,658849E+08	7,783538E+08	1,082777E+09	1,278302E+09	1,278308E+09	1,082794E+09	7,783712E+08
-644	4,658993E+08	2,291209E+08	1,121892E+08	1,121843E+08	2,291116E+08	4,658983E+08	7,783811E+08	1,082808E+09	1,278323E+09	1,278322E+09	1,082810E+09	7,783840E+08
-643	4,658919E+08	2,290967E+08	1,121698E+08	1,121745E+08	2,291073E+08	4,658979E+08	7,783932E+08	1,082841E+09	1,278364E+09	1,278341E+09	1,082791E+09	7,783474E+08
-642	4,658679E+08	2,290856E+08	1,121583E+08	1,121537E+08	2,290736E+08	4,658557E+08	7,783488E+08	1,082810E+09	1,278367E+09	1,278384E+09	1,082850E+09	7,783978E+08
-641	4,658992E+08	2,290988E+08	1,121583E+08	1,121540E+08	2,290873E+08	4,658872E+08	7,783880E+08	1,082842E+09	1,278386E+09	1,278393E+09	1,082851E+09	7,783818E+08
-640	4,658662E+08	2,290674E+08	1,121404E+08	1,121429E+08	2,290740E+08	4,658742E+08	7,783848E+08	1,082847E+09	1,278391E+09	1,278384E+09	1,082830E+09	7,783670E+08
-639	4,658641E+08	2,290714E+08	1,121423E+08	1,121385E+08	2,290649E+08	4,658583E+08	7,783595E+08	1,082822E+09	1,278379E+09	1,278396E+09	1,082862E+09	7,784060E+08
-638	4,658956E+08	2,290821E+08	1,121429E+08	1,121454E+08	2,290873E+08	4,658975E+08	7,784062E+08	1,082861E+09	1,278393E+09	1,278381E+09	1,082829E+09	7,783620E+08
-637	4,658560E+08	2,290621E+08	1,121365E+08	1,121387E+08	2,290683E+08	4,658680E+08	7,783792E+08	1,082845E+09	1,278389E+09	1,278377E+09	1,082826E+09	7,783710E+08
-636	4,658764E+08	2,290876E+08	1,121555E+08	1,121506E+08	2,290777E+08	4,658719E+08	7,783745E+08	1,082831E+09	1,278368E+09	1,278368E+09	1,082833E+09	7,783889E+08
-635	4,658903E+08	2,290906E+08	1,121617E+08	1,121677E+08	2,291041E+08	4,658961E+08	7,783866E+08	1,082831E+09	1,278358E+09	1,278341E+09	1,082790E+09	7,783412E+08
-634	4,658646E+08	2,290917E+08	1,121723E+08	1,121732E+08	2,290959E+08	4,658709E+08	7,783416E+08	1,082772E+09	1,278308E+09	1,278327E+09	1,082813E+09	7,783835E+08
-633	4,659085E+08	2,291295E+08	1,121979E+08	1,121953E+08	2,291241E+08	4,659053E+08	7,783705E+08	1,082776E+09	1,278279E+09	1,278287E+09	1,082790E+09	7,783761E+08
-632	4,659008E+08	2,291228E+08	1,122024E+08	1,122080E+08	2,291362E+08	4,659112E+08	7,783747E+08	1,082776E+09	1,278260E+09	1,278238E+09	1,082728E+09	7,783338E+08
-631	4,658935E+08	2,291381E+08	1,122200E+08	1,122170E+08	2,291316E+08	4,658853E+08	7,783276E+08	1,082725E+09	1,278228E+09	1,278236E+09	1,082750E+09	7,783710E+08
-630	4,659340E+08	2,291654E+08	1,122347E+08	1,122341E+08	2,291608E+08	4,659244E+08	7,783632E+08	1,082744E+09	1,278225E+09	1,278218E+09	1,082724E+09	7,783332E+08
-629	4,658955E+08	2,291450E+08	1,122312E+08	1,122344E+08	2,291530E+08	4,659065E+08	7,783440E+08	1,082732E+09	1,278222E+09	1,278213E+09	1,082715E+09	7,783314E+08
-628	4,659037E+08	2,291583E+08	1,122395E+08	1,122346E+08	2,291501E+08	4,659022E+08	7,783351E+08	1,082718E+09	1,278213E+09	1,278227E+09	1,082750E+09	7,783676E+08
-627	4,659244E+08	2,291560E+08	1,122325E+08	1,122373E+08	2,291672E+08	4,659327E+08	7,783730E+08	1,082753E+09	1,278233E+09	1,278223E+09	1,082722E+09	7,783263E+08
-626	4,658866E+08	2,291341E+08	1,122185E+08	1,122185E+08	2,291356E+08	4,658951E+08	7,783432E+08	1,082743E+09	1,278244E+09	1,278250E+09	1,082759E+09	7,783640E+08
-625	4,659144E+08	2,291482E+08	1,122186E+08	1,122119E+08	2,291318E+08	4,659017E+08	7,783621E+08	1,082769E+09	1,278272E+09	1,278274E+09	1,082777E+09	7,783739E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,659074E+08	2,291266E+08	1,122014E+08	1,122039E+08	2,291299E+08	4,659042E+08	7,783746E+08	1,082794E+09	1,278299E+09	1,278281E+09	1,082751E+09	7,783302E+08
-623	4,658754E+08	2,291118E+08	1,121911E+08	1,121876E+08	2,291041E+08	4,658681E+08	7,783297E+08	1,082759E+09	1,278297E+09	1,278318E+09	1,082806E+09	7,783804E+08
-622	4,659088E+08	2,291250E+08	1,121898E+08	1,121871E+08	2,291175E+08	4,659023E+08	7,783719E+08	1,082787E+09	1,278305E+09	1,278318E+09	1,082806E+09	7,783689E+08
-621	4,658786E+08	2,290950E+08	1,121729E+08	1,121769E+08	2,291055E+08	4,658912E+08	7,783762E+08	1,082809E+09	1,278327E+09	1,278313E+09	1,082781E+09	7,783504E+08
-620	4,658746E+08	2,290973E+08	1,121731E+08	1,121696E+08	2,290923E+08	4,658735E+08	7,783564E+08	1,082794E+09	1,278323E+09	1,278329E+09	1,082812E+09	7,783866E+08
-619	4,659071E+08	2,291111E+08	1,121764E+08	1,121787E+08	2,291139E+08	4,659047E+08	7,783876E+08	1,082816E+09	1,278329E+09	1,278314E+09	1,082778E+09	7,783420E+08
-618	4,658687E+08	2,290948E+08	1,121738E+08	1,121756E+08	2,290993E+08	4,658782E+08	7,783576E+08	1,082792E+09	1,278315E+09	1,278311E+09	1,082786E+09	7,783586E+08
-617	4,658907E+08	2,291207E+08	1,121942E+08	1,121894E+08	2,291106E+08	4,658845E+08	7,783529E+08	1,082773E+09	1,278292E+09	1,278301E+09	1,082796E+09	7,783807E+08
-616	4,659085E+08	2,291264E+08	1,122019E+08	1,122073E+08	2,291388E+08	4,659155E+08	7,783754E+08	1,082775E+09	1,278267E+09	1,278254E+09	1,082738E+09	7,783263E+08
-615	4,658791E+08	2,291257E+08	1,122131E+08	1,122150E+08	2,291333E+08	4,658904E+08	7,783315E+08	1,082725E+09	1,278225E+09	1,278237E+09	1,082751E+09	7,783638E+08
-614	4,659264E+08	2,291653E+08	1,122371E+08	1,122343E+08	2,291571E+08	4,659185E+08	7,783526E+08	1,082723E+09	1,278199E+09	1,278203E+09	1,082731E+09	7,783555E+08
-613	4,659169E+08	2,291593E+08	1,122428E+08	1,122478E+08	2,291692E+08	4,659217E+08	7,783541E+08	1,082729E+09	1,278197E+09	1,278169E+09	1,082675E+09	7,783107E+08
-612	4,659033E+08	2,291694E+08	1,122573E+08	1,122543E+08	2,291632E+08	4,658973E+08	7,783110E+08	1,082680E+09	1,278162E+09	1,278171E+09	1,082706E+09	7,783513E+08
-611	4,659427E+08	2,291944E+08	1,122707E+08	1,122712E+08	2,291927E+08	4,659353E+08	7,783395E+08	1,082686E+09	1,278147E+09	1,278147E+09	1,082680E+09	7,783194E+08
-610	4,659074E+08	2,291745E+08	1,122662E+08	1,122701E+08	2,291856E+08	4,659241E+08	7,783324E+08	1,082682E+09	1,278141E+09	1,278140E+09	1,082678E+09	7,783255E+08
-609	4,659191E+08	2,291868E+08	1,122718E+08	1,122667E+08	2,291772E+08	4,659149E+08	7,783257E+08	1,082679E+09	1,278147E+09	1,278161E+09	1,082710E+09	7,783596E+08
-608	4,659421E+08	2,291871E+08	1,122647E+08	1,122672E+08	2,291914E+08	4,659441E+08	7,783640E+08	1,082716E+09	1,278169E+09	1,278152E+09	1,082674E+09	7,783086E+08
-607	4,658978E+08	2,291631E+08	1,122517E+08	1,122509E+08	2,291621E+08	4,659035E+08	7,783273E+08	1,082704E+09	1,278188E+09	1,278189E+09	1,082711E+09	7,783429E+08
-606	4,659248E+08	2,291762E+08	1,122501E+08	1,122433E+08	2,291576E+08	4,659073E+08	7,783371E+08	1,082716E+09	1,278206E+09	1,278216E+09	1,082739E+09	7,783582E+08
-605	4,659164E+08	2,291535E+08	1,122334E+08	1,122370E+08	2,291600E+08	4,659166E+08	7,783571E+08	1,082750E+09	1,278241E+09	1,278225E+09	1,082715E+09	7,783175E+08
-604	4,658822E+08	2,291338E+08	1,122193E+08	1,122177E+08	2,291329E+08	4,658868E+08	7,783277E+08	1,082726E+09	1,278236E+09	1,278254E+09	1,082767E+09	7,783686E+08
-603	4,659180E+08	2,291476E+08	1,122177E+08	1,122166E+08	2,291435E+08	4,659143E+08	7,783627E+08	1,082750E+09	1,278240E+09	1,278246E+09	1,082759E+09	7,783557E+08
-602	4,658924E+08	2,291231E+08	1,122038E+08	1,122077E+08	2,291325E+08	4,659047E+08	7,783681E+08	1,082773E+09	1,278263E+09	1,278247E+09	1,082739E+09	7,783377E+08
-601	4,658888E+08	2,291275E+08	1,122064E+08	1,122016E+08	2,291169E+08	4,658799E+08	7,783390E+08	1,082752E+09	1,278265E+09	1,278271E+09	1,082771E+09	7,783708E+08
-600	4,659205E+08	2,291445E+08	1,122133E+08	1,122141E+08	2,291430E+08	4,659152E+08	7,783678E+08	1,082763E+09	1,278254E+09	1,278243E+09	1,082732E+09	7,783237E+08
-599	4,658789E+08	2,291272E+08	1,122136E+08	1,122166E+08	2,291362E+08	4,658944E+08	7,783377E+08	1,082735E+09	1,278235E+09	1,278234E+09	1,082736E+09	7,783418E+08
-598	4,659053E+08	2,291537E+08	1,122327E+08	1,122289E+08	2,291454E+08	4,658996E+08	7,783331E+08	1,082711E+09	1,278201E+09	1,278216E+09	1,082746E+09	7,783687E+08
-597	4,659265E+08	2,291621E+08	1,122420E+08	1,122477E+08	2,291740E+08	4,659304E+08	7,783611E+08	1,082730E+09	1,278192E+09	1,278170E+09	1,082682E+09	7,783103E+08
-596	4,658948E+08	2,291594E+08	1,122511E+08	1,122527E+08	2,291654E+08	4,659044E+08	7,783202E+08	1,082683E+09	1,278154E+09	1,278156E+09	1,082693E+09	7,783431E+08
-595	4,659402E+08	2,291994E+08	1,122763E+08	1,122729E+08	2,291876E+08	4,659250E+08	7,783267E+08	1,082666E+09	1,278120E+09	1,278124E+09	1,082675E+09	7,783343E+08
-594	4,659303E+08	2,291948E+08	1,122833E+08	1,122881E+08	2,292046E+08	4,659357E+08	7,783323E+08	1,082669E+09	1,278112E+09	1,278096E+09	1,082632E+09	7,782957E+08
-593	4,659157E+08	2,292021E+08	1,122958E+08	1,122928E+08	2,291971E+08	4,659134E+08	7,782951E+08	1,082628E+09	1,278087E+09	1,278104E+09	1,082666E+09	7,783392E+08
-592	4,659559E+08	2,292263E+08	1,123072E+08	1,123074E+08	2,292259E+08	4,659564E+08	7,783342E+08	1,082641E+09	1,278069E+09	1,278068E+09	1,082632E+09	7,783047E+08
-591	4,659193E+08	2,292036E+08	1,123011E+08	1,123059E+08	2,292182E+08	4,659420E+08	7,783276E+08	1,082650E+09	1,278081E+09	1,278069E+09	1,082625E+09	7,783076E+08
-590	4,659328E+08	2,292153E+08	1,123032E+08	1,122979E+08	2,292030E+08	4,659241E+08	7,783116E+08	1,082641E+09	1,278090E+09	1,278101E+09	1,082667E+09	7,783446E+08
-589	4,659542E+08	2,292161E+08	1,122971E+08	1,122988E+08	2,292164E+08	4,659489E+08	7,783457E+08	1,082683E+09	1,278123E+09	1,278102E+09	1,082637E+09	7,782934E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,659045E+08	2,291867E+08	1,122807E+08	1,122805E+08	2,291874E+08	4,659121E+08	7,783111E+08	1,082664E+09	1,278134E+09	1,278138E+09	1,082679E+09	7,783308E+08
-587	4,659318E+08	2,291990E+08	1,122789E+08	1,122733E+08	2,291837E+08	4,659153E+08	7,783138E+08	1,082660E+09	1,278133E+09	1,278152E+09	1,082703E+09	7,783505E+08
-586	4,659286E+08	2,291790E+08	1,122627E+08	1,122670E+08	2,291879E+08	4,659317E+08	7,783454E+08	1,082700E+09	1,278161E+09	1,278153E+09	1,082678E+09	7,783113E+08
-585	4,658976E+08	2,291609E+08	1,122488E+08	1,122467E+08	2,291573E+08	4,658981E+08	7,783190E+08	1,082690E+09	1,278173E+09	1,278185E+09	1,082721E+09	7,783560E+08
-584	4,659335E+08	2,291786E+08	1,122501E+08	1,122468E+08	2,291684E+08	4,659254E+08	7,783516E+08	1,082712E+09	1,278174E+09	1,278170E+09	1,082701E+09	7,783330E+08
-583	4,659028E+08	2,291542E+08	1,122398E+08	1,122432E+08	2,291623E+08	4,659148E+08	7,783517E+08	1,082732E+09	1,278203E+09	1,278179E+09	1,082683E+09	7,783132E+08
-582	4,658991E+08	2,291584E+08	1,122425E+08	1,122383E+08	2,291482E+08	4,658898E+08	7,783156E+08	1,082698E+09	1,278193E+09	1,278207E+09	1,082729E+09	7,783552E+08
-581	4,659310E+08	2,291762E+08	1,122516E+08	1,122533E+08	2,291778E+08	4,659296E+08	7,783509E+08	1,082716E+09	1,278186E+09	1,278176E+09	1,082692E+09	7,783116E+08
-580	4,658895E+08	2,291559E+08	1,122495E+08	1,122541E+08	2,291709E+08	4,659140E+08	7,783309E+08	1,082693E+09	1,278162E+09	1,278160E+09	1,082690E+09	7,783299E+08
-579	4,659196E+08	2,291850E+08	1,122695E+08	1,122664E+08	2,291773E+08	4,659110E+08	7,783138E+08	1,082659E+09	1,278120E+09	1,278133E+09	1,082692E+09	7,783550E+08
-578	4,659451E+08	2,291982E+08	1,122811E+08	1,122861E+08	2,292070E+08	4,659440E+08	7,783435E+08	1,082676E+09	1,278111E+09	1,278091E+09	1,082632E+09	7,782952E+08
-577	4,659122E+08	2,291963E+08	1,122917E+08	1,122919E+08	2,291968E+08	4,659138E+08	7,782991E+08	1,082631E+09	1,278080E+09	1,278083E+09	1,082643E+09	7,783249E+08
-576	4,659543E+08	2,292359E+08	1,123176E+08	1,123134E+08	2,292231E+08	4,659402E+08	7,783057E+08	1,082606E+09	1,278033E+09	1,278039E+09	1,082620E+09	7,783135E+08
-575	4,659407E+08	2,292283E+08	1,123247E+08	1,123308E+08	2,292444E+08	4,659571E+08	7,783190E+08	1,082615E+09	1,278030E+09	1,278013E+09	1,082576E+09	7,782774E+08
-574	4,659290E+08	2,292332E+08	1,123325E+08	1,123307E+08	2,292314E+08	4,659318E+08	7,782841E+08	1,082578E+09	1,278008E+09	1,278026E+09	1,082617E+09	7,783257E+08
-573	4,659695E+08	2,292572E+08	1,123427E+08	1,123430E+08	2,292565E+08	4,659699E+08	7,783268E+08	1,082613E+09	1,278014E+09	1,278000E+09	1,082583E+09	7,782898E+08
-572	4,659314E+08	2,292315E+08	1,123328E+08	1,123371E+08	2,292442E+08	4,659526E+08	7,783181E+08	1,082621E+09	1,278034E+09	1,278013E+09	1,082582E+09	7,782912E+08
-571	4,659426E+08	2,292419E+08	1,123342E+08	1,123282E+08	2,292257E+08	4,659246E+08	7,782839E+08	1,082592E+09	1,278031E+09	1,278045E+09	1,082628E+09	7,783314E+08
-570	4,659659E+08	2,292439E+08	1,123286E+08	1,123299E+08	2,292433E+08	4,659574E+08	7,783229E+08	1,082627E+09	1,278052E+09	1,278047E+09	1,082609E+09	7,782867E+08
-569	4,659169E+08	2,292131E+08	1,123110E+08	1,123104E+08	2,292132E+08	4,659233E+08	7,782956E+08	1,082617E+09	1,278065E+09	1,278077E+09	1,082644E+09	7,783230E+08
-568	4,659443E+08	2,292253E+08	1,123086E+08	1,123028E+08	2,292110E+08	4,659319E+08	7,783060E+08	1,082617E+09	1,278058E+09	1,278074E+09	1,082653E+09	7,783363E+08
-567	4,659406E+08	2,292059E+08	1,122939E+08	1,122986E+08	2,292173E+08	4,659483E+08	7,783403E+08	1,082668E+09	1,278102E+09	1,278081E+09	1,082621E+09	7,782910E+08
-566	4,659101E+08	2,291885E+08	1,122793E+08	1,122767E+08	2,291824E+08	4,659075E+08	7,783053E+08	1,082653E+09	1,278117E+09	1,278125E+09	1,082674E+09	7,783359E+08
-565	4,659421E+08	2,292073E+08	1,122840E+08	1,122802E+08	2,291955E+08	4,659321E+08	7,783356E+08	1,082680E+09	1,278128E+09	1,278116E+09	1,082660E+09	7,783143E+08
-564	4,659090E+08	2,291801E+08	1,122726E+08	1,122771E+08	2,291927E+08	4,659271E+08	7,783354E+08	1,082690E+09	1,278145E+09	1,278124E+09	1,082647E+09	7,782995E+08
-563	4,659066E+08	2,291847E+08	1,122765E+08	1,122737E+08	2,291792E+08	4,659007E+08	7,782919E+08	1,082637E+09	1,278111E+09	1,278134E+09	1,082689E+09	7,783481E+08
-562	4,659472E+08	2,292072E+08	1,122876E+08	1,122898E+08	2,292110E+08	4,659466E+08	7,783365E+08	1,082658E+09	1,278095E+09	1,278095E+09	1,082649E+09	7,783059E+08
-561	4,659101E+08	2,291906E+08	1,122872E+08	1,122908E+08	2,292014E+08	4,659265E+08	7,783162E+08	1,082645E+09	1,278084E+09	1,278077E+09	1,082635E+09	7,783163E+08
-560	4,659398E+08	2,292235E+08	1,123100E+08	1,123049E+08	2,292099E+08	4,659244E+08	7,782942E+08	1,082603E+09	1,278035E+09	1,278042E+09	1,082626E+09	7,783316E+08
-559	4,659604E+08	2,292365E+08	1,123248E+08	1,123292E+08	2,292444E+08	4,659586E+08	7,783228E+08	1,082621E+09	1,278031E+09	1,278007E+09	1,082566E+09	7,782686E+08
-558	4,659253E+08	2,292320E+08	1,123335E+08	1,123343E+08	2,292343E+08	4,659297E+08	7,782782E+08	1,082573E+09	1,277999E+09	1,278006E+09	1,082591E+09	7,783047E+08
-557	4,659640E+08	2,292689E+08	1,123585E+08	1,123553E+08	2,292609E+08	4,659594E+08	7,782970E+08	1,082567E+09	1,277964E+09	1,277965E+09	1,082570E+09	7,782966E+08
-556	4,659499E+08	2,292561E+08	1,123600E+08	1,123678E+08	2,292788E+08	4,659784E+08	7,783180E+08	1,082585E+09	1,277969E+09	1,277945E+09	1,082530E+09	7,782632E+08
-555	4,659404E+08	2,292612E+08	1,123659E+08	1,123643E+08	2,292593E+08	4,659420E+08	7,782693E+08	1,082537E+09	1,277946E+09	1,277960E+09	1,082573E+09	7,783143E+08
-554	4,659856E+08	2,292880E+08	1,123762E+08	1,123748E+08	2,292822E+08	4,659778E+08	7,783081E+08	1,082565E+09	1,277950E+09	1,277944E+09	1,082549E+09	7,782803E+08
-553	4,659474E+08	2,292626E+08	1,123665E+08	1,123685E+08	2,292675E+08	4,659548E+08	7,782928E+08	1,082572E+09	1,277974E+09	1,277961E+09	1,082548E+09	7,782812E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,659566E+08	2,292720E+08	1,123675E+08	1,123606E+08	2,292540E+08	4,659337E+08	7,782563E+08	1,082530E+09	1,277952E+09	1,277974E+09	1,082585E+09	7,783183E+08
-551	4,659771E+08	2,292718E+08	1,123620E+08	1,123640E+08	2,292749E+08	4,659731E+08	7,783067E+08	1,082573E+09	1,277974E+09	1,277970E+09	1,082557E+09	7,782722E+08
-550	4,659303E+08	2,292395E+08	1,123414E+08	1,123416E+08	2,292415E+08	4,659386E+08	7,782862E+08	1,082573E+09	1,277991E+09	1,278002E+09	1,082595E+09	7,783079E+08
-549	4,659555E+08	2,292520E+08	1,123396E+08	1,123336E+08	2,292373E+08	4,659440E+08	7,783020E+08	1,082595E+09	1,278007E+09	1,278006E+09	1,082600E+09	7,783152E+08
-548	4,659484E+08	2,292307E+08	1,123235E+08	1,123282E+08	2,292430E+08	4,659611E+08	7,783343E+08	1,082643E+09	1,278058E+09	1,278027E+09	1,082575E+09	7,782694E+08
-547	4,659155E+08	2,292134E+08	1,123103E+08	1,123078E+08	2,292076E+08	4,659129E+08	7,782824E+08	1,082606E+09	1,278059E+09	1,278072E+09	1,082636E+09	7,783204E+08
-546	4,659513E+08	2,292341E+08	1,123167E+08	1,123134E+08	2,292256E+08	4,659453E+08	7,783163E+08	1,082625E+09	1,278057E+09	1,278062E+09	1,082631E+09	7,783074E+08
-545	4,659227E+08	2,292087E+08	1,123064E+08	1,123110E+08	2,292221E+08	4,659410E+08	7,783213E+08	1,082642E+09	1,278074E+09	1,278059E+09	1,082611E+09	7,782938E+08
-544	4,659236E+08	2,292159E+08	1,123118E+08	1,123091E+08	2,292116E+08	4,659175E+08	7,782778E+08	1,082586E+09	1,278028E+09	1,278047E+09	1,082634E+09	7,783355E+08
-543	4,659657E+08	2,292418E+08	1,123264E+08	1,123283E+08	2,292449E+08	4,659626E+08	7,783237E+08	1,082612E+09	1,278020E+09	1,278009E+09	1,082584E+09	7,782861E+08
-542	4,659289E+08	2,292270E+08	1,123269E+08	1,123296E+08	2,292335E+08	4,659381E+08	7,782971E+08	1,082593E+09	1,278007E+09	1,277999E+09	1,082578E+09	7,782933E+08
-541	4,659523E+08	2,292596E+08	1,123522E+08	1,123466E+08	2,292446E+08	4,659358E+08	7,782768E+08	1,082560E+09	1,277967E+09	1,277967E+09	1,082570E+09	7,783071E+08
-540	4,659688E+08	2,292682E+08	1,123645E+08	1,123704E+08	2,292826E+08	4,659781E+08	7,783082E+08	1,082572E+09	1,277959E+09	1,277936E+09	1,082517E+09	7,782493E+08
-539	4,659335E+08	2,292619E+08	1,123716E+08	1,123735E+08	2,292691E+08	4,659453E+08	7,782590E+08	1,082514E+09	1,277914E+09	1,277928E+09	1,082544E+09	7,782928E+08
-538	4,659789E+08	2,293000E+08	1,123955E+08	1,123926E+08	2,292944E+08	4,659771E+08	7,782857E+08	1,082516E+09	1,277885E+09	1,277892E+09	1,082528E+09	7,782883E+08
-537	4,659696E+08	2,292901E+08	1,123966E+08	1,124025E+08	2,293059E+08	4,659870E+08	7,783023E+08	1,082544E+09	1,277905E+09	1,277878E+09	1,082485E+09	7,782516E+08
-536	4,659589E+08	2,292958E+08	1,124025E+08	1,123987E+08	2,292871E+08	4,659492E+08	7,782445E+08	1,082483E+09	1,277872E+09	1,277887E+09	1,082522E+09	7,782970E+08
-535	4,660005E+08	2,293217E+08	1,124142E+08	1,124118E+08	2,293129E+08	4,659870E+08	7,782840E+08	1,082510E+09	1,277878E+09	1,277875E+09	1,082498E+09	7,782626E+08
-534	4,659608E+08	2,292928E+08	1,124013E+08	1,124035E+08	2,292981E+08	4,659668E+08	7,782708E+08	1,082514E+09	1,277896E+09	1,277893E+09	1,082507E+09	7,782666E+08
-533	4,659659E+08	2,292988E+08	1,124006E+08	1,123946E+08	2,292848E+08	4,659504E+08	7,782508E+08	1,082495E+09	1,277886E+09	1,277903E+09	1,082538E+09	7,783017E+08
-532	4,659846E+08	2,292938E+08	1,123902E+08	1,123940E+08	2,293040E+08	4,659931E+08	7,783078E+08	1,082548E+09	1,277920E+09	1,277907E+09	1,082511E+09	7,782542E+08
-531	4,659370E+08	2,292616E+08	1,123685E+08	1,123690E+08	2,292652E+08	4,659492E+08	7,782768E+08	1,082542E+09	1,277940E+09	1,277943E+09	1,082550E+09	7,782912E+08
-530	4,659647E+08	2,292760E+08	1,123680E+08	1,123616E+08	2,292610E+08	4,659541E+08	7,782906E+08	1,082558E+09	1,277957E+09	1,277961E+09	1,082568E+09	7,783012E+08
-529	4,659590E+08	2,292571E+08	1,123540E+08	1,123574E+08	2,292655E+08	4,659657E+08	7,783155E+08	1,082604E+09	1,278008E+09	1,277983E+09	1,082546E+09	7,782594E+08
-528	4,659271E+08	2,292408E+08	1,123424E+08	1,123401E+08	2,292368E+08	4,659243E+08	7,782585E+08	1,082547E+09	1,277983E+09	1,278004E+09	1,082597E+09	7,783111E+08
-527	4,659658E+08	2,292638E+08	1,123519E+08	1,123490E+08	2,292575E+08	4,659610E+08	7,783002E+08	1,082569E+09	1,277975E+09	1,277982E+09	1,082581E+09	7,782970E+08
-526	4,659421E+08	2,292405E+08	1,123419E+08	1,123465E+08	2,292527E+08	4,659547E+08	7,783061E+08	1,082590E+09	1,277991E+09	1,277976E+09	1,082558E+09	7,782800E+08
-525	4,659417E+08	2,292510E+08	1,123505E+08	1,123469E+08	2,292426E+08	4,659293E+08	7,782667E+08	1,082549E+09	1,277958E+09	1,277964E+09	1,082571E+09	7,783121E+08
-524	4,659787E+08	2,292751E+08	1,123649E+08	1,123666E+08	2,292776E+08	4,659763E+08	7,783089E+08	1,082570E+09	1,277954E+09	1,277936E+09	1,082526E+09	7,782598E+08
-523	4,659378E+08	2,292602E+08	1,123671E+08	1,123697E+08	2,292674E+08	4,659490E+08	7,782721E+08	1,082534E+09	1,277929E+09	1,277925E+09	1,082527E+09	7,782725E+08
-522	4,659631E+08	2,292922E+08	1,123924E+08	1,123876E+08	2,292819E+08	4,659547E+08	7,782588E+08	1,082497E+09	1,277883E+09	1,277898E+09	1,082528E+09	7,782923E+08
-521	4,659823E+08	2,293013E+08	1,124039E+08	1,124097E+08	2,293166E+08	4,659955E+08	7,782970E+08	1,082524E+09	1,277883E+09	1,277864E+09	1,082475E+09	7,782398E+08
-520	4,659510E+08	2,292957E+08	1,124100E+08	1,124120E+08	2,293041E+08	4,659629E+08	7,782445E+08	1,082463E+09	1,277834E+09	1,277844E+09	1,082490E+09	7,782792E+08
-519	4,659977E+08	2,293353E+08	1,124347E+08	1,124310E+08	2,293267E+08	4,659908E+08	7,782707E+08	1,082470E+09	1,277815E+09	1,277814E+09	1,082470E+09	7,782714E+08
-518	4,659888E+08	2,293255E+08	1,124350E+08	1,124395E+08	2,293352E+08	4,659946E+08	7,782798E+08	1,082491E+09	1,277835E+09	1,277811E+09	1,082440E+09	7,782351E+08
-517	4,659723E+08	2,293289E+08	1,124408E+08	1,124366E+08	2,293178E+08	4,659575E+08	7,782251E+08	1,082438E+09	1,277804E+09	1,277818E+09	1,082475E+09	7,782777E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,660081E+08	2,293483E+08	1,124479E+08	1,124471E+08	2,293458E+08	4,660039E+08	7,782697E+08	1,082461E+09	1,277807E+09	1,277808E+09	1,082456E+09	7,782459E+08
-515	4,659671E+08	2,293169E+08	1,124321E+08	1,124355E+08	2,293273E+08	4,659821E+08	7,782576E+08	1,082463E+09	1,277818E+09	1,277819E+09	1,082462E+09	7,782537E+08
-514	4,659767E+08	2,293227E+08	1,124291E+08	1,124238E+08	2,293119E+08	4,659674E+08	7,782463E+08	1,082457E+09	1,277821E+09	1,277840E+09	1,082496E+09	7,782876E+08
-513	4,659979E+08	2,293205E+08	1,124188E+08	1,124210E+08	2,293252E+08	4,660015E+08	7,783000E+08	1,082522E+09	1,277875E+09	1,277853E+09	1,082471E+09	7,782404E+08
-512	4,659501E+08	2,292892E+08	1,123982E+08	1,123977E+08	2,292889E+08	4,659558E+08	7,782576E+08	1,082500E+09	1,277884E+09	1,277885E+09	1,082507E+09	7,782740E+08
-511	4,659756E+08	2,293040E+08	1,124006E+08	1,123939E+08	2,292880E+08	4,659630E+08	7,782715E+08	1,082513E+09	1,277897E+09	1,277903E+09	1,082527E+09	7,782874E+08
-510	4,659716E+08	2,292850E+08	1,123867E+08	1,123903E+08	2,292936E+08	4,659766E+08	7,782965E+08	1,082551E+09	1,277937E+09	1,277923E+09	1,082513E+09	7,782501E+08
-509	4,659391E+08	2,292687E+08	1,123762E+08	1,123746E+08	2,292668E+08	4,659393E+08	7,782524E+08	1,082511E+09	1,277914E+09	1,277932E+09	1,082551E+09	7,782975E+08
-508	4,659781E+08	2,292911E+08	1,123845E+08	1,123829E+08	2,292885E+08	4,659783E+08	7,782938E+08	1,082533E+09	1,277911E+09	1,277912E+09	1,082531E+09	7,782795E+08
-507	4,659543E+08	2,292707E+08	1,123762E+08	1,123804E+08	2,292809E+08	4,659646E+08	7,782873E+08	1,082541E+09	1,277919E+09	1,277902E+09	1,082505E+09	7,782607E+08
-506	4,659552E+08	2,292834E+08	1,123878E+08	1,123838E+08	2,292738E+08	4,659415E+08	7,782477E+08	1,082495E+09	1,277886E+09	1,277899E+09	1,082525E+09	7,782922E+08
-505	4,659920E+08	2,293095E+08	1,124044E+08	1,124053E+08	2,293093E+08	4,659861E+08	7,782863E+08	1,082516E+09	1,277881E+09	1,277868E+09	1,082483E+09	7,782444E+08
-504	4,659509E+08	2,292936E+08	1,124069E+08	1,124107E+08	2,293052E+08	4,659661E+08	7,782489E+08	1,082467E+09	1,277836E+09	1,277839E+09	1,082474E+09	7,782574E+08
-503	4,659783E+08	2,293262E+08	1,124333E+08	1,124294E+08	2,293198E+08	4,659759E+08	7,782477E+08	1,082443E+09	1,277793E+09	1,277807E+09	1,082471E+09	7,782782E+08
-502	4,660015E+08	2,293367E+08	1,124438E+08	1,124494E+08	2,293502E+08	4,660106E+08	7,782834E+08	1,082473E+09	1,277801E+09	1,277711E+09	1,082422E+09	7,782252E+08
-501	4,659692E+08	2,293327E+08	1,124509E+08	1,124518E+08	2,293360E+08	4,659749E+08	7,782339E+08	1,082426E+09	1,277765E+09	1,277765E+09	1,082431E+09	7,782572E+08
-500	4,660110E+08	2,293687E+08	1,124732E+08	1,124694E+08	2,293590E+08	4,660025E+08	7,782527E+08	1,082425E+09	1,277751E+09	1,277748E+09	1,082420E+09	7,782482E+08
-499	4,659976E+08	2,293567E+08	1,124721E+08	1,124766E+08	2,293665E+08	4,660039E+08	7,782535E+08	1,082431E+09	1,277757E+09	1,277742E+09	1,082396E+09	7,782190E+08
-498	4,659823E+08	2,293572E+08	1,124752E+08	1,124721E+08	2,293509E+08	4,659754E+08	7,782105E+08	1,082382E+09	1,277728E+09	1,277755E+09	1,082437E+09	7,782654E+08
-497	4,660194E+08	2,293750E+08	1,124793E+08	1,124785E+08	2,293730E+08	4,660185E+08	7,782631E+08	1,082424E+09	1,277743E+09	1,277743E+09	1,082417E+09	7,782367E+08
-496	4,659806E+08	2,293431E+08	1,124615E+08	1,124655E+08	2,293550E+08	4,659964E+08	7,782485E+08	1,082425E+09	1,277754E+09	1,277748E+09	1,082414E+09	7,782388E+08
-495	4,659903E+08	2,293505E+08	1,124597E+08	1,124535E+08	2,293367E+08	4,659788E+08	7,782380E+08	1,082426E+09	1,277770E+09	1,277778E+09	1,082447E+09	7,782698E+08
-494	4,660101E+08	2,293488E+08	1,124501E+08	1,124510E+08	2,293481E+08	4,660062E+08	7,782816E+08	1,082482E+09	1,277822E+09	1,277805E+09	1,082437E+09	7,782266E+08
-493	4,659604E+08	2,293172E+08	1,124311E+08	1,124304E+08	2,293153E+08	4,659631E+08	7,782419E+08	1,082463E+09	1,277828E+09	1,277830E+09	1,082470E+09	7,782589E+08
-492	4,659827E+08	2,293279E+08	1,124312E+08	1,124263E+08	2,293176E+08	4,659770E+08	7,782563E+08	1,082466E+09	1,277832E+09	1,277844E+09	1,082491E+09	7,782750E+08
-491	4,659804E+08	2,293105E+08	1,124175E+08	1,124219E+08	2,293212E+08	4,659884E+08	7,782799E+08	1,082498E+09	1,277856E+09	1,277848E+09	1,082471E+09	7,782411E+08
-490	4,659541E+08	2,292970E+08	1,124084E+08	1,124074E+08	2,292958E+08	4,659536E+08	7,782397E+08	1,082462E+09	1,277839E+09	1,277858E+09	1,082503E+09	7,782827E+08
-489	4,659943E+08	2,293235E+08	1,124193E+08	1,124161E+08	2,293143E+08	4,659860E+08	7,782775E+08	1,082491E+09	1,277845E+09	1,277841E+09	1,082481E+09	7,782629E+08
-488	4,659696E+08	2,293048E+08	1,124139E+08	1,124180E+08	2,293137E+08	4,659755E+08	7,782633E+08	1,082482E+09	1,277838E+09	1,277823E+09	1,082449E+09	7,782389E+08
-487	4,659682E+08	2,293181E+08	1,124284E+08	1,124247E+08	2,293100E+08	4,659578E+08	7,782293E+08	1,082439E+09	1,277805E+09	1,277818E+09	1,082469E+09	7,782716E+08
-486	4,660043E+08	2,293434E+08	1,124449E+08	1,124465E+08	2,293459E+08	4,660044E+08	7,782718E+08	1,082460E+09	1,277797E+09	1,277790E+09	1,082436E+09	7,782306E+08
-485	4,659651E+08	2,293274E+08	1,124474E+08	1,124523E+08	2,293416E+08	4,659861E+08	7,782466E+08	1,082431E+09	1,277760E+09	1,277754E+09	1,082417E+09	7,782389E+08
-484	4,659912E+08	2,293576E+08	1,124710E+08	1,124686E+08	2,293550E+08	4,659949E+08	7,782417E+08	1,082407E+09	1,277729E+09	1,277733E+09	1,082417E+09	7,782579E+08
-483	4,660138E+08	2,293702E+08	1,124819E+08	1,124867E+08	2,293805E+08	4,660205E+08	7,782640E+08	1,082424E+09	1,277729E+09	1,277709E+09	1,082373E+09	7,782086E+08
-482	4,659836E+08	2,293666E+08	1,124895E+08	1,124900E+08	2,293678E+08	4,659854E+08	7,782113E+08	1,082370E+09	1,277695E+09	1,277705E+09	1,082390E+09	7,782416E+08
-481	4,660246E+08	2,294019E+08	1,125109E+08	1,125062E+08	2,293890E+08	4,660104E+08	7,782275E+08	1,082369E+09	1,277679E+09	1,277685E+09	1,082383E+09	7,782384E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,660116E+08	2,293874E+08	1,125076E+08	1,125132E+08	2,294005E+08	4,660186E+08	7,782303E+08	1,082366E+09	1,277667E+09	1,277660E+09	1,082348E+09	7,782072E+08
-479	4,659973E+08	2,293874E+08	1,125097E+08	1,125069E+08	2,293824E+08	4,659933E+08	7,782025E+08	1,082338E+09	1,277649E+09	1,277669E+09	1,082382E+09	7,782513E+08
-478	4,660346E+08	2,294049E+08	1,125121E+08	1,125105E+08	2,293994E+08	4,660297E+08	7,782535E+08	1,082388E+09	1,277679E+09	1,277672E+09	1,082369E+09	7,782220E+08
-477	4,659942E+08	2,293731E+08	1,124945E+08	1,124971E+08	2,293797E+08	4,660057E+08	7,782432E+08	1,082402E+09	1,277705E+09	1,277686E+09	1,082363E+09	7,782165E+08
-476	4,659975E+08	2,293762E+08	1,124906E+08	1,124850E+08	2,293636E+08	4,659891E+08	7,782252E+08	1,082393E+09	1,277724E+09	1,277732E+09	1,082410E+09	7,782491E+08
-475	4,660138E+08	2,293735E+08	1,124805E+08	1,124816E+08	2,293741E+08	4,660137E+08	7,782588E+08	1,082430E+09	1,277757E+09	1,277751E+09	1,082407E+09	7,782162E+08
-474	4,659685E+08	2,293411E+08	1,124608E+08	1,124615E+08	2,293444E+08	4,659785E+08	7,782275E+08	1,082412E+09	1,277761E+09	1,277776E+09	1,082440E+09	7,782516E+08
-473	4,659951E+08	2,293534E+08	1,124606E+08	1,124558E+08	2,293427E+08	4,659876E+08	7,782450E+08	1,082427E+09	1,277768E+09	1,277781E+09	1,082455E+09	7,782691E+08
-472	4,659963E+08	2,293382E+08	1,124477E+08	1,124528E+08	2,293490E+08	4,659993E+08	7,782631E+08	1,082451E+09	1,277783E+09	1,277769E+09	1,082418E+09	7,782270E+08
-471	4,659705E+08	2,293290E+08	1,124430E+08	1,124411E+08	2,293243E+08	4,659660E+08	7,782274E+08	1,082421E+09	1,277770E+09	1,277780E+09	1,082446E+09	7,782628E+08
-470	4,660077E+08	2,293568E+08	1,124568E+08	1,124528E+08	2,293436E+08	4,659939E+08	7,782567E+08	1,082440E+09	1,277773E+09	1,277771E+09	1,082434E+09	7,782447E+08
-469	4,659813E+08	2,293383E+08	1,124538E+08	1,124583E+08	2,293486E+08	4,659909E+08	7,782508E+08	1,082436E+09	1,277763E+09	1,277744E+09	1,082395E+09	7,782170E+08
-468	4,659761E+08	2,293481E+08	1,124665E+08	1,124652E+08	2,293482E+08	4,659798E+08	7,782195E+08	1,082390E+09	1,277728E+09	1,277741E+09	1,082419E+09	7,782515E+08
-467	4,660130E+08	2,293743E+08	1,124825E+08	1,124849E+08	2,293799E+08	4,660208E+08	7,782579E+08	1,082408E+09	1,277712E+09	1,277706E+09	1,082385E+09	7,782174E+08
-466	4,659818E+08	2,293614E+08	1,124860E+08	1,124911E+08	2,293754E+08	4,660013E+08	7,782319E+08	1,082384E+09	1,277690E+09	1,277682E+09	1,082367E+09	7,782239E+08
-465	4,660096E+08	2,293945E+08	1,125106E+08	1,125061E+08	2,293837E+08	4,660007E+08	7,782197E+08	1,082361E+09	1,277664E+09	1,277666E+09	1,082372E+09	7,782445E+08
-464	4,660313E+08	2,294069E+08	1,125223E+08	1,125267E+08	2,294141E+08	4,660281E+08	7,782329E+08	1,082358E+09	1,277645E+09	1,277631E+09	1,082323E+09	7,781932E+08
-463	4,660001E+08	2,294033E+08	1,125309E+08	1,125309E+08	2,294037E+08	4,660009E+08	7,781905E+08	1,082309E+09	1,277607E+09	1,277620E+09	1,082339E+09	7,782268E+08
-462	4,660383E+08	2,294350E+08	1,125497E+08	1,125452E+08	2,294232E+08	4,660265E+08	7,782121E+08	1,082313E+09	1,277594E+09	1,277606E+09	1,082338E+09	7,782274E+08
-461	4,660263E+08	2,294189E+08	1,125442E+08	1,125501E+08	2,294336E+08	4,660383E+08	7,782305E+08	1,082334E+09	1,277597E+09	1,277579E+09	1,082291E+09	7,781874E+08
-460	4,660076E+08	2,294144E+08	1,125417E+08	1,125400E+08	2,294128E+08	4,660109E+08	7,781993E+08	1,082310E+09	1,277598E+09	1,277607E+09	1,082332E+09	7,782270E+08
-459	4,660403E+08	2,294315E+08	1,125431E+08	1,125407E+08	2,294240E+08	4,660378E+08	7,782388E+08	1,082351E+09	1,277625E+09	1,277617E+09	1,082329E+09	7,782062E+08
-458	4,660032E+08	2,293993E+08	1,125254E+08	1,125282E+08	2,294059E+08	4,660134E+08	7,782232E+08	1,082360E+09	1,277656E+09	1,277644E+09	1,082333E+09	7,782036E+08
-457	4,660056E+08	2,294007E+08	1,125200E+08	1,125142E+08	2,293876E+08	4,659948E+08	7,782038E+08	1,082347E+09	1,277667E+09	1,277684E+09	1,082385E+09	7,782450E+08
-456	4,660252E+08	2,293974E+08	1,125091E+08	1,125116E+08	2,294019E+08	4,660248E+08	7,782378E+08	1,082372E+09	1,277676E+09	1,277679E+09	1,082368E+09	7,782112E+08
-455	4,659846E+08	2,293686E+08	1,124912E+08	1,124917E+08	2,293712E+08	4,659925E+08	7,782179E+08	1,082368E+09	1,277683E+09	1,277691E+09	1,082388E+09	7,782411E+08
-454	4,660116E+08	2,293836E+08	1,124929E+08	1,124870E+08	2,293679E+08	4,659956E+08	7,782295E+08	1,082385E+09	1,277699E+09	1,277705E+09	1,082404E+09	7,782549E+08
-453	4,660126E+08	2,293712E+08	1,124834E+08	1,124871E+08	2,293768E+08	4,660098E+08	7,782528E+08	1,082415E+09	1,277719E+09	1,277693E+09	1,082358E+09	7,782009E+08
-452	4,659791E+08	2,293591E+08	1,124791E+08	1,124783E+08	2,293576E+08	4,659805E+08	7,782132E+08	1,082379E+09	1,277709E+09	1,277715E+09	1,082394E+09	7,782346E+08
-451	4,660107E+08	2,293858E+08	1,124935E+08	1,124902E+08	2,293773E+08	4,660087E+08	7,782383E+08	1,082387E+09	1,277697E+09	1,277700E+09	1,082389E+09	7,782285E+08
-450	4,659905E+08	2,293675E+08	1,124905E+08	1,124968E+08	2,293847E+08	4,660114E+08	7,782398E+08	1,082389E+09	1,277693E+09	1,277679E+09	1,082353E+09	7,782040E+08
-449	4,659892E+08	2,293787E+08	1,125025E+08	1,125015E+08	2,293795E+08	4,659942E+08	7,782096E+08	1,082351E+09	1,277663E+09	1,277673E+09	1,082377E+09	7,782438E+08
-448	4,660312E+08	2,294075E+08	1,125196E+08	1,125222E+08	2,294123E+08	4,660321E+08	7,782369E+08	1,082354E+09	1,277635E+09	1,277626E+09	1,082332E+09	7,782053E+08
-447	4,660024E+08	2,293997E+08	1,125273E+08	1,125306E+08	2,294077E+08	4,660123E+08	7,782118E+08	1,082331E+09	1,277612E+09	1,277601E+09	1,082313E+09	7,782090E+08
-446	4,660276E+08	2,294330E+08	1,125535E+08	1,125478E+08	2,294169E+08	4,660073E+08	7,781895E+08	1,082297E+09	1,277582E+09	1,277592E+09	1,082327E+09	7,782319E+08
-445	4,660476E+08	2,294437E+08	1,125649E+08	1,125690E+08	2,294509E+08	4,660441E+08	7,782154E+08	1,082300E+09	1,277556E+09	1,277543E+09	1,082266E+09	7,781739E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,660114E+08	2,294348E+08	1,125696E+08	1,125716E+08	2,294422E+08	4,660240E+08	7,781819E+08	1,082259E+09	1,277524E+09	1,277536E+09	1,082283E+09	7,782043E+08
-443	4,660465E+08	2,294642E+08	1,125847E+08	1,125807E+08	2,294548E+08	4,660428E+08	7,782019E+08	1,082267E+09	1,277514E+09	1,277521E+09	1,082281E+09	7,782099E+08
-442	4,660388E+08	2,294482E+08	1,125777E+08	1,125836E+08	2,294631E+08	4,660528E+08	7,782201E+08	1,082299E+09	1,277543E+09	1,277518E+09	1,082242E+09	7,781686E+08
-441	4,660189E+08	2,294431E+08	1,125736E+08	1,125704E+08	2,294366E+08	4,660172E+08	7,781841E+08	1,082278E+09	1,277553E+09	1,277559E+09	1,082296E+09	7,782134E+08
-440	4,660503E+08	2,294576E+08	1,125740E+08	1,125718E+08	2,294504E+08	4,660433E+08	7,782128E+08	1,082298E+09	1,277562E+09	1,277561E+09	1,082293E+09	7,781958E+08
-439	4,660157E+08	2,294270E+08	1,125572E+08	1,125594E+08	2,294333E+08	4,660255E+08	7,782071E+08	1,082312E+09	1,277587E+09	1,277580E+09	1,082297E+09	7,781971E+08
-438	4,660180E+08	2,294269E+08	1,125508E+08	1,125449E+08	2,294134E+08	4,660044E+08	7,781876E+08	1,082300E+09	1,277597E+09	1,277619E+09	1,082350E+09	7,782405E+08
-437	4,660409E+08	2,294248E+08	1,125401E+08	1,125421E+08	2,294280E+08	4,660385E+08	7,782336E+08	1,082338E+09	1,277610E+09	1,277603E+09	1,082314E+09	7,781940E+08
-436	4,659965E+08	2,293954E+08	1,125219E+08	1,125230E+08	2,293995E+08	4,660077E+08	7,782112E+08	1,082336E+09	1,277628E+09	1,277626E+09	1,082334E+09	7,782149E+08
-435	4,660181E+08	2,294115E+08	1,125253E+08	1,125186E+08	2,293941E+08	4,660042E+08	7,782119E+08	1,082341E+09	1,277636E+09	1,277640E+09	1,082355E+09	7,782347E+08
-434	4,660219E+08	2,294002E+08	1,125183E+08	1,125225E+08	2,294085E+08	4,660219E+08	7,782319E+08	1,082368E+09	1,277661E+09	1,277639E+09	1,082317E+09	7,781834E+08
-433	4,659879E+08	2,293875E+08	1,125138E+08	1,125136E+08	2,293888E+08	4,659934E+08	7,781948E+08	1,082330E+09	1,277644E+09	1,277656E+09	1,082359E+09	7,782251E+08
-432	4,660220E+08	2,294136E+08	1,125284E+08	1,125269E+08	2,294113E+08	4,660244E+08	7,782199E+08	1,082328E+09	1,277610E+09	1,277619E+09	1,082342E+09	7,782202E+08
-431	4,660096E+08	2,294016E+08	1,125285E+08	1,125343E+08	2,294173E+08	4,660279E+08	7,782291E+08	1,082342E+09	1,277610E+09	1,277589E+09	1,082298E+09	7,781931E+08
-430	4,660090E+08	2,294157E+08	1,125431E+08	1,125404E+08	2,294102E+08	4,660026E+08	7,781885E+08	1,082300E+09	1,277587E+09	1,277594E+09	1,082325E+09	7,782317E+08
-429	4,660524E+08	2,294474E+08	1,125631E+08	1,125637E+08	2,294456E+08	4,660439E+08	7,782195E+08	1,082302E+09	1,277555E+09	1,277543E+09	1,082271E+09	7,781822E+08
-428	4,660169E+08	2,294368E+08	1,125705E+08	1,125744E+08	2,294466E+08	4,660289E+08	7,781909E+08	1,082273E+09	1,277531E+09	1,277523E+09	1,082256E+09	7,781820E+08
-427	4,660360E+08	2,294669E+08	1,125945E+08	1,125894E+08	2,294547E+08	4,660251E+08	7,781689E+08	1,082233E+09	1,277490E+09	1,277506E+09	1,082274E+09	7,782153E+08
-426	4,660599E+08	2,294753E+08	1,126034E+08	1,126091E+08	2,294887E+08	4,660656E+08	7,782040E+08	1,082252E+09	1,277482E+09	1,277468E+09	1,082214E+09	7,781570E+08
-425	4,660234E+08	2,294639E+08	1,126038E+08	1,126060E+08	2,294725E+08	4,660396E+08	7,781755E+08	1,082226E+09	1,277465E+09	1,277469E+09	1,082236E+09	7,781901E+08
-424	4,660586E+08	2,294917E+08	1,126171E+08	1,126133E+08	2,294830E+08	4,660538E+08	7,781873E+08	1,082226E+09	1,277452E+09	1,277455E+09	1,082233E+09	7,781942E+08
-423	4,660539E+08	2,294796E+08	1,126118E+08	1,126158E+08	2,294885E+08	4,660613E+08	7,782052E+08	1,082260E+09	1,277485E+09	1,277458E+09	1,082203E+09	7,781556E+08
-422	4,660309E+08	2,294728E+08	1,126076E+08	1,126032E+08	2,294621E+08	4,660208E+08	7,781582E+08	1,082228E+09	1,277493E+09	1,277508E+09	1,082267E+09	7,782069E+08
-421	4,660641E+08	2,294860E+08	1,126071E+08	1,126044E+08	2,294784E+08	4,660560E+08	7,781975E+08	1,082248E+09	1,277489E+09	1,277493E+09	1,082251E+09	7,781835E+08
-420	4,660271E+08	2,294524E+08	1,125880E+08	1,125915E+08	2,294632E+08	4,660424E+08	7,781974E+08	1,082267E+09	1,277517E+09	1,277510E+09	1,082251E+09	7,781793E+08
-419	4,660274E+08	2,294521E+08	1,125801E+08	1,125744E+08	2,294390E+08	4,660156E+08	7,781744E+08	1,082256E+09	1,277525E+09	1,277542E+09	1,082299E+09	7,782261E+08
-418	4,660542E+08	2,294523E+08	1,125709E+08	1,125726E+08	2,294542E+08	4,660486E+08	7,782182E+08	1,082302E+09	1,277560E+09	1,277544E+09	1,082265E+09	7,781738E+08
-417	4,660069E+08	2,294231E+08	1,125534E+08	1,125535E+08	2,294245E+08	4,660157E+08	7,781959E+08	1,082300E+09	1,277578E+09	1,277575E+09	1,082294E+09	7,781974E+08
-416	4,660259E+08	2,294374E+08	1,125579E+08	1,125524E+08	2,294243E+08	4,660150E+08	7,781896E+08	1,082286E+09	1,277566E+09	1,277576E+09	1,082312E+09	7,782191E+08
-415	4,660335E+08	2,294299E+08	1,125535E+08	1,125579E+08	2,294409E+08	4,660405E+08	7,782212E+08	1,082319E+09	1,277585E+09	1,277566E+09	1,082276E+09	7,781740E+08
-414	4,660011E+08	2,294175E+08	1,125501E+08	1,125501E+08	2,294205E+08	4,660081E+08	7,781820E+08	1,082284E+09	1,277571E+09	1,277585E+09	1,082317E+09	7,782187E+08
-413	4,660409E+08	2,294461E+08	1,125655E+08	1,125635E+08	2,294426E+08	4,660411E+08	7,782132E+08	1,082287E+09	1,277536E+09	1,277536E+09	1,082283E+09	7,782026E+08
-412	4,660267E+08	2,294361E+08	1,125676E+08	1,125733E+08	2,294512E+08	4,660435E+08	7,782162E+08	1,082298E+09	1,277542E+09	1,277516E+09	1,082241E+09	7,781679E+08
-411	4,660216E+08	2,294515E+08	1,125839E+08	1,125803E+08	2,294426E+08	4,660113E+08	7,781624E+08	1,082240E+09	1,277504E+09	1,277515E+09	1,082272E+09	7,782127E+08
-410	4,660665E+08	2,294830E+08	1,126052E+08	1,126062E+08	2,294826E+08	4,660562E+08	7,781913E+08	1,082241E+09	1,277480E+09	1,277472E+09	1,082221E+09	7,781635E+08
-409	4,660291E+08	2,294701E+08	1,126103E+08	1,126148E+08	2,294830E+08	4,660463E+08	7,781726E+08	1,082215E+09	1,277449E+09	1,277447E+09	1,082210E+09	7,781685E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,660488E+08	2,294969E+08	1,126316E+08	1,126281E+08	2,294901E+08	4,660428E+08	7,781527E+08	1,082173E+09	1,277396E+09	1,277415E+09	1,082216E+09	7,781999E+08
-407	4,660781E+08	2,295097E+08	1,126410E+08	1,126456E+08	2,295202E+08	4,660826E+08	7,781964E+08	1,082210E+09	1,277403E+09	1,277380E+09	1,082158E+09	7,781423E+08
-406	4,660403E+08	2,294985E+08	1,126417E+08	1,126418E+08	2,295000E+08	4,660467E+08	7,781574E+08	1,082185E+09	1,277404E+09	1,277404E+09	1,082190E+09	7,781761E+08
-405	4,660747E+08	2,295251E+08	1,126547E+08	1,126489E+08	2,295112E+08	4,660639E+08	7,781723E+08	1,082183E+09	1,277389E+09	1,277390E+09	1,082183E+09	7,781730E+08
-404	4,660644E+08	2,295100E+08	1,126481E+08	1,126524E+08	2,295207E+08	4,660750E+08	7,781880E+08	1,082212E+09	1,277422E+09	1,277402E+09	1,082163E+09	7,781348E+08
-403	4,660374E+08	2,294993E+08	1,126402E+08	1,126365E+08	2,294918E+08	4,660342E+08	7,781406E+08	1,082174E+09	1,277418E+09	1,277442E+09	1,082229E+09	7,781971E+08
-402	4,660755E+08	2,295111E+08	1,126376E+08	1,126361E+08	2,295075E+08	4,660706E+08	7,781851E+08	1,082208E+09	1,277431E+09	1,277433E+09	1,082210E+09	7,781719E+08
-401	4,660393E+08	2,294767E+08	1,126156E+08	1,126194E+08	2,294877E+08	4,660543E+08	7,781891E+08	1,082236E+09	1,277465E+09	1,277453E+09	1,082211E+09	7,781665E+08
-400	4,660384E+08	2,294759E+08	1,126080E+08	1,126028E+08	2,294634E+08	4,660246E+08	7,781588E+08	1,082214E+09	1,277463E+09	1,277478E+09	1,082252E+09	7,782093E+08
-399	4,660676E+08	2,294815E+08	1,126029E+08	1,126032E+08	2,294793E+08	4,660584E+08	7,782045E+08	1,082262E+09	1,277496E+09	1,277481E+09	1,082225E+09	7,781599E+08
-398	4,660173E+08	2,294516E+08	1,125874E+08	1,125872E+08	2,294523E+08	4,660239E+08	7,781745E+08	1,082252E+09	1,277514E+09	1,277517E+09	1,082261E+09	7,781883E+08
-397	4,660385E+08	2,294656E+08	1,125924E+08	1,125873E+08	2,294558E+08	4,660339E+08	7,781808E+08	1,082237E+09	1,277488E+09	1,277501E+09	1,082264E+09	7,782031E+08
-396	4,660458E+08	2,294590E+08	1,125886E+08	1,125942E+08	2,294740E+08	4,660599E+08	7,782142E+08	1,082275E+09	1,277509E+09	1,277489E+09	1,082222E+09	7,781532E+08
-395	4,660135E+08	2,294485E+08	1,125855E+08	1,125856E+08	2,294504E+08	4,660202E+08	7,781664E+08	1,082236E+09	1,277493E+09	1,277502E+09	1,082262E+09	7,782030E+08
-394	4,660588E+08	2,294811E+08	1,126041E+08	1,126015E+08	2,294737E+08	4,660500E+08	7,781904E+08	1,082240E+09	1,277475E+09	1,277468E+09	1,082229E+09	7,781821E+08
-393	4,660418E+08	2,294712E+08	1,126070E+08	1,126120E+08	2,294828E+08	4,660523E+08	7,781924E+08	1,082245E+09	1,277473E+09	1,277450E+09	1,082195E+09	7,781503E+08
-392	4,660341E+08	2,294844E+08	1,126239E+08	1,126215E+08	2,294789E+08	4,660248E+08	7,781358E+08	1,082172E+09	1,277413E+09	1,277433E+09	1,082221E+09	7,781967E+08
-391	4,660823E+08	2,295187E+08	1,126463E+08	1,126471E+08	2,295192E+08	4,660763E+08	7,781781E+08	1,082183E+09	1,277385E+09	1,277382E+09	1,082171E+09	7,781509E+08
-390	4,660444E+08	2,295044E+08	1,126507E+08	1,126552E+08	2,295177E+08	4,660628E+08	7,781608E+08	1,082167E+09	1,277369E+09	1,277365E+09	1,082159E+09	7,781562E+08
-389	4,660666E+08	2,295309E+08	1,126702E+08	1,126660E+08	2,295233E+08	4,660624E+08	7,781481E+08	1,082133E+09	1,277324E+09	1,277332E+09	1,082153E+09	7,781754E+08
-388	4,660916E+08	2,295436E+08	1,126797E+08	1,126839E+08	2,295529E+08	4,660982E+08	7,781863E+08	1,082172E+09	1,277344E+09	1,277316E+09	1,082105E+09	7,781158E+08
-387	4,660498E+08	2,295304E+08	1,126788E+08	1,126786E+08	2,295298E+08	4,660547E+08	7,781352E+08	1,082135E+09	1,277338E+09	1,277343E+09	1,082150E+09	7,781613E+08
-386	4,660860E+08	2,295546E+08	1,126903E+08	1,126855E+08	2,295427E+08	4,660735E+08	7,781474E+08	1,082134E+09	1,277332E+09	1,277337E+09	1,082149E+09	7,781609E+08
-385	4,660746E+08	2,295360E+08	1,126796E+08	1,126848E+08	2,295497E+08	4,660886E+08	7,781728E+08	1,082164E+09	1,277354E+09	1,277343E+09	1,082132E+09	7,781285E+08
-384	4,660489E+08	2,295224E+08	1,126688E+08	1,126666E+08	2,295187E+08	4,660468E+08	7,781262E+08	1,082123E+09	1,277337E+09	1,277364E+09	1,082183E+09	7,781870E+08
-383	4,660918E+08	2,295391E+08	1,126672E+08	1,126645E+08	2,295311E+08	4,660819E+08	7,781763E+08	1,082170E+09	1,277360E+09	1,277358E+09	1,082165E+09	7,781598E+08
-382	4,660537E+08	2,295063E+08	1,126474E+08	1,126495E+08	2,295107E+08	4,660599E+08	7,781724E+08	1,082198E+09	1,277409E+09	1,277393E+09	1,082168E+09	7,781522E+08
-381	4,660519E+08	2,295049E+08	1,126406E+08	1,126342E+08	2,294899E+08	4,660365E+08	7,781461E+08	1,082172E+09	1,277400E+09	1,277413E+09	1,082202E+09	7,781846E+08
-380	4,660751E+08	2,295097E+08	1,126370E+08	1,126382E+08	2,295112E+08	4,660751E+08	7,781933E+08	1,082219E+09	1,277433E+09	1,277421E+09	1,082181E+09	7,781380E+08
-379	4,660238E+08	2,294780E+08	1,126200E+08	1,126213E+08	2,294829E+08	4,660392E+08	7,781621E+08	1,082204E+09	1,277441E+09	1,277448E+09	1,082219E+09	7,781762E+08
-378	4,660500E+08	2,294921E+08	1,126251E+08	1,126214E+08	2,294859E+08	4,660474E+08	7,781693E+08	1,082202E+09	1,277432E+09	1,277438E+09	1,082219E+09	7,781888E+08
-377	4,660591E+08	2,294876E+08	1,126211E+08	1,126266E+08	2,295015E+08	4,660717E+08	7,782030E+08	1,082239E+09	1,277452E+09	1,277429E+09	1,082181E+09	7,781399E+08
-376	4,660275E+08	2,294788E+08	1,126207E+08	1,126207E+08	2,294789E+08	4,660279E+08	7,781430E+08	1,082180E+09	1,277416E+09	1,277429E+09	1,082212E+09	7,781868E+08
-375	4,660766E+08	2,295180E+08	1,126443E+08	1,126401E+08	2,295048E+08	4,660588E+08	7,781660E+08	1,082181E+09	1,277390E+09	1,277391E+09	1,082185E+09	7,781690E+08
-374	4,660577E+08	2,295084E+08	1,126498E+08	1,126545E+08	2,295185E+08	4,660634E+08	7,781639E+08	1,082178E+09	1,277385E+09	1,277371E+09	1,082150E+09	7,781398E+08
-373	4,660516E+08	2,295203E+08	1,126659E+08	1,126637E+08	2,295177E+08	4,660482E+08	7,781243E+08	1,082110E+09	1,277313E+09	1,277335E+09	1,082157E+09	7,781747E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,660966E+08	2,295541E+08	1,126880E+08	1,126897E+08	2,295579E+08	4,660994E+08	7,781726E+08	1,082136E+09	1,277299E+09	1,277289E+09	1,082105E+09	7,781251E+08
-371	4,660576E+08	2,295391E+08	1,126904E+08	1,126949E+08	2,295515E+08	4,660779E+08	7,781485E+08	1,082122E+09	1,277293E+09	1,277280E+09	1,082099E+09	7,781353E+08
-370	4,660809E+08	2,295652E+08	1,127096E+08	1,127053E+08	2,295559E+08	4,660731E+08	7,781305E+08	1,082096E+09	1,277273E+09	1,277271E+09	1,082103E+09	7,781530E+08
-369	4,661019E+08	2,295754E+08	1,127168E+08	1,127208E+08	2,295839E+08	4,661089E+08	7,781674E+08	1,082127E+09	1,277286E+09	1,277264E+09	1,082071E+09	7,781021E+08
-368	4,660590E+08	2,295580E+08	1,127133E+08	1,127145E+08	2,295616E+08	4,660670E+08	7,781128E+08	1,082076E+09	1,277261E+09	1,277277E+09	1,082113E+09	7,781525E+08
-367	4,661006E+08	2,295840E+08	1,127236E+08	1,127187E+08	2,295718E+08	4,660881E+08	7,781354E+08	1,082084E+09	1,277252E+09	1,277265E+09	1,082114E+09	7,781566E+08
-366	4,660899E+08	2,295642E+08	1,127112E+08	1,127161E+08	2,295756E+08	4,660981E+08	7,781589E+08	1,082122E+09	1,277288E+09	1,277276E+09	1,082092E+09	7,781225E+08
-365	4,660663E+08	2,295508E+08	1,126990E+08	1,126958E+08	2,295442E+08	4,660617E+08	7,781203E+08	1,082087E+09	1,277272E+09	1,277290E+09	1,082127E+09	7,781649E+08
-364	4,661029E+08	2,295681E+08	1,126993E+08	1,126958E+08	2,295569E+08	4,660926E+08	7,781659E+08	1,082135E+09	1,277304E+09	1,277297E+09	1,082113E+09	7,781336E+08
-363	4,660601E+08	2,295334E+08	1,126791E+08	1,126813E+08	2,295370E+08	4,660672E+08	7,781532E+08	1,082153E+09	1,277347E+09	1,277334E+09	1,082127E+09	7,781354E+08
-362	4,660594E+08	2,295304E+08	1,126724E+08	1,126677E+08	2,295200E+08	4,660481E+08	7,781280E+08	1,082131E+09	1,277349E+09	1,277361E+09	1,082165E+09	7,781688E+08
-361	4,660813E+08	2,295332E+08	1,126665E+08	1,126691E+08	2,295396E+08	4,660903E+08	7,781834E+08	1,082178E+09	1,277371E+09	1,277363E+09	1,082148E+09	7,781295E+08
-360	4,660344E+08	2,295019E+08	1,126496E+08	1,126523E+08	2,295100E+08	4,660508E+08	7,781484E+08	1,082157E+09	1,277365E+09	1,277372E+09	1,082173E+09	7,781664E+08
-359	4,660681E+08	2,295240E+08	1,126586E+08	1,126535E+08	2,295112E+08	4,660554E+08	7,781537E+08	1,082157E+09	1,277358E+09	1,277363E+09	1,082175E+09	7,781780E+08
-358	4,660767E+08	2,295231E+08	1,126593E+08	1,126629E+08	2,295288E+08	4,660756E+08	7,781770E+08	1,082186E+09	1,277382E+09	1,277360E+09	1,082136E+09	7,781278E+08
-357	4,660455E+08	2,295155E+08	1,126614E+08	1,126606E+08	2,295136E+08	4,660435E+08	7,781231E+08	1,082119E+09	1,277329E+09	1,277344E+09	1,082153E+09	7,781628E+08
-356	4,660889E+08	2,295543E+08	1,126872E+08	1,126838E+08	2,295447E+08	4,660797E+08	7,781507E+08	1,082122E+09	1,277301E+09	1,277306E+09	1,082127E+09	7,781454E+08
-355	4,660686E+08	2,295421E+08	1,126907E+08	1,126970E+08	2,295577E+08	4,660848E+08	7,781524E+08	1,082123E+09	1,277293E+09	1,277280E+09	1,082093E+09	7,781226E+08
-354	4,660657E+08	2,295532E+08	1,127053E+08	1,127050E+08	2,295550E+08	4,660670E+08	7,781164E+08	1,082075E+09	1,277251E+09	1,277257E+09	1,082098E+09	7,781517E+08
-353	4,661074E+08	2,295858E+08	1,127249E+08	1,127271E+08	2,295906E+08	4,661159E+08	7,781652E+08	1,082102E+09	1,277241E+09	1,277224E+09	1,082057E+09	7,781073E+08
-352	4,660693E+08	2,295703E+08	1,127275E+08	1,127321E+08	2,295817E+08	4,660870E+08	7,781289E+08	1,082074E+09	1,277224E+09	1,277213E+09	1,082053E+09	7,781197E+08
-351	4,660959E+08	2,295993E+08	1,127478E+08	1,127425E+08	2,295858E+08	4,660812E+08	7,781078E+08	1,082042E+09	1,277198E+09	1,277209E+09	1,082071E+09	7,781452E+08
-350	4,661165E+08	2,296088E+08	1,127550E+08	1,127584E+08	2,296151E+08	4,661177E+08	7,781411E+08	1,082067E+09	1,277210E+09	1,277200E+09	1,082039E+09	7,781002E+08
-349	4,660775E+08	2,295896E+08	1,127486E+08	1,127492E+08	2,295932E+08	4,660853E+08	7,780995E+08	1,082018E+09	1,277170E+09	1,277189E+09	1,082059E+09	7,781375E+08
-348	4,661158E+08	2,296151E+08	1,127581E+08	1,127529E+08	2,296015E+08	4,661027E+08	7,781254E+08	1,082041E+09	1,277175E+09	1,277182E+09	1,082055E+09	7,781363E+08
-347	4,661033E+08	2,295942E+08	1,127438E+08	1,127480E+08	2,296018E+08	4,661065E+08	7,781427E+08	1,082080E+09	1,277220E+09	1,277200E+09	1,082037E+09	7,781031E+08
-346	4,660778E+08	2,295796E+08	1,127316E+08	1,127281E+08	2,295706E+08	4,660682E+08	7,781036E+08	1,082056E+09	1,277229E+09	1,277235E+09	1,082079E+09	7,781397E+08
-345	4,661067E+08	2,295931E+08	1,127300E+08	1,127269E+08	2,295844E+08	4,661042E+08	7,781526E+08	1,082098E+09	1,277255E+09	1,277251E+09	1,082082E+09	7,781181E+08
-344	4,660643E+08	2,295555E+08	1,127086E+08	1,127123E+08	2,295653E+08	4,660803E+08	7,781383E+08	1,082106E+09	1,277280E+09	1,277274E+09	1,082092E+09	7,781252E+08
-343	4,660698E+08	2,295555E+08	1,127021E+08	1,126979E+08	2,295471E+08	4,660627E+08	7,781205E+08	1,082091E+09	1,277279E+09	1,277298E+09	1,082134E+09	7,781643E+08
-342	4,660950E+08	2,295606E+08	1,126977E+08	1,127000E+08	2,295651E+08	4,660992E+08	7,781691E+08	1,082139E+09	1,277310E+09	1,277300E+09	1,082111E+09	7,781254E+08
-341	4,660533E+08	2,295329E+08	1,126826E+08	1,126842E+08	2,295378E+08	4,660650E+08	7,781362E+08	1,082112E+09	1,277294E+09	1,277295E+09	1,082117E+09	7,781466E+08
-340	4,660827E+08	2,295585E+08	1,126968E+08	1,126908E+08	2,295418E+08	4,660653E+08	7,781350E+08	1,082109E+09	1,277287E+09	1,277290E+09	1,082120E+09	7,781560E+08
-339	4,660891E+08	2,295572E+08	1,126988E+08	1,127028E+08	2,295627E+08	4,660856E+08	7,781510E+08	1,082125E+09	1,277298E+09	1,277281E+09	1,082087E+09	7,781115E+08
-338	4,660582E+08	2,295488E+08	1,127018E+08	1,127028E+08	2,295522E+08	4,660606E+08	7,781054E+08	1,082068E+09	1,277254E+09	1,277265E+09	1,082099E+09	7,781419E+08
-337	4,660978E+08	2,295848E+08	1,127249E+08	1,127233E+08	2,295817E+08	4,661018E+08	7,781440E+08	1,082075E+09	1,277221E+09	1,277224E+09	1,082075E+09	7,781288E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,660802E+08	2,295723E+08	1,127276E+08	1,127352E+08	2,295916E+08	4,661015E+08	7,781415E+08	1,082076E+09	1,277211E+09	1,277191E+09	1,082033E+09	7,781050E+08
-335	4,660832E+08	2,295892E+08	1,127442E+08	1,127425E+08	2,295859E+08	4,660791E+08	7,781024E+08	1,082031E+09	1,277178E+09	1,277183E+09	1,082050E+09	7,781367E+08
-334	4,661234E+08	2,296227E+08	1,127660E+08	1,127661E+08	2,296206E+08	4,661210E+08	7,781389E+08	1,082051E+09	1,277176E+09	1,277162E+09	1,082017E+09	7,780974E+08
-333	4,660879E+08	2,296073E+08	1,127685E+08	1,127720E+08	2,296166E+08	4,661019E+08	7,781066E+08	1,082013E+09	1,277142E+09	1,277137E+09	1,082004E+09	7,781029E+08
-332	4,661102E+08	2,296349E+08	1,127888E+08	1,127834E+08	2,296216E+08	4,660969E+08	7,780891E+08	1,081984E+09	1,277114E+09	1,277131E+09	1,082021E+09	7,781296E+08
-331	4,661297E+08	2,296399E+08	1,127917E+08	1,127956E+08	2,296476E+08	4,661319E+08	7,781251E+08	1,082013E+09	1,277125E+09	1,277117E+09	1,081990E+09	7,780886E+08
-330	4,660927E+08	2,296194E+08	1,127826E+08	1,127840E+08	2,296240E+08	4,660989E+08	7,780899E+08	1,081987E+09	1,277113E+09	1,277117E+09	1,082003E+09	7,781156E+08
-329	4,661243E+08	2,296413E+08	1,127884E+08	1,127832E+08	2,296281E+08	4,661155E+08	7,781169E+08	1,082009E+09	1,277124E+09	1,277124E+09	1,082010E+09	7,781171E+08
-328	4,661102E+08	2,296187E+08	1,127738E+08	1,127781E+08	2,296268E+08	4,661141E+08	7,781256E+08	1,082038E+09	1,277161E+09	1,277141E+09	1,081995E+09	7,780863E+08
-327	4,660871E+08	2,296060E+08	1,127622E+08	1,127586E+08	2,295969E+08	4,660773E+08	7,780860E+08	1,082011E+09	1,277167E+09	1,277185E+09	1,082052E+09	7,781302E+08
-326	4,661145E+08	2,296181E+08	1,127609E+08	1,127580E+08	2,296114E+08	4,661145E+08	7,781345E+08	1,082051E+09	1,277192E+09	1,277197E+09	1,082054E+09	7,781162E+08
-325	4,660791E+08	2,295817E+08	1,127385E+08	1,127422E+08	2,295937E+08	4,660988E+08	7,781305E+08	1,082060E+09	1,277204E+09	1,277197E+09	1,082044E+09	7,781122E+08
-324	4,660839E+08	2,295843E+08	1,127343E+08	1,127297E+08	2,295741E+08	4,660748E+08	7,781108E+08	1,082052E+09	1,277212E+09	1,277222E+09	1,082079E+09	7,781475E+08
-323	4,661098E+08	2,295912E+08	1,127314E+08	1,127326E+08	2,295910E+08	4,661054E+08	7,781490E+08	1,082093E+09	1,277242E+09	1,277227E+09	1,082059E+09	7,781096E+08
-322	4,660687E+08	2,295656E+08	1,127194E+08	1,127208E+08	2,295682E+08	4,660725E+08	7,781155E+08	1,082072E+09	1,277237E+09	1,277229E+09	1,082064E+09	7,781222E+08
-321	4,660905E+08	2,295888E+08	1,127335E+08	1,127284E+08	2,295762E+08	4,660808E+08	7,781176E+08	1,082059E+09	1,277217E+09	1,277224E+09	1,082077E+09	7,781392E+08
-320	4,660975E+08	2,295861E+08	1,127357E+08	1,127412E+08	2,295982E+08	4,661034E+08	7,781352E+08	1,082068E+09	1,277212E+09	1,277199E+09	1,082036E+09	7,780972E+08
-319	4,660722E+08	2,295807E+08	1,127391E+08	1,127408E+08	2,295864E+08	4,660792E+08	7,780970E+08	1,082021E+09	1,277173E+09	1,277187E+09	1,082053E+09	7,781293E+08
-318	4,661123E+08	2,296182E+08	1,127636E+08	1,127613E+08	2,296137E+08	4,661150E+08	7,781303E+08	1,082033E+09	1,277154E+09	1,277152E+09	1,082027E+09	7,781180E+08
-317	4,661002E+08	2,296092E+08	1,127673E+08	1,127731E+08	2,296244E+08	4,661172E+08	7,781261E+08	1,082026E+09	1,277135E+09	1,277110E+09	1,081973E+09	7,780823E+08
-316	4,660986E+08	2,296279E+08	1,127876E+08	1,127844E+08	2,296197E+08	4,660891E+08	7,780802E+08	1,081978E+09	1,277104E+09	1,277110E+09	1,081997E+09	7,781175E+08
-315	4,661381E+08	2,296589E+08	1,128086E+08	1,128087E+08	2,296565E+08	4,661307E+08	7,781087E+08	1,081985E+09	1,277090E+09	1,277085E+09	1,081971E+09	7,780866E+08
-314	4,661042E+08	2,296419E+08	1,128095E+08	1,128141E+08	2,296540E+08	4,661170E+08	7,780866E+08	1,081959E+09	1,277063E+09	1,277058E+09	1,081953E+09	7,780863E+08
-313	4,661216E+08	2,296644E+08	1,128246E+08	1,128205E+08	2,296559E+08	4,661162E+08	7,780794E+08	1,081936E+09	1,277035E+09	1,277052E+09	1,081973E+09	7,781157E+08
-312	4,661416E+08	2,296677E+08	1,128248E+08	1,128289E+08	2,296762E+08	4,661442E+08	7,781113E+08	1,081966E+09	1,277048E+09	1,277033E+09	1,081932E+09	7,780708E+08
-311	4,661071E+08	2,296500E+08	1,128156E+08	1,128157E+08	2,296502E+08	4,661090E+08	7,780768E+08	1,081946E+09	1,277050E+09	1,277054E+09	1,081959E+09	7,780973E+08
-310	4,661340E+08	2,296702E+08	1,128218E+08	1,128153E+08	2,296539E+08	4,661223E+08	7,780975E+08	1,081968E+09	1,277071E+09	1,277073E+09	1,081973E+09	7,781046E+08
-309	4,661223E+08	2,296467E+08	1,128058E+08	1,128098E+08	2,296568E+08	4,661312E+08	7,781118E+08	1,081991E+09	1,277094E+09	1,277078E+09	1,081952E+09	7,780693E+08
-308	4,660960E+08	2,296329E+08	1,127947E+08	1,127915E+08	2,296267E+08	4,660939E+08	7,780780E+08	1,081971E+09	1,277104E+09	1,277121E+09	1,082010E+09	7,781183E+08
-307	4,661253E+08	2,296422E+08	1,127907E+08	1,127886E+08	2,296382E+08	4,661265E+08	7,781234E+08	1,082012E+09	1,277128E+09	1,277130E+09	1,082013E+09	7,781087E+08
-306	4,660944E+08	2,296083E+08	1,127687E+08	1,127727E+08	2,296195E+08	4,661086E+08	7,781216E+08	1,082036E+09	1,277158E+09	1,277137E+09	1,081996E+09	7,780936E+08
-305	4,660935E+08	2,296103E+08	1,127645E+08	1,127597E+08	2,295994E+08	4,660848E+08	7,780978E+08	1,082017E+09	1,277160E+09	1,277168E+09	1,082038E+09	7,781308E+08
-304	4,661187E+08	2,296182E+08	1,127641E+08	1,127650E+08	2,296170E+08	4,661106E+08	7,781247E+08	1,082041E+09	1,277173E+09	1,277162E+09	1,082016E+09	7,780943E+08
-303	4,660817E+08	2,295968E+08	1,127553E+08	1,127568E+08	2,296000E+08	4,660848E+08	7,780933E+08	1,082013E+09	1,277159E+09	1,277164E+09	1,082027E+09	7,781102E+08
-302	4,661026E+08	2,296198E+08	1,127709E+08	1,127659E+08	2,296094E+08	4,660956E+08	7,780982E+08	1,082001E+09	1,277136E+09	1,277149E+09	1,082032E+09	7,781313E+08
-301	4,661162E+08	2,296195E+08	1,127732E+08	1,127787E+08	2,296337E+08	4,661257E+08	7,781252E+08	1,082014E+09	1,277120E+09	1,277103E+09	1,081973E+09	7,780782E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,660893E+08	2,296174E+08	1,127802E+08	1,127808E+08	2,296202E+08	4,660942E+08	7,780848E+08	1,081977E+09	1,277096E+09	1,277098E+09	1,081987E+09	7,781072E+08
-299	4,661279E+08	2,296540E+08	1,128050E+08	1,128017E+08	2,296460E+08	4,661238E+08	7,781074E+08	1,081981E+09	1,277079E+09	1,277073E+09	1,081970E+09	7,780990E+08
-298	4,661168E+08	2,296470E+08	1,128108E+08	1,128163E+08	2,296601E+08	4,661279E+08	7,781050E+08	1,081980E+09	1,277070E+09	1,277041E+09	1,081920E+09	7,780584E+08
-297	4,661081E+08	2,296613E+08	1,128285E+08	1,128264E+08	2,296579E+08	4,661070E+08	7,780614E+08	1,081921E+09	1,277027E+09	1,277041E+09	1,081955E+09	7,781029E+08
-296	4,661483E+08	2,296893E+08	1,128470E+08	1,128482E+08	2,296917E+08	4,661476E+08	7,780914E+08	1,081925E+09	1,277001E+09	1,277002E+09	1,081922E+09	7,780751E+08
-295	4,661209E+08	2,296738E+08	1,128460E+08	1,128511E+08	2,296873E+08	4,661343E+08	7,780755E+08	1,081909E+09	1,276983E+09	1,276982E+09	1,081907E+09	7,780737E+08
-294	4,661366E+08	2,296953E+08	1,128594E+08	1,128545E+08	2,296847E+08	4,661281E+08	7,780657E+08	1,081895E+09	1,276971E+09	1,276982E+09	1,081924E+09	7,781030E+08
-293	4,661589E+08	2,296996E+08	1,128586E+08	1,128612E+08	2,297046E+08	4,661587E+08	7,780982E+08	1,081922E+09	1,276979E+09	1,276960E+09	1,081878E+09	7,780481E+08
-292	4,661182E+08	2,296815E+08	1,128515E+08	1,128503E+08	2,296784E+08	4,661186E+08	7,780609E+08	1,081905E+09	1,276991E+09	1,276992E+09	1,081912E+09	7,780781E+08
-291	4,661422E+08	2,296966E+08	1,128551E+08	1,128492E+08	2,296832E+08	4,661327E+08	7,780772E+08	1,081919E+09	1,277006E+09	1,277014E+09	1,081937E+09	7,780940E+08
-290	4,661340E+08	2,296732E+08	1,128379E+08	1,128427E+08	2,296861E+08	4,661453E+08	7,781026E+08	1,081956E+09	1,277037E+09	1,277018E+09	1,081911E+09	7,780540E+08
-289	4,661039E+08	2,296556E+08	1,128229E+08	1,128210E+08	2,296537E+08	4,661096E+08	7,780725E+08	1,081938E+09	1,277045E+09	1,277060E+09	1,081971E+09	7,781070E+08
-288	4,661362E+08	2,296662E+08	1,128190E+08	1,128164E+08	2,296601E+08	4,661325E+08	7,781069E+08	1,081971E+09	1,277065E+09	1,277062E+09	1,081966E+09	7,780957E+08
-287	4,661104E+08	2,296377E+08	1,128000E+08	1,128025E+08	2,296428E+08	4,661135E+08	7,781003E+08	1,081987E+09	1,277096E+09	1,277082E+09	1,081959E+09	7,780792E+08
-286	4,661061E+08	2,296408E+08	1,127993E+08	1,127933E+08	2,296265E+08	4,660908E+08	7,780720E+08	1,081963E+09	1,277094E+09	1,277110E+09	1,082001E+09	7,781203E+08
-285	4,661344E+08	2,296502E+08	1,128001E+08	1,128008E+08	2,296506E+08	4,661283E+08	7,781048E+08	1,081978E+09	1,277085E+09	1,277082E+09	1,081964E+09	7,780760E+08
-284	4,660941E+08	2,296295E+08	1,127942E+08	1,127959E+08	2,296355E+08	4,661049E+08	7,780838E+08	1,081963E+09	1,277076E+09	1,277079E+09	1,081970E+09	7,780927E+08
-283	4,661155E+08	2,296500E+08	1,128084E+08	1,128046E+08	2,296440E+08	4,661133E+08	7,780875E+08	1,081955E+09	1,277058E+09	1,277066E+09	1,081975E+09	7,781140E+08
-282	4,661327E+08	2,296532E+08	1,128119E+08	1,128176E+08	2,296671E+08	4,661412E+08	7,781177E+08	1,081983E+09	1,277060E+09	1,277028E+09	1,081912E+09	7,780521E+08
-281	4,660994E+08	2,296497E+08	1,128188E+08	1,128198E+08	2,296537E+08	4,661093E+08	7,780724E+08	1,081936E+09	1,277033E+09	1,277033E+09	1,081939E+09	7,780873E+08
-280	4,661381E+08	2,296861E+08	1,128446E+08	1,128413E+08	2,296783E+08	4,661322E+08	7,780812E+08	1,081922E+09	1,277001E+09	1,277001E+09	1,081924E+09	7,780843E+08
-279	4,661327E+08	2,296821E+08	1,128517E+08	1,128577E+08	2,296965E+08	4,661423E+08	7,780800E+08	1,081913E+09	1,276985E+09	1,276973E+09	1,081884E+09	7,780487E+08
-278	4,661238E+08	2,296952E+08	1,128685E+08	1,128665E+08	2,296932E+08	4,661233E+08	7,780421E+08	1,081860E+09	1,276939E+09	1,276961E+09	1,081910E+09	7,780966E+08
-277	4,661694E+08	2,297239E+08	1,128845E+08	1,128853E+08	2,297258E+08	4,661668E+08	7,780780E+08	1,081868E+09	1,276907E+09	1,276905E+09	1,081858E+09	7,780558E+08
-276	4,661388E+08	2,297103E+08	1,128853E+08	1,128888E+08	2,297185E+08	4,661478E+08	7,780632E+08	1,081866E+09	1,276909E+09	1,276895E+09	1,081841E+09	7,780512E+08
-275	4,661507E+08	2,297278E+08	1,128967E+08	1,128908E+08	2,297140E+08	4,661365E+08	7,780459E+08	1,081849E+09	1,276905E+09	1,276913E+09	1,081870E+09	7,780812E+08
-274	4,661713E+08	2,297316E+08	1,128956E+08	1,128979E+08	2,297352E+08	4,661699E+08	7,780850E+08	1,081888E+09	1,276925E+09	1,276903E+09	1,081832E+09	7,780247E+08
-273	4,661228E+08	2,297070E+08	1,128843E+08	1,128846E+08	2,297102E+08	4,661366E+08	7,780521E+08	1,081866E+09	1,276934E+09	1,276941E+09	1,081881E+09	7,780648E+08
-272	4,661469E+08	2,297179E+08	1,128841E+08	1,128793E+08	2,297095E+08	4,661458E+08	7,780667E+08	1,081877E+09	1,276942E+09	1,276953E+09	1,081902E+09	7,780861E+08
-271	4,661474E+08	2,296980E+08	1,128662E+08	1,128713E+08	2,297109E+08	4,661568E+08	7,780921E+08	1,081917E+09	1,276980E+09	1,276968E+09	1,081881E+09	7,780463E+08
-270	4,661178E+08	2,296816E+08	1,128514E+08	1,128483E+08	2,296754E+08	4,661156E+08	7,780555E+08	1,081898E+09	1,276991E+09	1,277007E+09	1,081935E+09	7,780989E+08
-269	4,661535E+08	2,296956E+08	1,128494E+08	1,128453E+08	2,296842E+08	4,661400E+08	7,780853E+08	1,081920E+09	1,276995E+09	1,276995E+09	1,081919E+09	7,780780E+08
-268	4,661239E+08	2,296699E+08	1,128360E+08	1,128376E+08	2,296716E+08	4,661218E+08	7,780780E+08	1,081935E+09	1,277022E+09	1,277010E+09	1,081910E+09	7,780627E+08
-267	4,661171E+08	2,296692E+08	1,128349E+08	1,128302E+08	2,296595E+08	4,661045E+08	7,780507E+08	1,081904E+09	1,277012E+09	1,277034E+09	1,081954E+09	7,781058E+08
-266	4,661478E+08	2,296807E+08	1,128366E+08	1,128385E+08	2,296848E+08	4,661485E+08	7,781007E+08	1,081938E+09	1,277009E+09	1,277000E+09	1,081908E+09	7,780542E+08
-265	4,661031E+08	2,296575E+08	1,128289E+08	1,128324E+08	2,296692E+08	4,661259E+08	7,780818E+08	1,081927E+09	1,277007E+09	1,277001E+09	1,081915E+09	7,780716E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,661249E+08	2,296789E+08	1,128435E+08	1,128398E+08	2,296728E+08	4,661242E+08	7,780733E+08	1,081912E+09	1,276988E+09	1,276988E+09	1,081918E+09	7,780933E+08
-263	4,661477E+08	2,296878E+08	1,128507E+08	1,128557E+08	2,296983E+08	4,661508E+08	7,780957E+08	1,081930E+09	1,276993E+09	1,276969E+09	1,081870E+09	7,780348E+08
-262	4,661135E+08	2,296850E+08	1,128598E+08	1,128602E+08	2,296873E+08	4,661193E+08	7,780463E+08	1,081877E+09	1,276960E+09	1,276969E+09	1,081900E+09	7,780780E+08
-261	4,661572E+08	2,297228E+08	1,128855E+08	1,128824E+08	2,297157E+08	4,661497E+08	7,780585E+08	1,081853E+09	1,276905E+09	1,276915E+09	1,081873E+09	7,780708E+08
-260	4,661509E+08	2,297200E+08	1,128947E+08	1,129003E+08	2,297336E+08	4,661604E+08	7,780660E+08	1,081857E+09	1,276893E+09	1,276879E+09	1,081825E+09	7,780351E+08
-259	4,661417E+08	2,297295E+08	1,129084E+08	1,129068E+08	2,297281E+08	4,661392E+08	7,780276E+08	1,081809E+09	1,276855E+09	1,276873E+09	1,081851E+09	7,780791E+08
-258	4,661875E+08	2,297599E+08	1,129240E+08	1,129239E+08	2,297577E+08	4,661812E+08	7,780702E+08	1,081834E+09	1,276842E+09	1,276827E+09	1,081796E+09	7,780276E+08
-257	4,661471E+08	2,297414E+08	1,129224E+08	1,129260E+08	2,297505E+08	4,661625E+08	7,780526E+08	1,081829E+09	1,276851E+09	1,276834E+09	1,081795E+09	7,780277E+08
-256	4,661559E+08	2,297551E+08	1,129315E+08	1,129261E+08	2,297436E+08	4,661459E+08	7,780253E+08	1,081801E+09	1,276841E+09	1,276852E+09	1,081831E+09	7,780654E+08
-255	4,661811E+08	2,297596E+08	1,129291E+08	1,129324E+08	2,297662E+08	4,661835E+08	7,780659E+08	1,081833E+09	1,276859E+09	1,276853E+09	1,081806E+09	7,780177E+08
-254	4,661346E+08	2,297332E+08	1,129154E+08	1,129160E+08	2,297377E+08	4,661496E+08	7,780395E+08	1,081821E+09	1,276867E+09	1,276882E+09	1,081850E+09	7,780632E+08
-253	4,661652E+08	2,297455E+08	1,129131E+08	1,129079E+08	2,297343E+08	4,661565E+08	7,780523E+08	1,081830E+09	1,276865E+09	1,276876E+09	1,081853E+09	7,780731E+08
-252	4,661637E+08	2,297291E+08	1,128987E+08	1,129018E+08	2,297341E+08	4,661625E+08	7,780751E+08	1,081875E+09	1,276915E+09	1,276894E+09	1,081829E+09	7,780306E+08
-251	4,661314E+08	2,297106E+08	1,128843E+08	1,128806E+08	2,297014E+08	4,661215E+08	7,780328E+08	1,081848E+09	1,276924E+09	1,276941E+09	1,081888E+09	7,780810E+08
-250	4,661660E+08	2,297261E+08	1,128842E+08	1,128801E+08	2,297136E+08	4,661516E+08	7,780713E+08	1,081878E+09	1,276929E+09	1,276928E+09	1,081870E+09	7,780544E+08
-249	4,661286E+08	2,296957E+08	1,128691E+08	1,128731E+08	2,297059E+08	4,661435E+08	7,780728E+08	1,081894E+09	1,276954E+09	1,276943E+09	1,081867E+09	7,780445E+08
-248	4,661219E+08	2,296929E+08	1,128664E+08	1,128636E+08	2,296899E+08	4,661215E+08	7,780442E+08	1,081864E+09	1,276941E+09	1,276958E+09	1,081904E+09	7,780889E+08
-247	4,661593E+08	2,297087E+08	1,128693E+08	1,128722E+08	2,297150E+08	4,661642E+08	7,780922E+08	1,081900E+09	1,276949E+09	1,276940E+09	1,081866E+09	7,780393E+08
-246	4,661167E+08	2,296881E+08	1,128634E+08	1,128662E+08	2,296969E+08	4,661363E+08	7,780679E+08	1,081889E+09	1,276950E+09	1,276942E+09	1,081874E+09	7,780595E+08
-245	4,661422E+08	2,297130E+08	1,128805E+08	1,128758E+08	2,297023E+08	4,661324E+08	7,780493E+08	1,081856E+09	1,276912E+09	1,276917E+09	1,081871E+09	7,780763E+08
-244	4,661637E+08	2,297261E+08	1,128936E+08	1,128975E+08	2,297325E+08	4,661603E+08	7,780687E+08	1,081868E+09	1,276910E+09	1,276891E+09	1,081823E+09	7,780235E+08
-243	4,661305E+08	2,297210E+08	1,129026E+08	1,129038E+08	2,297257E+08	4,661348E+08	7,780208E+08	1,081807E+09	1,276863E+09	1,276882E+09	1,081850E+09	7,780672E+08
-242	4,661772E+08	2,297605E+08	1,129282E+08	1,129253E+08	2,297530E+08	4,661690E+08	7,780491E+08	1,081803E+09	1,276813E+09	1,276819E+09	1,081811E+09	7,780500E+08
-241	4,661648E+08	2,297544E+08	1,129348E+08	1,129415E+08	2,297707E+08	4,661809E+08	7,780590E+08	1,081813E+09	1,276812E+09	1,276790E+09	1,081763E+09	7,780117E+08
-240	4,661527E+08	2,297620E+08	1,129465E+08	1,129444E+08	2,297589E+08	4,661503E+08	7,780111E+08	1,081763E+09	1,276782E+09	1,276791E+09	1,081790E+09	7,780541E+08
-239	4,661993E+08	2,297939E+08	1,129627E+08	1,129622E+08	2,297898E+08	4,661924E+08	7,780501E+08	1,081783E+09	1,276780E+09	1,276772E+09	1,081755E+09	7,780087E+08
-238	4,661573E+08	2,297726E+08	1,129592E+08	1,129627E+08	2,297821E+08	4,661747E+08	7,780338E+08	1,081780E+09	1,276787E+09	1,276779E+09	1,081762E+09	7,780180E+08
-237	4,661687E+08	2,297838E+08	1,129648E+08	1,129602E+08	2,297752E+08	4,661620E+08	7,780100E+08	1,081748E+09	1,276763E+09	1,276782E+09	1,081791E+09	7,780549E+08
-236	4,661946E+08	2,297893E+08	1,129631E+08	1,129662E+08	2,297954E+08	4,661975E+08	7,780561E+08	1,081792E+09	1,276789E+09	1,276778E+09	1,081762E+09	7,780110E+08
-235	4,661499E+08	2,297600E+08	1,129462E+08	1,129469E+08	2,297639E+08	4,661595E+08	7,780253E+08	1,081780E+09	1,276803E+09	1,276813E+09	1,081805E+09	7,780519E+08
-234	4,661814E+08	2,297751E+08	1,129445E+08	1,129380E+08	2,297575E+08	4,661644E+08	7,780431E+08	1,081799E+09	1,276809E+09	1,276811E+09	1,081803E+09	7,780511E+08
-233	4,661711E+08	2,297556E+08	1,129300E+08	1,129332E+08	2,297606E+08	4,661720E+08	7,780608E+08	1,081837E+09	1,276858E+09	1,276836E+09	1,081787E+09	7,780101E+08
-232	4,661356E+08	2,297349E+08	1,129151E+08	1,129122E+08	2,297287E+08	4,661304E+08	7,780123E+08	1,081799E+09	1,276856E+09	1,276876E+09	1,081845E+09	7,780640E+08
-231	4,661738E+08	2,297521E+08	1,129160E+08	1,129135E+08	2,297449E+08	4,661678E+08	7,780561E+08	1,081826E+09	1,276860E+09	1,276871E+09	1,081835E+09	7,780428E+08
-230	4,661393E+08	2,297220E+08	1,129004E+08	1,129051E+08	2,297351E+08	4,661598E+08	7,780658E+08	1,081854E+09	1,276887E+09	1,276875E+09	1,081825E+09	7,780357E+08
-229	4,661382E+08	2,297221E+08	1,128979E+08	1,128954E+08	2,297179E+08	4,661339E+08	7,780318E+08	1,081821E+09	1,276868E+09	1,276878E+09	1,081850E+09	7,780718E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,661749E+08	2,297437E+08	1,129071E+08	1,129079E+08	2,297428E+08	4,661714E+08	7,780736E+08	1,081856E+09	1,276881E+09	1,276863E+09	1,081813E+09	7,780243E+08
-227	4,661326E+08	2,297230E+08	1,129036E+08	1,129058E+08	2,297290E+08	4,661437E+08	7,780410E+08	1,081831E+09	1,276875E+09	1,276873E+09	1,081828E+09	7,780445E+08
-226	4,661594E+08	2,297511E+08	1,129234E+08	1,129183E+08	2,297379E+08	4,661461E+08	7,780311E+08	1,081801E+09	1,276830E+09	1,276839E+09	1,081821E+09	7,780569E+08
-225	4,661744E+08	2,297602E+08	1,129354E+08	1,129410E+08	2,297728E+08	4,661827E+08	7,780573E+08	1,081813E+09	1,276824E+09	1,276808E+09	1,081773E+09	7,780070E+08
-224	4,661420E+08	2,297534E+08	1,129422E+08	1,129447E+08	2,297625E+08	4,661537E+08	7,780090E+08	1,081755E+09	1,276775E+09	1,276790E+09	1,081790E+09	7,780491E+08
-223	4,661931E+08	2,297950E+08	1,129673E+08	1,129651E+08	2,297885E+08	4,661858E+08	7,780342E+08	1,081752E+09	1,276740E+09	1,276745E+09	1,081756E+09	7,780308E+08
-222	4,661794E+08	2,297887E+08	1,129733E+08	1,129792E+08	2,298026E+08	4,661940E+08	7,780451E+08	1,081770E+09	1,276747E+09	1,276721E+09	1,081714E+09	7,779951E+08
-221	4,661679E+08	2,297960E+08	1,129843E+08	1,129819E+08	2,297907E+08	4,661601E+08	7,779890E+08	1,081709E+09	1,276706E+09	1,276717E+09	1,081740E+09	7,780340E+08
-220	4,662104E+08	2,298280E+08	1,130025E+08	1,130014E+08	2,298228E+08	4,662038E+08	7,780284E+08	1,081730E+09	1,276704E+09	1,276698E+09	1,081712E+09	7,779991E+08
-219	4,661708E+08	2,298030E+08	1,129961E+08	1,130003E+08	2,298156E+08	4,661899E+08	7,780162E+08	1,081725E+09	1,276709E+09	1,276709E+09	1,081722E+09	7,780105E+08
-218	4,661856E+08	2,298147E+08	1,129992E+08	1,129942E+08	2,298037E+08	4,661767E+08	7,780052E+08	1,081710E+09	1,276691E+09	1,276705E+09	1,081740E+09	7,780383E+08
-217	4,662057E+08	2,298168E+08	1,129948E+08	1,129980E+08	2,298228E+08	4,662104E+08	7,780479E+08	1,081758E+09	1,276728E+09	1,276709E+09	1,081712E+09	7,779926E+08
-216	4,661594E+08	2,297867E+08	1,129765E+08	1,129763E+08	2,297870E+08	4,661643E+08	7,780059E+08	1,081738E+09	1,276742E+09	1,276746E+09	1,081754E+09	7,780317E+08
-215	4,661912E+08	2,298029E+08	1,129762E+08	1,129696E+08	2,297843E+08	4,661711E+08	7,780186E+08	1,081749E+09	1,276754E+09	1,276764E+09	1,081768E+09	7,780356E+08
-214	4,661794E+08	2,297817E+08	1,129611E+08	1,129646E+08	2,297890E+08	4,661844E+08	7,780450E+08	1,081791E+09	1,276796E+09	1,276782E+09	1,081755E+09	7,780014E+08
-213	4,661467E+08	2,297601E+08	1,129448E+08	1,129433E+08	2,297581E+08	4,661462E+08	7,780011E+08	1,081752E+09	1,276783E+09	1,276805E+09	1,081802E+09	7,780505E+08
-212	4,661843E+08	2,297800E+08	1,129488E+08	1,129461E+08	2,297737E+08	4,661827E+08	7,780495E+08	1,081791E+09	1,276795E+09	1,276795E+09	1,081787E+09	7,780333E+08
-211	4,661541E+08	2,297507E+08	1,129333E+08	1,129380E+08	2,297635E+08	4,661719E+08	7,780533E+08	1,081816E+09	1,276827E+09	1,276809E+09	1,081778E+09	7,780214E+08
-210	4,661542E+08	2,297549E+08	1,129338E+08	1,129299E+08	2,297451E+08	4,661442E+08	7,780220E+08	1,081786E+09	1,276807E+09	1,276812E+09	1,081799E+09	7,780500E+08
-209	4,661843E+08	2,297754E+08	1,129452E+08	1,129465E+08	2,297757E+08	4,661829E+08	7,780550E+08	1,081808E+09	1,276814E+09	1,276798E+09	1,081769E+09	7,780068E+08
-208	4,661420E+08	2,297545E+08	1,129423E+08	1,129455E+08	2,297637E+08	4,661555E+08	7,780148E+08	1,081768E+09	1,276789E+09	1,276793E+09	1,081780E+09	7,780308E+08
-207	4,661739E+08	2,297851E+08	1,129638E+08	1,129601E+08	2,297763E+08	4,661642E+08	7,780093E+08	1,081736E+09	1,276743E+09	1,276763E+09	1,081775E+09	7,780463E+08
-206	4,661914E+08	2,297944E+08	1,129745E+08	1,129803E+08	2,298078E+08	4,662005E+08	7,780450E+08	1,081761E+09	1,276736E+09	1,276719E+09	1,081718E+09	7,779943E+08
-205	4,661614E+08	2,297890E+08	1,129807E+08	1,129830E+08	2,297957E+08	4,661670E+08	7,779922E+08	1,081702E+09	1,276688E+09	1,276694E+09	1,081722E+09	7,780253E+08
-204	4,662085E+08	2,298336E+08	1,130097E+08	1,130056E+08	2,298212E+08	4,661965E+08	7,780150E+08	1,081704E+09	1,276664E+09	1,276658E+09	1,081695E+09	7,780107E+08
-203	4,661940E+08	2,298248E+08	1,130152E+08	1,130206E+08	2,298375E+08	4,662053E+08	7,780213E+08	1,081715E+09	1,276673E+09	1,276650E+09	1,081664E+09	7,779772E+08
-202	4,661822E+08	2,298316E+08	1,130252E+08	1,130224E+08	2,298255E+08	4,661774E+08	7,779786E+08	1,081662E+09	1,276631E+09	1,276645E+09	1,081692E+09	7,780153E+08
-201	4,662183E+08	2,298575E+08	1,130401E+08	1,130403E+08	2,298586E+08	4,662242E+08	7,780213E+08	1,081687E+09	1,276633E+09	1,276628E+09	1,081669E+09	7,779856E+08
-200	4,661813E+08	2,298304E+08	1,130293E+08	1,130341E+08	2,298450E+08	4,662029E+08	7,780041E+08	1,081683E+09	1,276641E+09	1,276636E+09	1,081674E+09	7,779973E+08
-199	4,661997E+08	2,298433E+08	1,130312E+08	1,130261E+08	2,298310E+08	4,661864E+08	7,779866E+08	1,081668E+09	1,276638E+09	1,276653E+09	1,081700E+09	7,780248E+08
-198	4,662183E+08	2,298447E+08	1,130255E+08	1,130271E+08	2,298460E+08	4,662165E+08	7,780302E+08	1,081718E+09	1,276675E+09	1,276657E+09	1,081676E+09	7,779804E+08
-197	4,661722E+08	2,298141E+08	1,130070E+08	1,130067E+08	2,298127E+08	4,661699E+08	7,779816E+08	1,081686E+09	1,276674E+09	1,276682E+09	1,081711E+09	7,780156E+08
-196	4,662008E+08	2,298313E+08	1,130096E+08	1,130028E+08	2,298137E+08	4,661827E+08	7,779990E+08	1,081698E+09	1,276680E+09	1,276692E+09	1,081727E+09	7,780277E+08
-195	4,661916E+08	2,298082E+08	1,129934E+08	1,129980E+08	2,298202E+08	4,662013E+08	7,780329E+08	1,081743E+09	1,276722E+09	1,276711E+09	1,081713E+09	7,779924E+08
-194	4,661622E+08	2,297890E+08	1,129772E+08	1,129754E+08	2,297861E+08	4,661636E+08	7,780021E+08	1,081721E+09	1,276715E+09	1,276728E+09	1,081748E+09	7,780307E+08
-193	4,661929E+08	2,298069E+08	1,129814E+08	1,129790E+08	2,298022E+08	4,661969E+08	7,780431E+08	1,081760E+09	1,276738E+09	1,276727E+09	1,081736E+09	7,780121E+08

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°
-192	4,661637E+08	2,297799E+08	1,129672E+08	1,129711E+08	2,297904E+08	4,661790E+08	7,780334E+08	1,081772E+09	1,276766E+09	1,276743E+09	1,081728E+09	7,780019E+08
-191	4,661659E+08	2,297867E+08	1,129709E+08	1,129672E+08	2,297770E+08	4,661528E+08	7,779930E+08	1,081729E+09	1,276743E+09	1,276757E+09	1,081761E+09	7,780361E+08
-190	4,661969E+08	2,298068E+08	1,129826E+08	1,129840E+08	2,298091E+08	4,661973E+08	7,780353E+08	1,081752E+09	1,276737E+09	1,276729E+09	1,081730E+09	7,779994E+08
-189	4,661591E+08	2,297868E+08	1,129798E+08	1,129843E+08	2,297992E+08	4,661722E+08	7,779977E+08	1,081708E+09	1,276696E+09	1,276702E+09	1,081724E+09	7,780164E+08
-188	4,661908E+08	2,298206E+08	1,130041E+08	1,130000E+08	2,298112E+08	4,661807E+08	7,779959E+08	1,081686E+09	1,276656E+09	1,276666E+09	1,081714E+09	7,780331E+08
-187	4,662103E+08	2,298305E+08	1,130151E+08	1,130203E+08	2,298422E+08	4,662155E+08	7,780291E+08	1,081712E+09	1,276659E+09	1,276636E+09	1,081658E+09	7,779746E+08
-186	4,661792E+08	2,298276E+08	1,130230E+08	1,130232E+08	2,298278E+08	4,661808E+08	7,779816E+08	1,081659E+09	1,276615E+09	1,276615E+09	1,081661E+09	7,779969E+08
-185	4,662157E+08	2,298671E+08	1,130517E+08	1,130480E+08	2,298581E+08	4,662115E+08	7,779977E+08	1,081656E+09	1,276595E+09	1,276589E+09	1,081645E+09	7,779879E+08
-184	4,662025E+08	2,298567E+08	1,130548E+08	1,130610E+08	2,298734E+08	4,662203E+08	7,779996E+08	1,081657E+09	1,276594E+09	1,276577E+09	1,081618E+09	7,779631E+08
-183	4,661952E+08	2,298629E+08	1,130629E+08	1,130614E+08	2,298611E+08	4,661945E+08	7,779602E+08	1,081608E+09	1,276560E+09	1,276581E+09	1,081653E+09	7,780067E+08
-182	4,662339E+08	2,298870E+08	1,130739E+08	1,130738E+08	2,298874E+08	4,662376E+08	7,780105E+08	1,081646E+09	1,276564E+09	1,276558E+09	1,081626E+09	7,779786E+08
-181	4,662000E+08	2,298606E+08	1,130616E+08	1,130656E+08	2,298706E+08	4,662093E+08	7,779836E+08	1,081635E+09	1,276570E+09	1,276561E+09	1,081621E+09	7,779803E+08
-180	4,662142E+08	2,298754E+08	1,130660E+08	1,130590E+08	2,298569E+08	4,661921E+08	7,779639E+08	1,081619E+09	1,276569E+09	1,276582E+09	1,081654E+09	7,780114E+08
-179	4,662315E+08	2,298745E+08	1,130599E+08	1,130609E+08	2,298749E+08	4,662258E+08	7,780069E+08	1,081665E+09	1,276606E+09	1,276596E+09	1,081636E+09	7,779663E+08
-178	4,661841E+08	2,298431E+08	1,130406E+08	1,130400E+08	2,298426E+08	4,661887E+08	7,779771E+08	1,081645E+09	1,276604E+09	1,276614E+09	1,081665E+09	7,779959E+08
-177	4,662054E+08	2,298546E+08	1,130410E+08	1,130362E+08	2,298458E+08	4,662044E+08	7,779995E+08	1,081667E+09	1,276620E+09	1,276626E+09	1,081680E+09	7,780096E+08
-176	4,661998E+08	2,298318E+08	1,130223E+08	1,130277E+08	2,298469E+08	4,662153E+08	7,780261E+08	1,081711E+09	1,276665E+09	1,276645E+09	1,081664E+09	7,779762E+08
-175	4,661737E+08	2,298154E+08	1,130077E+08	1,130060E+08	2,298123E+08	4,661738E+08	7,779869E+08	1,081687E+09	1,276671E+09	1,276681E+09	1,081709E+09	7,780161E+08
-174	4,662045E+08	2,298341E+08	1,130128E+08	1,130092E+08	2,298257E+08	4,662024E+08	7,780248E+08	1,081720E+09	1,276684E+09	1,276676E+09	1,081701E+09	7,780013E+08
-173	4,661778E+08	2,298091E+08	1,130010E+08	1,130051E+08	2,298181E+08	4,661835E+08	7,780034E+08	1,081711E+09	1,276689E+09	1,276675E+09	1,081686E+09	7,779887E+08
-172	4,661801E+08	2,298200E+08	1,130097E+08	1,130057E+08	2,298108E+08	4,661659E+08	7,779680E+08	1,081663E+09	1,276652E+09	1,276674E+09	1,081716E+09	7,780301E+08
-171	4,662156E+08	2,298409E+08	1,130221E+08	1,130237E+08	2,298442E+08	4,662137E+08	7,780162E+08	1,081690E+09	1,276644E+09	1,276641E+09	1,081676E+09	7,779877E+08
-170	4,661805E+08	2,298246E+08	1,130208E+08	1,130241E+08	2,298333E+08	4,661916E+08	7,779925E+08	1,081662E+09	1,276608E+09	1,276603E+09	1,081653E+09	7,779902E+08
-169	4,662035E+08	2,298562E+08	1,130460E+08	1,130418E+08	2,298473E+08	4,661977E+08	7,779846E+08	1,081643E+09	1,276581E+09	1,276579E+09	1,081645E+09	7,780025E+08
-168	4,662216E+08	2,298664E+08	1,130570E+08	1,130616E+08	2,298767E+08	4,662274E+08	7,780076E+08	1,081659E+09	1,276584E+09	1,276558E+09	1,081599E+09	7,779491E+08
-167	4,661905E+08	2,298631E+08	1,130658E+08	1,130667E+08	2,298662E+08	4,661957E+08	7,779570E+08	1,081603E+09	1,276549E+09	1,276556E+09	1,081619E+09	7,779799E+08
-166	4,662262E+08	2,298984E+08	1,130909E+08	1,130878E+08	2,298939E+08	4,662300E+08	7,779842E+08	1,081605E+09	1,276522E+09	1,276525E+09	1,081608E+09	7,779800E+08
-165	4,662182E+08	2,298876E+08	1,130916E+08	1,130990E+08	2,299071E+08	4,662357E+08	7,779843E+08	1,081604E+09	1,276513E+09	1,276499E+09	1,081572E+09	7,779526E+08
-164	4,662128E+08	2,298960E+08	1,130998E+08	1,130977E+08	2,298923E+08	4,662080E+08	7,779454E+08	1,081561E+09	1,276484E+09	1,276501E+09	1,081605E+09	7,779988E+08
-163	4,662528E+08	2,299196E+08	1,131094E+08	1,131079E+08	2,299151E+08	4,662467E+08	7,779916E+08	1,081599E+09	1,276498E+09	1,276490E+09	1,081580E+09	7,779650E+08
-162	4,662177E+08	2,298944E+08	1,130976E+08	1,130994E+08	2,298972E+08	4,662198E+08	7,779711E+08	1,081591E+09	1,276500E+09	1,276490E+09	1,081569E+09	7,779568E+08
-161	4,662206E+08	2,299029E+08	1,131006E+08	1,130944E+08	2,298884E+08	4,662056E+08	7,779481E+08	1,081573E+09	1,276503E+09	1,276517E+09	1,081607E+09	7,779898E+08
-160	4,662382E+08	2,299001E+08	1,130916E+08	1,130938E+08	2,299053E+08	4,662416E+08	7,779924E+08	1,081615E+09	1,276535E+09	1,276528E+09	1,081593E+09	7,779520E+08
-159	4,661940E+08	2,298683E+08	1,130711E+08	1,130718E+08	2,298722E+08	4,662050E+08	7,779667E+08	1,081606E+09	1,276548E+09	1,276556E+09	1,081625E+09	7,779828E+08
-158	4,662153E+08	2,298774E+08	1,130685E+08	1,130636E+08	2,298693E+08	4,662167E+08	7,779946E+08	1,081640E+09	1,276569E+09	1,276568E+09	1,081640E+09	7,779977E+08
-157	4,662136E+08	2,298580E+08	1,130513E+08	1,130561E+08	2,298688E+08	4,662193E+08	7,780069E+08	1,081670E+09	1,276607E+09	1,276583E+09	1,081618E+09	7,779592E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,661868E+08	2,298457E+08	1,130413E+08	1,130382E+08	2,298374E+08	4,661780E+08	7,779619E+08	1,081636E+09	1,276604E+09	1,276617E+09	1,081670E+09	7,780061E+08
-155	4,662195E+08	2,298656E+08	1,130489E+08	1,130447E+08	2,298551E+08	4,662105E+08	7,779980E+08	1,081660E+09	1,276609E+09	1,276613E+09	1,081664E+09	7,779922E+08
-154	4,661952E+08	2,298432E+08	1,130394E+08	1,130427E+08	2,298510E+08	4,662021E+08	7,779925E+08	1,081655E+09	1,276601E+09	1,276592E+09	1,081634E+09	7,779707E+08
-153	4,661911E+08	2,298510E+08	1,130485E+08	1,130461E+08	2,298482E+08	4,661879E+08	7,779613E+08	1,081617E+09	1,276571E+09	1,276587E+09	1,081656E+09	7,780081E+08
-152	4,662291E+08	2,298737E+08	1,130600E+08	1,130621E+08	2,298785E+08	4,662312E+08	7,780040E+08	1,081642E+09	1,276566E+09	1,276554E+09	1,081613E+09	7,779648E+08
-151	4,661946E+08	2,298593E+08	1,130607E+08	1,130642E+08	2,298682E+08	4,662068E+08	7,779758E+08	1,081619E+09	1,276549E+09	1,276537E+09	1,081598E+09	7,779661E+08
-150	4,662139E+08	2,298883E+08	1,130850E+08	1,130806E+08	2,298799E+08	4,662106E+08	7,779693E+08	1,081599E+09	1,276518E+09	1,276516E+09	1,081600E+09	7,779843E+08
-149	4,662339E+08	2,298991E+08	1,130967E+08	1,131024E+08	2,299115E+08	4,662382E+08	7,779815E+08	1,081597E+09	1,276503E+09	1,276485E+09	1,081553E+09	7,779347E+08
-148	4,662049E+08	2,298979E+08	1,131071E+08	1,131086E+08	2,299034E+08	4,662131E+08	7,779375E+08	1,081541E+09	1,276458E+09	1,276475E+09	1,081578E+09	7,779759E+08
-147	4,662461E+08	2,299331E+08	1,131306E+08	1,131274E+08	2,299279E+08	4,662458E+08	7,779682E+08	1,081549E+09	1,276436E+09	1,276443E+09	1,081562E+09	7,779726E+08
-146	4,662411E+08	2,299247E+08	1,131306E+08	1,131360E+08	2,299375E+08	4,662512E+08	7,779759E+08	1,081558E+09	1,276431E+09	1,276410E+09	1,081511E+09	7,779318E+08
-145	4,662270E+08	2,299299E+08	1,131383E+08	1,131355E+08	2,299239E+08	4,662206E+08	7,779304E+08	1,081517E+09	1,276415E+09	1,276425E+09	1,081545E+09	7,779727E+08
-144	4,662645E+08	2,299516E+08	1,131455E+08	1,131433E+08	2,299439E+08	4,662542E+08	7,779670E+08	1,081544E+09	1,276426E+09	1,276420E+09	1,081528E+09	7,779428E+08
-143	4,662271E+08	2,299242E+08	1,131330E+08	1,131356E+08	2,299297E+08	4,662329E+08	7,779506E+08	1,081543E+09	1,276442E+09	1,276435E+09	1,081530E+09	7,779398E+08
-142	4,662270E+08	2,299266E+08	1,131311E+08	1,131260E+08	2,299176E+08	4,662232E+08	7,779428E+08	1,081537E+09	1,276443E+09	1,276459E+09	1,081571E+09	7,779782E+08
-141	4,662476E+08	2,299229E+08	1,131199E+08	1,131233E+08	2,299310E+08	4,662537E+08	7,779832E+08	1,081577E+09	1,276471E+09	1,276463E+09	1,081551E+09	7,779399E+08
-140	4,662068E+08	2,298946E+08	1,131006E+08	1,131009E+08	2,298969E+08	4,662163E+08	7,779572E+08	1,081572E+09	1,276489E+09	1,276495E+09	1,081588E+09	7,779749E+08
-139	4,662302E+08	2,299053E+08	1,130989E+08	1,130926E+08	2,298912E+08	4,662216E+08	7,779763E+08	1,081599E+09	1,276515E+09	1,276516E+09	1,081604E+09	7,779863E+08
-138	4,662295E+08	2,298896E+08	1,130851E+08	1,130876E+08	2,298929E+08	4,662265E+08	7,779897E+08	1,081624E+09	1,276540E+09	1,276519E+09	1,081575E+09	7,779404E+08
-137	4,661956E+08	2,298750E+08	1,130775E+08	1,130755E+08	2,298706E+08	4,661912E+08	7,779409E+08	1,081581E+09	1,276529E+09	1,276547E+09	1,081624E+09	7,779880E+08
-136	4,662309E+08	2,298956E+08	1,130847E+08	1,130819E+08	2,298887E+08	4,662262E+08	7,779782E+08	1,081598E+09	1,276520E+09	1,276531E+09	1,081615E+09	7,779784E+08
-135	4,662099E+08	2,298749E+08	1,130766E+08	1,130815E+08	2,298868E+08	4,662210E+08	7,779803E+08	1,081608E+09	1,276526E+09	1,276512E+09	1,081581E+09	7,779535E+08
-134	4,662042E+08	2,298813E+08	1,130841E+08	1,130821E+08	2,298797E+08	4,662050E+08	7,779557E+08	1,081580E+09	1,276502E+09	1,276508E+09	1,081598E+09	7,779869E+08
-133	4,662426E+08	2,299064E+08	1,130976E+08	1,130997E+08	2,299089E+08	4,662407E+08	7,779849E+08	1,081593E+09	1,276492E+09	1,276476E+09	1,081554E+09	7,779414E+08
-132	4,662082E+08	2,298955E+08	1,131021E+08	1,131052E+08	2,299027E+08	4,662189E+08	7,779542E+08	1,081563E+09	1,276470E+09	1,276463E+09	1,081553E+09	7,779510E+08
-131	4,662284E+08	2,299236E+08	1,131267E+08	1,131225E+08	2,299158E+08	4,662251E+08	7,779476E+08	1,081540E+09	1,276439E+09	1,276447E+09	1,081560E+09	7,779737E+08
-130	4,662519E+08	2,299364E+08	1,131389E+08	1,131440E+08	2,299481E+08	4,662595E+08	7,779726E+08	1,081543E+09	1,276415E+09	1,276400E+09	1,081502E+09	7,779199E+08
-129	4,662195E+08	2,299321E+08	1,131482E+08	1,131507E+08	2,299411E+08	4,662328E+08	7,779281E+08	1,081495E+09	1,276378E+09	1,276390E+09	1,081521E+09	7,779581E+08
-128	4,662635E+08	2,299679E+08	1,131688E+08	1,131654E+08	2,299597E+08	4,662580E+08	7,779505E+08	1,081499E+09	1,276360E+09	1,276364E+09	1,081506E+09	7,779547E+08
-127	4,662577E+08	2,299601E+08	1,131692E+08	1,131738E+08	2,299684E+08	4,662602E+08	7,779539E+08	1,081511E+09	1,276371E+09	1,276346E+09	1,081462E+09	7,779107E+08
-126	4,662366E+08	2,299594E+08	1,131731E+08	1,131700E+08	2,299524E+08	4,662301E+08	7,779127E+08	1,081472E+09	1,276352E+09	1,276364E+09	1,081503E+09	7,779546E+08
-125	4,662729E+08	2,299789E+08	1,131790E+08	1,131778E+08	2,299735E+08	4,662636E+08	7,779433E+08	1,081487E+09	1,276350E+09	1,276352E+09	1,081486E+09	7,779288E+08
-124	4,662377E+08	2,299518E+08	1,131659E+08	1,131693E+08	2,299605E+08	4,662494E+08	7,779382E+08	1,081493E+09	1,276363E+09	1,276364E+09	1,081494E+09	7,779335E+08
-123	4,662409E+08	2,299531E+08	1,131617E+08	1,131567E+08	2,299440E+08	4,662367E+08	7,779349E+08	1,081499E+09	1,276379E+09	1,276394E+09	1,081532E+09	7,779694E+08
-122	4,662641E+08	2,299528E+08	1,131511E+08	1,131526E+08	2,299547E+08	4,662657E+08	7,779770E+08	1,081543E+09	1,276408E+09	1,276392E+09	1,081501E+09	7,779211E+08
-121	4,662172E+08	2,299231E+08	1,131335E+08	1,131333E+08	2,299233E+08	4,662249E+08	7,779423E+08	1,081535E+09	1,276434E+09	1,276434E+09	1,081539E+09	7,779528E+08

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°
-120	4,662403E+08	2,299341E+08	1,131316E+08	1,131252E+08	2,299176E+08	4,662271E+08	7,779510E+08	1,081546E+09	1,276448E+09	1,276456E+09	1,081564E+09	7,779703E+08
-119	4,662397E+08	2,299189E+08	1,131197E+08	1,131232E+08	2,299247E+08	4,662388E+08	7,779686E+08	1,081574E+09	1,276477E+09	1,276460E+09	1,081537E+09	7,779269E+08
-118	4,662040E+08	2,299004E+08	1,131095E+08	1,131093E+08	2,299024E+08	4,662107E+08	7,779356E+08	1,081540E+09	1,276458E+09	1,276476E+09	1,081581E+09	7,779758E+08
-117	4,662429E+08	2,299225E+08	1,131173E+08	1,131161E+08	2,299189E+08	4,662399E+08	7,779663E+08	1,081552E+09	1,276443E+09	1,276449E+09	1,081561E+09	7,779631E+08
-116	4,662252E+08	2,299069E+08	1,131122E+08	1,131172E+08	2,299183E+08	4,662365E+08	7,779701E+08	1,081566E+09	1,276451E+09	1,276435E+09	1,081531E+09	7,779390E+08
-115	4,662201E+08	2,299154E+08	1,131221E+08	1,131190E+08	2,299091E+08	4,662149E+08	7,779390E+08	1,081536E+09	1,276436E+09	1,276441E+09	1,081551E+09	7,779690E+08
-114	4,662576E+08	2,299434E+08	1,131388E+08	1,131391E+08	2,299412E+08	4,662534E+08	7,779670E+08	1,081539E+09	1,276413E+09	1,276399E+09	1,081503E+09	7,779207E+08
-113	4,662195E+08	2,299310E+08	1,131455E+08	1,131496E+08	2,299424E+08	4,662364E+08	7,779344E+08	1,081505E+09	1,276388E+09	1,276385E+09	1,081501E+09	7,779333E+08
-112	4,662438E+08	2,299592E+08	1,131680E+08	1,131646E+08	2,299528E+08	4,662411E+08	7,779265E+08	1,081475E+09	1,276345E+09	1,276361E+09	1,081509E+09	7,779613E+08
-111	4,662702E+08	2,299732E+08	1,131805E+08	1,131860E+08	2,299845E+08	4,662746E+08	7,779559E+08	1,081495E+09	1,276339E+09	1,276317E+09	1,081448E+09	7,779048E+08
-110	4,662359E+08	2,299664E+08	1,131867E+08	1,131888E+08	2,299733E+08	4,662466E+08	7,779156E+08	1,081451E+09	1,276306E+09	1,276309E+09	1,081464E+09	7,779391E+08
-109	4,662780E+08	2,300014E+08	1,132069E+08	1,132029E+08	2,299888E+08	4,662628E+08	7,779231E+08	1,081441E+09	1,276281E+09	1,276285E+09	1,081451E+09	7,779339E+08
-108	4,662709E+08	2,299944E+08	1,132082E+08	1,132123E+08	2,300016E+08	4,662721E+08	7,779312E+08	1,081452E+09	1,276288E+09	1,276274E+09	1,081421E+09	7,778971E+08
-107	4,662488E+08	2,299908E+08	1,132098E+08	1,132067E+08	2,299846E+08	4,662450E+08	7,778963E+08	1,081420E+09	1,276279E+09	1,276298E+09	1,081464E+09	7,779424E+08
-106	4,662850E+08	2,300090E+08	1,132136E+08	1,132120E+08	2,300046E+08	4,662844E+08	7,779402E+08	1,081446E+09	1,276276E+09	1,276275E+09	1,081438E+09	7,779131E+08
-105	4,662478E+08	2,299789E+08	1,131988E+08	1,132034E+08	2,299920E+08	4,662677E+08	7,779357E+08	1,081464E+09	1,276306E+09	1,276295E+09	1,081442E+09	7,779149E+08
-104	4,662529E+08	2,299798E+08	1,131913E+08	1,131865E+08	2,299690E+08	4,662464E+08	7,779227E+08	1,081464E+09	1,276325E+09	1,276334E+09	1,081488E+09	7,779536E+08
-103	4,662752E+08	2,299806E+08	1,131825E+08	1,131835E+08	2,299794E+08	4,662709E+08	7,779594E+08	1,081510E+09	1,276365E+09	1,276344E+09	1,081464E+09	7,779059E+08
-102	4,662244E+08	2,299473E+08	1,131630E+08	1,131633E+08	2,299487E+08	4,662329E+08	7,779255E+08	1,081495E+09	1,276378E+09	1,276382E+09	1,081506E+09	7,779406E+08
-101	4,662483E+08	2,299585E+08	1,131623E+08	1,131572E+08	2,299450E+08	4,662345E+08	7,779253E+08	1,081486E+09	1,276371E+09	1,276389E+09	1,081526E+09	7,779616E+08
-100	4,662531E+08	2,299472E+08	1,131524E+08	1,131567E+08	2,299557E+08	4,662551E+08	7,779551E+08	1,081519E+09	1,276390E+09	1,276383E+09	1,081497E+09	7,779208E+08
-99	4,662208E+08	2,299306E+08	1,131430E+08	1,131426E+08	2,299311E+08	4,662248E+08	7,779261E+08	1,081499E+09	1,276386E+09	1,276399E+09	1,081530E+09	7,779621E+08
-98	4,662604E+08	2,299572E+08	1,131539E+08	1,131506E+08	2,299477E+08	4,662542E+08	7,779566E+08	1,081511E+09	1,276370E+09	1,276364E+09	1,081498E+09	7,779389E+08
-97	4,662379E+08	2,299419E+08	1,131525E+08	1,131570E+08	2,299519E+08	4,662486E+08	7,779530E+08	1,081521E+09	1,276383E+09	1,276359E+09	1,081469E+09	7,779121E+08
-96	4,662319E+08	2,299503E+08	1,131625E+08	1,131598E+08	2,299437E+08	4,662258E+08	7,779142E+08	1,081477E+09	1,276358E+09	1,276370E+09	1,081504E+09	7,779510E+08
-95	4,662694E+08	2,299785E+08	1,131811E+08	1,131823E+08	2,299795E+08	4,662690E+08	7,779471E+08	1,081487E+09	1,276339E+09	1,276327E+09	1,081459E+09	7,779068E+08
-94	4,662309E+08	2,299623E+08	1,131845E+08	1,131901E+08	2,299793E+08	4,662566E+08	7,779259E+08	1,081459E+09	1,276310E+09	1,276307E+09	1,081454E+09	7,779214E+08
-93	4,662589E+08	2,299918E+08	1,132065E+08	1,132040E+08	2,299861E+08	4,662532E+08	7,779072E+08	1,081421E+09	1,276263E+09	1,276276E+09	1,081454E+09	7,779479E+08
-92	4,662891E+08	2,300097E+08	1,132202E+08	1,132247E+08	2,300175E+08	4,662878E+08	7,779374E+08	1,081440E+09	1,276255E+09	1,276237E+09	1,081398E+09	7,778912E+08
-91	4,662539E+08	2,300030E+08	1,132267E+08	1,132271E+08	2,300038E+08	4,662556E+08	7,778946E+08	1,081400E+09	1,276232E+09	1,276237E+09	1,081415E+09	7,779221E+08
-90	4,662929E+08	2,300373E+08	1,132469E+08	1,132416E+08	2,300220E+08	4,662764E+08	7,779027E+08	1,081383E+09	1,276197E+09	1,276203E+09	1,081397E+09	7,779135E+08
-89	4,662808E+08	2,300263E+08	1,132475E+08	1,132529E+08	2,300395E+08	4,662918E+08	7,779170E+08	1,081400E+09	1,276209E+09	1,276195E+09	1,081366E+09	7,778783E+08
-88	4,662605E+08	2,300198E+08	1,132443E+08	1,132424E+08	2,300172E+08	4,662629E+08	7,778863E+08	1,081373E+09	1,276202E+09	1,276223E+09	1,081417E+09	7,779283E+08
-87	4,662967E+08	2,300373E+08	1,132468E+08	1,132453E+08	2,300337E+08	4,662976E+08	7,779336E+08	1,081419E+09	1,276224E+09	1,276211E+09	1,081391E+09	7,778973E+08
-86	4,662578E+08	2,300045E+08	1,132283E+08	1,132324E+08	2,300163E+08	4,662781E+08	7,779282E+08	1,081439E+09	1,276261E+09	1,276241E+09	1,081399E+09	7,778985E+08
-85	4,662620E+08	2,300051E+08	1,132211E+08	1,132156E+08	2,299907E+08	4,662466E+08	7,778963E+08	1,081418E+09	1,276268E+09	1,276280E+09	1,081449E+09	7,779397E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,662863E+08	2,300081E+08	1,132141E+08	1,132147E+08	2,300061E+08	4,662784E+08	7,779355E+08	1,081455E+09	1,276295E+09	1,276289E+09	1,081436E+09	7,778999E+08
-83	4,662376E+08	2,299752E+08	1,131951E+08	1,131952E+08	2,299765E+08	4,662448E+08	7,779089E+08	1,081445E+09	1,276307E+09	1,276319E+09	1,081471E+09	7,779341E+08
-82	4,662631E+08	2,299877E+08	1,131952E+08	1,131895E+08	2,299744E+08	4,662518E+08	7,779161E+08	1,081439E+09	1,276290E+09	1,276306E+09	1,081474E+09	7,779477E+08
-81	4,662672E+08	2,299776E+08	1,131876E+08	1,131924E+08	2,299885E+08	4,662728E+08	7,779480E+08	1,081481E+09	1,276322E+09	1,276303E+09	1,081437E+09	7,779001E+08
-80	4,662356E+08	2,299625E+08	1,131781E+08	1,131772E+08	2,299603E+08	4,662360E+08	7,779103E+08	1,081455E+09	1,276320E+09	1,276328E+09	1,081475E+09	7,779394E+08
-79	4,662706E+08	2,299899E+08	1,131925E+08	1,131886E+08	2,299789E+08	4,662627E+08	7,779381E+08	1,081473E+09	1,276314E+09	1,276300E+09	1,081448E+09	7,779168E+08
-78	4,662455E+08	2,299720E+08	1,131901E+08	1,131958E+08	2,299865E+08	4,662631E+08	7,779355E+08	1,081474E+09	1,276317E+09	1,276295E+09	1,081427E+09	7,778957E+08
-77	4,662410E+08	2,299803E+08	1,132009E+08	1,131996E+08	2,299785E+08	4,662382E+08	7,778886E+08	1,081412E+09	1,276270E+09	1,276290E+09	1,081459E+09	7,779417E+08
-76	4,662862E+08	2,300124E+08	1,132209E+08	1,132228E+08	2,300163E+08	4,662879E+08	7,779320E+08	1,081425E+09	1,276242E+09	1,276242E+09	1,081415E+09	7,779017E+08
-75	4,662529E+08	2,299994E+08	1,132251E+08	1,132297E+08	2,300123E+08	4,662705E+08	7,779106E+08	1,081408E+09	1,276226E+09	1,276220E+09	1,081398E+09	7,779087E+08
-74	4,662806E+08	2,300317E+08	1,132485E+08	1,132436E+08	2,300192E+08	4,662665E+08	7,778877E+08	1,081365E+09	1,276176E+09	1,276183E+09	1,081388E+09	7,779245E+08
-73	4,663048E+08	2,300485E+08	1,132642E+08	1,132679E+08	2,300545E+08	4,663014E+08	7,779160E+08	1,081384E+09	1,276176E+09	1,276153E+09	1,081333E+09	7,778644E+08
-72	4,662670E+08	2,300385E+08	1,132677E+08	1,132685E+08	2,300402E+08	4,662703E+08	7,778725E+08	1,081341E+09	1,276151E+09	1,276160E+09	1,081363E+09	7,779006E+08
-71	4,663018E+08	2,300690E+08	1,132863E+08	1,132820E+08	2,300587E+08	4,662949E+08	7,778929E+08	1,081344E+09	1,276132E+09	1,276132E+09	1,081348E+09	7,778960E+08
-70	4,662888E+08	2,300523E+08	1,132808E+08	1,132878E+08	2,300723E+08	4,663128E+08	7,779173E+08	1,081372E+09	1,276152E+09	1,276131E+09	1,081322E+09	7,778640E+08
-69	4,662698E+08	2,300446E+08	1,132748E+08	1,132734E+08	2,300433E+08	4,662729E+08	7,778738E+08	1,081338E+09	1,276146E+09	1,276162E+09	1,081375E+09	7,779164E+08
-68	4,663103E+08	2,300649E+08	1,132775E+08	1,132749E+08	2,300579E+08	4,663063E+08	7,779185E+08	1,081377E+09	1,276166E+09	1,276160E+09	1,081361E+09	7,778895E+08
-67	4,662726E+08	2,300332E+08	1,132597E+08	1,132616E+08	2,300378E+08	4,662804E+08	7,779059E+08	1,081396E+09	1,276208E+09	1,276194E+09	1,081369E+09	7,778901E+08
-66	4,662759E+08	2,300344E+08	1,132535E+08	1,132468E+08	2,300174E+08	4,662548E+08	7,778702E+08	1,081360E+09	1,276194E+09	1,276213E+09	1,081409E+09	7,779283E+08
-65	4,662986E+08	2,300367E+08	1,132482E+08	1,132493E+08	2,300376E+08	4,662927E+08	7,779166E+08	1,081399E+09	1,276216E+09	1,276212E+09	1,081386E+09	7,778860E+08
-64	4,662523E+08	2,300034E+08	1,132275E+08	1,132283E+08	2,300065E+08	4,662603E+08	7,778968E+08	1,081396E+09	1,276227E+09	1,276238E+09	1,081419E+09	7,779188E+08
-63	4,662761E+08	2,300172E+08	1,132293E+08	1,132237E+08	2,300041E+08	4,662651E+08	7,779089E+08	1,081410E+09	1,276230E+09	1,276229E+09	1,081415E+09	7,779251E+08
-62	4,662764E+08	2,300053E+08	1,132206E+08	1,132254E+08	2,300174E+08	4,662869E+08	7,779400E+08	1,081450E+09	1,276267E+09	1,276237E+09	1,081383E+09	7,778761E+08
-61	4,662425E+08	2,299907E+08	1,132132E+08	1,132125E+08	2,299891E+08	4,662432E+08	7,778867E+08	1,081404E+09	1,276253E+09	1,276264E+09	1,081430E+09	7,779206E+08
-60	4,662805E+08	2,300203E+08	1,132297E+08	1,132264E+08	2,300127E+08	4,662773E+08	7,779171E+08	1,081412E+09	1,276235E+09	1,276238E+09	1,081415E+09	7,779077E+08
-59	4,662602E+08	2,300045E+08	1,132286E+08	1,132342E+08	2,300201E+08	4,662792E+08	7,779202E+08	1,081421E+09	1,276240E+09	1,276224E+09	1,081386E+09	7,778886E+08
-58	4,662598E+08	2,300154E+08	1,132404E+08	1,132390E+08	2,300140E+08	4,662568E+08	7,778741E+08	1,081357E+09	1,276180E+09	1,276198E+09	1,081401E+09	7,779286E+08
-57	4,663061E+08	2,300497E+08	1,132628E+08	1,132644E+08	2,300528E+08	4,663046E+08	7,779176E+08	1,081376E+09	1,276162E+09	1,276151E+09	1,081348E+09	7,778815E+08
-56	4,662731E+08	2,300378E+08	1,132669E+08	1,132705E+08	2,300462E+08	4,662827E+08	7,778903E+08	1,081353E+09	1,276146E+09	1,276137E+09	1,081338E+09	7,778858E+08
-55	4,662947E+08	2,300692E+08	1,132918E+08	1,132862E+08	2,300542E+08	4,662770E+08	7,778678E+08	1,081319E+09	1,276105E+09	1,276106E+09	1,081331E+09	7,778994E+08
-54	4,663132E+08	2,300805E+08	1,133040E+08	1,133088E+08	2,300919E+08	4,663197E+08	7,779002E+08	1,081334E+09	1,276103E+09	1,276082E+09	1,081284E+09	7,778447E+08
-53	4,662747E+08	2,300678E+08	1,133053E+08	1,133072E+08	2,300746E+08	4,662860E+08	7,778537E+08	1,081283E+09	1,276069E+09	1,276084E+09	1,081316E+09	7,778873E+08
-52	4,663144E+08	2,300981E+08	1,133215E+08	1,133178E+08	2,300914E+08	4,663134E+08	7,778839E+08	1,081296E+09	1,276055E+09	1,276062E+09	1,081309E+09	7,778878E+08
-51	4,663068E+08	2,300839E+08	1,133150E+08	1,133204E+08	2,300983E+08	4,663227E+08	7,779057E+08	1,081337E+09	1,276094E+09	1,276068E+09	1,081280E+09	7,778539E+08
-50	4,662877E+08	2,300771E+08	1,133088E+08	1,133051E+08	2,300684E+08	4,662795E+08	7,778521E+08	1,081290E+09	1,276080E+09	1,276094E+09	1,081326E+09	7,779004E+08
-49	4,663247E+08	2,300968E+08	1,133135E+08	1,133096E+08	2,300861E+08	4,663134E+08	7,778945E+08	1,081326E+09	1,276100E+09	1,276096E+09	1,081314E+09	7,778732E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,662865E+08	2,300630E+08	1,132937E+08	1,132956E+08	2,300670E+08	4,662903E+08	7,778816E+08	1,081336E+09	1,276131E+09	1,276128E+09	1,081330E+09	7,778759E+08
-47	4,662856E+08	2,300616E+08	1,132869E+08	1,132812E+08	2,300482E+08	4,662700E+08	7,778603E+08	1,081320E+09	1,276125E+09	1,276142E+09	1,081362E+09	7,779120E+08
-46	4,663066E+08	2,300601E+08	1,132779E+08	1,132808E+08	2,300682E+08	4,663133E+08	7,779160E+08	1,081369E+09	1,276156E+09	1,276144E+09	1,081337E+09	7,778680E+08
-45	4,662603E+08	2,300273E+08	1,132569E+08	1,132583E+08	2,300326E+08	4,662722E+08	7,778858E+08	1,081359E+09	1,276168E+09	1,276171E+09	1,081369E+09	7,778997E+08
-44	4,662862E+08	2,300437E+08	1,132607E+08	1,132550E+08	2,300310E+08	4,662775E+08	7,778976E+08	1,081370E+09	1,276171E+09	1,276174E+09	1,081377E+09	7,779094E+08
-43	4,662887E+08	2,300353E+08	1,132549E+08	1,132586E+08	2,300434E+08	4,662939E+08	7,779212E+08	1,081407E+09	1,276210E+09	1,276183E+09	1,081347E+09	7,778641E+08
-42	4,662558E+08	2,300221E+08	1,132498E+08	1,132490E+08	2,300215E+08	4,662559E+08	7,778621E+08	1,081342E+09	1,276172E+09	1,276190E+09	1,081385E+09	7,779087E+08
-41	4,662960E+08	2,300536E+08	1,132694E+08	1,132666E+08	2,300487E+08	4,662950E+08	7,778997E+08	1,081353E+09	1,276147E+09	1,276153E+09	1,081360E+09	7,778958E+08
-40	4,662809E+08	2,300399E+08	1,132683E+08	1,132740E+08	2,300544E+08	4,662948E+08	7,779035E+08	1,081364E+09	1,276150E+09	1,276135E+09	1,081330E+09	7,778735E+08
-39	4,662790E+08	2,300533E+08	1,132827E+08	1,132804E+08	2,300484E+08	4,662698E+08	7,778604E+08	1,081315E+09	1,276105E+09	1,276109E+09	1,081335E+09	7,779050E+08
-38	4,663207E+08	2,300854E+08	1,133039E+08	1,133052E+08	2,300874E+08	4,663187E+08	7,779012E+08	1,081330E+09	1,276092E+09	1,276073E+09	1,081287E+09	7,778547E+08
-37	4,662828E+08	2,300723E+08	1,133086E+08	1,133122E+08	2,300810E+08	4,662932E+08	7,778638E+08	1,081292E+09	1,276064E+09	1,276060E+09	1,081284E+09	7,778638E+08
-36	4,663056E+08	2,301025E+08	1,133327E+08	1,133279E+08	2,300925E+08	4,662966E+08	7,778502E+08	1,081256E+09	1,276020E+09	1,276036E+09	1,081290E+09	7,778853E+08
-35	4,663268E+08	2,301133E+08	1,133430E+08	1,133476E+08	2,301257E+08	4,663379E+08	7,778905E+08	1,081288E+09	1,276029E+09	1,276012E+09	1,081243E+09	7,778360E+08
-34	4,662917E+08	2,301004E+08	1,133422E+08	1,133440E+08	2,301078E+08	4,663038E+08	7,778427E+08	1,081238E+09	1,275994E+09	1,276007E+09	1,081266E+09	7,778747E+08
-33	4,663318E+08	2,301310E+08	1,133583E+08	1,133538E+08	2,301217E+08	4,663264E+08	7,778706E+08	1,081255E+09	1,275992E+09	1,275991E+09	1,081255E+09	7,778713E+08
-32	4,663244E+08	2,301166E+08	1,133504E+08	1,133544E+08	2,301246E+08	4,663290E+08	7,778842E+08	1,081288E+09	1,276030E+09	1,276008E+09	1,081238E+09	7,778379E+08
-31	4,663001E+08	2,301080E+08	1,133445E+08	1,133403E+08	2,300965E+08	4,662854E+08	7,778316E+08	1,081247E+09	1,276018E+09	1,276031E+09	1,081283E+09	7,778821E+08
-30	4,663316E+08	2,301217E+08	1,133451E+08	1,133428E+08	2,301165E+08	4,663273E+08	7,778776E+08	1,081277E+09	1,276032E+09	1,276033E+09	1,081274E+09	7,778578E+08
-29	4,662928E+08	2,300863E+08	1,133238E+08	1,133271E+08	2,300954E+08	4,663044E+08	7,778666E+08	1,081283E+09	1,276052E+09	1,276054E+09	1,081286E+09	7,778635E+08
-28	4,662968E+08	2,300859E+08	1,133161E+08	1,133113E+08	2,300763E+08	4,662875E+08	7,778549E+08	1,081277E+09	1,276054E+09	1,276074E+09	1,081319E+09	7,778985E+08
-27	4,663207E+08	2,300881E+08	1,133082E+08	1,133096E+08	2,300911E+08	4,663232E+08	7,779080E+08	1,081339E+09	1,276103E+09	1,276083E+09	1,081291E+09	7,778528E+08
-26	4,662746E+08	2,300575E+08	1,132894E+08	1,132897E+08	2,300586E+08	4,662808E+08	7,778668E+08	1,081315E+09	1,276106E+09	1,276105E+09	1,081319E+09	7,778795E+08
-25	4,662978E+08	2,300745E+08	1,132969E+08	1,132909E+08	2,300612E+08	4,662876E+08	7,778770E+08	1,081321E+09	1,276106E+09	1,276109E+09	1,081329E+09	7,778915E+08
-24	4,663021E+08	2,300668E+08	1,132920E+08	1,132959E+08	2,300756E+08	4,663067E+08	7,779007E+08	1,081350E+09	1,276133E+09	1,276116E+09	1,081308E+09	7,778521E+08
-23	4,662693E+08	2,300542E+08	1,132886E+08	1,132886E+08	2,300558E+08	4,662723E+08	7,778526E+08	1,081300E+09	1,276096E+09	1,276111E+09	1,081335E+09	7,778935E+08
-22	4,663096E+08	2,300846E+08	1,133066E+08	1,133052E+08	2,300835E+08	4,663138E+08	7,778915E+08	1,081311E+09	1,276075E+09	1,276075E+09	1,081307E+09	7,778779E+08
-21	4,662950E+08	2,300735E+08	1,133070E+08	1,133124E+08	2,300867E+08	4,663068E+08	7,778837E+08	1,081310E+09	1,276071E+09	1,276054E+09	1,081273E+09	7,778538E+08
-20	4,662943E+08	2,300887E+08	1,133232E+08	1,133206E+08	2,300826E+08	4,662841E+08	7,778411E+08	1,081257E+09	1,276027E+09	1,276039E+09	1,081287E+09	7,778859E+08
-19	4,663359E+08	2,301224E+08	1,133460E+08	1,133462E+08	2,301210E+08	4,663299E+08	7,778787E+08	1,081274E+09	1,276016E+09	1,276002E+09	1,081241E+09	7,778397E+08
-18	4,662980E+08	2,301081E+08	1,133503E+08	1,133545E+08	2,301195E+08	4,663104E+08	7,778398E+08	1,081224E+09	1,275970E+09	1,275972E+09	1,081230E+09	7,778480E+08
-17	4,663208E+08	2,301373E+08	1,133744E+08	1,133704E+08	2,301309E+08	4,663180E+08	7,778387E+08	1,081202E+09	1,275932E+09	1,275946E+09	1,081232E+09	7,778703E+08
-16	4,663454E+08	2,301483E+08	1,133825E+08	1,133870E+08	2,301592E+08	4,663536E+08	7,778782E+08	1,081239E+09	1,275948E+09	1,275929E+09	1,081190E+09	7,778208E+08
-15	4,663085E+08	2,301354E+08	1,133812E+08	1,133820E+08	2,301380E+08	4,663145E+08	7,778322E+08	1,081204E+09	1,275931E+09	1,275931E+09	1,081209E+09	7,778527E+08
-14	4,663431E+08	2,301617E+08	1,133940E+08	1,133893E+08	2,301511E+08	4,663368E+08	7,778545E+08	1,081215E+09	1,275934E+09	1,275931E+09	1,081208E+09	7,778495E+08
-13	4,663319E+08	2,301451E+08	1,133846E+08	1,133884E+08	2,301526E+08	4,663355E+08	7,778571E+08	1,081231E+09	1,275959E+09	1,275945E+09	1,081198E+09	7,778224E+08

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	4,663091E+08	2,301342E+08	1,133765E+08	1,133735E+08	2,301274E+08	4,663017E+08	7,778160E+08	1,081191E+09	1,275944E+09	1,275972E+09	1,081250E+09	7,778720E+08
-11	4,663433E+08	2,301477E+08	1,133754E+08	1,133731E+08	2,301426E+08	4,663411E+08	7,778699E+08	1,081239E+09	1,275967E+09	1,275969E+09	1,081237E+09	7,778501E+08
-10	4,663069E+08	2,301126E+08	1,133530E+08	1,133568E+08	2,301228E+08	4,663187E+08	7,778573E+08	1,081245E+09	1,275985E+09	1,275981E+09	1,081235E+09	7,778482E+08
-9	4,663104E+08	2,301141E+08	1,133474E+08	1,133420E+08	2,301025E+08	4,663003E+08	7,778471E+08	1,081245E+09	1,275999E+09	1,276008E+09	1,081267E+09	7,778789E+08
-8	4,663334E+08	2,301178E+08	1,133411E+08	1,133413E+08	2,301157E+08	4,663297E+08	7,778907E+08	1,081298E+09	1,276046E+09	1,276028E+09	1,081252E+09	7,778358E+08
-7	4,662849E+08	2,300875E+08	1,133248E+08	1,133251E+08	2,300874E+08	4,662888E+08	7,778503E+08	1,081276E+09	1,276046E+09	1,276045E+09	1,081277E+09	7,778617E+08
-6	4,663052E+08	2,301012E+08	1,133309E+08	1,133269E+08	2,300940E+08	4,663034E+08	7,778611E+08	1,081271E+09	1,276037E+09	1,276045E+09	1,081289E+09	7,778774E+08
-5	4,663113E+08	2,300948E+08	1,133267E+08	1,133318E+08	2,301072E+08	4,663208E+08	7,778829E+08	1,081293E+09	1,276047E+09	1,276036E+09	1,081262E+09	7,778418E+08
-4	4,662856E+08	2,300859E+08	1,133250E+08	1,133259E+08	2,300894E+08	4,662897E+08	7,778403E+08	1,081247E+09	1,276013E+09	1,276032E+09	1,081285E+09	7,778805E+08
-3	4,663290E+08	2,301208E+08	1,133454E+08	1,133422E+08	2,301126E+08	4,663230E+08	7,778739E+08	1,081264E+09	1,276002E+09	1,275998E+09	1,081254E+09	7,778622E+08
-2	4,663136E+08	2,301117E+08	1,133485E+08	1,133532E+08	2,301215E+08	4,663181E+08	7,778578E+08	1,081247E+09	1,275984E+09	1,275968E+09	1,081214E+09	7,778318E+08
-1	4,663097E+08	2,301272E+08	1,133675E+08	1,133646E+08	2,301209E+08	4,663000E+08	7,778195E+08	1,081195E+09	1,275938E+09	1,275951E+09	1,081226E+09	7,778632E+08
1	4,663495E+08	2,301588E+08	1,133891E+08	1,133898E+08	2,301593E+08	4,663483E+08	7,778615E+08	1,081214E+09	1,275926E+09	1,275918E+09	1,081190E+09	7,778234E+08
2	4,663121E+08	2,301432E+08	1,133924E+08	1,133976E+08	2,301575E+08	4,663311E+08	7,778367E+08	1,081187E+09	1,275893E+09	1,275886E+09	1,081172E+09	7,778281E+08
3	4,663327E+08	2,301680E+08	1,134117E+08	1,134095E+08	2,301661E+08	4,663373E+08	7,778335E+08	1,081168E+09	1,275869E+09	1,275873E+09	1,081178E+09	7,778497E+08
4	4,663561E+08	2,301798E+08	1,134189E+08	1,134229E+08	2,301884E+08	4,663633E+08	7,778605E+08	1,081193E+09	1,275881E+09	1,275861E+09	1,081144E+09	7,778049E+08
5	4,663219E+08	2,301672E+08	1,134173E+08	1,134175E+08	2,301674E+08	4,663239E+08	7,778110E+08	1,081151E+09	1,275865E+09	1,275877E+09	1,081174E+09	7,778394E+08
6	4,663563E+08	2,301928E+08	1,134290E+08	1,134232E+08	2,301777E+08	4,663418E+08	7,778292E+08	1,081162E+09	1,275867E+09	1,275873E+09	1,081176E+09	7,778416E+08
7	4,663458E+08	2,301746E+08	1,134181E+08	1,134225E+08	2,301840E+08	4,663480E+08	7,778326E+08	1,081166E+09	1,275872E+09	1,275868E+09	1,081154E+09	7,778119E+08
8	4,663236E+08	2,301633E+08	1,134097E+08	1,134069E+08	2,301578E+08	4,663188E+08	7,778067E+08	1,081145E+09	1,275865E+09	1,275888E+09	1,081195E+09	7,778577E+08
9	4,663583E+08	2,301768E+08	1,134075E+08	1,134047E+08	2,301691E+08	4,663529E+08	7,778606E+08	1,081201E+09	1,275900E+09	1,275895E+09	1,081187E+09	7,778344E+08
10	4,663204E+08	2,301428E+08	1,133863E+08	1,133892E+08	2,301487E+08	4,663286E+08	7,778517E+08	1,081220E+09	1,275933E+09	1,275914E+09	1,081181E+09	7,778238E+08
11	4,663168E+08	2,301403E+08	1,133794E+08	1,133748E+08	2,301307E+08	4,663116E+08	7,778349E+08	1,081211E+09	1,275950E+09	1,275956E+09	1,081225E+09	7,778558E+08
12	4,663367E+08	2,301438E+08	1,133738E+08	1,133746E+08	2,301443E+08	4,663388E+08	7,778685E+08	1,081245E+09	1,275978E+09	1,275970E+09	1,081218E+09	7,778233E+08
13	4,662937E+08	2,301139E+08	1,133578E+08	1,133596E+08	2,301198E+08	4,663064E+08	7,778361E+08	1,081222E+09	1,275975E+09	1,275988E+09	1,081246E+09	7,778545E+08
14	4,663195E+08	2,301304E+08	1,133645E+08	1,133606E+08	2,301227E+08	4,663163E+08	7,778498E+08	1,081229E+09	1,275968E+09	1,275978E+09	1,081251E+09	7,778725E+08
15	4,663305E+08	2,301272E+08	1,133616E+08	1,133670E+08	2,301384E+08	4,663331E+08	7,778641E+08	1,081240E+09	1,275965E+09	1,275950E+09	1,081206E+09	7,778276E+08
16	4,663048E+08	2,301223E+08	1,133643E+08	1,133642E+08	2,301217E+08	4,663032E+08	7,778251E+08	1,081199E+09	1,275935E+09	1,275944E+09	1,081222E+09	7,778599E+08
17	4,663457E+08	2,301585E+08	1,133874E+08	1,133832E+08	2,301455E+08	4,663321E+08	7,778507E+08	1,081207E+09	1,275921E+09	1,275918E+09	1,081200E+09	7,778420E+08
18	4,663269E+08	2,301486E+08	1,133922E+08	1,133973E+08	2,301590E+08	4,663330E+08	7,778416E+08	1,081196E+09	1,275901E+09	1,275882E+09	1,081154E+09	7,778073E+08
19	4,663181E+08	2,301595E+08	1,134084E+08	1,134080E+08	2,301615E+08	4,663232E+08	7,778088E+08	1,081143E+09	1,275857E+09	1,275871E+09	1,081173E+09	7,778412E+08
20	4,663576E+08	2,301907E+08	1,134285E+08	1,134301E+08	2,301951E+08	4,663660E+08	7,778479E+08	1,081160E+09	1,275839E+09	1,275833E+09	1,081137E+09	7,778086E+08
21	4,663279E+08	2,301770E+08	1,134312E+08	1,134367E+08	2,301918E+08	4,663478E+08	7,778243E+08	1,081141E+09	1,275823E+09	1,275816E+09	1,081123E+09	7,778137E+08
22	4,663506E+08	2,302037E+08	1,134501E+08	1,134457E+08	2,301937E+08	4,663433E+08	7,778136E+08	1,081125E+09	1,275808E+09	1,275810E+09	1,081135E+09	7,778373E+08
23	4,663732E+08	2,302149E+08	1,134571E+08	1,134602E+08	2,302193E+08	4,663692E+08	7,778299E+08	1,081131E+09	1,275803E+09	1,275789E+09	1,081097E+09	7,777904E+08
24	4,663373E+08	2,302016E+08	1,134561E+08	1,134558E+08	2,302006E+08	4,663370E+08	7,777894E+08	1,081092E+09	1,275783E+09	1,275797E+09	1,081126E+09	7,778261E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,663698E+08	2,302240E+08	1,134654E+08	1,134596E+08	2,302094E+08	4,663559E+08	7,778124E+08	1,081106E+09	1,275785E+09	1,275798E+09	1,081133E+09	7,778311E+08
26	4,663591E+08	2,302039E+08	1,134525E+08	1,134574E+08	2,302150E+08	4,663658E+08	7,778320E+08	1,081135E+09	1,275803E+09	1,275789E+09	1,081099E+09	7,777926E+08
27	4,663326E+08	2,301885E+08	1,134400E+08	1,134387E+08	2,301876E+08	4,663369E+08	7,778054E+08	1,081120E+09	1,275815E+09	1,275826E+09	1,081145E+09	7,778334E+08
28	4,663625E+08	2,302016E+08	1,134372E+08	1,134341E+08	2,301936E+08	4,663621E+08	7,778479E+08	1,081166E+09	1,275848E+09	1,275840E+09	1,081145E+09	7,778169E+08
29	4,663288E+08	2,301687E+08	1,134171E+08	1,134202E+08	2,301754E+08	4,663382E+08	7,778351E+08	1,081180E+09	1,275885E+09	1,275872E+09	1,081151E+09	7,778113E+08
30	4,663260E+08	2,301661E+08	1,134100E+08	1,134052E+08	2,301555E+08	4,663174E+08	7,778136E+08	1,081166E+09	1,275893E+09	1,275907E+09	1,081199E+09	7,778516E+08
31	4,663496E+08	2,301705E+08	1,134053E+08	1,134071E+08	2,301741E+08	4,663503E+08	7,778457E+08	1,081184E+09	1,275894E+09	1,275895E+09	1,081178E+09	7,778184E+08
32	4,663116E+08	2,301450E+08	1,133924E+08	1,133941E+08	2,301503E+08	4,663216E+08	7,778238E+08	1,081171E+09	1,275888E+09	1,275896E+09	1,081190E+09	7,778435E+08
33	4,663385E+08	2,301645E+08	1,134015E+08	1,133962E+08	2,301514E+08	4,663251E+08	7,778312E+08	1,081178E+09	1,275888E+09	1,275893E+09	1,081195E+09	7,778570E+08
34	4,663490E+08	2,301645E+08	1,134022E+08	1,134060E+08	2,301699E+08	4,663443E+08	7,778508E+08	1,081197E+09	1,275891E+09	1,275865E+09	1,081139E+09	7,777998E+08
35	4,663155E+08	2,301565E+08	1,134051E+08	1,134057E+08	2,301582E+08	4,663184E+08	7,778077E+08	1,081150E+09	1,275864E+09	1,275869E+09	1,081163E+09	7,778293E+08
36	4,663504E+08	2,301912E+08	1,134284E+08	1,134249E+08	2,301826E+08	4,663477E+08	7,778295E+08	1,081147E+09	1,275836E+09	1,275838E+09	1,081149E+09	7,778230E+08
37	4,663374E+08	2,301813E+08	1,134328E+08	1,134395E+08	2,301988E+08	4,663555E+08	7,778294E+08	1,081142E+09	1,275823E+09	1,275810E+09	1,081108E+09	7,777933E+08
38	4,663323E+08	2,301926E+08	1,134473E+08	1,134470E+08	2,301951E+08	4,663391E+08	7,777992E+08	1,081103E+09	1,275788E+09	1,275799E+09	1,081129E+09	7,778324E+08
39	4,663757E+08	2,302251E+08	1,134671E+08	1,134688E+08	2,302290E+08	4,663788E+08	7,778282E+08	1,081107E+09	1,275761E+09	1,275753E+09	1,081085E+09	7,777962E+08
40	4,663483E+08	2,302153E+08	1,134725E+08	1,134761E+08	2,302240E+08	4,663592E+08	7,778051E+08	1,081090E+09	1,275748E+09	1,275737E+09	1,081071E+09	7,777988E+08
41	4,663683E+08	2,302411E+08	1,134917E+08	1,134858E+08	2,302252E+08	4,663488E+08	7,777842E+08	1,081064E+09	1,275730E+09	1,275740E+09	1,081092E+09	7,778249E+08
42	4,663889E+08	2,302502E+08	1,134979E+08	1,135007E+08	2,302537E+08	4,663825E+08	7,778111E+08	1,081076E+09	1,275719E+09	1,275707E+09	1,081044E+09	7,777718E+08
43	4,663471E+08	2,302306E+08	1,134924E+08	1,134942E+08	2,302372E+08	4,663588E+08	7,777804E+08	1,081043E+09	1,275704E+09	1,275718E+09	1,081073E+09	7,778049E+08
44	4,663767E+08	2,302506E+08	1,134981E+08	1,134932E+08	2,302399E+08	4,663726E+08	7,778039E+08	1,081063E+09	1,275708E+09	1,275716E+09	1,081080E+09	7,778152E+08
45	4,663711E+08	2,302310E+08	1,134837E+08	1,134889E+08	2,302435E+08	4,663810E+08	7,778242E+08	1,081102E+09	1,275751E+09	1,275731E+09	1,081053E+09	7,777755E+08
46	4,663440E+08	2,302161E+08	1,134704E+08	1,134675E+08	2,302100E+08	4,663431E+08	7,777925E+08	1,081091E+09	1,275774E+09	1,275780E+09	1,081109E+09	7,778201E+08
47	4,663728E+08	2,302280E+08	1,134679E+08	1,134645E+08	2,302194E+08	4,663669E+08	7,778216E+08	1,081115E+09	1,275786E+09	1,275784E+09	1,081107E+09	7,778049E+08
48	4,663410E+08	2,301972E+08	1,134499E+08	1,134524E+08	2,302036E+08	4,663499E+08	7,778171E+08	1,081131E+09	1,275815E+09	1,275805E+09	1,081112E+09	7,778033E+08
49	4,663393E+08	2,301943E+08	1,134432E+08	1,134384E+08	2,301836E+08	4,663280E+08	7,777960E+08	1,081115E+09	1,275818E+09	1,275838E+09	1,081161E+09	7,778462E+08
50	4,663662E+08	2,302004E+08	1,134395E+08	1,134410E+08	2,302027E+08	4,663640E+08	7,778391E+08	1,081147E+09	1,275821E+09	1,275813E+09	1,081121E+09	7,778010E+08
51	4,663250E+08	2,301746E+08	1,134268E+08	1,134293E+08	2,301821E+08	4,663385E+08	7,778158E+08	1,081134E+09	1,275825E+09	1,275823E+09	1,081133E+09	7,778175E+08
52	4,663471E+08	2,301959E+08	1,134379E+08	1,134320E+08	2,301811E+08	4,663352E+08	7,778114E+08	1,081127E+09	1,275815E+09	1,275818E+09	1,081141E+09	7,778357E+08
53	4,663603E+08	2,301973E+08	1,134411E+08	1,134454E+08	2,302048E+08	4,663579E+08	7,778285E+08	1,081144E+09	1,275823E+09	1,275802E+09	1,081093E+09	7,777807E+08
54	4,663263E+08	2,301890E+08	1,134441E+08	1,134451E+08	2,301928E+08	4,663324E+08	7,777874E+08	1,081096E+09	1,275792E+09	1,275802E+09	1,081122E+09	7,778172E+08
55	4,663630E+08	2,302225E+08	1,134671E+08	1,134652E+08	2,302200E+08	4,663651E+08	7,778094E+08	1,081084E+09	1,275743E+09	1,275750E+09	1,081096E+09	7,778115E+08
56	4,663564E+08	2,302176E+08	1,134738E+08	1,134803E+08	2,302347E+08	4,663744E+08	7,778193E+08	1,081094E+09	1,275736E+09	1,275716E+09	1,081050E+09	7,777812E+08
57	4,663527E+08	2,302310E+08	1,134896E+08	1,134877E+08	2,302275E+08	4,663490E+08	7,777793E+08	1,081052E+09	1,275710E+09	1,275717E+09	1,081075E+09	7,778191E+08
58	4,663963E+08	2,302648E+08	1,135109E+08	1,135106E+08	2,302620E+08	4,663899E+08	7,778113E+08	1,081057E+09	1,275684E+09	1,275670E+09	1,081024E+09	7,777732E+08
59	4,663622E+08	2,302515E+08	1,135150E+08	1,135191E+08	2,302618E+08	4,663749E+08	7,777848E+08	1,081034E+09	1,275671E+09	1,275663E+09	1,081017E+09	7,777732E+08
60	4,663758E+08	2,302732E+08	1,135309E+08	1,135257E+08	2,302611E+08	4,663647E+08	7,777623E+08	1,081001E+09	1,275643E+09	1,275660E+09	1,081043E+09	7,778096E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,664006E+08	2,302800E+08	1,135342E+08	1,135385E+08	2,302896E+08	4,664034E+08	7,778002E+08	1,081028E+09	1,275649E+09	1,275638E+09	1,080998E+09	7,777579E+08
62	4,663596E+08	2,302582E+08	1,135244E+08	1,135262E+08	2,302651E+08	4,663731E+08	7,777743E+08	1,081013E+09	1,275648E+09	1,275655E+09	1,081029E+09	7,777923E+08
63	4,663889E+08	2,302766E+08	1,135283E+08	1,135235E+08	2,302664E+08	4,663829E+08	7,777898E+08	1,081024E+09	1,275648E+09	1,275652E+09	1,081032E+09	7,778000E+08
64	4,663857E+08	2,302611E+08	1,135163E+08	1,135195E+08	2,302678E+08	4,663897E+08	7,778106E+08	1,081065E+09	1,275694E+09	1,275670E+09	1,081012E+09	7,777617E+08
65	4,663556E+08	2,302448E+08	1,135036E+08	1,134994E+08	2,302342E+08	4,663458E+08	7,777670E+08	1,081043E+09	1,275714E+09	1,275728E+09	1,081079E+09	7,778116E+08
66	4,663855E+08	2,302563E+08	1,135015E+08	1,134976E+08	2,302473E+08	4,663786E+08	7,778057E+08	1,081064E+09	1,275713E+09	1,275716E+09	1,081065E+09	7,777919E+08
67	4,663521E+08	2,302235E+08	1,134823E+08	1,134861E+08	2,302349E+08	4,663673E+08	7,778058E+08	1,081083E+09	1,275741E+09	1,275734E+09	1,081065E+09	7,777853E+08
68	4,663492E+08	2,302214E+08	1,134752E+08	1,134708E+08	2,302119E+08	4,663403E+08	7,777809E+08	1,081067E+09	1,275740E+09	1,275756E+09	1,081108E+09	7,778318E+08
69	4,663816E+08	2,302310E+08	1,134739E+08	1,134752E+08	2,302322E+08	4,663758E+08	7,778221E+08	1,081104E+09	1,275761E+09	1,275746E+09	1,081068E+09	7,777813E+08
70	4,663383E+08	2,302064E+08	1,134626E+08	1,134640E+08	2,302103E+08	4,663473E+08	7,777979E+08	1,081093E+09	1,275765E+09	1,275761E+09	1,081085E+09	7,777983E+08
71	4,663577E+08	2,302266E+08	1,134754E+08	1,134703E+08	2,302152E+08	4,663471E+08	7,777863E+08	1,081066E+09	1,275734E+09	1,275743E+09	1,081090E+09	7,778175E+08
72	4,663738E+08	2,302315E+08	1,134814E+08	1,134857E+08	2,302417E+08	4,663784E+08	7,778151E+08	1,081088E+09	1,275737E+09	1,275718E+09	1,081044E+09	7,777679E+08
73	4,663406E+08	2,302229E+08	1,134850E+08	1,134863E+08	2,302286E+08	4,663496E+08	7,777741E+08	1,081045E+09	1,275710E+09	1,275723E+09	1,081074E+09	7,778076E+08
74	4,663818E+08	2,302577E+08	1,135080E+08	1,135059E+08	2,302551E+08	4,663842E+08	7,778037E+08	1,081042E+09	1,275666E+09	1,275663E+09	1,081034E+09	7,777920E+08
75	4,663730E+08	2,302533E+08	1,135150E+08	1,135218E+08	2,302711E+08	4,663923E+08	7,778081E+08	1,081051E+09	1,275669E+09	1,275641E+09	1,080991E+09	7,777557E+08
76	4,663654E+08	2,302672E+08	1,135311E+08	1,135285E+08	2,302609E+08	4,663589E+08	7,777551E+08	1,080995E+09	1,275631E+09	1,275641E+09	1,081024E+09	7,778017E+08
77	4,664112E+08	2,303003E+08	1,135525E+08	1,135524E+08	2,302978E+08	4,664012E+08	7,777832E+08	1,080998E+09	1,275612E+09	1,275604E+09	1,080978E+09	7,777573E+08
78	4,663756E+08	2,302846E+08	1,135539E+08	1,135581E+08	2,302962E+08	4,663896E+08	7,777648E+08	1,080977E+09	1,275593E+09	1,275592E+09	1,080975E+09	7,777621E+08
79	4,663894E+08	2,303029E+08	1,135666E+08	1,135626E+08	2,302949E+08	4,663807E+08	7,777440E+08	1,080939E+09	1,275550E+09	1,275572E+09	1,080988E+09	7,777955E+08
80	4,664179E+08	2,303125E+08	1,135698E+08	1,135729E+08	2,303194E+08	4,664198E+08	7,777924E+08	1,080986E+09	1,275571E+09	1,275552E+09	1,080943E+09	7,777436E+08
81	4,663757E+08	2,302907E+08	1,135598E+08	1,135597E+08	2,302911E+08	4,663805E+08	7,777583E+08	1,080974E+09	1,275590E+09	1,275591E+09	1,080982E+09	7,777770E+08
82	4,664030E+08	2,303075E+08	1,135633E+08	1,135567E+08	2,302922E+08	4,663916E+08	7,777764E+08	1,080985E+09	1,275590E+09	1,275589E+09	1,080982E+09	7,777774E+08
83	4,663940E+08	2,302892E+08	1,135506E+08	1,135543E+08	2,302983E+08	4,664026E+08	7,777948E+08	1,081022E+09	1,275637E+09	1,275616E+09	1,080972E+09	7,777404E+08
84	4,663608E+08	2,302702E+08	1,135354E+08	1,135320E+08	2,302632E+08	4,663585E+08	7,777487E+08	1,080989E+09	1,275641E+09	1,275664E+09	1,081043E+09	7,778021E+08
85	4,663967E+08	2,302814E+08	1,135323E+08	1,135298E+08	2,302766E+08	4,663934E+08	7,777926E+08	1,081023E+09	1,275654E+09	1,275657E+09	1,081026E+09	7,777816E+08
86	4,663656E+08	2,302494E+08	1,135117E+08	1,135158E+08	2,302606E+08	4,663795E+08	7,777965E+08	1,081049E+09	1,275685E+09	1,275674E+09	1,081024E+09	7,777733E+08
87	4,663625E+08	2,302480E+08	1,135059E+08	1,135019E+08	2,302389E+08	4,663502E+08	7,777625E+08	1,081018E+09	1,275671E+09	1,275686E+09	1,081057E+09	7,778141E+08
88	4,663969E+08	2,302635E+08	1,135094E+08	1,135093E+08	2,302605E+08	4,663871E+08	7,778065E+08	1,081058E+09	1,275689E+09	1,275673E+09	1,081021E+09	7,777655E+08
89	4,663511E+08	2,302392E+08	1,135011E+08	1,135021E+08	2,302418E+08	4,663567E+08	7,777744E+08	1,081038E+09	1,275692E+09	1,275693E+09	1,081043E+09	7,777851E+08
90	4,663709E+08	2,302586E+08	1,135146E+08	1,135101E+08	2,302508E+08	4,663672E+08	7,777756E+08	1,081012E+09	1,275649E+09	1,275659E+09	1,081035E+09	7,777978E+08
91	4,663862E+08	2,302638E+08	1,135210E+08	1,135270E+08	2,302798E+08	4,664016E+08	7,778088E+08	1,081040E+09	1,275655E+09	1,275634E+09	1,080986E+09	7,777455E+08
92	4,663535E+08	2,302565E+08	1,135243E+08	1,135258E+08	2,302624E+08	4,663646E+08	7,777595E+08	1,080995E+09	1,275628E+09	1,275636E+09	1,081017E+09	7,777917E+08
93	4,664007E+08	2,302949E+08	1,135494E+08	1,135467E+08	2,302887E+08	4,663954E+08	7,777820E+08	1,080995E+09	1,275603E+09	1,275594E+09	1,080980E+09	7,777729E+08
94	4,663905E+08	2,302909E+08	1,135566E+08	1,135621E+08	2,303032E+08	4,664001E+08	7,777823E+08	1,080997E+09	1,275598E+09	1,275574E+09	1,080945E+09	7,777389E+08
95	4,663798E+08	2,303021E+08	1,135724E+08	1,135704E+08	2,302972E+08	4,663702E+08	7,777241E+08	1,080922E+09	1,275538E+09	1,275559E+09	1,080973E+09	7,777865E+08
96	4,664279E+08	2,303369E+08	1,135942E+08	1,135936E+08	2,303344E+08	4,664200E+08	7,777667E+08	1,080936E+09	1,275515E+09	1,275513E+09	1,080928E+09	7,777454E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,663911E+08	2,303186E+08	1,135937E+08	1,135978E+08	2,303300E+08	4,664052E+08	7,777513E+08	1,080926E+09	1,275511E+09	1,275510E+09	1,080924E+09	7,777495E+08
98	4,664061E+08	2,303354E+08	1,136038E+08	1,135992E+08	2,303268E+08	4,663999E+08	7,777412E+08	1,080902E+09	1,275479E+09	1,275490E+09	1,080927E+09	7,777712E+08
99	4,664298E+08	2,303441E+08	1,136060E+08	1,136088E+08	2,303505E+08	4,664358E+08	7,777849E+08	1,080952E+09	1,275515E+09	1,275490E+09	1,080891E+09	7,777167E+08
100	4,663832E+08	2,303200E+08	1,135942E+08	1,135936E+08	2,303184E+08	4,663883E+08	7,777389E+08	1,080930E+09	1,275530E+09	1,275534E+09	1,080944E+09	7,777615E+08
101	4,664127E+08	2,303347E+08	1,135965E+08	1,135909E+08	2,303216E+08	4,664006E+08	7,777529E+08	1,080939E+09	1,275539E+09	1,275542E+09	1,080951E+09	7,777656E+08
102	4,664035E+08	2,303140E+08	1,135807E+08	1,135853E+08	2,303257E+08	4,664146E+08	7,777788E+08	1,080975E+09	1,275573E+09	1,275562E+09	1,080943E+09	7,777343E+08
103	4,663722E+08	2,302932E+08	1,135639E+08	1,135623E+08	2,302907E+08	4,663712E+08	7,777332E+08	1,080936E+09	1,275558E+09	1,275587E+09	1,080997E+09	7,777930E+08
104	4,664140E+08	2,303105E+08	1,135632E+08	1,135597E+08	2,303016E+08	4,664052E+08	7,777827E+08	1,080981E+09	1,275578E+09	1,275577E+09	1,080977E+09	7,777696E+08
105	4,663815E+08	2,302811E+08	1,135458E+08	1,135482E+08	2,302857E+08	4,663859E+08	7,777785E+08	1,081006E+09	1,275622E+09	1,275606E+09	1,080976E+09	7,777575E+08
106	4,663772E+08	2,302802E+08	1,135421E+08	1,135370E+08	2,302682E+08	4,663632E+08	7,777492E+08	1,080972E+09	1,275601E+09	1,275612E+09	1,081000E+09	7,777870E+08
107	4,664052E+08	2,302948E+08	1,135474E+08	1,135483E+08	2,302960E+08	4,664058E+08	7,777939E+08	1,081010E+09	1,275620E+09	1,275605E+09	1,080971E+09	7,777404E+08
108	4,663583E+08	2,302690E+08	1,135381E+08	1,135407E+08	2,302768E+08	4,663749E+08	7,777616E+08	1,080987E+09	1,275613E+09	1,275617E+09	1,080997E+09	7,777713E+08
109	4,663838E+08	2,302886E+08	1,135515E+08	1,135487E+08	2,302851E+08	4,663838E+08	7,777639E+08	1,080973E+09	1,275586E+09	1,275591E+09	1,080987E+09	7,777831E+08
110	4,664012E+08	2,302959E+08	1,135576E+08	1,135636E+08	2,303108E+08	4,664152E+08	7,777971E+08	1,081002E+09	1,275593E+09	1,275569E+09	1,080942E+09	7,777325E+08
111	4,663699E+08	2,302903E+08	1,135629E+08	1,135644E+08	2,302940E+08	4,663736E+08	7,777346E+08	1,080935E+09	1,275546E+09	1,275558E+09	1,080965E+09	7,777755E+08
112	4,664200E+08	2,303342E+08	1,135919E+08	1,135874E+08	2,303211E+08	4,664042E+08	7,777562E+08	1,080932E+09	1,275514E+09	1,275513E+09	1,080934E+09	7,777598E+08
113	4,664078E+08	2,303299E+08	1,136010E+08	1,136058E+08	2,303394E+08	4,664104E+08	7,777519E+08	1,080927E+09	1,275508E+09	1,275494E+09	1,080899E+09	7,777280E+08
114	4,663977E+08	2,303387E+08	1,136150E+08	1,136131E+08	2,303357E+08	4,663922E+08	7,777103E+08	1,080857E+09	1,275437E+09	1,275461E+09	1,080909E+09	7,777646E+08
115	4,664416E+08	2,303714E+08	1,136351E+08	1,136356E+08	2,303727E+08	4,664433E+08	7,777615E+08	1,080889E+09	1,275429E+09	1,275421E+09	1,080863E+09	7,777199E+08
116	4,664032E+08	2,303516E+08	1,136316E+08	1,136359E+08	2,303626E+08	4,664204E+08	7,777408E+08	1,080884E+09	1,275436E+09	1,275426E+09	1,080865E+09	7,777290E+08
117	4,664191E+08	2,303671E+08	1,136404E+08	1,136358E+08	2,303572E+08	4,664106E+08	7,777259E+08	1,080869E+09	1,275433E+09	1,275433E+09	1,080878E+09	7,777486E+08
118	4,664387E+08	2,303735E+08	1,136402E+08	1,136428E+08	2,303785E+08	4,664449E+08	7,777678E+08	1,080912E+09	1,275464E+09	1,275443E+09	1,080859E+09	7,777028E+08
119	4,663914E+08	2,303456E+08	1,136261E+08	1,136269E+08	2,303477E+08	4,663983E+08	7,777157E+08	1,080873E+09	1,275457E+09	1,275474E+09	1,080909E+09	7,777522E+08
120	4,664256E+08	2,303624E+08	1,136281E+08	1,136224E+08	2,303490E+08	4,664142E+08	7,777405E+08	1,080891E+09	1,275461E+09	1,275473E+09	1,080918E+09	7,777620E+08
121	4,664185E+08	2,303418E+08	1,136120E+08	1,136162E+08	2,303511E+08	4,664236E+08	7,777646E+08	1,080933E+09	1,275507E+09	1,275495E+09	1,080904E+09	7,777285E+08
122	4,663893E+08	2,303217E+08	1,135947E+08	1,135923E+08	2,303168E+08	4,663860E+08	7,777272E+08	1,080899E+09	1,275492E+09	1,275510E+09	1,080941E+09	7,777715E+08
123	4,664260E+08	2,303406E+08	1,135968E+08	1,135928E+08	2,303295E+08	4,664180E+08	7,777728E+08	1,080944E+09	1,275519E+09	1,275511E+09	1,080924E+09	7,777434E+08
124	4,663895E+08	2,303105E+08	1,135801E+08	1,135826E+08	2,303141E+08	4,663943E+08	7,777589E+08	1,080958E+09	1,275555E+09	1,275542E+09	1,080932E+09	7,777397E+08
125	4,663865E+08	2,303092E+08	1,135777E+08	1,135741E+08	2,303013E+08	4,663759E+08	7,777293E+08	1,080927E+09	1,275544E+09	1,275555E+09	1,080959E+09	7,777698E+08
126	4,664134E+08	2,303227E+08	1,135818E+08	1,135838E+08	2,303281E+08	4,664221E+08	7,777811E+08	1,080962E+09	1,275548E+09	1,275539E+09	1,080932E+09	7,777294E+08
127	4,663707E+08	2,302972E+08	1,135727E+08	1,135769E+08	2,303087E+08	4,663888E+08	7,777452E+08	1,080932E+09	1,275527E+09	1,275533E+09	1,080945E+09	7,777594E+08
128	4,664034E+08	2,303244E+08	1,135898E+08	1,135857E+08	2,303152E+08	4,663949E+08	7,777481E+08	1,080923E+09	1,275503E+09	1,275506E+09	1,080936E+09	7,777714E+08
129	4,664207E+08	2,303349E+08	1,136000E+08	1,136039E+08	2,303414E+08	4,664204E+08	7,777698E+08	1,080945E+09	1,275516E+09	1,275493E+09	1,080893E+09	7,777189E+08
130	4,663894E+08	2,303302E+08	1,136073E+08	1,136076E+08	2,303307E+08	4,663893E+08	7,777135E+08	1,080871E+09	1,275454E+09	1,275468E+09	1,080903E+09	7,777514E+08
131	4,664339E+08	2,303729E+08	1,136374E+08	1,136335E+08	2,303626E+08	4,664247E+08	7,777381E+08	1,080868E+09	1,275421E+09	1,275425E+09	1,080874E+09	7,777354E+08
132	4,664191E+08	2,303652E+08	1,136434E+08	1,136496E+08	2,303794E+08	4,664317E+08	7,777386E+08	1,080868E+09	1,275413E+09	1,275401E+09	1,080841E+09	7,777106E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
133	4,664118E+08	2,303720E+08	1,136548E+08	1,136545E+08	2,303735E+08	4,664120E+08	7,777024E+08	1,080822E+09	1,275373E+09	1,275382E+09	1,080851E+09	7,777419E+08
134	4,664523E+08	2,304023E+08	1,136710E+08	1,136718E+08	2,304045E+08	4,664596E+08	7,777553E+08	1,080858E+09	1,275374E+09	1,275357E+09	1,080815E+09	7,777016E+08
135	4,664142E+08	2,303809E+08	1,136664E+08	1,136709E+08	2,303915E+08	4,664297E+08	7,777234E+08	1,080840E+09	1,275373E+09	1,275363E+09	1,080821E+09	7,777131E+08
136	4,664325E+08	2,303988E+08	1,136758E+08	1,136702E+08	2,303845E+08	4,664178E+08	7,777058E+08	1,080821E+09	1,275365E+09	1,275375E+09	1,080848E+09	7,777405E+08
137	4,664512E+08	2,304039E+08	1,136757E+08	1,136776E+08	2,304068E+08	4,664517E+08	7,777419E+08	1,080856E+09	1,275395E+09	1,275386E+09	1,080831E+09	7,777008E+08
138	4,664077E+08	2,303749E+08	1,136593E+08	1,136597E+08	2,303776E+08	4,664158E+08	7,777038E+08	1,080818E+09	1,275373E+09	1,275393E+09	1,080861E+09	7,777390E+08
139	4,664395E+08	2,303914E+08	1,136608E+08	1,136552E+08	2,303779E+08	4,664290E+08	7,777316E+08	1,080849E+09	1,275388E+09	1,275395E+09	1,080863E+09	7,777434E+08
140	4,664317E+08	2,303711E+08	1,136438E+08	1,136476E+08	2,303770E+08	4,664324E+08	7,777496E+08	1,080891E+09	1,275439E+09	1,275420E+09	1,080851E+09	7,777111E+08
141	4,664023E+08	2,303513E+08	1,136277E+08	1,136251E+08	2,303437E+08	4,663928E+08	7,777094E+08	1,080865E+09	1,275445E+09	1,275452E+09	1,080890E+09	7,777468E+08
142	4,664317E+08	2,303677E+08	1,136294E+08	1,136257E+08	2,303579E+08	4,664285E+08	7,777572E+08	1,080904E+09	1,275464E+09	1,275459E+09	1,080887E+09	7,777266E+08
143	4,663956E+08	2,303357E+08	1,136127E+08	1,136170E+08	2,303456E+08	4,664082E+08	7,777407E+08	1,080904E+09	1,275478E+09	1,275473E+09	1,080891E+09	7,777266E+08
144	4,663975E+08	2,303374E+08	1,136113E+08	1,136084E+08	2,303319E+08	4,663924E+08	7,777202E+08	1,080880E+09	1,275464E+09	1,275482E+09	1,080921E+09	7,777626E+08
145	4,664277E+08	2,303535E+08	1,136174E+08	1,136193E+08	2,303579E+08	4,664338E+08	7,777669E+08	1,080919E+09	1,275479E+09	1,275469E+09	1,080890E+09	7,777233E+08
146	4,663907E+08	2,303317E+08	1,136101E+08	1,136132E+08	2,303403E+08	4,664051E+08	7,777328E+08	1,080883E+09	1,275449E+09	1,275449E+09	1,080885E+09	7,777385E+08
147	4,664197E+08	2,303621E+08	1,136317E+08	1,136267E+08	2,303490E+08	4,664068E+08	7,777292E+08	1,080872E+09	1,275427E+09	1,275428E+09	1,080878E+09	7,777480E+08
148	4,664348E+08	2,303723E+08	1,136429E+08	1,136469E+08	2,303774E+08	4,664304E+08	7,777422E+08	1,080880E+09	1,275427E+09	1,275409E+09	1,080840E+09	7,777022E+08
149	4,664039E+08	2,303664E+08	1,136506E+08	1,136524E+08	2,303711E+08	4,664059E+08	7,776921E+08	1,080815E+09	1,275375E+09	1,275386E+09	1,080847E+09	7,777302E+08
150	4,664443E+08	2,304054E+08	1,136774E+08	1,136750E+08	2,304011E+08	4,664467E+08	7,777287E+08	1,080817E+09	1,275335E+09	1,275340E+09	1,080821E+09	7,777188E+08
151	4,664317E+08	2,303964E+08	1,136815E+08	1,136890E+08	2,304146E+08	4,664491E+08	7,777267E+08	1,080817E+09	1,275326E+09	1,275309E+09	1,080780E+09	7,776921E+08
152	4,664286E+08	2,304075E+08	1,136934E+08	1,136918E+08	2,304043E+08	4,664250E+08	7,776904E+08	1,080779E+09	1,275300E+09	1,275307E+09	1,080801E+09	7,777257E+08
153	4,664671E+08	2,304380E+08	1,137110E+08	1,137097E+08	2,304335E+08	4,664649E+08	7,777312E+08	1,080810E+09	1,275313E+09	1,275298E+09	1,080775E+09	7,776901E+08
154	4,664308E+08	2,304158E+08	1,137053E+08	1,137086E+08	2,304240E+08	4,664433E+08	7,777031E+08	1,080784E+09	1,275298E+09	1,275293E+09	1,080774E+09	7,776960E+08
155	4,664448E+08	2,304316E+08	1,137142E+08	1,137086E+08	2,304183E+08	4,664329E+08	7,776889E+08	1,080769E+09	1,275290E+09	1,275306E+09	1,080804E+09	7,777263E+08
156	4,664632E+08	2,304329E+08	1,137099E+08	1,137123E+08	2,304369E+08	4,664644E+08	7,777262E+08	1,080805E+09	1,275316E+09	1,275310E+09	1,080787E+09	7,776922E+08
157	4,664227E+08	2,304031E+08	1,136917E+08	1,136928E+08	2,304068E+08	4,664284E+08	7,776937E+08	1,080787E+09	1,275319E+09	1,275326E+09	1,080810E+09	7,777205E+08
158	4,664493E+08	2,304174E+08	1,136906E+08	1,136849E+08	2,304038E+08	4,664406E+08	7,777214E+08	1,080815E+09	1,275335E+09	1,275336E+09	1,080819E+09	7,777255E+08
159	4,664398E+08	2,303961E+08	1,136740E+08	1,136779E+08	2,304023E+08	4,664398E+08	7,777306E+08	1,080846E+09	1,275376E+09	1,275357E+09	1,080806E+09	7,776935E+08
160	4,664126E+08	2,303793E+08	1,136600E+08	1,136572E+08	2,303713E+08	4,664027E+08	7,776917E+08	1,080819E+09	1,275379E+09	1,275394E+09	1,080858E+09	7,777350E+08
161	4,664401E+08	2,303949E+08	1,136631E+08	1,136596E+08	2,303872E+08	4,664391E+08	7,777368E+08	1,080853E+09	1,275396E+09	1,275398E+09	1,080854E+09	7,777213E+08
162	4,664105E+08	2,303646E+08	1,136463E+08	1,136508E+08	2,303775E+08	4,664291E+08	7,777332E+08	1,080855E+09	1,275395E+09	1,275389E+09	1,080838E+09	7,777116E+08
163	4,664122E+08	2,303691E+08	1,136476E+08	1,136446E+08	2,303632E+08	4,664078E+08	7,777113E+08	1,080839E+09	1,275389E+09	1,275399E+09	1,080862E+09	7,777441E+08
164	4,664437E+08	2,303873E+08	1,136550E+08	1,136560E+08	2,303875E+08	4,664423E+08	7,777470E+08	1,080870E+09	1,275404E+09	1,275388E+09	1,080833E+09	7,777068E+08
165	4,664079E+08	2,303682E+08	1,136511E+08	1,136539E+08	2,303740E+08	4,664139E+08	7,777102E+08	1,080838E+09	1,275387E+09	1,275378E+09	1,080828E+09	7,777139E+08
166	4,664303E+08	2,303965E+08	1,136725E+08	1,136681E+08	2,303856E+08	4,664213E+08	7,777075E+08	1,080816E+09	1,275351E+09	1,275357E+09	1,080831E+09	7,777300E+08
167	4,664452E+08	2,304046E+08	1,136833E+08	1,136888E+08	2,304157E+08	4,664483E+08	7,777221E+08	1,080816E+09	1,275333E+09	1,275321E+09	1,080785E+09	7,776867E+08
168	4,664192E+08	2,304010E+08	1,136909E+08	1,136933E+08	2,304079E+08	4,664259E+08	7,776827E+08	1,080764E+09	1,275286E+09	1,275300E+09	1,080797E+09	7,777164E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
169	4,664590E+08	2,304399E+08	1,137176E+08	1,137148E+08	2,304348E+08	4,664610E+08	7,777154E+08	1,080774E+09	1,275265E+09	1,275263E+09	1,080770E+09	7,777065E+08
170	4,664512E+08	2,304332E+08	1,137215E+08	1,137274E+08	2,304482E+08	4,664672E+08	7,777153E+08	1,080771E+09	1,275252E+09	1,275229E+09	1,080721E+09	7,776695E+08
171	4,664431E+08	2,304446E+08	1,137352E+08	1,137322E+08	2,304371E+08	4,664363E+08	7,776726E+08	1,080732E+09	1,275233E+09	1,275240E+09	1,080751E+09	7,777061E+08
172	4,664801E+08	2,304722E+08	1,137511E+08	1,137495E+08	2,304666E+08	4,664736E+08	7,777038E+08	1,080751E+09	1,275237E+09	1,275230E+09	1,080735E+09	7,776809E+08
173	4,664463E+08	2,304482E+08	1,137436E+08	1,137476E+08	2,304584E+08	4,664558E+08	7,776815E+08	1,080733E+09	1,275228E+09	1,275224E+09	1,080729E+09	7,776814E+08
174	4,664554E+08	2,304587E+08	1,137473E+08	1,137428E+08	2,304497E+08	4,664492E+08	7,776772E+08	1,080722E+09	1,275216E+09	1,275233E+09	1,080760E+09	7,777150E+08
175	4,664750E+08	2,304585E+08	1,137407E+08	1,137436E+08	2,304638E+08	4,664754E+08	7,777114E+08	1,080758E+09	1,275239E+09	1,275228E+09	1,080732E+09	7,776762E+08
176	4,664370E+08	2,304321E+08	1,137230E+08	1,137228E+08	2,304314E+08	4,664376E+08	7,776805E+08	1,080747E+09	1,275253E+09	1,275259E+09	1,080764E+09	7,777027E+08
177	4,664593E+08	2,304460E+08	1,137235E+08	1,137165E+08	2,304289E+08	4,664467E+08	7,777017E+08	1,080773E+09	1,275279E+09	1,275282E+09	1,080780E+09	7,777121E+08
178	4,664522E+08	2,304251E+08	1,137070E+08	1,137103E+08	2,304326E+08	4,664566E+08	7,777158E+08	1,080796E+09	1,275305E+09	1,275290E+09	1,080759E+09	7,776744E+08
179	4,664213E+08	2,304076E+08	1,136944E+08	1,136921E+08	2,304032E+08	4,664206E+08	7,776827E+08	1,080776E+09	1,275311E+09	1,275327E+09	1,080812E+09	7,777197E+08
180	4,664505E+08	2,304212E+08	1,136958E+08	1,136933E+08	2,304170E+08	4,664532E+08	7,777256E+08	1,080811E+09	1,275326E+09	1,275326E+09	1,080809E+09	7,777120E+08
181	4,664264E+08	2,303940E+08	1,136801E+08	1,136851E+08	2,304070E+08	4,664409E+08	7,777231E+08	1,080827E+09	1,275344E+09	1,275322E+09	1,080785E+09	7,776920E+08
182	4,664236E+08	2,303985E+08	1,136818E+08	1,136787E+08	2,303922E+08	4,664193E+08	7,776970E+08	1,080800E+09	1,275331E+09	1,275337E+09	1,080817E+09	7,777273E+08
183	4,664555E+08	2,304183E+08	1,136920E+08	1,136926E+08	2,304168E+08	4,664486E+08	7,777206E+08	1,080812E+09	1,275327E+09	1,275315E+09	1,080785E+09	7,776902E+08
184	4,664231E+08	2,304034E+08	1,136916E+08	1,136942E+08	2,304089E+08	4,664265E+08	7,776855E+08	1,080774E+09	1,275299E+09	1,275304E+09	1,080786E+09	7,777007E+08
185	4,664445E+08	2,304318E+08	1,137146E+08	1,137101E+08	2,304227E+08	4,664372E+08	7,776846E+08	1,080751E+09	1,275261E+09	1,275275E+09	1,080783E+09	7,777207E+08
186	4,664649E+08	2,304410E+08	1,137246E+08	1,137300E+08	2,304546E+08	4,664731E+08	7,777113E+08	1,080757E+09	1,275234E+09	1,275219E+09	1,080719E+09	7,776663E+08
187	4,664369E+08	2,304396E+08	1,137344E+08	1,137360E+08	2,304448E+08	4,664443E+08	7,776731E+08	1,080719E+09	1,275206E+09	1,275208E+09	1,080728E+09	7,776933E+08
188	4,664748E+08	2,304767E+08	1,137600E+08	1,137562E+08	2,304682E+08	4,664712E+08	7,776946E+08	1,080724E+09	1,275191E+09	1,275184E+09	1,080712E+09	7,776870E+08
189	4,664677E+08	2,304710E+08	1,137649E+08	1,137703E+08	2,304834E+08	4,664774E+08	7,776946E+08	1,080728E+09	1,275192E+09	1,275162E+09	1,080669E+09	7,776461E+08
190	4,664526E+08	2,304772E+08	1,137751E+08	1,137730E+08	2,304735E+08	4,664520E+08	7,776528E+08	1,080678E+09	1,275161E+09	1,275176E+09	1,080711E+09	7,776919E+08
191	4,664893E+08	2,305005E+08	1,137874E+08	1,137869E+08	2,304997E+08	4,664885E+08	7,776847E+08	1,080691E+09	1,275150E+09	1,275151E+09	1,080690E+09	7,776706E+08
192	4,664618E+08	2,304780E+08	1,137778E+08	1,137822E+08	2,304894E+08	4,664722E+08	7,776711E+08	1,080685E+09	1,275150E+09	1,275151E+09	1,080688E+09	7,776711E+08
193	4,664700E+08	2,304875E+08	1,137797E+08	1,137745E+08	2,304762E+08	4,664594E+08	7,776625E+08	1,080681E+09	1,275154E+09	1,275167E+09	1,080715E+09	7,777039E+08
194	4,664920E+08	2,304886E+08	1,137724E+08	1,137736E+08	2,304904E+08	4,664894E+08	7,776992E+08	1,080716E+09	1,275173E+09	1,275157E+09	1,080678E+09	7,776542E+08
195	4,664481E+08	2,304625E+08	1,137574E+08	1,137561E+08	2,304585E+08	4,664472E+08	7,776661E+08	1,080708E+09	1,275196E+09	1,275198E+09	1,080716E+09	7,776821E+08
196	4,664670E+08	2,304721E+08	1,137564E+08	1,137500E+08	2,304577E+08	4,664565E+08	7,776812E+08	1,080725E+09	1,275215E+09	1,275222E+09	1,080741E+09	7,776994E+08
197	4,664631E+08	2,304520E+08	1,137400E+08	1,137444E+08	2,304633E+08	4,664715E+08	7,777055E+08	1,080760E+09	1,275246E+09	1,275228E+09	1,080716E+09	7,776580E+08
198	4,664293E+08	2,304317E+08	1,137247E+08	1,137238E+08	2,304323E+08	4,664375E+08	7,776765E+08	1,080739E+09	1,275248E+09	1,275263E+09	1,080770E+09	7,777073E+08
199	4,664616E+08	2,304468E+08	1,137267E+08	1,137241E+08	2,304420E+08	4,664615E+08	7,777091E+08	1,080767E+09	1,275256E+09	1,275252E+09	1,080758E+09	7,776980E+08
200	4,664439E+08	2,304263E+08	1,137150E+08	1,137186E+08	2,304337E+08	4,664480E+08	7,777021E+08	1,080776E+09	1,275276E+09	1,275259E+09	1,080743E+09	7,776768E+08
201	4,664381E+08	2,304325E+08	1,137207E+08	1,137164E+08	2,304224E+08	4,664257E+08	7,776686E+08	1,080742E+09	1,275259E+09	1,275273E+09	1,080776E+09	7,777159E+08
202	4,664734E+08	2,304543E+08	1,137325E+08	1,137328E+08	2,304539E+08	4,664675E+08	7,776987E+08	1,080745E+09	1,275233E+09	1,275228E+09	1,080730E+09	7,776714E+08
203	4,664377E+08	2,304400E+08	1,137347E+08	1,137376E+08	2,304480E+08	4,664482E+08	7,776740E+08	1,080718E+09	1,275209E+09	1,275212E+09	1,080725E+09	7,776817E+08
204	4,664591E+08	2,304657E+08	1,137559E+08	1,137524E+08	2,304604E+08	4,664567E+08	7,776733E+08	1,080701E+09	1,275176E+09	1,275185E+09	1,080723E+09	7,777031E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
205	4,664828E+08	2,304776E+08	1,137663E+08	1,137719E+08	2,304908E+08	4,664899E+08	7,777024E+08	1,080722E+09	1,275170E+09	1,275139E+09	1,080655E+09	7,776393E+08
206	4,664479E+08	2,304734E+08	1,137746E+08	1,137764E+08	2,304793E+08	4,664599E+08	7,776604E+08	1,080677E+09	1,275143E+09	1,275141E+09	1,080678E+09	7,776724E+08
207	4,664850E+08	2,305089E+08	1,137998E+08	1,137961E+08	2,305007E+08	4,664799E+08	7,776694E+08	1,080667E+09	1,275114E+09	1,275112E+09	1,080665E+09	7,776716E+08
208	4,664826E+08	2,305053E+08	1,138049E+08	1,138105E+08	2,305182E+08	4,664899E+08	7,776695E+08	1,080664E+09	1,275109E+09	1,275097E+09	1,080634E+09	7,776368E+08
209	4,664674E+08	2,305097E+08	1,138136E+08	1,138115E+08	2,305069E+08	4,664662E+08	7,776320E+08	1,080617E+09	1,275077E+09	1,275102E+09	1,080672E+09	7,776873E+08
210	4,665096E+08	2,305333E+08	1,138229E+08	1,138219E+08	2,305315E+08	4,665065E+08	7,776715E+08	1,080635E+09	1,275058E+09	1,275059E+09	1,080630E+09	7,776536E+08
211	4,664790E+08	2,305121E+08	1,138145E+08	1,138174E+08	2,305184E+08	4,664848E+08	7,776596E+08	1,080644E+09	1,275079E+09	1,275068E+09	1,080624E+09	7,776491E+08
212	4,664836E+08	2,305184E+08	1,138147E+08	1,138085E+08	2,305035E+08	4,664671E+08	7,776434E+08	1,080637E+09	1,275090E+09	1,275099E+09	1,080662E+09	7,776826E+08
213	4,665040E+08	2,305195E+08	1,138078E+08	1,138087E+08	2,305194E+08	4,664990E+08	7,776846E+08	1,080682E+09	1,275121E+09	1,275100E+09	1,080632E+09	7,776295E+08
214	4,664521E+08	2,304875E+08	1,137896E+08	1,137898E+08	2,304898E+08	4,664643E+08	7,776561E+08	1,080669E+09	1,275139E+09	1,275146E+09	1,080683E+09	7,776672E+08
215	4,664711E+08	2,304935E+08	1,137860E+08	1,137811E+08	2,304853E+08	4,664705E+08	7,776701E+08	1,080681E+09	1,275147E+09	1,275158E+09	1,080704E+09	7,776893E+08
216	4,664754E+08	2,304774E+08	1,137700E+08	1,137749E+08	2,304901E+08	4,664850E+08	7,776966E+08	1,080720E+09	1,275185E+09	1,275172E+09	1,080683E+09	7,776493E+08
217	4,664437E+08	2,304596E+08	1,137560E+08	1,137544E+08	2,304573E+08	4,664459E+08	7,776601E+08	1,080698E+09	1,275191E+09	1,275205E+09	1,080732E+09	7,776994E+08
218	4,664807E+08	2,304791E+08	1,137605E+08	1,137563E+08	2,304691E+08	4,664717E+08	7,776884E+08	1,080713E+09	1,275182E+09	1,275180E+09	1,080708E+09	7,776805E+08
219	4,664600E+08	2,304623E+08	1,137549E+08	1,137574E+08	2,304656E+08	4,664580E+08	7,776796E+08	1,080721E+09	1,275199E+09	1,275183E+09	1,080691E+09	7,776596E+08
220	4,664522E+08	2,304659E+08	1,137609E+08	1,137576E+08	2,304586E+08	4,664394E+08	7,776433E+08	1,080676E+09	1,275169E+09	1,275189E+09	1,080724E+09	7,777007E+08
221	4,664892E+08	2,304892E+08	1,137739E+08	1,137752E+08	2,304921E+08	4,664881E+08	7,776894E+08	1,080697E+09	1,275147E+09	1,275138E+09	1,080668E+09	7,776485E+08
222	4,664486E+08	2,304719E+08	1,137740E+08	1,137787E+08	2,304859E+08	4,664713E+08	7,776698E+08	1,080676E+09	1,275129E+09	1,275124E+09	1,080664E+09	7,776587E+08
223	4,664693E+08	2,304969E+08	1,137943E+08	1,137911E+08	2,304925E+08	4,664698E+08	7,776588E+08	1,080654E+09	1,275099E+09	1,275099E+09	1,080660E+09	7,776797E+08
224	4,664978E+08	2,305140E+08	1,138074E+08	1,138122E+08	2,305240E+08	4,665015E+08	7,776826E+08	1,080669E+09	1,275100E+09	1,275075E+09	1,080610E+09	7,776208E+08
225	4,664624E+08	2,305100E+08	1,138169E+08	1,138179E+08	2,305132E+08	4,664692E+08	7,776332E+08	1,080619E+09	1,275070E+09	1,275078E+09	1,080640E+09	7,776625E+08
226	4,665037E+08	2,305456E+08	1,138408E+08	1,138369E+08	2,305373E+08	4,664969E+08	7,776462E+08	1,080599E+09	1,275022E+09	1,275030E+09	1,080616E+09	7,776583E+08
227	4,665002E+08	2,305423E+08	1,138468E+08	1,138520E+08	2,305541E+08	4,665072E+08	7,776552E+08	1,080609E+09	1,275021E+09	1,275009E+09	1,080579E+09	7,776242E+08
228	4,664845E+08	2,305422E+08	1,138513E+08	1,138496E+08	2,305398E+08	4,664807E+08	7,776172E+08	1,080568E+09	1,274997E+09	1,275018E+09	1,080616E+09	7,776720E+08
229	4,665268E+08	2,305667E+08	1,138597E+08	1,138579E+08	2,305613E+08	4,665196E+08	7,776634E+08	1,080603E+09	1,274997E+09	1,274985E+09	1,080572E+09	7,776273E+08
230	4,664868E+08	2,305408E+08	1,138486E+08	1,138517E+08	2,305478E+08	4,664984E+08	7,776501E+08	1,080609E+09	1,275024E+09	1,275010E+09	1,080579E+09	7,776259E+08
231	4,664873E+08	2,305432E+08	1,138467E+08	1,138411E+08	2,305307E+08	4,664756E+08	7,776244E+08	1,080591E+09	1,275028E+09	1,275040E+09	1,080622E+09	7,776654E+08
232	4,665123E+08	2,305458E+08	1,138398E+08	1,138416E+08	2,305492E+08	4,665126E+08	7,776673E+08	1,080630E+09	1,275058E+09	1,275052E+09	1,080605E+09	7,776211E+08
233	4,664625E+08	2,305126E+08	1,138200E+08	1,138209E+08	2,305174E+08	4,664777E+08	7,776437E+08	1,080624E+09	1,275075E+09	1,275089E+09	1,080653E+09	7,776650E+08
234	4,664885E+08	2,305207E+08	1,138153E+08	1,138104E+08	2,305113E+08	4,664839E+08	7,776586E+08	1,080636E+09	1,275072E+09	1,275081E+09	1,080655E+09	7,776773E+08
235	4,664926E+08	2,305094E+08	1,138037E+08	1,138069E+08	2,305147E+08	4,664921E+08	7,776811E+08	1,080679E+09	1,275118E+09	1,275096E+09	1,080630E+09	7,776336E+08
236	4,664592E+08	2,304913E+08	1,137917E+08	1,137893E+08	2,304850E+08	4,664521E+08	7,776362E+08	1,080645E+09	1,275119E+09	1,275135E+09	1,080683E+09	7,776822E+08
237	4,664961E+08	2,305137E+08	1,137994E+08	1,137950E+08	2,305010E+08	4,664821E+08	7,776692E+08	1,080664E+09	1,275109E+09	1,275106E+09	1,080655E+09	7,776557E+08
238	4,664671E+08	2,304925E+08	1,137928E+08	1,137973E+08	2,305031E+08	4,664793E+08	7,776682E+08	1,080669E+09	1,275119E+09	1,275107E+09	1,080642E+09	7,776394E+08
239	4,664590E+08	2,304939E+08	1,137975E+08	1,137961E+08	2,304935E+08	4,664586E+08	7,776337E+08	1,080626E+09	1,275085E+09	1,275102E+09	1,080667E+09	7,776814E+08
240	4,665022E+08	2,305211E+08	1,138112E+08	1,138136E+08	2,305263E+08	4,665060E+08	7,776800E+08	1,080651E+09	1,275076E+09	1,275066E+09	1,080619E+09	7,776313E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,664634E+08	2,305058E+08	1,138125E+08	1,138166E+08	2,305174E+08	4,664838E+08	7,776555E+08	1,080634E+09	1,275066E+09	1,275058E+09	1,080618E+09	7,776451E+08
242	4,664880E+08	2,305337E+08	1,138343E+08	1,138300E+08	2,305247E+08	4,664808E+08	7,776364E+08	1,080597E+09	1,275019E+09	1,275023E+09	1,080609E+09	7,776612E+08
243	4,665143E+08	2,305539E+08	1,138523E+08	1,138558E+08	2,305593E+08	4,665114E+08	7,776564E+08	1,080609E+09	1,275017E+09	1,274996E+09	1,080561E+09	7,776079E+08
244	4,664796E+08	2,305471E+08	1,138607E+08	1,138623E+08	2,305519E+08	4,664839E+08	7,776061E+08	1,080547E+09	1,274975E+09	1,274994E+09	1,080592E+09	7,776524E+08
245	4,665236E+08	2,305832E+08	1,138834E+08	1,138796E+08	2,305743E+08	4,665147E+08	7,776339E+08	1,080547E+09	1,274932E+09	1,274938E+09	1,080557E+09	7,776382E+08
246	4,665136E+08	2,305754E+08	1,138855E+08	1,138918E+08	2,305900E+08	4,665270E+08	7,776476E+08	1,080564E+09	1,274942E+09	1,274922E+09	1,080520E+09	7,776025E+08
247	4,664949E+08	2,305728E+08	1,138873E+08	1,138853E+08	2,305693E+08	4,664915E+08	7,776018E+08	1,080523E+09	1,274924E+09	1,274936E+09	1,080556E+09	7,776476E+08
248	4,665376E+08	2,305982E+08	1,138957E+08	1,138936E+08	2,305911E+08	4,665302E+08	7,776456E+08	1,080556E+09	1,274938E+09	1,274931E+09	1,080531E+09	7,776083E+08
249	4,664958E+08	2,305700E+08	1,138832E+08	1,138863E+08	2,305776E+08	4,665099E+08	7,776328E+08	1,080564E+09	1,274966E+09	1,274959E+09	1,080548E+09	7,776162E+08
250	4,664990E+08	2,305702E+08	1,138781E+08	1,138733E+08	2,305610E+08	4,664922E+08	7,776111E+08	1,080542E+09	1,274956E+09	1,274974E+09	1,080584E+09	7,776545E+08
251	4,665243E+08	2,305744E+08	1,138727E+08	1,138744E+08	2,305777E+08	4,665273E+08	7,776598E+08	1,080593E+09	1,274992E+09	1,274982E+09	1,080563E+09	7,776143E+08
252	4,664779E+08	2,305395E+08	1,138508E+08	1,138520E+08	2,305437E+08	4,664875E+08	7,776295E+08	1,080584E+09	1,275011E+09	1,275021E+09	1,080608E+09	7,776544E+08
253	4,665053E+08	2,305512E+08	1,138478E+08	1,138416E+08	2,305355E+08	4,664912E+08	7,776475E+08	1,080604E+09	1,275015E+09	1,275015E+09	1,080605E+09	7,776558E+08
254	4,665017E+08	2,305382E+08	1,138372E+08	1,138404E+08	2,305427E+08	4,665019E+08	7,776654E+08	1,080637E+09	1,275057E+09	1,275035E+09	1,080585E+09	7,776132E+08
255	4,664649E+08	2,305183E+08	1,138255E+08	1,138239E+08	2,305144E+08	4,664607E+08	7,776127E+08	1,080590E+09	1,275043E+09	1,275062E+09	1,080635E+09	7,776637E+08
256	4,665057E+08	2,305434E+08	1,138354E+08	1,138324E+08	2,305356E+08	4,664991E+08	7,776513E+08	1,080604E+09	1,275030E+09	1,275040E+09	1,080615E+09	7,776429E+08
257	4,664796E+08	2,305228E+08	1,138288E+08	1,138342E+08	2,305367E+08	4,664974E+08	7,776580E+08	1,080621E+09	1,275040E+09	1,275030E+09	1,080595E+09	7,776288E+08
258	4,664767E+08	2,305268E+08	1,138335E+08	1,138323E+08	2,305259E+08	4,664747E+08	7,776217E+08	1,080578E+09	1,275002E+09	1,275012E+09	1,080605E+09	7,776614E+08
259	4,665187E+08	2,305592E+08	1,138529E+08	1,138534E+08	2,305581E+08	4,665164E+08	7,776628E+08	1,080606E+09	1,275003E+09	1,274982E+09	1,080559E+09	7,776132E+08
260	4,664806E+08	2,305437E+08	1,138559E+08	1,138594E+08	2,305521E+08	4,664924E+08	7,776285E+08	1,080575E+09	1,274988E+09	1,274984E+09	1,080567E+09	7,776283E+08
261	4,665056E+08	2,305736E+08	1,138795E+08	1,138749E+08	2,305620E+08	4,664941E+08	7,776165E+08	1,080542E+09	1,274937E+09	1,274944E+09	1,080557E+09	7,776408E+08
262	4,665253E+08	2,305891E+08	1,138955E+08	1,139005E+08	2,306003E+08	4,665334E+08	7,776428E+08	1,080551E+09	1,274930E+09	1,274914E+09	1,080511E+09	7,775916E+08
263	4,664903E+08	2,305792E+08	1,139005E+08	1,139033E+08	2,305886E+08	4,665025E+08	7,775935E+08	1,080494E+09	1,274885E+09	1,274902E+09	1,080533E+09	7,776354E+08
264	4,665391E+08	2,306167E+08	1,139216E+08	1,139186E+08	2,306092E+08	4,665316E+08	7,776202E+08	1,080498E+09	1,274859E+09	1,274866E+09	1,080505E+09	7,776210E+08
265	4,665280E+08	2,306080E+08	1,139220E+08	1,139275E+08	2,306203E+08	4,665397E+08	7,776343E+08	1,080523E+09	1,274880E+09	1,274857E+09	1,080474E+09	7,775875E+08
266	4,665100E+08	2,306049E+08	1,139223E+08	1,139198E+08	2,305988E+08	4,665019E+08	7,775833E+08	1,080475E+09	1,274855E+09	1,274868E+09	1,080508E+09	7,776284E+08
267	4,665482E+08	2,306303E+08	1,139328E+08	1,139299E+08	2,306213E+08	4,665398E+08	7,776256E+08	1,080508E+09	1,274869E+09	1,274863E+09	1,080490E+09	7,775981E+08
268	4,665084E+08	2,305987E+08	1,139180E+08	1,139216E+08	2,306090E+08	4,665233E+08	7,776149E+08	1,080512E+09	1,274893E+09	1,274893E+09	1,080511E+09	7,776089E+08
269	4,665146E+08	2,305995E+08	1,139112E+08	1,139063E+08	2,305887E+08	4,665061E+08	7,776058E+08	1,080505E+09	1,274885E+09	1,274900E+09	1,080534E+09	7,776380E+08
270	4,665342E+08	2,306006E+08	1,139035E+08	1,139056E+08	2,306046E+08	4,665398E+08	7,776514E+08	1,080558E+09	1,274930E+09	1,274912E+09	1,080514E+09	7,775964E+08
271	4,664869E+08	2,305661E+08	1,138815E+08	1,138818E+08	2,305673E+08	4,664930E+08	7,776104E+08	1,080541E+09	1,274947E+09	1,274951E+09	1,080556E+09	7,776346E+08
272	4,665165E+08	2,305807E+08	1,138812E+08	1,138748E+08	2,305630E+08	4,664971E+08	7,776210E+08	1,080550E+09	1,274954E+09	1,274963E+09	1,080567E+09	7,776399E+08
273	4,665120E+08	2,305674E+08	1,138715E+08	1,138748E+08	2,305731E+08	4,665133E+08	7,776452E+08	1,080585E+09	1,274988E+09	1,274974E+09	1,080549E+09	7,776038E+08
274	4,664784E+08	2,305477E+08	1,138596E+08	1,138592E+08	2,305478E+08	4,664784E+08	7,775986E+08	1,080535E+09	1,274958E+09	1,274981E+09	1,080586E+09	7,776483E+08
275	4,665180E+08	2,305753E+08	1,138729E+08	1,138699E+08	2,305686E+08	4,665163E+08	7,776435E+08	1,080563E+09	1,274953E+09	1,274953E+09	1,080560E+09	7,776301E+08
276	4,664958E+08	2,305554E+08	1,138666E+08	1,138722E+08	2,305701E+08	4,665126E+08	7,776454E+08	1,080578E+09	1,274969E+09	1,274952E+09	1,080540E+09	7,776122E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,664940E+08	2,305634E+08	1,138739E+08	1,138714E+08	2,305575E+08	4,664875E+08	7,776117E+08	1,080540E+09	1,274935E+09	1,274937E+09	1,080548E+09	7,776365E+08
278	4,665286E+08	2,305936E+08	1,138946E+08	1,138955E+08	2,305941E+08	4,665303E+08	7,776449E+08	1,080556E+09	1,274931E+09	1,274912E+09	1,080511E+09	7,775936E+08
279	4,664906E+08	2,305777E+08	1,138978E+08	1,139021E+08	2,305893E+08	4,665049E+08	7,776018E+08	1,080511E+09	1,274901E+09	1,274902E+09	1,080517E+09	7,776134E+08
280	4,665205E+08	2,306091E+08	1,139218E+08	1,139186E+08	2,306019E+08	4,665123E+08	7,775935E+08	1,080474E+09	1,274849E+09	1,274869E+09	1,080513E+09	7,776307E+08
281	4,665427E+08	2,306240E+08	1,139357E+08	1,139410E+08	2,306363E+08	4,665516E+08	7,776303E+08	1,080498E+09	1,274842E+09	1,274827E+09	1,080459E+09	7,775815E+08
282	4,665109E+08	2,306147E+08	1,139386E+08	1,139411E+08	2,306216E+08	4,665169E+08	7,775784E+08	1,080442E+09	1,274798E+09	1,274807E+09	1,080467E+09	7,776136E+08
283	4,665553E+08	2,306545E+08	1,139627E+08	1,139575E+08	2,306404E+08	4,665418E+08	7,776027E+08	1,080452E+09	1,274786E+09	1,274781E+09	1,080445E+09	7,776018E+08
284	4,665432E+08	2,306432E+08	1,139621E+08	1,139667E+08	2,306530E+08	4,665492E+08	7,776102E+08	1,080470E+09	1,274809E+09	1,274789E+09	1,080425E+09	7,775692E+08
285	4,665232E+08	2,306386E+08	1,139611E+08	1,139580E+08	2,306311E+08	4,665165E+08	7,775714E+08	1,080431E+09	1,274786E+09	1,274800E+09	1,080462E+09	7,776081E+08
286	4,665539E+08	2,306574E+08	1,139679E+08	1,139664E+08	2,306552E+08	4,665596E+08	7,776189E+08	1,080467E+09	1,274803E+09	1,274798E+09	1,080449E+09	7,775844E+08
287	4,665162E+08	2,306232E+08	1,139488E+08	1,139531E+08	2,306365E+08	4,665357E+08	7,776039E+08	1,080473E+09	1,274828E+09	1,274824E+09	1,080465E+09	7,775963E+08
288	4,665271E+08	2,306258E+08	1,139413E+08	1,139365E+08	2,306146E+08	4,665156E+08	7,775894E+08	1,080466E+09	1,274835E+09	1,274850E+09	1,080498E+09	7,776263E+08
289	4,665471E+08	2,306276E+08	1,139334E+08	1,139340E+08	2,306270E+08	4,665453E+08	7,776337E+08	1,080518E+09	1,274877E+09	1,274861E+09	1,080479E+09	7,775862E+08
290	4,665010E+08	2,305942E+08	1,139124E+08	1,139124E+08	2,305931E+08	4,664989E+08	7,775864E+08	1,080488E+09	1,274876E+09	1,274885E+09	1,080512E+09	7,776184E+08
291	4,665277E+08	2,306112E+08	1,139167E+08	1,139100E+08	2,305937E+08	4,665083E+08	7,775990E+08	1,080495E+09	1,274877E+09	1,274887E+09	1,080522E+09	7,776305E+08
292	4,665259E+08	2,305969E+08	1,139071E+08	1,139114E+08	2,306072E+08	4,665306E+08	7,776292E+08	1,080530E+09	1,274906E+09	1,274896E+09	1,080502E+09	7,775926E+08
293	4,664947E+08	2,305796E+08	1,138961E+08	1,138956E+08	2,305798E+08	4,664976E+08	7,775978E+08	1,080499E+09	1,274881E+09	1,274894E+09	1,080525E+09	7,776256E+08
294	4,665272E+08	2,306052E+08	1,139096E+08	1,139072E+08	2,306016E+08	4,665334E+08	7,776372E+08	1,080528E+09	1,274887E+09	1,274875E+09	1,080501E+09	7,776058E+08
295	4,665054E+08	2,305873E+08	1,139044E+08	1,139096E+08	2,306008E+08	4,665225E+08	7,776263E+08	1,080531E+09	1,274901E+09	1,274878E+09	1,080484E+09	7,775899E+08
296	4,665066E+08	2,305983E+08	1,139149E+08	1,139127E+08	2,305927E+08	4,664983E+08	7,775839E+08	1,080481E+09	1,274867E+09	1,274879E+09	1,080507E+09	7,776217E+08
297	4,665426E+08	2,306281E+08	1,139355E+08	1,139365E+08	2,306302E+08	4,665451E+08	7,776231E+08	1,080497E+09	1,274852E+09	1,274842E+09	1,080472E+09	7,775868E+08
298	4,665097E+08	2,306131E+08	1,139383E+08	1,139436E+08	2,306271E+08	4,665231E+08	7,775836E+08	1,080448E+09	1,274805E+09	1,274809E+09	1,080462E+09	7,776006E+08
299	4,665397E+08	2,306471E+08	1,139643E+08	1,139604E+08	2,306380E+08	4,665282E+08	7,775778E+08	1,080420E+09	1,274758E+09	1,274770E+09	1,080451E+09	7,776185E+08
300	4,665632E+08	2,306614E+08	1,139773E+08	1,139818E+08	2,306711E+08	4,665656E+08	7,776121E+08	1,080446E+09	1,274762E+09	1,274742E+09	1,080399E+09	7,775627E+08
301	4,665296E+08	2,306536E+08	1,139809E+08	1,139812E+08	2,306535E+08	4,665303E+08	7,775675E+08	1,080399E+09	1,274725E+09	1,274727E+09	1,080405E+09	7,775841E+08
302	4,665618E+08	2,306868E+08	1,140031E+08	1,139983E+08	2,306753E+08	4,665557E+08	7,775861E+08	1,080406E+09	1,274719E+09	1,274713E+09	1,080395E+09	7,775777E+08
303	4,665496E+08	2,306730E+08	1,139997E+08	1,140050E+08	2,306870E+08	4,665634E+08	7,775896E+08	1,080415E+09	1,274735E+09	1,274720E+09	1,080381E+09	7,775545E+08
304	4,665341E+08	2,306675E+08	1,139964E+08	1,139946E+08	2,306648E+08	4,665331E+08	7,775537E+08	1,080378E+09	1,274719E+09	1,274743E+09	1,080426E+09	7,775996E+08
305	4,665675E+08	2,306842E+08	1,139994E+08	1,139977E+08	2,306823E+08	4,665727E+08	7,776091E+08	1,080428E+09	1,274739E+09	1,274733E+09	1,080411E+09	7,775790E+08
306	4,665343E+08	2,306516E+08	1,139790E+08	1,139827E+08	2,306608E+08	4,665425E+08	7,775857E+08	1,080428E+09	1,274759E+09	1,274750E+09	1,080414E+09	7,775807E+08
307	4,665418E+08	2,306569E+08	1,139751E+08	1,139683E+08	2,306393E+08	4,665202E+08	7,775666E+08	1,080419E+09	1,274768E+09	1,274780E+09	1,080451E+09	7,776133E+08
308	4,665611E+08	2,306579E+08	1,139682E+08	1,139681E+08	2,306557E+08	4,665532E+08	7,776086E+08	1,080463E+09	1,274807E+09	1,274797E+09	1,080438E+09	7,775718E+08
309	4,665141E+08	2,306251E+08	1,139480E+08	1,139476E+08	2,306243E+08	4,665167E+08	7,775787E+08	1,080443E+09	1,274802E+09	1,274811E+09	1,080461E+09	7,775964E+08
310	4,665325E+08	2,306367E+08	1,139509E+08	1,139463E+08	2,306286E+08	4,665315E+08	7,775975E+08	1,080458E+09	1,274808E+09	1,274813E+09	1,080471E+09	7,776102E+08
311	4,665341E+08	2,306231E+08	1,139397E+08	1,139452E+08	2,306381E+08	4,665480E+08	7,776227E+08	1,080494E+09	1,274840E+09	1,274820E+09	1,080447E+09	7,775740E+08
312	4,665068E+08	2,306086E+08	1,139301E+08	1,139303E+08	2,306103E+08	4,665111E+08	7,775836E+08	1,080462E+09	1,274832E+09	1,274841E+09	1,080481E+09	7,776091E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,665398E+08	2,306354E+08	1,139448E+08	1,139414E+08	2,306291E+08	4,665423E+08	7,776206E+08	1,080487E+09	1,274831E+09	1,274820E+09	1,080463E+09	7,775949E+08
314	4,665218E+08	2,306203E+08	1,139421E+08	1,139471E+08	2,306316E+08	4,665288E+08	7,775969E+08	1,080469E+09	1,274821E+09	1,274806E+09	1,080439E+09	7,775763E+08
315	4,665230E+08	2,306354E+08	1,139577E+08	1,139550E+08	2,306290E+08	4,665110E+08	7,775563E+08	1,080412E+09	1,274774E+09	1,274793E+09	1,080461E+09	7,776161E+08
316	4,665636E+08	2,306658E+08	1,139788E+08	1,139797E+08	2,306681E+08	4,665616E+08	7,776001E+08	1,080427E+09	1,274751E+09	1,274749E+09	1,080417E+09	7,775754E+08
317	4,665323E+08	2,306531E+08	1,139820E+08	1,139861E+08	2,306632E+08	4,665425E+08	7,775758E+08	1,080396E+09	1,274709E+09	1,274705E+09	1,080389E+09	7,775740E+08
318	4,665532E+08	2,306838E+08	1,140074E+08	1,140034E+08	2,306754E+08	4,665464E+08	7,775663E+08	1,080375E+09	1,274680E+09	1,274679E+09	1,080380E+09	7,775879E+08
319	4,665742E+08	2,306971E+08	1,140189E+08	1,140227E+08	2,307052E+08	4,665774E+08	7,775908E+08	1,080393E+09	1,274687E+09	1,274662E+09	1,080338E+09	7,775364E+08
320	4,665402E+08	2,306880E+08	1,140223E+08	1,140232E+08	2,306903E+08	4,665444E+08	7,775439E+08	1,080346E+09	1,274662E+09	1,274671E+09	1,080364E+09	7,775664E+08
321	4,665709E+08	2,307163E+08	1,140403E+08	1,140361E+08	2,307093E+08	4,665731E+08	7,775728E+08	1,080358E+09	1,274651E+09	1,274654E+09	1,080361E+09	7,775700E+08
322	4,665636E+08	2,307015E+08	1,140338E+08	1,140402E+08	2,307184E+08	4,665785E+08	7,775766E+08	1,080366E+09	1,274659E+09	1,274647E+09	1,080338E+09	7,775444E+08
323	4,665498E+08	2,306978E+08	1,140305E+08	1,140282E+08	2,306934E+08	4,665456E+08	7,775410E+08	1,080337E+09	1,274649E+09	1,274668E+09	1,080382E+09	7,775932E+08
324	4,665857E+08	2,307144E+08	1,140322E+08	1,140293E+08	2,307077E+08	4,665805E+08	7,775903E+08	1,080383E+09	1,274676E+09	1,274670E+09	1,080367E+09	7,775665E+08
325	4,665517E+08	2,306837E+08	1,140130E+08	1,140146E+08	2,306853E+08	4,665515E+08	7,775736E+08	1,080387E+09	1,274693E+09	1,274683E+09	1,080364E+09	7,775575E+08
326	4,665485E+08	2,306841E+08	1,140090E+08	1,140031E+08	2,306699E+08	4,665324E+08	7,775498E+08	1,080373E+09	1,274703E+09	1,274715E+09	1,080404E+09	7,775915E+08
327	4,665672E+08	2,306837E+08	1,140007E+08	1,140018E+08	2,306866E+08	4,665683E+08	7,775916E+08	1,080411E+09	1,274732E+09	1,274727E+09	1,080392E+09	7,775562E+08
328	4,665241E+08	2,306515E+08	1,139806E+08	1,139819E+08	2,306565E+08	4,665354E+08	7,775680E+08	1,080400E+09	1,274740E+09	1,274750E+09	1,080420E+09	7,775825E+08
329	4,665430E+08	2,306617E+08	1,139813E+08	1,139770E+08	2,306555E+08	4,665464E+08	7,775929E+08	1,080426E+09	1,274750E+09	1,274749E+09	1,080426E+09	7,775975E+08
330	4,665495E+08	2,306525E+08	1,139721E+08	1,139771E+08	2,306638E+08	4,665555E+08	7,776052E+08	1,080451E+09	1,274776E+09	1,274750E+09	1,080395E+09	7,775560E+08
331	4,665224E+08	2,306432E+08	1,139683E+08	1,139668E+08	2,306387E+08	4,665164E+08	7,775572E+08	1,080408E+09	1,274759E+09	1,274769E+09	1,080436E+09	7,775974E+08
332	4,665573E+08	2,306713E+08	1,139858E+08	1,139815E+08	2,306618E+08	4,665504E+08	7,775899E+08	1,080421E+09	1,274749E+09	1,274750E+09	1,080421E+09	7,775844E+08
333	4,665416E+08	2,306590E+08	1,139856E+08	1,139897E+08	2,306684E+08	4,665478E+08	7,775822E+08	1,080407E+09	1,274726E+09	1,274716E+09	1,080383E+09	7,775569E+08
334	4,665355E+08	2,306701E+08	1,140009E+08	1,139996E+08	2,306698E+08	4,665339E+08	7,775460E+08	1,080358E+09	1,274682E+09	1,274699E+09	1,080398E+09	7,775938E+08
335	4,665779E+08	2,307010E+08	1,140200E+08	1,140215E+08	2,307052E+08	4,665802E+08	7,775866E+08	1,080375E+09	1,274665E+09	1,274656E+09	1,080350E+09	7,775523E+08
336	4,665476E+08	2,306897E+08	1,140239E+08	1,140283E+08	2,307001E+08	4,665592E+08	7,775586E+08	1,080349E+09	1,274644E+09	1,274635E+09	1,080331E+09	7,775494E+08
337	4,665643E+08	2,307170E+08	1,140471E+08	1,140428E+08	2,307085E+08	4,665603E+08	7,775519E+08	1,080331E+09	1,274615E+09	1,274614E+09	1,080333E+09	7,775688E+08
338	4,665868E+08	2,307301E+08	1,140583E+08	1,140628E+08	2,307395E+08	4,665886E+08	7,775666E+08	1,080335E+09	1,274608E+09	1,274589E+09	1,080291E+09	7,775209E+08
339	4,665538E+08	2,307219E+08	1,140625E+08	1,140637E+08	2,307260E+08	4,665602E+08	7,775245E+08	1,080287E+09	1,274578E+09	1,274594E+09	1,080324E+09	7,775618E+08
340	4,665887E+08	2,307485E+08	1,140779E+08	1,140738E+08	2,307417E+08	4,665884E+08	7,775578E+08	1,080305E+09	1,274570E+09	1,274579E+09	1,080319E+09	7,775632E+08
341	4,665847E+08	2,307358E+08	1,140702E+08	1,140748E+08	2,307464E+08	4,665929E+08	7,775702E+08	1,080325E+09	1,274583E+09	1,274564E+09	1,080281E+09	7,775240E+08
342	4,665619E+08	2,307285E+08	1,140657E+08	1,140630E+08	2,307225E+08	4,665571E+08	7,775274E+08	1,080296E+09	1,274586E+09	1,274597E+09	1,080326E+09	7,775683E+08
343	4,665959E+08	2,307442E+08	1,140659E+08	1,140623E+08	2,307343E+08	4,665869E+08	7,775666E+08	1,080332E+09	1,274609E+09	1,274604E+09	1,080319E+09	7,775454E+08
344	4,665608E+08	2,307122E+08	1,140469E+08	1,140494E+08	2,307164E+08	4,665634E+08	7,775517E+08	1,080338E+09	1,274638E+09	1,274632E+09	1,080327E+09	7,775411E+08
345	4,665552E+08	2,307080E+08	1,140394E+08	1,140348E+08	2,306994E+08	4,665503E+08	7,775434E+08	1,080334E+09	1,274641E+09	1,274657E+09	1,080370E+09	7,775811E+08
346	4,665780E+08	2,307079E+08	1,140300E+08	1,140325E+08	2,307138E+08	4,665818E+08	7,775825E+08	1,080370E+09	1,274664E+09	1,274656E+09	1,080347E+09	7,775437E+08
347	4,665379E+08	2,306797E+08	1,140123E+08	1,140135E+08	2,306835E+08	4,665478E+08	7,775583E+08	1,080364E+09	1,274676E+09	1,274682E+09	1,080378E+09	7,775736E+08
348	4,665592E+08	2,306920E+08	1,140148E+08	1,140093E+08	2,306808E+08	4,665536E+08	7,775744E+08	1,080382E+09	1,274689E+09	1,274690E+09	1,080385E+09	7,775840E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,665663E+08	2,306869E+08	1,140095E+08	1,140122E+08	2,306906E+08	4,665641E+08	7,775883E+08	1,080401E+09	1,274703E+09	1,274679E+09	1,080346E+09	7,775345E+08
350	4,665322E+08	2,306758E+08	1,140085E+08	1,140080E+08	2,306749E+08	4,665307E+08	7,775349E+08	1,080349E+09	1,274679E+09	1,274694E+09	1,080386E+09	7,775780E+08
351	4,665701E+08	2,307050E+08	1,140257E+08	1,140228E+08	2,306986E+08	4,665664E+08	7,775663E+08	1,080353E+09	1,274653E+09	1,274662E+09	1,080368E+09	7,775697E+08
352	4,665579E+08	2,306941E+08	1,140268E+08	1,140326E+08	2,307076E+08	4,665681E+08	7,775668E+08	1,080352E+09	1,274642E+09	1,274631E+09	1,080327E+09	7,775398E+08
353	4,665507E+08	2,307036E+08	1,140399E+08	1,140391E+08	2,307044E+08	4,665526E+08	7,775387E+08	1,080315E+09	1,274604E+09	1,274612E+09	1,080337E+09	7,775733E+08
354	4,665935E+08	2,307361E+08	1,140599E+08	1,140612E+08	2,307376E+08	4,665912E+08	7,775674E+08	1,080323E+09	1,274585E+09	1,274569E+09	1,080286E+09	7,775274E+08
355	4,665620E+08	2,307276E+08	1,140671E+08	1,140706E+08	2,307353E+08	4,665714E+08	7,775373E+08	1,080293E+09	1,274564E+09	1,274556E+09	1,080281E+09	7,775328E+08
356	4,665789E+08	2,307531E+08	1,140896E+08	1,140852E+08	2,307447E+08	4,665742E+08	7,775291E+08	1,080272E+09	1,274537E+09	1,274545E+09	1,080291E+09	7,775556E+08
357	4,666032E+08	2,307668E+08	1,141001E+08	1,141040E+08	2,307754E+08	4,666094E+08	7,775582E+08	1,080283E+09	1,274523E+09	1,274507E+09	1,080241E+09	7,775047E+08
358	4,665665E+08	2,307544E+08	1,141020E+08	1,141045E+08	2,307627E+08	4,665799E+08	7,775165E+08	1,080244E+09	1,274503E+09	1,274515E+09	1,080271E+09	7,775443E+08
359	4,666034E+08	2,307801E+08	1,141133E+08	1,141092E+08	2,307714E+08	4,665997E+08	7,775419E+08	1,080260E+09	1,274501E+09	1,274505E+09	1,080267E+09	7,775472E+08
360	4,666000E+08	2,307681E+08	1,141056E+08	1,141097E+08	2,307751E+08	4,666016E+08	7,775500E+08	1,080283E+09	1,274530E+09	1,274509E+09	1,080238E+09	7,775061E+08
361	4,665716E+08	2,307560E+08	1,140978E+08	1,140946E+08	2,307482E+08	4,665651E+08	7,775106E+08	1,080254E+09	1,274527E+09	1,274541E+09	1,080289E+09	7,775534E+08
362	4,666054E+08	2,307707E+08	1,140977E+08	1,140950E+08	2,307619E+08	4,665945E+08	7,775422E+08	1,080276E+09	1,274536E+09	1,274538E+09	1,080279E+09	7,775327E+08
363	4,665721E+08	2,307404E+08	1,140799E+08	1,140830E+08	2,307471E+08	4,665787E+08	7,775366E+08	1,080285E+09	1,274557E+09	1,274559E+09	1,080289E+09	7,775344E+08
364	4,665692E+08	2,307353E+08	1,140711E+08	1,140668E+08	2,307274E+08	4,665647E+08	7,775339E+08	1,080292E+09	1,274571E+09	1,274587E+09	1,080326E+09	7,775703E+08
365	4,665944E+08	2,307390E+08	1,140633E+08	1,140641E+08	2,307398E+08	4,665961E+08	7,775782E+08	1,080335E+09	1,274595E+09	1,274578E+09	1,080291E+09	7,775223E+08
366	4,665484E+08	2,307098E+08	1,140475E+08	1,140485E+08	2,307126E+08	4,665583E+08	7,775441E+08	1,080325E+09	1,274615E+09	1,274614E+09	1,080324E+09	7,775491E+08
367	4,665695E+08	2,307231E+08	1,140507E+08	1,140451E+08	2,307097E+08	4,665603E+08	7,775493E+08	1,080328E+09	1,274618E+09	1,274623E+09	1,080340E+09	7,775663E+08
368	4,665780E+08	2,307196E+08	1,140481E+08	1,140518E+08	2,307256E+08	4,665772E+08	7,775644E+08	1,080346E+09	1,274634E+09	1,274616E+09	1,080306E+09	7,775200E+08
369	4,665425E+08	2,307054E+08	1,140452E+08	1,140463E+08	2,307104E+08	4,665513E+08	7,775262E+08	1,080300E+09	1,274600E+09	1,274618E+09	1,080340E+09	7,775659E+08
370	4,665849E+08	2,307362E+08	1,140628E+08	1,140614E+08	2,307326E+08	4,665820E+08	7,775522E+08	1,080300E+09	1,274566E+09	1,274571E+09	1,080310E+09	7,775537E+08
371	4,665756E+08	2,307299E+08	1,140664E+08	1,140723E+08	2,307425E+08	4,665845E+08	7,775540E+08	1,080304E+09	1,274560E+09	1,274544E+09	1,080271E+09	7,775242E+08
372	4,665684E+08	2,307407E+08	1,140811E+08	1,140791E+08	2,307369E+08	4,665643E+08	7,775214E+08	1,080267E+09	1,274531E+09	1,274537E+09	1,080284E+09	7,775534E+08
373	4,666096E+08	2,307753E+08	1,141034E+08	1,141028E+08	2,307713E+08	4,666047E+08	7,775510E+08	1,080270E+09	1,274504E+09	1,274488E+09	1,080230E+09	7,775034E+08
374	4,665724E+08	2,307635E+08	1,141113E+08	1,141160E+08	2,307756E+08	4,665890E+08	7,775180E+08	1,080237E+09	1,274484E+09	1,274480E+09	1,080229E+09	7,775131E+08
375	4,665922E+08	2,307877E+08	1,141306E+08	1,141273E+08	2,307820E+08	4,665913E+08	7,775100E+08	1,080210E+09	1,274448E+09	1,274464E+09	1,080243E+09	7,775434E+08
376	4,666197E+08	2,308013E+08	1,141400E+08	1,141445E+08	2,308110E+08	4,666255E+08	7,775432E+08	1,080237E+09	1,274453E+09	1,274433E+09	1,080193E+09	7,774919E+08
377	4,665819E+08	2,307861E+08	1,141377E+08	1,141398E+08	2,307926E+08	4,665935E+08	7,775061E+08	1,080205E+09	1,274437E+09	1,274442E+09	1,080221E+09	7,775296E+08
378	4,666186E+08	2,308115E+08	1,141482E+08	1,141433E+08	2,307973E+08	4,666023E+08	7,775150E+08	1,080206E+09	1,274428E+09	1,274431E+09	1,080215E+09	7,775289E+08
379	4,666134E+08	2,308007E+08	1,141419E+08	1,141451E+08	2,308046E+08	4,666097E+08	7,775255E+08	1,080226E+09	1,274452E+09	1,274440E+09	1,080199E+09	7,774944E+08
380	4,665841E+08	2,307861E+08	1,141328E+08	1,141295E+08	2,307786E+08	4,665779E+08	7,774919E+08	1,080201E+09	1,274454E+09	1,274477E+09	1,080250E+09	7,775410E+08
381	4,666169E+08	2,307997E+08	1,141314E+08	1,141281E+08	2,307919E+08	4,666142E+08	7,775388E+08	1,080233E+09	1,274459E+09	1,274460E+09	1,080229E+09	7,775153E+08
382	4,665807E+08	2,307667E+08	1,141126E+08	1,141171E+08	2,307790E+08	4,665981E+08	7,775355E+08	1,080256E+09	1,274496E+09	1,274488E+09	1,080236E+09	7,775144E+08
383	4,665799E+08	2,307618E+08	1,141012E+08	1,140974E+08	2,307536E+08	4,665758E+08	7,775227E+08	1,080257E+09	1,274515E+09	1,274524E+09	1,080279E+09	7,775528E+08
384	4,666052E+08	2,307676E+08	1,140959E+08	1,140965E+08	2,307663E+08	4,666032E+08	7,775611E+08	1,080301E+09	1,274551E+09	1,274528E+09	1,080252E+09	7,775058E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
385	4,665567E+08	2,307364E+08	1,140796E+08	1,140810E+08	2,307399E+08	4,665670E+08	7,775269E+08	1,080282E+09	1,274557E+09	1,274559E+09	1,080288E+09	7,775369E+08
386	4,665799E+08	2,307510E+08	1,140849E+08	1,140805E+08	2,307395E+08	4,665674E+08	7,775208E+08	1,080264E+09	1,274536E+09	1,274551E+09	1,080298E+09	7,775564E+08
387	4,665933E+08	2,307520E+08	1,140855E+08	1,140898E+08	2,307601E+08	4,665940E+08	7,775470E+08	1,080283E+09	1,274538E+09	1,274531E+09	1,080262E+09	7,775138E+08
388	4,665616E+08	2,307400E+08	1,140838E+08	1,140847E+08	2,307435E+08	4,665672E+08	7,775136E+08	1,080249E+09	1,274514E+09	1,274529E+09	1,080283E+09	7,775507E+08
389	4,666043E+08	2,307747E+08	1,141040E+08	1,141004E+08	2,307653E+08	4,665983E+08	7,775419E+08	1,080253E+09	1,274482E+09	1,274475E+09	1,080239E+09	7,775268E+08
390	4,665893E+08	2,307681E+08	1,141106E+08	1,141161E+08	2,307800E+08	4,665993E+08	7,775368E+08	1,080255E+09	1,274485E+09	1,274460E+09	1,080203E+09	7,774941E+08
391	4,665804E+08	2,307780E+08	1,141245E+08	1,141228E+08	2,307740E+08	4,665767E+08	7,774966E+08	1,080207E+09	1,274452E+09	1,274461E+09	1,080232E+09	7,775324E+08
392	4,666211E+08	2,308119E+08	1,141478E+08	1,141482E+08	2,308119E+08	4,666219E+08	7,775309E+08	1,080217E+09	1,274432E+09	1,274419E+09	1,080187E+09	7,774892E+08
393	4,665842E+08	2,307958E+08	1,141513E+08	1,141572E+08	2,308131E+08	4,666099E+08	7,775098E+08	1,080191E+09	1,274407E+09	1,274405E+09	1,080186E+09	7,775030E+08
394	4,666077E+08	2,308197E+08	1,141686E+08	1,141661E+08	2,308147E+08	4,666033E+08	7,774920E+08	1,080158E+09	1,274368E+09	1,274382E+09	1,080192E+09	7,775319E+08
395	4,666385E+08	2,308367E+08	1,141783E+08	1,141818E+08	2,308425E+08	4,666374E+08	7,775246E+08	1,080184E+09	1,274372E+09	1,274356E+09	1,080147E+09	7,774807E+08
396	4,665997E+08	2,308208E+08	1,141754E+08	1,141756E+08	2,308208E+08	4,666011E+08	7,774848E+08	1,080154E+09	1,274366E+09	1,274373E+09	1,080174E+09	7,775137E+08
397	4,666334E+08	2,308456E+08	1,141858E+08	1,141793E+08	2,308275E+08	4,666141E+08	7,774958E+08	1,080151E+09	1,274348E+09	1,274353E+09	1,080163E+09	7,775087E+08
398	4,666224E+08	2,308306E+08	1,141788E+08	1,141833E+08	2,308402E+08	4,666270E+08	7,775099E+08	1,080175E+09	1,274377E+09	1,274365E+09	1,080147E+09	7,774751E+08
399	4,665939E+08	2,308133E+08	1,141655E+08	1,141635E+08	2,308100E+08	4,665953E+08	7,774821E+08	1,080155E+09	1,274380E+09	1,274403E+09	1,080204E+09	7,775262E+08
400	4,666271E+08	2,308265E+08	1,141634E+08	1,141608E+08	2,308209E+08	4,666285E+08	7,775329E+08	1,080206E+09	1,274408E+09	1,274396E+09	1,080182E+09	7,774989E+08
401	4,665898E+08	2,307915E+08	1,141416E+08	1,141458E+08	2,308035E+08	4,666097E+08	7,775302E+08	1,080232E+09	1,274451E+09	1,274432E+09	1,080192E+09	7,774977E+08
402	4,665893E+08	2,307876E+08	1,141316E+08	1,141272E+08	2,307761E+08	4,665771E+08	7,774979E+08	1,080211E+09	1,274457E+09	1,274466E+09	1,080238E+09	7,775378E+08
403	4,666172E+08	2,307971E+08	1,141297E+08	1,141297E+08	2,307941E+08	4,666102E+08	7,775353E+08	1,080244E+09	1,274478E+09	1,274469E+09	1,080222E+09	7,774991E+08
404	4,665713E+08	2,307673E+08	1,141152E+08	1,141163E+08	2,307706E+08	4,665794E+08	7,775068E+08	1,080226E+09	1,274479E+09	1,274490E+09	1,080250E+09	7,775295E+08
405	4,665967E+08	2,307842E+08	1,141224E+08	1,141173E+08	2,307726E+08	4,665859E+08	7,775096E+08	1,080211E+09	1,274446E+09	1,274460E+09	1,080242E+09	7,775412E+08
406	4,666084E+08	2,307856E+08	1,141249E+08	1,141299E+08	2,307968E+08	4,666134E+08	7,775383E+08	1,080240E+09	1,274461E+09	1,274443E+09	1,080197E+09	7,774914E+08
407	4,665774E+08	2,307750E+08	1,141228E+08	1,141237E+08	2,307771E+08	4,665817E+08	7,774987E+08	1,080203E+09	1,274441E+09	1,274449E+09	1,080223E+09	7,775267E+08
408	4,666161E+08	2,308103E+08	1,141458E+08	1,141419E+08	2,307998E+08	4,666096E+08	7,775238E+08	1,080212E+09	1,274422E+09	1,274407E+09	1,080186E+09	7,775033E+08
409	4,665984E+08	2,308012E+08	1,141513E+08	1,141575E+08	2,308166E+08	4,666150E+08	7,775202E+08	1,080208E+09	1,274416E+09	1,274393E+09	1,080158E+09	7,774774E+08
410	4,665913E+08	2,308106E+08	1,141652E+08	1,141649E+08	2,308104E+08	4,665892E+08	7,774696E+08	1,080140E+09	1,274362E+09	1,274381E+09	1,080185E+09	7,775217E+08
411	4,666378E+08	2,308469E+08	1,141890E+08	1,141900E+08	2,308496E+08	4,666406E+08	7,775141E+08	1,080153E+09	1,274334E+09	1,274333E+09	1,080143E+09	7,774848E+08
412	4,666062E+08	2,308329E+08	1,141923E+08	1,141973E+08	2,308467E+08	4,666242E+08	7,774946E+08	1,080139E+09	1,274322E+09	1,274318E+09	1,080132E+09	7,774915E+08
413	4,666292E+08	2,308584E+08	1,142094E+08	1,142044E+08	2,308458E+08	4,666152E+08	7,774731E+08	1,080104E+09	1,274283E+09	1,274291E+09	1,080127E+09	7,775091E+08
414	4,666534E+08	2,308735E+08	1,142200E+08	1,142225E+08	2,308767E+08	4,666491E+08	7,775037E+08	1,080131E+09	1,274297E+09	1,274276E+09	1,080084E+09	7,774545E+08
415	4,666119E+08	2,308544E+08	1,142140E+08	1,142143E+08	2,308542E+08	4,666133E+08	7,774618E+08	1,080097E+09	1,274288E+09	1,274300E+09	1,080124E+09	7,774924E+08
416	4,666414E+08	2,308754E+08	1,142227E+08	1,142172E+08	2,308622E+08	4,666311E+08	7,774839E+08	1,080111E+09	1,274286E+09	1,274286E+09	1,080117E+09	7,774913E+08
417	4,666294E+08	2,308549E+08	1,142101E+08	1,142161E+08	2,308716E+08	4,666480E+08	7,775106E+08	1,080147E+09	1,274320E+09	1,274302E+09	1,080104E+09	7,774614E+08
418	4,666028E+08	2,308365E+08	1,141943E+08	1,141932E+08	2,308352E+08	4,666053E+08	7,774709E+08	1,080122E+09	1,274325E+09	1,274342E+09	1,080160E+09	7,775133E+08
419	4,666394E+08	2,308528E+08	1,141933E+08	1,141898E+08	2,308451E+08	4,666377E+08	7,775192E+08	1,080167E+09	1,274351E+09	1,274345E+09	1,080151E+09	7,774909E+08
420	4,666046E+08	2,308206E+08	1,141735E+08	1,141756E+08	2,308254E+08	4,666128E+08	7,775089E+08	1,080189E+09	1,274397E+09	1,274382E+09	1,080160E+09	7,774879E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
421	4,666035E+08	2,308182E+08	1,141659E+08	1,141601E+08	2,308034E+08	4,665850E+08	7,774720E+08	1,080153E+09	1,274380E+09	1,274397E+09	1,080195E+09	7,775249E+08
422	4,666300E+08	2,308281E+08	1,141669E+08	1,141675E+08	2,308285E+08	4,666254E+08	7,775145E+08	1,080185E+09	1,274395E+09	1,274390E+09	1,080170E+09	7,774845E+08
423	4,665871E+08	2,307986E+08	1,141515E+08	1,141536E+08	2,308046E+08	4,665971E+08	7,774927E+08	1,080171E+09	1,274392E+09	1,274403E+09	1,080195E+09	7,775138E+08
424	4,666119E+08	2,308174E+08	1,141607E+08	1,141561E+08	2,308069E+08	4,666022E+08	7,775008E+08	1,080175E+09	1,274378E+09	1,274375E+09	1,080180E+09	7,775191E+08
425	4,666206E+08	2,308174E+08	1,141622E+08	1,141673E+08	2,308296E+08	4,666296E+08	7,775292E+08	1,080203E+09	1,274396E+09	1,274366E+09	1,080138E+09	7,774668E+08
426	4,665872E+08	2,308072E+08	1,141623E+08	1,141631E+08	2,308091E+08	4,665899E+08	7,774739E+08	1,080148E+09	1,274367E+09	1,274375E+09	1,080170E+09	7,775050E+08
427	4,666275E+08	2,308445E+08	1,141874E+08	1,141838E+08	2,308369E+08	4,666249E+08	7,775008E+08	1,080148E+09	1,274336E+09	1,274336E+09	1,080146E+09	7,774915E+08
428	4,666136E+08	2,308367E+08	1,141934E+08	1,141995E+08	2,308531E+08	4,666321E+08	7,775028E+08	1,080150E+09	1,274333E+09	1,274317E+09	1,080114E+09	7,774683E+08
429	4,666103E+08	2,308476E+08	1,142073E+08	1,142065E+08	2,308476E+08	4,666094E+08	7,774563E+08	1,080084E+09	1,274270E+09	1,274288E+09	1,080127E+09	7,775080E+08
430	4,666574E+08	2,308844E+08	1,142317E+08	1,142325E+08	2,308867E+08	4,666575E+08	7,774996E+08	1,080105E+09	1,274255E+09	1,274243E+09	1,080077E+09	7,774653E+08
431	4,666263E+08	2,308706E+08	1,142332E+08	1,142373E+08	2,308798E+08	4,666360E+08	7,774746E+08	1,080086E+09	1,274245E+09	1,274238E+09	1,080074E+09	7,774702E+08
432	4,666436E+08	2,308946E+08	1,142508E+08	1,142450E+08	2,308790E+08	4,666244E+08	7,774524E+08	1,080059E+09	1,274217E+09	1,274219E+09	1,080074E+09	7,774857E+08
433	4,666616E+08	2,309036E+08	1,142574E+08	1,142606E+08	2,309109E+08	4,666646E+08	7,774873E+08	1,080083E+09	1,274228E+09	1,274209E+09	1,080039E+09	7,774358E+08
434	4,666189E+08	2,308814E+08	1,142489E+08	1,142504E+08	2,308863E+08	4,666275E+08	7,774430E+08	1,080041E+09	1,274211E+09	1,274229E+09	1,080080E+09	7,774787E+08
435	4,666522E+08	2,309021E+08	1,142555E+08	1,142507E+08	2,308931E+08	4,666493E+08	7,774759E+08	1,080065E+09	1,274211E+09	1,274219E+09	1,080080E+09	7,774829E+08
436	4,666452E+08	2,308838E+08	1,142420E+08	1,142467E+08	2,308964E+08	4,666589E+08	7,775016E+08	1,080115E+09	1,274265E+09	1,274241E+09	1,080062E+09	7,774508E+08
437	4,666194E+08	2,308671E+08	1,142267E+08	1,142234E+08	2,308592E+08	4,666129E+08	7,774530E+08	1,080079E+09	1,274263E+09	1,274275E+09	1,080112E+09	7,774962E+08
438	4,666523E+08	2,308832E+08	1,142282E+08	1,142237E+08	2,308725E+08	4,666444E+08	7,774964E+08	1,080119E+09	1,274289E+09	1,274283E+09	1,080104E+09	7,774739E+08
439	4,666183E+08	2,308505E+08	1,142080E+08	1,142102E+08	2,308551E+08	4,666228E+08	7,774846E+08	1,080131E+09	1,274322E+09	1,274318E+09	1,080120E+09	7,774746E+08
440	4,666145E+08	2,308471E+08	1,142013E+08	1,141965E+08	2,308361E+08	4,666003E+08	7,774587E+08	1,080108E+09	1,274310E+09	1,274325E+09	1,080149E+09	7,775100E+08
441	4,666401E+08	2,308545E+08	1,141999E+08	1,142021E+08	2,308613E+08	4,666463E+08	7,775116E+08	1,080149E+09	1,274327E+09	1,274316E+09	1,080119E+09	7,774678E+08
442	4,665981E+08	2,308262E+08	1,141849E+08	1,141878E+08	2,308343E+08	4,666101E+08	7,774788E+08	1,080127E+09	1,274322E+09	1,274325E+09	1,080138E+09	7,774929E+08
443	4,666240E+08	2,308479E+08	1,141965E+08	1,141916E+08	2,308376E+08	4,666163E+08	7,774870E+08	1,080128E+09	1,274308E+09	1,274309E+09	1,080134E+09	7,775011E+08
444	4,666349E+08	2,308516E+08	1,142011E+08	1,142049E+08	2,308597E+08	4,666392E+08	7,775098E+08	1,080156E+09	1,274330E+09	1,274302E+09	1,080094E+09	7,774518E+08
445	4,666020E+08	2,308426E+08	1,142033E+08	1,142036E+08	2,308443E+08	4,666034E+08	7,774483E+08	1,080084E+09	1,274280E+09	1,274294E+09	1,080119E+09	7,774898E+08
446	4,666429E+08	2,308804E+08	1,142307E+08	1,142278E+08	2,308762E+08	4,666439E+08	7,774822E+08	1,080085E+09	1,274245E+09	1,274248E+09	1,080090E+09	7,774778E+08
447	4,666343E+08	2,308742E+08	1,142359E+08	1,142423E+08	2,308902E+08	4,666494E+08	7,774857E+08	1,080090E+09	1,274240E+09	1,274226E+09	1,080057E+09	7,774533E+08
448	4,666300E+08	2,308865E+08	1,142509E+08	1,142494E+08	2,308835E+08	4,666230E+08	7,774414E+08	1,080041E+09	1,274194E+09	1,274199E+09	1,080062E+09	7,774855E+08
449	4,666726E+08	2,309205E+08	1,142729E+08	1,142733E+08	2,309210E+08	4,666713E+08	7,774829E+08	1,080058E+09	1,274183E+09	1,274165E+09	1,080017E+09	7,774400E+08
450	4,666372E+08	2,309049E+08	1,142741E+08	1,142780E+08	2,309130E+08	4,666445E+08	7,774464E+08	1,080025E+09	1,274164E+09	1,274161E+09	1,080019E+09	7,774477E+08
451	4,666541E+08	2,309272E+08	1,142904E+08	1,142852E+08	2,309157E+08	4,666420E+08	7,774330E+08	1,079997E+09	1,274133E+09	1,274150E+09	1,080034E+09	7,774722E+08
452	4,666746E+08	2,309352E+08	1,142948E+08	1,142978E+08	2,309436E+08	4,666827E+08	7,774774E+08	1,080037E+09	1,274155E+09	1,274141E+09	1,079999E+09	7,774267E+08
453	4,666340E+08	2,309117E+08	1,142836E+08	1,142850E+08	2,309177E+08	4,666458E+08	7,774351E+08	1,080000E+09	1,274139E+09	1,274153E+09	1,080030E+09	7,774649E+08
454	4,666667E+08	2,309318E+08	1,142897E+08	1,142847E+08	2,309225E+08	4,666638E+08	7,774671E+08	1,080030E+09	1,274154E+09	1,274153E+09	1,080028E+09	7,774662E+08
455	4,666608E+08	2,309139E+08	1,142749E+08	1,142785E+08	2,309214E+08	4,666662E+08	7,774840E+08	1,080073E+09	1,274208E+09	1,274185E+09	1,080022E+09	7,774352E+08
456	4,666313E+08	2,308967E+08	1,142608E+08	1,142571E+08	2,308860E+08	4,666184E+08	7,774338E+08	1,080041E+09	1,274208E+09	1,274218E+09	1,080072E+09	7,774797E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,666604E+08	2,309087E+08	1,142599E+08	1,142567E+08	2,309019E+08	4,666562E+08	7,774775E+08	1,080070E+09	1,274222E+09	1,274222E+09	1,080065E+09	7,774601E+08
458	4,666264E+08	2,308755E+08	1,142397E+08	1,142433E+08	2,308844E+08	4,666356E+08	7,774655E+08	1,080073E+09	1,274239E+09	1,274242E+09	1,080075E+09	7,774624E+08
459	4,666273E+08	2,308742E+08	1,142335E+08	1,142298E+08	2,308671E+08	4,666188E+08	7,774503E+08	1,080057E+09	1,274228E+09	1,274249E+09	1,080104E+09	7,774967E+08
460	4,666559E+08	2,308855E+08	1,142337E+08	1,142346E+08	2,308876E+08	4,666581E+08	7,775016E+08	1,080111E+09	1,274263E+09	1,274243E+09	1,080067E+09	7,774507E+08
461	4,666139E+08	2,308600E+08	1,142216E+08	1,142230E+08	2,308637E+08	4,666214E+08	7,774604E+08	1,080079E+09	1,274250E+09	1,274249E+09	1,080079E+09	7,774692E+08
462	4,666365E+08	2,308822E+08	1,142369E+08	1,142318E+08	2,308713E+08	4,666281E+08	7,774653E+08	1,080075E+09	1,274236E+09	1,274236E+09	1,080078E+09	7,774791E+08
463	4,666489E+08	2,308865E+08	1,142423E+08	1,142465E+08	2,308958E+08	4,666539E+08	7,774877E+08	1,080095E+09	1,274247E+09	1,274228E+09	1,080049E+09	7,774371E+08
464	4,666164E+08	2,308780E+08	1,142460E+08	1,142474E+08	2,308826E+08	4,666215E+08	7,774366E+08	1,080037E+09	1,274200E+09	1,274212E+09	1,080067E+09	7,774744E+08
465	4,666575E+08	2,309136E+08	1,142708E+08	1,142693E+08	2,309133E+08	4,666639E+08	7,774735E+08	1,080042E+09	1,274169E+09	1,274167E+09	1,080035E+09	7,774607E+08
466	4,666496E+08	2,309090E+08	1,142763E+08	1,142826E+08	2,309240E+08	4,666619E+08	7,774655E+08	1,080035E+09	1,274159E+09	1,274143E+09	1,080000E+09	7,774341E+08
467	4,666463E+08	2,309230E+08	1,142921E+08	1,142901E+08	2,309180E+08	4,666372E+08	7,774214E+08	1,079981E+09	1,274113E+09	1,274127E+09	1,080015E+09	7,774674E+08
468	4,666881E+08	2,309574E+08	1,143146E+08	1,143135E+08	2,309534E+08	4,666814E+08	7,774601E+08	1,080002E+09	1,274108E+09	1,274094E+09	1,079971E+09	7,774248E+08
469	4,666521E+08	2,309402E+08	1,143149E+08	1,143189E+08	2,309501E+08	4,666611E+08	7,774231E+08	1,079960E+09	1,274074E+09	1,274077E+09	1,079967E+09	7,774310E+08
470	4,66675E+08	2,309598E+08	1,143299E+08	1,143258E+08	2,309529E+08	4,666632E+08	7,774226E+08	1,079945E+09	1,274050E+09	1,274066E+09	1,079978E+09	7,774565E+08
471	4,666911E+08	2,309675E+08	1,143315E+08	1,143348E+08	2,309756E+08	4,666994E+08	7,774691E+08	1,079994E+09	1,274081E+09	1,274064E+09	1,079950E+09	7,774128E+08
472	4,666495E+08	2,309438E+08	1,143194E+08	1,143201E+08	2,309457E+08	4,666558E+08	7,774268E+08	1,079972E+09	1,274083E+09	1,274084E+09	1,079978E+09	7,774446E+08
473	4,666768E+08	2,309598E+08	1,143224E+08	1,143172E+08	2,309488E+08	4,666727E+08	7,774528E+08	1,079995E+09	1,274103E+09	1,274098E+09	1,079985E+09	7,774462E+08
474	4,66682E+08	2,309410E+08	1,143074E+08	1,143108E+08	2,309470E+08	4,666700E+08	7,774557E+08	1,080016E+09	1,274139E+09	1,274126E+09	1,079984E+09	7,774194E+08
475	4,666400E+08	2,309229E+08	1,142927E+08	1,142899E+08	2,309161E+08	4,666326E+08	7,774145E+08	1,079981E+09	1,274131E+09	1,274159E+09	1,080040E+09	7,774703E+08
476	4,666729E+08	2,309361E+08	1,142916E+08	1,142883E+08	2,309292E+08	4,666701E+08	7,774669E+08	1,080026E+09	1,274152E+09	1,274155E+09	1,080027E+09	7,774526E+08
477	4,666420E+08	2,309041E+08	1,142714E+08	1,142754E+08	2,309137E+08	4,666507E+08	7,774544E+08	1,080029E+09	1,274164E+09	1,274160E+09	1,080021E+09	7,774461E+08
478	4,666419E+08	2,309048E+08	1,142680E+08	1,142641E+08	2,308966E+08	4,666334E+08	7,774414E+08	1,080021E+09	1,274165E+09	1,274174E+09	1,080044E+09	7,774748E+08
479	4,666702E+08	2,309183E+08	1,142703E+08	1,142702E+08	2,309159E+08	4,666673E+08	7,774846E+08	1,080066E+09	1,274197E+09	1,274178E+09	1,080020E+09	7,774308E+08
480	4,666256E+08	2,308935E+08	1,142612E+08	1,142627E+08	2,308960E+08	4,666308E+08	7,774428E+08	1,080037E+09	1,274185E+09	1,274181E+09	1,080032E+09	7,774483E+08
481	4,666447E+08	2,309124E+08	1,142753E+08	1,142723E+08	2,309080E+08	4,666457E+08	7,774482E+08	1,080021E+09	1,274161E+09	1,274166E+09	1,080034E+09	7,774631E+08
482	4,666592E+08	2,309180E+08	1,142815E+08	1,142870E+08	2,309314E+08	4,666698E+08	7,774678E+08	1,080031E+09	1,274155E+09	1,274143E+09	1,079999E+09	7,774247E+08
483	4,666336E+08	2,309127E+08	1,142863E+08	1,142886E+08	2,309198E+08	4,666412E+08	7,774234E+08	1,079978E+09	1,274109E+09	1,274127E+09	1,080016E+09	7,774620E+08
484	4,666786E+08	2,309525E+08	1,143126E+08	1,143094E+08	2,309452E+08	4,666746E+08	7,774555E+08	1,079991E+09	1,274090E+09	1,274084E+09	1,079979E+09	7,774449E+08
485	4,666693E+08	2,309489E+08	1,143196E+08	1,143247E+08	2,309594E+08	4,666736E+08	7,774396E+08	1,079972E+09	1,274069E+09	1,274053E+09	1,079937E+09	7,774113E+08
486	4,666619E+08	2,309620E+08	1,143371E+08	1,143348E+08	2,309566E+08	4,666533E+08	7,774002E+08	1,079920E+09	1,274026E+09	1,274040E+09	1,079954E+09	7,774447E+08
487	4,667020E+08	2,309936E+08	1,143573E+08	1,143566E+08	2,309913E+08	4,666996E+08	7,774430E+08	1,079943E+09	1,274020E+09	1,274013E+09	1,079922E+09	7,774087E+08
488	4,66656E+08	2,309744E+08	1,143557E+08	1,143607E+08	2,309871E+08	4,666814E+08	7,774205E+08	1,079925E+09	1,274002E+09	1,273996E+09	1,079912E+09	7,774122E+08
489	4,666784E+08	2,309886E+08	1,143650E+08	1,143626E+08	2,309862E+08	4,666821E+08	7,774191E+08	1,079915E+09	1,273992E+09	1,273997E+09	1,079928E+09	7,774367E+08
490	4,667002E+08	2,309960E+08	1,143649E+08	1,143678E+08	2,310024E+08	4,667079E+08	7,774523E+08	1,079952E+09	1,274020E+09	1,274002E+09	1,079905E+09	7,773970E+08
491	4,666616E+08	2,309730E+08	1,143525E+08	1,143527E+08	2,309726E+08	4,666644E+08	7,774074E+08	1,079923E+09	1,274023E+09	1,274035E+09	1,079947E+09	7,774327E+08
492	4,666892E+08	2,309888E+08	1,143550E+08	1,143484E+08	2,309723E+08	4,666751E+08	7,774274E+08	1,079945E+09	1,274040E+09	1,274045E+09	1,079956E+09	7,774391E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,666816E+08	2,309696E+08	1,143397E+08	1,143433E+08	2,309763E+08	4,666807E+08	7,774305E+08	1,079953E+09	1,274056E+09	1,274052E+09	1,079942E+09	7,774097E+08
494	4,666541E+08	2,309517E+08	1,143259E+08	1,143236E+08	2,309469E+08	4,666497E+08	7,774037E+08	1,079931E+09	1,274049E+09	1,274075E+09	1,079986E+09	7,774564E+08
495	4,666886E+08	2,309659E+08	1,143247E+08	1,143213E+08	2,309573E+08	4,666833E+08	7,774572E+08	1,079985E+09	1,274079E+09	1,274075E+09	1,079974E+09	7,774362E+08
496	4,666565E+08	2,309359E+08	1,143067E+08	1,143101E+08	2,309422E+08	4,666621E+08	7,774482E+08	1,080002E+09	1,274106E+09	1,274086E+09	1,079961E+09	7,774201E+08
497	4,666495E+08	2,309335E+08	1,143027E+08	1,142996E+08	2,309272E+08	4,666458E+08	7,774289E+08	1,079985E+09	1,274110E+09	1,274114E+09	1,079995E+09	7,774488E+08
498	4,666740E+08	2,309471E+08	1,143066E+08	1,143071E+08	2,309474E+08	4,666774E+08	7,774610E+08	1,080010E+09	1,274123E+09	1,274113E+09	1,079979E+09	7,774148E+08
499	4,666353E+08	2,309235E+08	1,142985E+08	1,143017E+08	2,309324E+08	4,666499E+08	7,774265E+08	1,079977E+09	1,274106E+09	1,274118E+09	1,079997E+09	7,774391E+08
500	4,666597E+08	2,309450E+08	1,143132E+08	1,143102E+08	2,309403E+08	4,666606E+08	7,774361E+08	1,079974E+09	1,274084E+09	1,274092E+09	1,079992E+09	7,774572E+08
501	4,666796E+08	2,309537E+08	1,143204E+08	1,143261E+08	2,309663E+08	4,666849E+08	7,774497E+08	1,079976E+09	1,274068E+09	1,274053E+09	1,079940E+09	7,774103E+08
502	4,666541E+08	2,309515E+08	1,143286E+08	1,143301E+08	2,309551E+08	4,666566E+08	7,774078E+08	1,079928E+09	1,274028E+09	1,274037E+09	1,079951E+09	7,774418E+08
503	4,666978E+08	2,309925E+08	1,143566E+08	1,143522E+08	2,309796E+08	4,666847E+08	7,774323E+08	1,079933E+09	1,274007E+09	1,274003E+09	1,079924E+09	7,774254E+08
504	4,666848E+08	2,309879E+08	1,143647E+08	1,143698E+08	2,309972E+08	4,666867E+08	7,774207E+08	1,079920E+09	1,273986E+09	1,273967E+09	1,079878E+09	7,773872E+08
505	4,666712E+08	2,309952E+08	1,143786E+08	1,143784E+08	2,309970E+08	4,666751E+08	7,773873E+08	1,079867E+09	1,273944E+09	1,273960E+09	1,079900E+09	7,774226E+08
506	4,667096E+08	2,310250E+08	1,143965E+08	1,143966E+08	2,310268E+08	4,667172E+08	7,774290E+08	1,079888E+09	1,273933E+09	1,273928E+09	1,079869E+09	7,773928E+08
507	4,666796E+08	2,310063E+08	1,143928E+08	1,143981E+08	2,310204E+08	4,666983E+08	7,774096E+08	1,079879E+09	1,273932E+09	1,273928E+09	1,079866E+09	7,773980E+08
508	4,666945E+08	2,310217E+08	1,144008E+08	1,143963E+08	2,310118E+08	4,666882E+08	7,774021E+08	1,079877E+09	1,273936E+09	1,273938E+09	1,079886E+09	7,774247E+08
509	4,667162E+08	2,310287E+08	1,144003E+08	1,144020E+08	2,310302E+08	4,667123E+08	7,774228E+08	1,079894E+09	1,273948E+09	1,273934E+09	1,079861E+09	7,773829E+08
510	4,666756E+08	2,310052E+08	1,143891E+08	1,143886E+08	2,310034E+08	4,666751E+08	7,773849E+08	1,079867E+09	1,273946E+09	1,273962E+09	1,079901E+09	7,774203E+08
511	4,667026E+08	2,310189E+08	1,143901E+08	1,143836E+08	2,310029E+08	4,666878E+08	7,774087E+08	1,079888E+09	1,273959E+09	1,273972E+09	1,079915E+09	7,774298E+08
512	4,666950E+08	2,309985E+08	1,143738E+08	1,143781E+08	2,310071E+08	4,666974E+08	7,774280E+08	1,079920E+09	1,273985E+09	1,273973E+09	1,079888E+09	7,773911E+08
513	4,666633E+08	2,309772E+08	1,143569E+08	1,143563E+08	2,309778E+08	4,666688E+08	7,774028E+08	1,079905E+09	1,273995E+09	1,274008E+09	1,079933E+09	7,774318E+08
514	4,666934E+08	2,309917E+08	1,143561E+08	1,143525E+08	2,309837E+08	4,666940E+08	7,774445E+08	1,079947E+09	1,274021E+09	1,274013E+09	1,079926E+09	7,774156E+08
515	4,666651E+08	2,309637E+08	1,143397E+08	1,143435E+08	2,309715E+08	4,666740E+08	7,774326E+08	1,079958E+09	1,274051E+09	1,274037E+09	1,079926E+09	7,774048E+08
516	4,666595E+08	2,309623E+08	1,143368E+08	1,143336E+08	2,309552E+08	4,666535E+08	7,774079E+08	1,079938E+09	1,274049E+09	1,274059E+09	1,079964E+09	7,774418E+08
517	4,666875E+08	2,309769E+08	1,143420E+08	1,143436E+08	2,309809E+08	4,666909E+08	7,774375E+08	1,079946E+09	1,274035E+09	1,274034E+09	1,079935E+09	7,774080E+08
518	4,666539E+08	2,309577E+08	1,143374E+08	1,143408E+08	2,309673E+08	4,666683E+08	7,774144E+08	1,079923E+09	1,274015E+09	1,274023E+09	1,079940E+09	7,774287E+08
519	4,666813E+08	2,309826E+08	1,143542E+08	1,143500E+08	2,309727E+08	4,666715E+08	7,774174E+08	1,079920E+09	1,273998E+09	1,274002E+09	1,079934E+09	7,774426E+08
520	4,667005E+08	2,309944E+08	1,143646E+08	1,143685E+08	2,310002E+08	4,666963E+08	7,774346E+08	1,079931E+09	1,273989E+09	1,273962E+09	1,079872E+09	7,773832E+08
521	4,666672E+08	2,309891E+08	1,143724E+08	1,143743E+08	2,309933E+08	4,666716E+08	7,773880E+08	1,079874E+09	1,273951E+09	1,273955E+09	1,079888E+09	7,774104E+08
522	4,667039E+08	2,310273E+08	1,143997E+08	1,143958E+08	2,310179E+08	4,666993E+08	7,774073E+08	1,079868E+09	1,273917E+09	1,273918E+09	1,079869E+09	7,774043E+08
523	4,666956E+08	2,310218E+08	1,144066E+08	1,144134E+08	2,310384E+08	4,667101E+08	7,774076E+08	1,079862E+09	1,273903E+09	1,273893E+09	1,079831E+09	7,773728E+08
524	4,666849E+08	2,310280E+08	1,144174E+08	1,144172E+08	2,310304E+08	4,666915E+08	7,773787E+08	1,079827E+09	1,273875E+09	1,273888E+09	1,079856E+09	7,774130E+08
525	4,667262E+08	2,310576E+08	1,144335E+08	1,144337E+08	2,310595E+08	4,667305E+08	7,774123E+08	1,079840E+09	1,273860E+09	1,273852E+09	1,079818E+09	7,773804E+08
526	4,666983E+08	2,310419E+08	1,144314E+08	1,144349E+08	2,310504E+08	4,667095E+08	7,773932E+08	1,079834E+09	1,273864E+09	1,273855E+09	1,079816E+09	7,773840E+08
527	4,667110E+08	2,310560E+08	1,144389E+08	1,144328E+08	2,310398E+08	4,666922E+08	7,773750E+08	1,079822E+09	1,273866E+09	1,273875E+09	1,079847E+09	7,774132E+08
528	4,667307E+08	2,310613E+08	1,144380E+08	1,144392E+08	2,310611E+08	4,667222E+08	7,774032E+08	1,079843E+09	1,273873E+09	1,273861E+09	1,079813E+09	7,773659E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,666847E+08	2,310321E+08	1,144229E+08	1,144244E+08	2,310375E+08	4,666947E+08	7,773741E+08	1,079818E+09	1,273871E+09	1,273887E+09	1,079851E+09	7,774005E+08
530	4,667089E+08	2,310439E+08	1,144214E+08	1,144160E+08	2,310326E+08	4,667037E+08	7,773989E+08	1,079843E+09	1,273881E+09	1,273891E+09	1,079863E+09	7,774145E+08
531	4,667069E+08	2,310252E+08	1,144047E+08	1,144095E+08	2,310361E+08	4,667136E+08	7,774207E+08	1,079884E+09	1,273928E+09	1,273910E+09	1,079840E+09	7,773737E+08
532	4,666746E+08	2,310049E+08	1,143879E+08	1,143859E+08	2,310010E+08	4,666760E+08	7,773909E+08	1,079875E+09	1,273950E+09	1,273956E+09	1,079892E+09	7,774161E+08
533	4,667036E+08	2,310195E+08	1,143885E+08	1,143848E+08	2,310113E+08	4,667005E+08	7,774198E+08	1,079896E+09	1,273957E+09	1,273952E+09	1,079884E+09	7,774009E+08
534	4,666774E+08	2,309945E+08	1,143755E+08	1,143788E+08	2,310025E+08	4,666873E+08	7,774141E+08	1,079907E+09	1,273978E+09	1,273967E+09	1,079884E+09	7,773951E+08
535	4,666743E+08	2,309938E+08	1,143740E+08	1,143707E+08	2,309869E+08	4,666662E+08	7,773896E+08	1,079884E+09	1,273969E+09	1,273986E+09	1,079924E+09	7,774362E+08
536	4,667065E+08	2,310110E+08	1,143808E+08	1,143821E+08	2,310132E+08	4,667053E+08	7,774285E+08	1,079904E+09	1,273956E+09	1,273946E+09	1,079876E+09	7,773913E+08
537	4,666698E+08	2,309914E+08	1,143765E+08	1,143806E+08	2,310029E+08	4,666859E+08	7,774034E+08	1,079880E+09	1,273943E+09	1,273941E+09	1,079878E+09	7,774032E+08
538	4,666928E+08	2,310180E+08	1,143951E+08	1,143901E+08	2,310060E+08	4,666826E+08	7,773945E+08	1,079862E+09	1,273915E+09	1,273919E+09	1,079875E+09	7,774201E+08
539	4,667138E+08	2,310306E+08	1,144071E+08	1,144112E+08	2,310375E+08	4,667102E+08	7,774101E+08	1,079870E+09	1,273911E+09	1,273892E+09	1,079821E+09	7,773626E+08
540	4,666794E+08	2,310245E+08	1,144147E+08	1,144164E+08	2,310298E+08	4,666859E+08	7,773664E+08	1,079817E+09	1,273872E+09	1,273882E+09	1,079842E+09	7,773963E+08
541	4,667171E+08	2,310607E+08	1,144406E+08	1,144381E+08	2,310572E+08	4,667179E+08	7,773861E+08	1,079801E+09	1,273821E+09	1,273828E+09	1,079814E+09	7,773907E+08
542	4,667138E+08	2,310584E+08	1,144485E+08	1,144551E+08	2,310757E+08	4,667310E+08	7,773990E+08	1,079813E+09	1,273816E+09	1,273797E+09	1,079772E+09	7,773599E+08
543	4,667050E+08	2,310655E+08	1,144590E+08	1,144574E+08	2,310629E+08	4,667027E+08	7,773619E+08	1,079780E+09	1,273800E+09	1,273808E+09	1,079803E+09	7,773996E+08
544	4,667455E+08	2,310953E+08	1,144752E+08	1,144735E+08	2,310904E+08	4,667402E+08	7,773971E+08	1,079797E+09	1,273789E+09	1,273774E+09	1,079760E+09	7,773580E+08
545	4,667108E+08	2,310754E+08	1,144710E+08	1,144749E+08	2,310850E+08	4,667229E+08	7,773737E+08	1,079783E+09	1,273796E+09	1,273788E+09	1,079767E+09	7,773597E+08
546	4,667173E+08	2,310856E+08	1,144754E+08	1,144698E+08	2,310725E+08	4,667049E+08	7,773511E+08	1,079760E+09	1,273784E+09	1,273802E+09	1,079803E+09	7,773985E+08
547	4,667408E+08	2,310887E+08	1,144718E+08	1,144745E+08	2,310946E+08	4,667415E+08	7,773911E+08	1,079795E+09	1,273803E+09	1,273797E+09	1,079771E+09	7,773534E+08
548	4,666966E+08	2,310582E+08	1,144533E+08	1,144549E+08	2,310644E+08	4,667091E+08	7,773691E+08	1,079789E+09	1,273816E+09	1,273825E+09	1,079809E+09	7,773884E+08
549	4,667208E+08	2,310689E+08	1,144503E+08	1,144454E+08	2,310590E+08	4,667150E+08	7,773861E+08	1,079805E+09	1,273822E+09	1,273826E+09	1,079815E+09	7,773990E+08
550	4,667212E+08	2,310549E+08	1,144371E+08	1,144401E+08	2,310613E+08	4,667244E+08	7,774098E+08	1,079850E+09	1,273872E+09	1,273848E+09	1,079797E+09	7,773600E+08
551	4,666875E+08	2,310346E+08	1,144220E+08	1,144187E+08	2,310259E+08	4,666795E+08	7,773667E+08	1,079828E+09	1,273890E+09	1,273902E+09	1,079859E+09	7,774065E+08
552	4,667168E+08	2,310495E+08	1,144244E+08	1,144202E+08	2,310406E+08	4,667115E+08	7,774024E+08	1,079846E+09	1,273884E+09	1,273883E+09	1,079840E+09	7,773872E+08
553	4,666893E+08	2,310235E+08	1,144112E+08	1,144160E+08	2,310369E+08	4,667059E+08	7,774008E+08	1,079854E+09	1,273899E+09	1,273891E+09	1,079834E+09	7,773765E+08
554	4,666850E+08	2,310238E+08	1,144099E+08	1,144071E+08	2,310186E+08	4,666797E+08	7,773717E+08	1,079828E+09	1,273882E+09	1,273898E+09	1,079867E+09	7,774210E+08
555	4,667237E+08	2,310449E+08	1,144191E+08	1,144203E+08	2,310465E+08	4,667194E+08	7,774104E+08	1,079854E+09	1,273885E+09	1,273871E+09	1,079819E+09	7,773716E+08
556	4,666857E+08	2,310270E+08	1,144162E+08	1,144190E+08	2,310340E+08	4,666953E+08	7,773832E+08	1,079832E+09	1,273874E+09	1,273869E+09	1,079824E+09	7,773828E+08
557	4,667059E+08	2,310526E+08	1,144362E+08	1,144318E+08	2,310427E+08	4,666948E+08	7,773666E+08	1,079796E+09	1,273827E+09	1,273835E+09	1,079819E+09	7,774000E+08
558	4,667286E+08	2,310679E+08	1,144508E+08	1,144549E+08	2,310771E+08	4,667315E+08	7,773941E+08	1,079809E+09	1,273818E+09	1,273800E+09	1,079767E+09	7,773480E+08
559	4,666948E+08	2,310607E+08	1,144581E+08	1,144601E+08	2,310678E+08	4,667045E+08	7,773528E+08	1,079763E+09	1,273786E+09	1,273799E+09	1,079792E+09	7,773846E+08
560	4,667350E+08	2,310967E+08	1,144830E+08	1,144803E+08	2,310935E+08	4,667377E+08	7,773817E+08	1,079761E+09	1,273743E+09	1,273740E+09	1,079751E+09	7,773702E+08
561	4,667295E+08	2,310936E+08	1,144894E+08	1,144964E+08	2,311120E+08	4,667494E+08	7,773891E+08	1,079774E+09	1,273752E+09	1,273724E+09	1,079714E+09	7,773342E+08
562	4,667162E+08	2,310999E+08	1,144988E+08	1,144965E+08	2,310945E+08	4,667119E+08	7,773388E+08	1,079726E+09	1,273727E+09	1,273737E+09	1,079754E+09	7,773825E+08
563	4,667593E+08	2,311288E+08	1,145143E+08	1,145127E+08	2,311236E+08	4,667501E+08	7,773700E+08	1,079740E+09	1,273722E+09	1,273715E+09	1,079720E+09	7,773439E+08
564	4,667233E+08	2,311060E+08	1,145071E+08	1,145110E+08	2,311161E+08	4,667348E+08	7,773526E+08	1,079729E+09	1,273723E+09	1,273724E+09	1,079729E+09	7,773502E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
565	4,667302E+08	2,311131E+08	1,145086E+08	1,145043E+08	2,311046E+08	4,667202E+08	7,773329E+08	1,079700E+09	1,273696E+09	1,273720E+09	1,079754E+09	7,773869E+08
566	4,667574E+08	2,311192E+08	1,145052E+08	1,145070E+08	2,311232E+08	4,667580E+08	7,773844E+08	1,079754E+09	1,273728E+09	1,273713E+09	1,079719E+09	7,773409E+08
567	4,667129E+08	2,310895E+08	1,144873E+08	1,144871E+08	2,310895E+08	4,667171E+08	7,773550E+08	1,079752E+09	1,273759E+09	1,273761E+09	1,079762E+09	7,773732E+08
568	4,667351E+08	2,310997E+08	1,144850E+08	1,144783E+08	2,310843E+08	4,667232E+08	7,773729E+08	1,079768E+09	1,273764E+09	1,273761E+09	1,079762E+09	7,773745E+08
569	4,667292E+08	2,310835E+08	1,144720E+08	1,144756E+08	2,310921E+08	4,667370E+08	7,773929E+08	1,079805E+09	1,273813E+09	1,273791E+09	1,079753E+09	7,773368E+08
570	4,666926E+08	2,310615E+08	1,144559E+08	1,144536E+08	2,310570E+08	4,666927E+08	7,773465E+08	1,079771E+09	1,273812E+09	1,273835E+09	1,079820E+09	7,773954E+08
571	4,667284E+08	2,310768E+08	1,144581E+08	1,144554E+08	2,310726E+08	4,667278E+08	7,773879E+08	1,079798E+09	1,273816E+09	1,273819E+09	1,079799E+09	7,773767E+08
572	4,667043E+08	2,310524E+08	1,144445E+08	1,144494E+08	2,310657E+08	4,667197E+08	7,773908E+08	1,079816E+09	1,273836E+09	1,273824E+09	1,079789E+09	7,773646E+08
573	4,667008E+08	2,310543E+08	1,144447E+08	1,144424E+08	2,310495E+08	4,666914E+08	7,773512E+08	1,079774E+09	1,273805E+09	1,273819E+09	1,079811E+09	7,774031E+08
574	4,667413E+08	2,310813E+08	1,144589E+08	1,144585E+08	2,310782E+08	4,667324E+08	7,773930E+08	1,079803E+09	1,273806E+09	1,273788E+09	1,079765E+09	7,773542E+08
575	4,667012E+08	2,310639E+08	1,144589E+08	1,144613E+08	2,310687E+08	4,667059E+08	7,773582E+08	1,079774E+09	1,273793E+09	1,273792E+09	1,079775E+09	7,773669E+08
576	4,667207E+08	2,310883E+08	1,144795E+08	1,144754E+08	2,310811E+08	4,667149E+08	7,773535E+08	1,079738E+09	1,273736E+09	1,273745E+09	1,079758E+09	7,773775E+08
577	4,667412E+08	2,311025E+08	1,144936E+08	1,144994E+08	2,311183E+08	4,667568E+08	7,773873E+08	1,079759E+09	1,273732E+09	1,273712E+09	1,079706E+09	7,773241E+08
578	4,667073E+08	2,310956E+08	1,144994E+08	1,145018E+08	2,311036E+08	4,667213E+08	7,773392E+08	1,079712E+09	1,273702E+09	1,273710E+09	1,079733E+09	7,773673E+08
579	4,667525E+08	2,311332E+08	1,145243E+08	1,145214E+08	2,311277E+08	4,667505E+08	7,773624E+08	1,079715E+09	1,273681E+09	1,273672E+09	1,079699E+09	7,773512E+08
580	4,667460E+08	2,311302E+08	1,145300E+08	1,145356E+08	2,311429E+08	4,667572E+08	7,773657E+08	1,079724E+09	1,273688E+09	1,273663E+09	1,079671E+09	7,773184E+08
581	4,667303E+08	2,311332E+08	1,145378E+08	1,145360E+08	2,311287E+08	4,667214E+08	7,773075E+08	1,079657E+09	1,273641E+09	1,273662E+09	1,079709E+09	7,773691E+08
582	4,667755E+08	2,311633E+08	1,145534E+08	1,145513E+08	2,311577E+08	4,667671E+08	7,773531E+08	1,079681E+09	1,273633E+09	1,273631E+09	1,079675E+09	7,773355E+08
583	4,667394E+08	2,311384E+08	1,145444E+08	1,145481E+08	2,311474E+08	4,667486E+08	7,773388E+08	1,079679E+09	1,273644E+09	1,273646E+09	1,079683E+09	7,773399E+08
584	4,667465E+08	2,311438E+08	1,145434E+08	1,145386E+08	2,311340E+08	4,667375E+08	7,773305E+08	1,079665E+09	1,273628E+09	1,273641E+09	1,079694E+09	7,773639E+08
585	4,667687E+08	2,311489E+08	1,145393E+08	1,145409E+08	2,311528E+08	4,667742E+08	7,773783E+08	1,079721E+09	1,273674E+09	1,273651E+09	1,079667E+09	7,773134E+08
586	4,667189E+08	2,311170E+08	1,145198E+08	1,145193E+08	2,311154E+08	4,667246E+08	7,773367E+08	1,079709E+09	1,273700E+09	1,273704E+09	1,079722E+09	7,773557E+08
587	4,667432E+08	2,311258E+08	1,145174E+08	1,145118E+08	2,311132E+08	4,667326E+08	7,773506E+08	1,079723E+09	1,273713E+09	1,273715E+09	1,079730E+09	7,773616E+08
588	4,667383E+08	2,311087E+08	1,145029E+08	1,145073E+08	2,311199E+08	4,667485E+08	7,773758E+08	1,079758E+09	1,273749E+09	1,273736E+09	1,079723E+09	7,773298E+08
589	4,667046E+08	2,310862E+08	1,144863E+08	1,144860E+08	2,310866E+08	4,667062E+08	7,773292E+08	1,079714E+09	1,273727E+09	1,273755E+09	1,079774E+09	7,773866E+08
590	4,667471E+08	2,311086E+08	1,144922E+08	1,144886E+08	2,311005E+08	4,667411E+08	7,773767E+08	1,079752E+09	1,273734E+09	1,273731E+09	1,079747E+09	7,773655E+08
591	4,667231E+08	2,310875E+08	1,144824E+08	1,144856E+08	2,310938E+08	4,667271E+08	7,773709E+08	1,079768E+09	1,273764E+09	1,273747E+09	1,079736E+09	7,773475E+08
592	4,667177E+08	2,310907E+08	1,144854E+08	1,144818E+08	2,310817E+08	4,667047E+08	7,773358E+08	1,079722E+09	1,273726E+09	1,273736E+09	1,079747E+09	7,773741E+08
593	4,667516E+08	2,311166E+08	1,145014E+08	1,145018E+08	2,311170E+08	4,667517E+08	7,773769E+08	1,079748E+09	1,273726E+09	1,273711E+09	1,079707E+09	7,773255E+08
594	4,667087E+08	2,310973E+08	1,145004E+08	1,145042E+08	2,311076E+08	4,667257E+08	7,773425E+08	1,079715E+09	1,273706E+09	1,273708E+09	1,079722E+09	7,773495E+08
595	4,667337E+08	2,311213E+08	1,145201E+08	1,145180E+08	2,311196E+08	4,667350E+08	7,773420E+08	1,079694E+09	1,273668E+09	1,273671E+09	1,079706E+09	7,773610E+08
596	4,667560E+08	2,311362E+08	1,145327E+08	1,145388E+08	2,311521E+08	4,667724E+08	7,773769E+08	1,079720E+09	1,273669E+09	1,273644E+09	1,079659E+09	7,773107E+08
597	4,667243E+08	2,311304E+08	1,145391E+08	1,145417E+08	2,311370E+08	4,667322E+08	7,773162E+08	1,079655E+09	1,273623E+09	1,273634E+09	1,079682E+09	7,773527E+08
598	4,667725E+08	2,311725E+08	1,145668E+08	1,145618E+08	2,311594E+08	4,667592E+08	7,773380E+08	1,079656E+09	1,273596E+09	1,273595E+09	1,079654E+09	7,773404E+08
599	4,667643E+08	2,311690E+08	1,145736E+08	1,145780E+08	2,311771E+08	4,667652E+08	7,773346E+08	1,079656E+09	1,273602E+09	1,273589E+09	1,079629E+09	7,773093E+08
600	4,667483E+08	2,311693E+08	1,145792E+08	1,145772E+08	2,311652E+08	4,667408E+08	7,772913E+08	1,079592E+09	1,273543E+09	1,273568E+09	1,079649E+09	7,773486E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,667883E+08	2,311959E+08	1,145922E+08	1,145912E+08	2,311943E+08	4,667893E+08	7,773465E+08	1,079632E+09	1,273547E+09	1,273541E+09	1,079612E+09	7,773105E+08
602	4,667499E+08	2,311690E+08	1,145798E+08	1,145840E+08	2,311787E+08	4,667640E+08	7,773297E+08	1,079638E+09	1,273570E+09	1,273563E+09	1,079625E+09	7,773193E+08
603	4,667579E+08	2,311729E+08	1,145773E+08	1,145726E+08	2,311626E+08	4,667483E+08	7,773171E+08	1,079634E+09	1,273583E+09	1,273585E+09	1,079646E+09	7,773407E+08
604	4,667761E+08	2,311761E+08	1,145713E+08	1,145726E+08	2,311787E+08	4,667824E+08	7,773634E+08	1,079686E+09	1,273627E+09	1,273606E+09	1,079634E+09	7,772984E+08
605	4,667265E+08	2,311417E+08	1,145506E+08	1,145515E+08	2,311438E+08	4,667337E+08	7,773135E+08	1,079654E+09	1,273630E+09	1,273646E+09	1,079688E+09	7,773457E+08
606	4,667554E+08	2,311534E+08	1,145491E+08	1,145435E+08	2,311408E+08	4,667462E+08	7,773378E+08	1,079674E+09	1,273637E+09	1,273647E+09	1,079697E+09	7,773582E+08
607	4,667538E+08	2,311377E+08	1,145357E+08	1,145398E+08	2,311465E+08	4,667583E+08	7,773613E+08	1,079714E+09	1,273680E+09	1,273667E+09	1,079683E+09	7,773240E+08
608	4,667229E+08	2,311171E+08	1,145199E+08	1,145188E+08	2,311149E+08	4,667214E+08	7,773218E+08	1,079673E+09	1,273655E+09	1,273673E+09	1,079714E+09	7,773649E+08
609	4,667608E+08	2,311414E+08	1,145290E+08	1,145250E+08	2,311314E+08	4,667552E+08	7,773651E+08	1,079710E+09	1,273667E+09	1,273659E+09	1,079689E+09	7,773383E+08
610	4,667328E+08	2,311205E+08	1,145205E+08	1,145238E+08	2,311255E+08	4,667370E+08	7,773497E+08	1,079715E+09	1,273688E+09	1,273674E+09	1,079685E+09	7,773270E+08
611	4,667279E+08	2,311228E+08	1,145249E+08	1,145228E+08	2,311182E+08	4,667190E+08	7,773141E+08	1,079671E+09	1,273660E+09	1,273670E+09	1,079701E+09	7,773540E+08
612	4,667606E+08	2,311478E+08	1,145399E+08	1,145416E+08	2,311531E+08	4,667706E+08	7,773641E+08	1,079696E+09	1,273650E+09	1,273639E+09	1,079664E+09	7,773128E+08
613	4,667222E+08	2,311284E+08	1,145384E+08	1,145441E+08	2,311434E+08	4,667426E+08	7,773267E+08	1,079658E+09	1,273615E+09	1,273621E+09	1,079668E+09	7,773369E+08
614	4,667541E+08	2,311590E+08	1,145610E+08	1,145578E+08	2,311526E+08	4,667491E+08	7,773284E+08	1,079645E+09	1,273583E+09	1,273584E+09	1,079654E+09	7,773501E+08
615	4,667773E+08	2,311771E+08	1,145768E+08	1,145807E+08	2,311839E+08	4,667781E+08	7,773498E+08	1,079663E+09	1,273591E+09	1,273567E+09	1,079609E+09	7,772973E+08
616	4,667448E+08	2,311714E+08	1,145844E+08	1,145854E+08	2,311730E+08	4,667457E+08	7,772935E+08	1,079590E+09	1,273531E+09	1,273545E+09	1,079622E+09	7,773295E+08
617	4,667868E+08	2,312112E+08	1,146120E+08	1,146075E+08	2,312000E+08	4,667777E+08	7,773172E+08	1,079591E+09	1,273504E+09	1,273509E+09	1,079597E+09	7,773161E+08
618	4,667749E+08	2,312032E+08	1,146147E+08	1,146203E+08	2,312153E+08	4,667844E+08	7,773187E+08	1,079595E+09	1,273506E+09	1,273498E+09	1,079573E+09	7,772925E+08
619	4,667611E+08	2,312005E+08	1,146168E+08	1,146164E+08	2,312011E+08	4,667603E+08	7,772838E+08	1,079556E+09	1,273480E+09	1,273493E+09	1,079593E+09	7,773273E+08
620	4,667983E+08	2,312244E+08	1,146255E+08	1,146248E+08	2,312237E+08	4,668047E+08	7,773415E+08	1,079604E+09	1,273495E+09	1,273480E+09	1,079566E+09	7,772927E+08
621	4,667600E+08	2,311958E+08	1,146115E+08	1,146160E+08	2,312056E+08	4,667731E+08	7,773142E+08	1,079598E+09	1,273512E+09	1,273503E+09	1,079581E+09	7,773030E+08
622	4,667700E+08	2,312023E+08	1,146100E+08	1,146044E+08	2,311878E+08	4,667552E+08	7,772999E+08	1,079592E+09	1,273521E+09	1,273529E+09	1,079615E+09	7,773327E+08
623	4,667877E+08	2,312051E+08	1,146051E+08	1,146057E+08	2,312051E+08	4,667873E+08	7,773375E+08	1,079634E+09	1,273562E+09	1,273552E+09	1,079607E+09	7,772955E+08
624	4,667418E+08	2,311705E+08	1,145836E+08	1,145842E+08	2,311730E+08	4,667501E+08	7,773010E+08	1,079599E+09	1,273547E+09	1,273568E+09	1,079641E+09	7,773328E+08
625	4,667691E+08	2,311829E+08	1,145829E+08	1,145775E+08	2,311707E+08	4,667613E+08	7,773279E+08	1,079629E+09	1,273560E+09	1,273567E+09	1,079643E+09	7,773389E+08
626	4,667669E+08	2,311684E+08	1,145694E+08	1,145732E+08	2,311743E+08	4,667680E+08	7,773452E+08	1,079668E+09	1,273606E+09	1,273587E+09	1,079627E+09	7,773060E+08
627	4,667370E+08	2,311491E+08	1,145559E+08	1,145548E+08	2,311451E+08	4,667307E+08	7,773032E+08	1,079635E+09	1,273601E+09	1,273608E+09	1,079659E+09	7,773393E+08
628	4,667687E+08	2,311717E+08	1,145652E+08	1,145616E+08	2,311629E+08	4,667666E+08	7,773478E+08	1,079665E+09	1,273605E+09	1,273599E+09	1,079646E+09	7,773197E+08
629	4,667412E+08	2,311496E+08	1,145574E+08	1,145628E+08	2,311613E+08	4,667527E+08	7,773296E+08	1,079655E+09	1,273604E+09	1,273597E+09	1,079639E+09	7,773125E+08
630	4,667410E+08	2,311554E+08	1,145634E+08	1,145619E+08	2,311531E+08	4,667380E+08	7,773040E+08	1,079620E+09	1,273572E+09	1,273588E+09	1,079658E+09	7,773455E+08
631	4,667765E+08	2,311825E+08	1,145802E+08	1,145817E+08	2,311868E+08	4,667845E+08	7,773497E+08	1,079649E+09	1,273573E+09	1,273562E+09	1,079618E+09	7,773050E+08
632	4,667436E+08	2,311664E+08	1,145800E+08	1,145846E+08	2,311785E+08	4,667606E+08	7,773143E+08	1,079606E+09	1,273533E+09	1,273532E+09	1,079605E+09	7,773150E+08
633	4,667712E+08	2,311987E+08	1,146054E+08	1,146012E+08	2,311884E+08	4,667622E+08	7,773091E+08	1,079592E+09	1,273504E+09	1,273503E+09	1,079594E+09	7,773253E+08
634	4,667916E+08	2,312158E+08	1,146211E+08	1,146248E+08	2,312205E+08	4,667883E+08	7,773220E+08	1,079598E+09	1,273502E+09	1,273483E+09	1,079556E+09	7,772804E+08
635	4,667597E+08	2,312079E+08	1,146279E+08	1,146302E+08	2,312130E+08	4,667611E+08	7,772695E+08	1,079532E+09	1,273453E+09	1,273465E+09	1,079567E+09	7,773095E+08
636	4,667976E+08	2,312433E+08	1,146513E+08	1,146481E+08	2,312373E+08	4,667980E+08	7,773060E+08	1,079539E+09	1,273420E+09	1,273426E+09	1,079546E+09	7,773010E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,667875E+08	2,312331E+08	1,146511E+08	1,146581E+08	2,312494E+08	4,668015E+08	7,773069E+08	1,079544E+09	1,273420E+09	1,273407E+09	1,079515E+09	7,772752E+08
638	4,667770E+08	2,312338E+08	1,146529E+08	1,146512E+08	2,312301E+08	4,667733E+08	7,772745E+08	1,079517E+09	1,273410E+09	1,273419E+09	1,079544E+09	7,773113E+08
639	4,668116E+08	2,312576E+08	1,146625E+08	1,146596E+08	2,312502E+08	4,668095E+08	7,773203E+08	1,079562E+09	1,273440E+09	1,273425E+09	1,079527E+09	7,772802E+08
640	4,667748E+08	2,312283E+08	1,146478E+08	1,146507E+08	2,312349E+08	4,667849E+08	7,772954E+08	1,079548E+09	1,273444E+09	1,273439E+09	1,079536E+09	7,772846E+08
641	4,667800E+08	2,312324E+08	1,146459E+08	1,146405E+08	2,312197E+08	4,667692E+08	7,772834E+08	1,079543E+09	1,273451E+09	1,273465E+09	1,079574E+09	7,773177E+08
642	4,667979E+08	2,312324E+08	1,146380E+08	1,146393E+08	2,312345E+08	4,668000E+08	7,773222E+08	1,079584E+09	1,273485E+09	1,273480E+09	1,079566E+09	7,772876E+08
643	4,667557E+08	2,311975E+08	1,146155E+08	1,146171E+08	2,312024E+08	4,667632E+08	7,772909E+08	1,079568E+09	1,273493E+09	1,273501E+09	1,079592E+09	7,773160E+08
644	4,667797E+08	2,312093E+08	1,146135E+08	1,146082E+08	2,311977E+08	4,667736E+08	7,773181E+08	1,079595E+09	1,273506E+09	1,273507E+09	1,079599E+09	7,773230E+08
645	4,667773E+08	2,311953E+08	1,146013E+08	1,146052E+08	2,312013E+08	4,667762E+08	7,773256E+08	1,079620E+09	1,273538E+09	1,273520E+09	1,079581E+09	7,772889E+08
646	4,667495E+08	2,311802E+08	1,145913E+08	1,145897E+08	2,311748E+08	4,667414E+08	7,772848E+08	1,079585E+09	1,273528E+09	1,273543E+09	1,079622E+09	7,773268E+08
647	4,667796E+08	2,312032E+08	1,146032E+08	1,145995E+08	2,311953E+08	4,667776E+08	7,773242E+08	1,079608E+09	1,273529E+09	1,273529E+09	1,079606E+09	7,773112E+08
648	4,667573E+08	2,311825E+08	1,145957E+08	1,146012E+08	2,311972E+08	4,667750E+08	7,773197E+08	1,079599E+09	1,273511E+09	1,273505E+09	1,079580E+09	7,772948E+08
649	4,667565E+08	2,311905E+08	1,146041E+08	1,146028E+08	2,311890E+08	4,667566E+08	7,772952E+08	1,079574E+09	1,273489E+09	1,273497E+09	1,079594E+09	7,773245E+08
650	4,667928E+08	2,312189E+08	1,146213E+08	1,146221E+08	2,312198E+08	4,667951E+08	7,773297E+08	1,079597E+09	1,273492E+09	1,273474E+09	1,079557E+09	7,772871E+08
651	4,667616E+08	2,312052E+08	1,146239E+08	1,146280E+08	2,312144E+08	4,667706E+08	7,772911E+08	1,079559E+09	1,273467E+09	1,273457E+09	1,079546E+09	7,772904E+08
652	4,667834E+08	2,312352E+08	1,146484E+08	1,146444E+08	2,312258E+08	4,667754E+08	7,772848E+08	1,079533E+09	1,273426E+09	1,273431E+09	1,079547E+09	7,773075E+08
653	4,668033E+08	2,312494E+08	1,146628E+08	1,146677E+08	2,312591E+08	4,668049E+08	7,772985E+08	1,079530E+09	1,273406E+09	1,273394E+09	1,079502E+09	7,772651E+08
654	4,667756E+08	2,312433E+08	1,146688E+08	1,146713E+08	2,312500E+08	4,667812E+08	7,772594E+08	1,079479E+09	1,273361E+09	1,273377E+09	1,079516E+09	7,772966E+08
655	4,668129E+08	2,312775E+08	1,146909E+08	1,146872E+08	2,312704E+08	4,668117E+08	7,772926E+08	1,079496E+09	1,273349E+09	1,273349E+09	1,079494E+09	7,772886E+08
656	4,668062E+08	2,312684E+08	1,146895E+08	1,146949E+08	2,312818E+08	4,668196E+08	7,772975E+08	1,079501E+09	1,273349E+09	1,273329E+09	1,079456E+09	7,772524E+08
657	4,667902E+08	2,312684E+08	1,146922E+08	1,146892E+08	2,312610E+08	4,667848E+08	7,772596E+08	1,079476E+09	1,273349E+09	1,273356E+09	1,079495E+09	7,772896E+08
658	4,668214E+08	2,312884E+08	1,146996E+08	1,146965E+08	2,312805E+08	4,668172E+08	7,772953E+08	1,079508E+09	1,273371E+09	1,273363E+09	1,079489E+09	7,772700E+08
659	4,667876E+08	2,312578E+08	1,146835E+08	1,146873E+08	2,312675E+08	4,667972E+08	7,772751E+08	1,079501E+09	1,273383E+09	1,273378E+09	1,079496E+09	7,772712E+08
660	4,667893E+08	2,312573E+08	1,146770E+08	1,146729E+08	2,312495E+08	4,667849E+08	7,772723E+08	1,079498E+09	1,273382E+09	1,273399E+09	1,079535E+09	7,773087E+08
661	4,668101E+08	2,312571E+08	1,146678E+08	1,146699E+08	2,312611E+08	4,668109E+08	7,773080E+08	1,079538E+09	1,273410E+09	1,273400E+09	1,079514E+09	7,772747E+08
662	4,667718E+08	2,312273E+08	1,146473E+08	1,146477E+08	2,312275E+08	4,667726E+08	7,772777E+08	1,079527E+09	1,273424E+09	1,273430E+09	1,079545E+09	7,772999E+08
663	4,667922E+08	2,312402E+08	1,146484E+08	1,146416E+08	2,312238E+08	4,667791E+08	7,772957E+08	1,079549E+09	1,273445E+09	1,273446E+09	1,079556E+09	7,773087E+08
664	4,667916E+08	2,312274E+08	1,146377E+08	1,146408E+08	2,312339E+08	4,667932E+08	7,773084E+08	1,079564E+09	1,273459E+09	1,273444E+09	1,079528E+09	7,772671E+08
665	4,667590E+08	2,312115E+08	1,146295E+08	1,146285E+08	2,312101E+08	4,667605E+08	7,772731E+08	1,079536E+09	1,273452E+09	1,273467E+09	1,079569E+09	7,773070E+08
666	4,667896E+08	2,312325E+08	1,146401E+08	1,146375E+08	2,312292E+08	4,667946E+08	7,773125E+08	1,079561E+09	1,273451E+09	1,273449E+09	1,079555E+09	7,772989E+08
667	4,667735E+08	2,312149E+08	1,146336E+08	1,146399E+08	2,312310E+08	4,667896E+08	7,773088E+08	1,079567E+09	1,273454E+09	1,273431E+09	1,079523E+09	7,772741E+08
668	4,667692E+08	2,312229E+08	1,146419E+08	1,146407E+08	2,312214E+08	4,667698E+08	7,772808E+08	1,079533E+09	1,273427E+09	1,273431E+09	1,079545E+09	7,773078E+08
669	4,668068E+08	2,312526E+08	1,146614E+08	1,146618E+08	2,312518E+08	4,668027E+08	7,773028E+08	1,079536E+09	1,273410E+09	1,273397E+09	1,079507E+09	7,772712E+08
670	4,667788E+08	2,312430E+08	1,146669E+08	1,146705E+08	2,312504E+08	4,667827E+08	7,772651E+08	1,079493E+09	1,273376E+09	1,273378E+09	1,079502E+09	7,772779E+08
671	4,667993E+08	2,312727E+08	1,146924E+08	1,146881E+08	2,312637E+08	4,667903E+08	7,772587E+08	1,079464E+09	1,273333E+09	1,273348E+09	1,079498E+09	7,772982E+08
672	4,668234E+08	2,312870E+08	1,147052E+08	1,147097E+08	2,312984E+08	4,668294E+08	7,772864E+08	1,079467E+09	1,273303E+09	1,273291E+09	1,079435E+09	7,772440E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
673	4,667924E+08	2,312810E+08	1,147117E+08	1,147136E+08	2,312868E+08	4,668006E+08	7,772511E+08	1,079435E+09	1,273281E+09	1,273284E+09	1,079447E+09	7,772715E+08
674	4,668270E+08	2,313125E+08	1,147314E+08	1,147271E+08	2,313031E+08	4,668231E+08	7,772751E+08	1,079450E+09	1,273280E+09	1,273272E+09	1,079437E+09	7,772680E+08
675	4,668205E+08	2,313032E+08	1,147299E+08	1,147349E+08	2,313147E+08	4,668295E+08	7,772793E+08	1,079465E+09	1,273297E+09	1,273269E+09	1,079407E+09	7,772292E+08
676	4,667978E+08	2,312979E+08	1,147287E+08	1,147266E+08	2,312941E+08	4,667989E+08	7,772422E+08	1,079429E+09	1,273287E+09	1,273302E+09	1,079461E+09	7,772772E+08
677	4,668297E+08	2,313140E+08	1,147326E+08	1,147307E+08	2,313106E+08	4,668302E+08	7,772763E+08	1,079451E+09	1,273291E+09	1,273293E+09	1,079451E+09	7,772624E+08
678	4,668026E+08	2,312857E+08	1,147154E+08	1,147194E+08	2,312959E+08	4,668119E+08	7,772652E+08	1,079455E+09	1,273308E+09	1,273310E+09	1,079459E+09	7,772641E+08
679	4,668046E+08	2,312855E+08	1,147085E+08	1,147036E+08	2,312749E+08	4,667935E+08	7,772554E+08	1,079456E+09	1,273320E+09	1,273334E+09	1,079491E+09	7,772989E+08
680	4,668278E+08	2,312873E+08	1,146996E+08	1,146999E+08	2,312871E+08	4,668241E+08	7,772938E+08	1,079492E+09	1,273341E+09	1,273327E+09	1,079458E+09	7,772524E+08
681	4,667837E+08	2,312587E+08	1,146828E+08	1,146820E+08	2,312557E+08	4,667831E+08	7,772630E+08	1,079485E+09	1,273362E+09	1,273364E+09	1,079492E+09	7,772768E+08
682	4,668003E+08	2,312682E+08	1,146834E+08	1,146773E+08	2,312543E+08	4,667890E+08	7,772735E+08	1,079497E+09	1,273374E+09	1,273379E+09	1,079511E+09	7,772933E+08
683	4,668028E+08	2,312567E+08	1,146739E+08	1,146782E+08	2,312677E+08	4,668097E+08	7,772959E+08	1,079523E+09	1,273395E+09	1,273375E+09	1,079479E+09	7,772487E+08
684	4,667678E+08	2,312386E+08	1,146638E+08	1,146644E+08	2,312431E+08	4,667795E+08	7,772660E+08	1,079494E+09	1,273381E+09	1,273396E+09	1,079523E+09	7,772931E+08
685	4,668019E+08	2,312611E+08	1,146749E+08	1,146727E+08	2,312584E+08	4,668056E+08	7,772959E+08	1,079513E+09	1,273374E+09	1,273367E+09	1,079500E+09	7,772838E+08
686	4,667924E+08	2,312507E+08	1,146727E+08	1,146776E+08	2,312615E+08	4,667993E+08	7,772881E+08	1,079514E+09	1,273379E+09	1,273360E+09	1,079476E+09	7,772583E+08
687	4,667864E+08	2,312610E+08	1,146850E+08	1,146823E+08	2,312544E+08	4,667764E+08	7,772495E+08	1,079470E+09	1,273349E+09	1,273360E+09	1,079500E+09	7,772953E+08
688	4,668265E+08	2,312922E+08	1,147057E+08	1,147054E+08	2,312911E+08	4,668213E+08	7,772778E+08	1,079464E+09	1,273310E+09	1,273304E+09	1,079448E+09	7,772513E+08
689	4,667947E+08	2,312823E+08	1,147132E+08	1,147170E+08	2,312922E+08	4,668053E+08	7,772513E+08	1,079432E+09	1,273279E+09	1,273282E+09	1,079438E+09	7,772568E+08
690	4,668137E+08	2,313079E+08	1,147353E+08	1,147322E+08	2,313031E+08	4,668110E+08	7,772473E+08	1,079411E+09	1,273243E+09	1,273253E+09	1,079436E+09	7,772798E+08
691	4,668407E+08	2,313235E+08	1,147472E+08	1,147522E+08	2,313358E+08	4,668483E+08	7,772795E+08	1,079435E+09	1,273240E+09	1,273211E+09	1,079371E+09	7,772177E+08
692	4,668031E+08	2,313137E+08	1,147506E+08	1,147527E+08	2,313205E+08	4,668170E+08	7,772414E+08	1,079399E+09	1,273223E+09	1,273223E+09	1,079400E+09	7,772512E+08
693	4,668362E+08	2,313425E+08	1,147688E+08	1,147646E+08	2,313334E+08	4,668316E+08	7,772531E+08	1,079400E+09	1,273211E+09	1,273208E+09	1,079394E+09	7,772537E+08
694	4,668347E+08	2,313355E+08	1,147672E+08	1,147722E+08	2,313463E+08	4,668398E+08	7,772554E+08	1,079406E+09	1,273223E+09	1,273210E+09	1,079376E+09	7,772214E+08
695	4,668117E+08	2,313282E+08	1,147645E+08	1,147622E+08	2,313244E+08	4,668100E+08	7,772195E+08	1,079370E+09	1,273210E+09	1,273235E+09	1,079427E+09	7,772743E+08
696	4,668492E+08	2,313447E+08	1,147660E+08	1,147633E+08	2,313401E+08	4,668471E+08	7,772629E+08	1,079396E+09	1,273203E+09	1,273205E+09	1,079396E+09	7,772471E+08
697	4,668190E+08	2,313177E+08	1,147500E+08	1,147527E+08	2,313232E+08	4,668236E+08	7,772537E+08	1,079414E+09	1,273237E+09	1,273228E+09	1,079397E+09	7,772423E+08
698	4,668176E+08	2,313154E+08	1,147422E+08	1,147364E+08	2,313012E+08	4,668011E+08	7,772368E+08	1,079412E+09	1,273256E+09	1,273265E+09	1,079438E+09	7,772780E+08
699	4,668398E+08	2,313181E+08	1,147349E+08	1,147349E+08	2,313161E+08	4,668334E+08	7,772775E+08	1,079457E+09	1,273288E+09	1,273267E+09	1,079409E+09	7,772266E+08
700	4,667881E+08	2,312847E+08	1,147160E+08	1,147169E+08	2,312880E+08	4,668001E+08	7,772514E+08	1,079444E+09	1,273302E+09	1,273308E+09	1,079455E+09	7,772600E+08
701	4,668048E+08	2,312912E+08	1,147151E+08	1,147109E+08	2,312846E+08	4,668047E+08	7,772615E+08	1,079449E+09	1,273300E+09	1,273309E+09	1,079469E+09	7,772813E+08
702	4,668156E+08	2,312846E+08	1,147069E+08	1,147120E+08	2,312975E+08	4,668254E+08	7,772876E+08	1,079481E+09	1,273326E+09	1,273311E+09	1,079442E+09	7,772388E+08
703	4,667834E+08	2,312696E+08	1,146989E+08	1,146990E+08	2,312715E+08	4,667897E+08	7,772489E+08	1,079450E+09	1,273319E+09	1,273332E+09	1,079481E+09	7,772845E+08
704	4,668228E+08	2,312970E+08	1,147127E+08	1,147087E+08	2,312885E+08	4,668179E+08	7,772750E+08	1,079455E+09	1,273293E+09	1,273289E+09	1,079446E+09	7,772648E+08
705	4,668100E+08	2,312899E+08	1,147163E+08	1,147199E+08	2,312960E+08	4,668104E+08	7,772645E+08	1,079455E+09	1,273297E+09	1,273280E+09	1,079420E+09	7,772388E+08
706	4,668018E+08	2,312978E+08	1,147289E+08	1,147270E+08	2,312934E+08	4,667910E+08	7,772220E+08	1,079400E+09	1,273254E+09	1,273272E+09	1,079445E+09	7,772796E+08
707	4,668435E+08	2,313295E+08	1,147499E+08	1,147508E+08	2,313320E+08	4,668424E+08	7,772652E+08	1,079411E+09	1,273222E+09	1,273211E+09	1,079384E+09	7,772283E+08
708	4,668067E+08	2,313160E+08	1,147545E+08	1,147602E+08	2,313321E+08	4,668297E+08	7,772472E+08	1,079388E+09	1,273196E+09	1,273192E+09	1,079377E+09	7,772350E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
709	4,668253E+08	2,313401E+08	1,147747E+08	1,147719E+08	2,313363E+08	4,668252E+08	7,772335E+08	1,079364E+09	1,273164E+09	1,273165E+09	1,079372E+09	7,772565E+08
710	4,668560E+08	2,313601E+08	1,147883E+08	1,147922E+08	2,313683E+08	4,668599E+08	7,772615E+08	1,079385E+09	1,273172E+09	1,273147E+09	1,079326E+09	7,771995E+08
711	4,668176E+08	2,313499E+08	1,147920E+08	1,147930E+08	2,313528E+08	4,668247E+08	7,772139E+08	1,079342E+09	1,273155E+09	1,273163E+09	1,079363E+09	7,772407E+08
712	4,668534E+08	2,313774E+08	1,148079E+08	1,148029E+08	2,313673E+08	4,668466E+08	7,772291E+08	1,079334E+09	1,273124E+09	1,273130E+09	1,079348E+09	7,772400E+08
713	4,668504E+08	2,313700E+08	1,148066E+08	1,148111E+08	2,313799E+08	4,668560E+08	7,772413E+08	1,079353E+09	1,273141E+09	1,273129E+09	1,079326E+09	7,772089E+08
714	4,668272E+08	2,313584E+08	1,147996E+08	1,147978E+08	2,313551E+08	4,668229E+08	7,772043E+08	1,079322E+09	1,273132E+09	1,273156E+09	1,079375E+09	7,772610E+08
715	4,668656E+08	2,313759E+08	1,148003E+08	1,147973E+08	2,313683E+08	4,668586E+08	7,772538E+08	1,079366E+09	1,273145E+09	1,273135E+09	1,079340E+09	7,772229E+08
716	4,668271E+08	2,313452E+08	1,147825E+08	1,147855E+08	2,313513E+08	4,668367E+08	7,772443E+08	1,079380E+09	1,273183E+09	1,273171E+09	1,079353E+09	7,772202E+08
717	4,668217E+08	2,313397E+08	1,147736E+08	1,147686E+08	2,313278E+08	4,668093E+08	7,772180E+08	1,079366E+09	1,273192E+09	1,273204E+09	1,079396E+09	7,772595E+08
718	4,668480E+08	2,313452E+08	1,147677E+08	1,147686E+08	2,313466E+08	4,668474E+08	7,772607E+08	1,079404E+09	1,273221E+09	1,273214E+09	1,079379E+09	7,772165E+08
719	4,667990E+08	2,313116E+08	1,147487E+08	1,147504E+08	2,313177E+08	4,668145E+08	7,772372E+08	1,079395E+09	1,273233E+09	1,273246E+09	1,079421E+09	7,772551E+08
720	4,668221E+08	2,313204E+08	1,147474E+08	1,147433E+08	2,313138E+08	4,668210E+08	7,772506E+08	1,079401E+09	1,273219E+09	1,273226E+09	1,079416E+09	7,772670E+08
721	4,668332E+08	2,313190E+08	1,147442E+08	1,147479E+08	2,313262E+08	4,668357E+08	7,772735E+08	1,079438E+09	1,273254E+09	1,273230E+09	1,079383E+09	7,772207E+08
722	4,667999E+08	2,313042E+08	1,147382E+08	1,147378E+08	2,313026E+08	4,667977E+08	7,772247E+08	1,079395E+09	1,273242E+09	1,273255E+09	1,079428E+09	7,772664E+08
723	4,668400E+08	2,313351E+08	1,147556E+08	1,147514E+08	2,313238E+08	4,668291E+08	7,772540E+08	1,079404E+09	1,273217E+09	1,273212E+09	1,079391E+09	7,772405E+08
724	4,668197E+08	2,313240E+08	1,147581E+08	1,147636E+08	2,313363E+08	4,668319E+08	7,772499E+08	1,079397E+09	1,273211E+09	1,273199E+09	1,079368E+09	7,772191E+08
725	4,668110E+08	2,313294E+08	1,147692E+08	1,147690E+08	2,313312E+08	4,668112E+08	7,772099E+08	1,079344E+09	1,273162E+09	1,273180E+09	1,079386E+09	7,772605E+08
726	4,668586E+08	2,313645E+08	1,147904E+08	1,147921E+08	2,313686E+08	4,668615E+08	7,772547E+08	1,079362E+09	1,273142E+09	1,273132E+09	1,079331E+09	7,772104E+08
727	4,668227E+08	2,313519E+08	1,147951E+08	1,148001E+08	2,313653E+08	4,668427E+08	7,772317E+08	1,079343E+09	1,273129E+09	1,273121E+09	1,079327E+09	7,772202E+08
728	4,668439E+08	2,313774E+08	1,148152E+08	1,148111E+08	2,313692E+08	4,668380E+08	7,772135E+08	1,079309E+09	1,273085E+09	1,273089E+09	1,079319E+09	7,772366E+08
729	4,668713E+08	2,313988E+08	1,148320E+08	1,148346E+08	2,314024E+08	4,668694E+08	7,772371E+08	1,079328E+09	1,273094E+09	1,273072E+09	1,079278E+09	7,771853E+08
730	4,668330E+08	2,313850E+08	1,148337E+08	1,148352E+08	2,313891E+08	4,668376E+08	7,771873E+08	1,079275E+09	1,273067E+09	1,273087E+09	1,079320E+09	7,772318E+08
731	4,668714E+08	2,314123E+08	1,148476E+08	1,148430E+08	2,314017E+08	4,668622E+08	7,772161E+08	1,079284E+09	1,273040E+09	1,273047E+09	1,079294E+09	7,772223E+08
732	4,668625E+08	2,314000E+08	1,148420E+08	1,148475E+08	2,314127E+08	4,668740E+08	7,772339E+08	1,079311E+09	1,273066E+09	1,273049E+09	1,079272E+09	7,771900E+08
733	4,668369E+08	2,313861E+08	1,148323E+08	1,148305E+08	2,313821E+08	4,668328E+08	7,771898E+08	1,079279E+09	1,273062E+09	1,273077E+09	1,079317E+09	7,772386E+08
734	4,668765E+08	2,314055E+08	1,148338E+08	1,148304E+08	2,313956E+08	4,668677E+08	7,772366E+08	1,079320E+09	1,273086E+09	1,273081E+09	1,079300E+09	7,772043E+08
735	4,668359E+08	2,313735E+08	1,148159E+08	1,148188E+08	2,313798E+08	4,668465E+08	7,772260E+08	1,079335E+09	1,273125E+09	1,273119E+09	1,079321E+09	7,772093E+08
736	4,668331E+08	2,313670E+08	1,148052E+08	1,148009E+08	2,313584E+08	4,668264E+08	7,772045E+08	1,079315E+09	1,273117E+09	1,273135E+09	1,079355E+09	7,772459E+08
737	4,668586E+08	2,313739E+08	1,148016E+08	1,148027E+08	2,313765E+08	4,668635E+08	7,772541E+08	1,079365E+09	1,273152E+09	1,273141E+09	1,079334E+09	7,772065E+08
738	4,668138E+08	2,313398E+08	1,147815E+08	1,147839E+08	2,313468E+08	4,668269E+08	7,772247E+08	1,079354E+09	1,273167E+09	1,273176E+09	1,079375E+09	7,772439E+08
739	4,668396E+08	2,313527E+08	1,147824E+08	1,147776E+08	2,313410E+08	4,668299E+08	7,772393E+08	1,079368E+09	1,273161E+09	1,273158E+09	1,079364E+09	7,772459E+08
740	4,668444E+08	2,313508E+08	1,147808E+08	1,147846E+08	2,313568E+08	4,668470E+08	7,772577E+08	1,079394E+09	1,273190E+09	1,273165E+09	1,079338E+09	7,772016E+08
741	4,668088E+08	2,313353E+08	1,147763E+08	1,147764E+08	2,313348E+08	4,668063E+08	7,771982E+08	1,079334E+09	1,273158E+09	1,273176E+09	1,079377E+09	7,772484E+08
742	4,668529E+08	2,313693E+08	1,147962E+08	1,147930E+08	2,313612E+08	4,668457E+08	7,772315E+08	1,079336E+09	1,273128E+09	1,273137E+09	1,079347E+09	7,772272E+08
743	4,668349E+08	2,313588E+08	1,147990E+08	1,148051E+08	2,313737E+08	4,668508E+08	7,772353E+08	1,079339E+09	1,273121E+09	1,273113E+09	1,079316E+09	7,772068E+08
744	4,668300E+08	2,313657E+08	1,148092E+08	1,148090E+08	2,313670E+08	4,668296E+08	7,771968E+08	1,079289E+09	1,273069E+09	1,273080E+09	1,079318E+09	7,772375E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,668752E+08	2,314045E+08	1,148347E+08	1,148346E+08	2,314031E+08	4,668745E+08	7,772392E+08	1,079315E+09	1,273065E+09	1,273043E+09	1,079266E+09	7,771890E+08
746	4,668399E+08	2,313909E+08	1,148398E+08	1,148442E+08	2,314011E+08	4,668523E+08	7,772056E+08	1,079285E+09	1,273052E+09	1,273046E+09	1,079274E+09	7,772018E+08
747	4,668609E+08	2,314170E+08	1,148604E+08	1,148560E+08	2,314063E+08	4,668504E+08	7,771934E+08	1,079257E+09	1,273008E+09	1,273013E+09	1,079268E+09	7,772159E+08
748	4,668814E+08	2,314327E+08	1,148741E+08	1,148782E+08	2,314422E+08	4,668903E+08	7,772233E+08	1,079272E+09	1,273010E+09	1,272995E+09	1,079233E+09	7,771707E+08
749	4,668430E+08	2,314150E+08	1,148714E+08	1,148741E+08	2,314237E+08	4,668549E+08	7,771746E+08	1,079222E+09	1,272980E+09	1,272999E+09	1,079266E+09	7,772169E+08
750	4,668861E+08	2,314434E+08	1,148832E+08	1,148792E+08	2,314340E+08	4,668777E+08	7,772034E+08	1,079237E+09	1,272971E+09	1,272979E+09	1,079248E+09	7,772076E+08
751	4,668767E+08	2,314307E+08	1,148758E+08	1,148805E+08	2,314405E+08	4,668848E+08	7,772198E+08	1,079271E+09	1,273007E+09	1,272988E+09	1,079228E+09	7,771759E+08
752	4,668512E+08	2,314161E+08	1,148648E+08	1,148622E+08	2,314094E+08	4,668431E+08	7,771728E+08	1,079233E+09	1,272996E+09	1,273010E+09	1,079270E+09	7,772185E+08
753	4,668860E+08	2,314359E+08	1,148691E+08	1,148650E+08	2,314246E+08	4,668773E+08	7,772188E+08	1,079276E+09	1,273022E+09	1,273015E+09	1,079257E+09	7,771919E+08
754	4,668471E+08	2,314008E+08	1,148495E+08	1,148534E+08	2,314109E+08	4,668600E+08	7,772088E+08	1,079285E+09	1,273055E+09	1,273055E+09	1,079283E+09	7,772011E+08
755	4,668474E+08	2,313956E+08	1,148384E+08	1,148343E+08	2,313872E+08	4,668415E+08	7,772006E+08	1,079281E+09	1,273049E+09	1,273063E+09	1,079307E+09	7,772299E+08
756	4,668686E+08	2,314006E+08	1,148335E+08	1,148351E+08	2,314047E+08	4,668774E+08	7,772470E+08	1,079331E+09	1,273089E+09	1,273071E+09	1,079286E+09	7,771900E+08
757	4,668239E+08	2,313681E+08	1,148144E+08	1,148159E+08	2,313724E+08	4,668334E+08	7,772054E+08	1,079309E+09	1,273099E+09	1,273103E+09	1,079322E+09	7,772251E+08
758	4,668532E+08	2,313856E+08	1,148194E+08	1,148138E+08	2,313706E+08	4,668360E+08	7,772109E+08	1,079309E+09	1,273093E+09	1,273100E+09	1,079323E+09	7,772296E+08
759	4,668572E+08	2,313840E+08	1,148194E+08	1,148228E+08	2,313896E+08	4,668574E+08	7,772321E+08	1,079334E+09	1,273112E+09	1,273096E+09	1,079297E+09	7,771909E+08
760	4,668245E+08	2,313690E+08	1,148150E+08	1,148159E+08	2,313720E+08	4,668258E+08	7,771812E+08	1,079271E+09	1,273062E+09	1,273084E+09	1,079321E+09	7,772311E+08
761	4,668671E+08	2,314049E+08	1,148380E+08	1,148348E+08	2,313980E+08	4,668645E+08	7,772219E+08	1,079287E+09	1,273040E+09	1,273040E+09	1,079284E+09	7,772116E+08
762	4,668522E+08	2,313943E+08	1,148404E+08	1,148470E+08	2,314107E+08	4,668680E+08	7,772223E+08	1,079292E+09	1,273043E+09	1,273027E+09	1,079257E+09	7,771884E+08
763	4,668481E+08	2,314045E+08	1,148523E+08	1,148510E+08	2,314013E+08	4,668442E+08	7,771873E+08	1,079250E+09	1,272999E+09	1,273002E+09	1,079257E+09	7,772110E+08
764	4,668851E+08	2,314400E+08	1,148777E+08	1,148780E+08	2,314401E+08	4,668894E+08	7,772226E+08	1,079267E+09	1,272994E+09	1,272973E+09	1,079217E+09	7,771685E+08
765	4,668496E+08	2,314251E+08	1,148820E+08	1,148871E+08	2,314380E+08	4,668645E+08	7,771793E+08	1,079222E+09	1,272967E+09	1,272967E+09	1,079226E+09	7,771873E+08
766	4,668756E+08	2,314519E+08	1,149020E+08	1,148988E+08	2,314448E+08	4,668670E+08	7,771695E+08	1,079189E+09	1,272923E+09	1,272943E+09	1,079228E+09	7,772066E+08
767	4,668980E+08	2,314662E+08	1,149128E+08	1,149169E+08	2,314763E+08	4,669067E+08	7,772093E+08	1,079219E+09	1,272926E+09	1,272913E+09	1,079185E+09	7,771627E+08
768	4,668630E+08	2,314487E+08	1,149074E+08	1,149096E+08	2,314549E+08	4,668691E+08	7,771605E+08	1,079172E+09	1,272895E+09	1,272906E+09	1,079202E+09	7,771964E+08
769	4,669013E+08	2,314784E+08	1,149214E+08	1,149154E+08	2,314628E+08	4,668869E+08	7,771872E+08	1,079195E+09	1,272901E+09	1,272897E+09	1,079189E+09	7,771885E+08
770	4,668909E+08	2,314634E+08	1,149132E+08	1,149171E+08	2,314710E+08	4,668938E+08	7,771977E+08	1,079222E+09	1,272941E+09	1,272924E+09	1,079182E+09	7,771582E+08
771	4,668635E+08	2,314478E+08	1,149014E+08	1,148982E+08	2,314399E+08	4,668563E+08	7,771612E+08	1,079194E+09	1,272933E+09	1,272947E+09	1,079225E+09	7,771979E+08
772	4,668906E+08	2,314615E+08	1,149028E+08	1,149001E+08	2,314574E+08	4,668967E+08	7,772126E+08	1,079238E+09	1,272960E+09	1,272954E+09	1,079219E+09	7,771784E+08
773	4,668544E+08	2,314251E+08	1,148802E+08	1,148848E+08	2,314384E+08	4,668726E+08	7,771980E+08	1,079246E+09	1,272989E+09	1,272985E+09	1,079237E+09	7,771885E+08
774	4,668600E+08	2,314224E+08	1,148693E+08	1,148656E+08	2,314140E+08	4,668513E+08	7,771840E+08	1,079239E+09	1,272995E+09	1,273010E+09	1,079269E+09	7,772187E+08
775	4,668828E+08	2,314295E+08	1,148656E+08	1,148657E+08	2,314290E+08	4,668837E+08	7,772281E+08	1,079288E+09	1,273031E+09	1,273015E+09	1,079248E+09	7,771801E+08
776	4,668399E+08	2,313991E+08	1,148484E+08	1,148493E+08	2,314003E+08	4,668404E+08	7,771802E+08	1,079252E+09	1,273021E+09	1,273029E+09	1,079273E+09	7,772079E+08
777	4,668663E+08	2,314197E+08	1,148589E+08	1,148529E+08	2,314042E+08	4,668475E+08	7,771864E+08	1,079249E+09	1,273008E+09	1,273017E+09	1,079273E+09	7,772184E+08
778	4,668733E+08	2,314177E+08	1,148596E+08	1,148639E+08	2,314276E+08	4,668757E+08	7,772123E+08	1,079270E+09	1,273020E+09	1,273009E+09	1,079244E+09	7,771778E+08
779	4,668424E+08	2,314047E+08	1,148561E+08	1,148572E+08	2,314084E+08	4,668468E+08	7,771784E+08	1,079229E+09	1,272977E+09	1,272988E+09	1,079253E+09	7,772057E+08
780	4,668774E+08	2,314380E+08	1,148786E+08	1,148763E+08	2,314351E+08	4,668845E+08	7,772160E+08	1,079249E+09	1,272967E+09	1,272953E+09	1,079219E+09	7,771854E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,668624E+08	2,314287E+08	1,148816E+08	1,148877E+08	2,314444E+08	4,668800E+08	7,772038E+08	1,079244E+09	1,272969E+09	1,272946E+09	1,079195E+09	7,771641E+08
782	4,668612E+08	2,314413E+08	1,148957E+08	1,148945E+08	2,314382E+08	4,668560E+08	7,771606E+08	1,079191E+09	1,272930E+09	1,272941E+09	1,079215E+09	7,771950E+08
783	4,668993E+08	2,314758E+08	1,149203E+08	1,149203E+08	2,314769E+08	4,669037E+08	7,771993E+08	1,079206E+09	1,272914E+09	1,272904E+09	1,079179E+09	7,771614E+08
784	4,668682E+08	2,314607E+08	1,149228E+08	1,149284E+08	2,314757E+08	4,668827E+08	7,771605E+08	1,079159E+09	1,272871E+09	1,272877E+09	1,079172E+09	7,771747E+08
785	4,668942E+08	2,314889E+08	1,149436E+08	1,149398E+08	2,314802E+08	4,668828E+08	7,771545E+08	1,079138E+09	1,272836E+09	1,272849E+09	1,079170E+09	7,771955E+08
786	4,669181E+08	2,315016E+08	1,149521E+08	1,149556E+08	2,315093E+08	4,669198E+08	7,771917E+08	1,079170E+09	1,272851E+09	1,272833E+09	1,079129E+09	7,771463E+08
787	4,668813E+08	2,314851E+08	1,149467E+08	1,149469E+08	2,314846E+08	4,668816E+08	7,771517E+08	1,079135E+09	1,272829E+09	1,272833E+09	1,079144E+09	7,771692E+08
788	4,669078E+08	2,315084E+08	1,149586E+08	1,149527E+08	2,314947E+08	4,668995E+08	7,771725E+08	1,079153E+09	1,272840E+09	1,272834E+09	1,079142E+09	7,771660E+08
789	4,668963E+08	2,314908E+08	1,149480E+08	1,149524E+08	2,315021E+08	4,669061E+08	7,771776E+08	1,079170E+09	1,272872E+09	1,272859E+09	1,079140E+09	7,771439E+08
790	4,668734E+08	2,314749E+08	1,149347E+08	1,149328E+08	2,314717E+08	4,668721E+08	7,771440E+08	1,079142E+09	1,272868E+09	1,272894E+09	1,079192E+09	7,771890E+08
791	4,669025E+08	2,314867E+08	1,149329E+08	1,149302E+08	2,314835E+08	4,669093E+08	7,772021E+08	1,079198E+09	1,272896E+09	1,272890E+09	1,079181E+09	7,771728E+08
792	4,668717E+08	2,314529E+08	1,149100E+08	1,149140E+08	2,314629E+08	4,668809E+08	7,771815E+08	1,079202E+09	1,272920E+09	1,272910E+09	1,079186E+09	7,771728E+08
793	4,668753E+08	2,314542E+08	1,149039E+08	1,148983E+08	2,314392E+08	4,668557E+08	7,771607E+08	1,079192E+09	1,272927E+09	1,272937E+09	1,079220E+09	7,772054E+08
794	4,668984E+08	2,314617E+08	1,149026E+08	1,149019E+08	2,314588E+08	4,668907E+08	7,772006E+08	1,079230E+09	1,272957E+09	1,272947E+09	1,079204E+09	7,771656E+08
795	4,668551E+08	2,314331E+08	1,148874E+08	1,148880E+08	2,314341E+08	4,668578E+08	7,771688E+08	1,079201E+09	1,272939E+09	1,272948E+09	1,079218E+09	7,771848E+08
796	4,668731E+08	2,314491E+08	1,148971E+08	1,148931E+08	2,314424E+08	4,668717E+08	7,771816E+08	1,079204E+09	1,272929E+09	1,272934E+09	1,079217E+09	7,771967E+08
797	4,668825E+08	2,314474E+08	1,148965E+08	1,149021E+08	2,314625E+08	4,668953E+08	7,772043E+08	1,079228E+09	1,272943E+09	1,272923E+09	1,079183E+09	7,771571E+08
798	4,668559E+08	2,314374E+08	1,148944E+08	1,148962E+08	2,314428E+08	4,668626E+08	7,771633E+08	1,079186E+09	1,272918E+09	1,272927E+09	1,079203E+09	7,771863E+08
799	4,668905E+08	2,314710E+08	1,149174E+08	1,149142E+08	2,314660E+08	4,668954E+08	7,771989E+08	1,079205E+09	1,272905E+09	1,272892E+09	1,079176E+09	7,771723E+08
800	4,668796E+08	2,314645E+08	1,149223E+08	1,149282E+08	2,314781E+08	4,668886E+08	7,771760E+08	1,079183E+09	1,272888E+09	1,272870E+09	1,079147E+09	7,771490E+08
801	4,668779E+08	2,314800E+08	1,149405E+08	1,149387E+08	2,314759E+08	4,668688E+08	7,771326E+08	1,079123E+09	1,272837E+09	1,272855E+09	1,079168E+09	7,771890E+08
802	4,669207E+08	2,315142E+08	1,149646E+08	1,149647E+08	2,315157E+08	4,669205E+08	7,771762E+08	1,079136E+09	1,272815E+09	1,272814E+09	1,079127E+09	7,771522E+08
803	4,668916E+08	2,315008E+08	1,149665E+08	1,149709E+08	2,315114E+08	4,669014E+08	7,771524E+08	1,079108E+09	1,272778E+09	1,272776E+09	1,079103E+09	7,771506E+08
804	4,669082E+08	2,315248E+08	1,149854E+08	1,149814E+08	2,315163E+08	4,669003E+08	7,771428E+08	1,079093E+09	1,272760E+09	1,272761E+09	1,079103E+09	7,771675E+08
805	4,669293E+08	2,315360E+08	1,149919E+08	1,149944E+08	2,315414E+08	4,669304E+08	7,771700E+08	1,079118E+09	1,272777E+09	1,272754E+09	1,079069E+09	7,771203E+08
806	4,668913E+08	2,315177E+08	1,149857E+08	1,149863E+08	2,315188E+08	4,668939E+08	7,771278E+08	1,079082E+09	1,272769E+09	1,272780E+09	1,079104E+09	7,771506E+08
807	4,669154E+08	2,315358E+08	1,149935E+08	1,149883E+08	2,315267E+08	4,669159E+08	7,771592E+08	1,079107E+09	1,272776E+09	1,272778E+09	1,079110E+09	7,771576E+08
808	4,669086E+08	2,315172E+08	1,149798E+08	1,149853E+08	2,315319E+08	4,669214E+08	7,771662E+08	1,079124E+09	1,272798E+09	1,272788E+09	1,079098E+09	7,771331E+08
809	4,668873E+08	2,315031E+08	1,149670E+08	1,149649E+08	2,314990E+08	4,668845E+08	7,771337E+08	1,079104E+09	1,272803E+09	1,272821E+09	1,079148E+09	7,771828E+08
810	4,669202E+08	2,315158E+08	1,149649E+08	1,149611E+08	2,315084E+08	4,669172E+08	7,771840E+08	1,079154E+09	1,272835E+09	1,272829E+09	1,079139E+09	7,771614E+08
811	4,668897E+08	2,314852E+08	1,149442E+08	1,149461E+08	2,314874E+08	4,668895E+08	7,771694E+08	1,079162E+09	1,272855E+09	1,272843E+09	1,079135E+09	7,771497E+08
812	4,668831E+08	2,314828E+08	1,149393E+08	1,149345E+08	2,314707E+08	4,668679E+08	7,771424E+08	1,079144E+09	1,272860E+09	1,272870E+09	1,079172E+09	7,771839E+08
813	4,669059E+08	2,314901E+08	1,149377E+08	1,149382E+08	2,314916E+08	4,669052E+08	7,771798E+08	1,079172E+09	1,272877E+09	1,272871E+09	1,079154E+09	7,771488E+08
814	4,668663E+08	2,314625E+08	1,149236E+08	1,149261E+08	2,314697E+08	4,668779E+08	7,771555E+08	1,079150E+09	1,272867E+09	1,272879E+09	1,079171E+09	7,771689E+08
815	4,668849E+08	2,314775E+08	1,149318E+08	1,149283E+08	2,314734E+08	4,668892E+08	7,771758E+08	1,079166E+09	1,272860E+09	1,272859E+09	1,079166E+09	7,771815E+08
816	4,668986E+08	2,314799E+08	1,149328E+08	1,149380E+08	2,314925E+08	4,669065E+08	7,771880E+08	1,079181E+09	1,272870E+09	1,272843E+09	1,079124E+09	7,771363E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
817	4,668721E+08	2,314749E+08	1,149363E+08	1,149365E+08	2,314748E+08	4,668710E+08	7,771390E+08	1,079133E+09	1,272844E+09	1,272850E+09	1,079153E+09	7,771730E+08
818	4,669091E+08	2,315094E+08	1,149614E+08	1,149574E+08	2,315014E+08	4,669049E+08	7,771683E+08	1,079139E+09	1,272823E+09	1,272820E+09	1,079133E+09	7,771614E+08
819	4,669006E+08	2,315054E+08	1,149683E+08	1,149733E+08	2,315166E+08	4,669076E+08	7,771605E+08	1,079121E+09	1,272793E+09	1,272781E+09	1,079091E+09	7,771307E+08
820	4,668921E+08	2,315165E+08	1,149852E+08	1,149847E+08	2,315175E+08	4,668912E+08	7,771201E+08	1,079066E+09	1,272744E+09	1,272761E+09	1,079107E+09	7,771688E+08
821	4,669356E+08	2,315498E+08	1,150062E+08	1,150067E+08	2,315524E+08	4,669378E+08	7,771606E+08	1,079082E+09	1,272727E+09	1,272719E+09	1,079062E+09	7,771308E+08
822	4,669076E+08	2,315371E+08	1,150078E+08	1,150124E+08	2,315476E+08	4,669176E+08	7,771346E+08	1,079059E+09	1,272711E+09	1,272706E+09	1,079047E+09	7,771268E+08
823	4,669191E+08	2,315568E+08	1,150232E+08	1,150186E+08	2,315473E+08	4,669129E+08	7,771281E+08	1,079049E+09	1,272695E+09	1,272697E+09	1,079056E+09	7,771485E+08
824	4,669409E+08	2,315672E+08	1,150286E+08	1,150316E+08	2,315731E+08	4,669410E+08	7,771480E+08	1,079064E+09	1,272703E+09	1,272685E+09	1,079023E+09	7,771042E+08
825	4,669034E+08	2,315491E+08	1,150230E+08	1,150238E+08	2,315517E+08	4,669081E+08	7,771091E+08	1,079028E+09	1,272692E+09	1,272708E+09	1,079066E+09	7,771453E+08
826	4,669310E+08	2,315651E+08	1,150281E+08	1,150233E+08	2,315570E+08	4,669302E+08	7,771453E+08	1,079058E+09	1,272701E+09	1,272708E+09	1,079070E+09	7,771513E+08
827	4,669278E+08	2,315489E+08	1,150138E+08	1,150179E+08	2,315580E+08	4,669350E+08	7,771619E+08	1,079087E+09	1,272727E+09	1,272709E+09	1,079043E+09	7,771134E+08
828	4,668985E+08	2,315320E+08	1,150005E+08	1,149981E+08	2,315266E+08	4,668953E+08	7,771207E+08	1,079066E+09	1,272742E+09	1,272753E+09	1,079095E+09	7,771589E+08
829	4,669300E+08	2,315452E+08	1,149982E+08	1,149937E+08	2,315341E+08	4,669224E+08	7,771596E+08	1,079103E+09	1,272768E+09	1,272763E+09	1,079090E+09	7,771408E+08
830	4,668999E+08	2,315150E+08	1,149793E+08	1,149819E+08	2,315188E+08	4,669005E+08	7,771444E+08	1,079108E+09	1,272795E+09	1,272789E+09	1,079096E+09	7,771325E+08
831	4,668908E+08	2,315090E+08	1,149723E+08	1,149686E+08	2,315023E+08	4,668857E+08	7,771319E+08	1,079098E+09	1,272791E+09	1,272806E+09	1,079134E+09	7,771722E+08
832	4,669181E+08	2,315174E+08	1,149706E+08	1,149725E+08	2,315226E+08	4,669216E+08	7,771699E+08	1,079125E+09	1,272799E+09	1,272791E+09	1,079103E+09	7,771341E+08
833	4,668810E+08	2,314937E+08	1,149593E+08	1,149620E+08	2,315008E+08	4,668929E+08	7,771458E+08	1,079111E+09	1,272797E+09	1,272802E+09	1,079122E+09	7,771578E+08
834	4,669022E+08	2,315109E+08	1,149694E+08	1,149652E+08	2,315033E+08	4,669000E+08	7,771587E+08	1,079121E+09	1,272795E+09	1,272793E+09	1,079120E+09	7,771668E+08
835	4,669173E+08	2,315179E+08	1,149743E+08	1,149774E+08	2,315229E+08	4,669174E+08	7,771724E+08	1,079131E+09	1,272794E+09	1,272768E+09	1,079071E+09	7,771137E+08
836	4,668837E+08	2,315111E+08	1,149805E+08	1,149815E+08	2,315139E+08	4,668859E+08	7,771156E+08	1,079072E+09	1,272760E+09	1,272772E+09	1,079102E+09	7,771535E+08
837	4,669234E+08	2,315463E+08	1,150050E+08	1,150020E+08	2,315406E+08	4,669211E+08	7,771415E+08	1,079066E+09	1,272723E+09	1,272729E+09	1,079078E+09	7,771462E+08
838	4,669181E+08	2,315429E+08	1,150120E+08	1,150185E+08	2,315576E+08	4,669280E+08	7,771415E+08	1,079059E+09	1,272704E+09	1,272694E+09	1,079034E+09	7,771136E+08
839	4,669081E+08	2,315514E+08	1,150257E+08	1,150256E+08	2,315534E+08	4,669104E+08	7,771115E+08	1,079020E+09	1,272661E+09	1,272671E+09	1,079046E+09	7,771496E+08
840	4,669521E+08	2,315853E+08	1,150461E+08	1,150462E+08	2,315848E+08	4,669488E+08	7,771414E+08	1,079030E+09	1,272645E+09	1,272630E+09	1,078996E+09	7,771058E+08
841	4,669218E+08	2,315743E+08	1,150499E+08	1,150535E+08	2,315814E+08	4,669290E+08	7,771142E+08	1,079006E+09	1,272634E+09	1,272628E+09	1,078996E+09	7,771098E+08
842	4,669329E+08	2,315915E+08	1,150639E+08	1,150592E+08	2,315817E+08	4,669258E+08	7,771063E+08	1,078993E+09	1,272622E+09	1,272631E+09	1,079015E+09	7,771348E+08
843	4,669557E+08	2,316016E+08	1,150680E+08	1,150703E+08	2,316066E+08	4,669606E+08	7,771411E+08	1,079016E+09	1,272624E+09	1,272609E+09	1,078975E+09	7,770872E+08
844	4,669138E+08	2,315787E+08	1,150595E+08	1,150617E+08	2,315859E+08	4,669272E+08	7,771030E+08	1,078990E+09	1,272624E+09	1,272637E+09	1,079017E+09	7,771285E+08
845	4,669435E+08	2,315936E+08	1,150605E+08	1,150558E+08	2,315841E+08	4,669404E+08	7,771305E+08	1,079017E+09	1,272637E+09	1,272640E+09	1,079023E+09	7,771362E+08
846	4,669416E+08	2,315786E+08	1,150466E+08	1,150502E+08	2,315846E+08	4,669428E+08	7,771423E+08	1,079048E+09	1,272679E+09	1,272660E+09	1,079004E+09	7,770969E+08
847	4,669079E+08	2,315584E+08	1,150313E+08	1,150285E+08	2,315512E+08	4,669028E+08	7,771041E+08	1,079024E+09	1,272684E+09	1,272699E+09	1,079059E+09	7,771454E+08
848	4,669400E+08	2,315715E+08	1,150297E+08	1,150261E+08	2,315615E+08	4,669294E+08	7,771346E+08	1,079046E+09	1,272694E+09	1,272696E+09	1,079049E+09	7,771279E+08
849	4,669117E+08	2,315443E+08	1,150137E+08	1,150171E+08	2,315509E+08	4,669164E+08	7,771287E+08	1,079053E+09	1,272712E+09	1,272714E+09	1,079056E+09	7,771260E+08
850	4,669060E+08	2,315384E+08	1,150065E+08	1,150033E+08	2,315330E+08	4,669019E+08	7,771217E+08	1,079051E+09	1,272714E+09	1,272730E+09	1,079087E+09	7,771605E+08
851	4,669359E+08	2,315513E+08	1,150071E+08	1,150075E+08	2,315517E+08	4,669380E+08	7,771669E+08	1,079088E+09	1,272725E+09	1,272706E+09	1,079042E+09	7,771110E+08
852	4,668933E+08	2,315272E+08	1,149982E+08	1,150008E+08	2,315335E+08	4,669054E+08	7,771310E+08	1,079069E+09	1,272730E+09	1,272727E+09	1,079063E+09	7,771312E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
853	4,669135E+08	2,315452E+08	1,150092E+08	1,150048E+08	2,315352E+08	4,669076E+08	7,771319E+08	1,079062E+09	1,272718E+09	1,272720E+09	1,079069E+09	7,771472E+08
854	4,669303E+08	2,315540E+08	1,150170E+08	1,150210E+08	2,315612E+08	4,669316E+08	7,771459E+08	1,079069E+09	1,272719E+09	1,272700E+09	1,079027E+09	7,770978E+08
855	4,668954E+08	2,315441E+08	1,150210E+08	1,150234E+08	2,315520E+08	4,669068E+08	7,771032E+08	1,079015E+09	1,272673E+09	1,272691E+09	1,079054E+09	7,771417E+08
856	4,669399E+08	2,315804E+08	1,150450E+08	1,150433E+08	2,315768E+08	4,669374E+08	7,771259E+08	1,079008E+09	1,272629E+09	1,272634E+09	1,079017E+09	7,771303E+08
857	4,669371E+08	2,315807E+08	1,150539E+08	1,150601E+08	2,315938E+08	4,669445E+08	7,771269E+08	1,079007E+09	1,272617E+09	1,272602E+09	1,078976E+09	7,770985E+08
858	4,669271E+08	2,315896E+08	1,150678E+08	1,150664E+08	2,315866E+08	4,669226E+08	7,770934E+08	1,078969E+09	1,272587E+09	1,272594E+09	1,078990E+09	7,771294E+08
859	4,669687E+08	2,316245E+08	1,150894E+08	1,150875E+08	2,316177E+08	4,669620E+08	7,771270E+08	1,078979E+09	1,272566E+09	1,272549E+09	1,078939E+09	7,770810E+08
860	4,669316E+08	2,316091E+08	1,150927E+08	1,150973E+08	2,316201E+08	4,669455E+08	7,770956E+08	1,078953E+09	1,272558E+09	1,272555E+09	1,078946E+09	7,770890E+08
861	4,669437E+08	2,316236E+08	1,151027E+08	1,150990E+08	2,316171E+08	4,669422E+08	7,770881E+08	1,078935E+09	1,272539E+09	1,272556E+09	1,078970E+09	7,771220E+08
862	4,669697E+08	2,316334E+08	1,151052E+08	1,151082E+08	2,316403E+08	4,669763E+08	7,771270E+08	1,078971E+09	1,272559E+09	1,272542E+09	1,078932E+09	7,770746E+08
863	4,669267E+08	2,316072E+08	1,150922E+08	1,150941E+08	2,316135E+08	4,669399E+08	7,770939E+08	1,078954E+09	1,272563E+09	1,272570E+09	1,078972E+09	7,771153E+08
864	4,669576E+08	2,316226E+08	1,150927E+08	1,150874E+08	2,316082E+08	4,669430E+08	7,771060E+08	1,078967E+09	1,272570E+09	1,272571E+09	1,078974E+09	7,771193E+08
865	4,669548E+08	2,316097E+08	1,150811E+08	1,150839E+08	2,316123E+08	4,669493E+08	7,771179E+08	1,078994E+09	1,272606E+09	1,272594E+09	1,078966E+09	7,770871E+08
866	4,669210E+08	2,315884E+08	1,150660E+08	1,150632E+08	2,315815E+08	4,669149E+08	7,770846E+08	1,078971E+09	1,272611E+09	1,272635E+09	1,079022E+09	7,771347E+08
867	4,669533E+08	2,316021E+08	1,150648E+08	1,150606E+08	2,315922E+08	4,669488E+08	7,771302E+08	1,079000E+09	1,272612E+09	1,272614E+09	1,078998E+09	7,771100E+08
868	4,669214E+08	2,315726E+08	1,150486E+08	1,150535E+08	2,315850E+08	4,669369E+08	7,771267E+08	1,079019E+09	1,272645E+09	1,272637E+09	1,079000E+09	7,771044E+08
869	4,669171E+08	2,315674E+08	1,150398E+08	1,150373E+08	2,315625E+08	4,669152E+08	7,771101E+08	1,079012E+09	1,272650E+09	1,272659E+09	1,079034E+09	7,771400E+08
870	4,669469E+08	2,315824E+08	1,150431E+08	1,150434E+08	2,315815E+08	4,669475E+08	7,771486E+08	1,079049E+09	1,272674E+09	1,272650E+09	1,078998E+09	7,770916E+08
871	4,669026E+08	2,315570E+08	1,150341E+08	1,150370E+08	2,315640E+08	4,669160E+08	7,771137E+08	1,079023E+09	1,272667E+09	1,272666E+09	1,079024E+09	7,771179E+08
872	4,669259E+08	2,315767E+08	1,150472E+08	1,150439E+08	2,315680E+08	4,669153E+08	7,771018E+08	1,078995E+09	1,272631E+09	1,272642E+09	1,079024E+09	7,771364E+08
873	4,669473E+08	2,315898E+08	1,150583E+08	1,150628E+08	2,315984E+08	4,669487E+08	7,771258E+08	1,079003E+09	1,272618E+09	1,272610E+09	1,078981E+09	7,770921E+08
874	4,669165E+08	2,315818E+08	1,150632E+08	1,150653E+08	2,315881E+08	4,669240E+08	7,770887E+08	1,078959E+09	1,272579E+09	1,272596E+09	1,078995E+09	7,771272E+08
875	4,669615E+08	2,316213E+08	1,150888E+08	1,150849E+08	2,316113E+08	4,669543E+08	7,771153E+08	1,078957E+09	1,272538E+09	1,272532E+09	1,078944E+09	7,771027E+08
876	4,669516E+08	2,316202E+08	1,150994E+08	1,151052E+08	2,316324E+08	4,669600E+08	7,771098E+08	1,078957E+09	1,272539E+09	1,272515E+09	1,078907E+09	7,770673E+08
877	4,669389E+08	2,316273E+08	1,151114E+08	1,151101E+08	2,316234E+08	4,669348E+08	7,770686E+08	1,078910E+09	1,272508E+09	1,272518E+09	1,078936E+09	7,771060E+08
878	4,669787E+08	2,316599E+08	1,151327E+08	1,151318E+08	2,316574E+08	4,669789E+08	7,771065E+08	1,078927E+09	1,272498E+09	1,272484E+09	1,078896E+09	7,770653E+08
879	4,669415E+08	2,316395E+08	1,151308E+08	1,151366E+08	2,316563E+08	4,669663E+08	7,770890E+08	1,078911E+09	1,272487E+09	1,272486E+09	1,078906E+09	7,770796E+08
880	4,669573E+08	2,316523E+08	1,151374E+08	1,151348E+08	2,316474E+08	4,669537E+08	7,770731E+08	1,078889E+09	1,272466E+09	1,272481E+09	1,078923E+09	7,771117E+08
881	4,669867E+08	2,316652E+08	1,151400E+08	1,151422E+08	2,316689E+08	4,669874E+08	7,771114E+08	1,078926E+09	1,272488E+09	1,272474E+09	1,078892E+09	7,770674E+08
882	4,669443E+08	2,316393E+08	1,151267E+08	1,151266E+08	2,316387E+08	4,669461E+08	7,770737E+08	1,078907E+09	1,272498E+09	1,272508E+09	1,078931E+09	7,771028E+08
883	4,669731E+08	2,316553E+08	1,151282E+08	1,151208E+08	2,316353E+08	4,669521E+08	7,770870E+08	1,078915E+09	1,272494E+09	1,272498E+09	1,078926E+09	7,771010E+08
884	4,669646E+08	2,316393E+08	1,151172E+08	1,151209E+08	2,316463E+08	4,669644E+08	7,770995E+08	1,078941E+09	1,272531E+09	1,272520E+09	1,078915E+09	7,770676E+08
885	4,669308E+08	2,316159E+08	1,150989E+08	1,150975E+08	2,316131E+08	4,669316E+08	7,770721E+08	1,078921E+09	1,272533E+09	1,272557E+09	1,078972E+09	7,771183E+08
886	4,669633E+08	2,316295E+08	1,150981E+08	1,150949E+08	2,316233E+08	4,669648E+08	7,771234E+08	1,078969E+09	1,272555E+09	1,272545E+09	1,078947E+09	7,770916E+08
887	4,669306E+08	2,315988E+08	1,150797E+08	1,150846E+08	2,316120E+08	4,669503E+08	7,771214E+08	1,078992E+09	1,272592E+09	1,272572E+09	1,078951E+09	7,770859E+08
888	4,669273E+08	2,315954E+08	1,150729E+08	1,150701E+08	2,315877E+08	4,669185E+08	7,770864E+08	1,078965E+09	1,272587E+09	1,272595E+09	1,078987E+09	7,771229E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
889	4,669600E+08	2,316150E+08	1,150807E+08	1,150803E+08	2,316123E+08	4,669555E+08	7,771218E+08	1,078989E+09	1,272595E+09	1,272584E+09	1,078963E+09	7,770843E+08
890	4,669191E+08	2,315917E+08	1,150742E+08	1,150767E+08	2,315982E+08	4,669292E+08	7,770903E+08	1,078961E+09	1,272582E+09	1,272592E+09	1,078982E+09	7,771098E+08
891	4,669453E+08	2,316144E+08	1,150895E+08	1,150852E+08	2,316044E+08	4,669347E+08	7,770884E+08	1,078936E+09	1,272533E+09	1,272545E+09	1,078964E+09	7,771204E+08
892	4,669644E+08	2,316271E+08	1,151019E+08	1,151070E+08	2,316384E+08	4,669688E+08	7,771143E+08	1,078954E+09	1,272532E+09	1,272514E+09	1,078912E+09	7,770684E+08
893	4,669334E+08	2,316197E+08	1,151057E+08	1,151077E+08	2,316247E+08	4,669399E+08	7,770724E+08	1,078907E+09	1,272498E+09	1,272507E+09	1,078930E+09	7,771017E+08
894	4,669745E+08	2,316591E+08	1,151329E+08	1,151287E+08	2,316483E+08	4,669676E+08	7,770966E+08	1,078912E+09	1,272473E+09	1,272459E+09	1,078887E+09	7,770770E+08
895	4,669605E+08	2,316540E+08	1,151411E+08	1,151475E+08	2,316698E+08	4,669765E+08	7,770943E+08	1,078910E+09	1,272469E+09	1,272446E+09	1,078860E+09	7,770493E+08
896	4,669494E+08	2,316596E+08	1,151520E+08	1,151520E+08	2,316601E+08	4,669485E+08	7,770440E+08	1,078847E+09	1,272423E+09	1,272441E+09	1,078891E+09	7,770944E+08
897	4,669939E+08	2,316934E+08	1,151726E+08	1,151723E+08	2,316941E+08	4,669978E+08	7,770915E+08	1,078868E+09	1,272407E+09	1,272404E+09	1,078857E+09	7,770626E+08
898	4,669626E+08	2,316745E+08	1,151695E+08	1,151745E+08	2,316880E+08	4,669803E+08	7,770760E+08	1,078864E+09	1,272410E+09	1,272407E+09	1,078858E+09	7,770712E+08
899	4,669787E+08	2,316888E+08	1,151754E+08	1,151702E+08	2,316754E+08	4,669637E+08	7,770561E+08	1,078840E+09	1,272388E+09	1,272396E+09	1,078863E+09	7,770911E+08
900	4,670010E+08	2,316994E+08	1,151787E+08	1,151797E+08	2,316996E+08	4,669962E+08	7,770898E+08	1,078876E+09	1,272418E+09	1,272399E+09	1,078834E+09	7,770426E+08
901	4,669558E+08	2,316710E+08	1,151630E+08	1,151629E+08	2,316696E+08	4,669562E+08	7,770498E+08	1,078850E+09	1,272423E+09	1,272437E+09	1,078882E+09	7,770819E+08
902	4,669806E+08	2,316837E+08	1,151634E+08	1,151571E+08	2,316686E+08	4,669676E+08	7,770719E+08	1,078872E+09	1,272432E+09	1,272433E+09	1,078881E+09	7,770833E+08
903	4,669708E+08	2,316630E+08	1,151478E+08	1,151532E+08	2,316776E+08	4,669857E+08	7,770998E+08	1,078911E+09	1,272471E+09	1,272455E+09	1,078872E+09	7,770537E+08
904	4,669399E+08	2,316391E+08	1,151280E+08	1,151277E+08	2,316392E+08	4,669426E+08	7,770615E+08	1,078886E+09	1,272475E+09	1,272492E+09	1,078926E+09	7,771037E+08
905	4,669751E+08	2,316564E+08	1,151291E+08	1,151253E+08	2,316490E+08	4,669752E+08	7,771104E+08	1,078931E+09	1,272496E+09	1,272488E+09	1,078912E+09	7,770827E+08
906	4,669459E+08	2,316295E+08	1,151138E+08	1,151167E+08	2,316363E+08	4,669555E+08	7,771012E+08	1,078949E+09	1,272534E+09	1,272518E+09	1,078916E+09	7,770755E+08
907	4,669430E+08	2,316288E+08	1,151103E+08	1,151058E+08	2,316168E+08	4,669269E+08	7,770610E+08	1,078906E+09	1,272507E+09	1,272521E+09	1,078941E+09	7,771088E+08
908	4,669741E+08	2,316491E+08	1,151215E+08	1,151216E+08	2,316493E+08	4,669711E+08	7,770990E+08	1,078926E+09	1,272507E+09	1,272501E+09	1,078908E+09	7,770689E+08
909	4,669364E+08	2,316268E+08	1,151147E+08	1,151181E+08	2,316357E+08	4,669479E+08	7,770730E+08	1,078899E+09	1,272485E+09	1,272497E+09	1,078923E+09	7,770928E+08
910	4,669618E+08	2,316507E+08	1,151316E+08	1,151279E+08	2,316423E+08	4,669525E+08	7,770762E+08	1,078892E+09	1,272456E+09	1,272453E+09	1,078898E+09	7,770972E+08
911	4,669780E+08	2,316618E+08	1,151424E+08	1,151477E+08	2,316744E+08	4,669868E+08	7,771045E+08	1,078913E+09	1,272460E+09	1,272431E+09	1,078848E+09	7,770430E+08
912	4,669447E+08	2,316540E+08	1,151473E+08	1,151494E+08	2,316588E+08	4,669494E+08	7,770482E+08	1,078852E+09	1,272421E+09	1,272429E+09	1,078872E+09	7,770782E+08
913	4,669861E+08	2,316946E+08	1,151761E+08	1,151722E+08	2,316865E+08	4,669834E+08	7,770746E+08	1,078851E+09	1,272388E+09	1,272387E+09	1,078847E+09	7,770653E+08
914	4,669762E+08	2,316905E+08	1,151841E+08	1,151902E+08	2,317067E+08	4,669938E+08	7,770769E+08	1,078853E+09	1,272387E+09	1,272372E+09	1,078818E+09	7,770409E+08
915	4,669685E+08	2,316966E+08	1,151939E+08	1,151931E+08	2,316961E+08	4,669681E+08	7,770322E+08	1,078793E+09	1,272334E+09	1,272352E+09	1,078836E+09	7,770814E+08
916	4,670126E+08	2,317295E+08	1,152139E+08	1,152133E+08	2,317297E+08	4,670138E+08	7,770773E+08	1,078821E+09	1,272331E+09	1,272319E+09	1,078795E+09	7,770439E+08
917	4,669813E+08	2,317098E+08	1,152078E+08	1,152118E+08	2,317185E+08	4,669903E+08	7,770553E+08	1,078813E+09	1,272337E+09	1,272332E+09	1,078803E+09	7,770510E+08
918	4,669922E+08	2,317223E+08	1,152137E+08	1,152077E+08	2,317060E+08	4,669712E+08	7,770346E+08	1,078797E+09	1,272328E+09	1,272330E+09	1,078814E+09	7,770696E+08
919	4,670087E+08	2,317272E+08	1,152132E+08	1,152147E+08	2,317305E+08	4,670088E+08	7,770722E+08	1,078830E+09	1,272353E+09	1,272337E+09	1,078792E+09	7,770255E+08
920	4,669626E+08	2,316962E+08	1,151956E+08	1,151968E+08	2,316997E+08	4,669688E+08	7,770303E+08	1,078796E+09	1,272348E+09	1,272367E+09	1,078839E+09	7,770680E+08
921	4,669907E+08	2,317094E+08	1,151952E+08	1,151898E+08	2,316990E+08	4,669860E+08	7,770640E+08	1,078825E+09	1,272355E+09	1,272365E+09	1,078843E+09	7,770751E+08
922	4,669862E+08	2,316916E+08	1,151797E+08	1,151839E+08	2,317030E+08	4,669981E+08	7,770918E+08	1,078877E+09	1,272413E+09	1,272390E+09	1,078828E+09	7,770421E+08
923	4,669565E+08	2,316704E+08	1,151615E+08	1,151589E+08	2,316642E+08	4,669520E+08	7,770458E+08	1,078845E+09	1,272411E+09	1,272422E+09	1,078873E+09	7,770846E+08
924	4,669881E+08	2,316881E+08	1,151658E+08	1,151612E+08	2,316781E+08	4,669828E+08	7,770876E+08	1,078882E+09	1,272432E+09	1,272423E+09	1,078861E+09	7,770633E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,669597E+08	2,316618E+08	1,151512E+08	1,151543E+08	2,316684E+08	4,669660E+08	7,770754E+08	1,078888E+09	1,272456E+09	1,272449E+09	1,078872E+09	7,770606E+08
926	4,669553E+08	2,316610E+08	1,151497E+08	1,151464E+08	2,316534E+08	4,669434E+08	7,770441E+08	1,078855E+09	1,272431E+09	1,272444E+09	1,078892E+09	7,770931E+08
927	4,669857E+08	2,316788E+08	1,151586E+08	1,151604E+08	2,316856E+08	4,669933E+08	7,770940E+08	1,078884E+09	1,272431E+09	1,272420E+09	1,078854E+09	7,770521E+08
928	4,669495E+08	2,316578E+08	1,151522E+08	1,151567E+08	2,316694E+08	4,669633E+08	7,770590E+08	1,078851E+09	1,272408E+09	1,272412E+09	1,078861E+09	7,770715E+08
929	4,669763E+08	2,316849E+08	1,151711E+08	1,151671E+08	2,316764E+08	4,669687E+08	7,770617E+08	1,078841E+09	1,272379E+09	1,272379E+09	1,078848E+09	7,770795E+08
930	4,669947E+08	2,316993E+08	1,151847E+08	1,151884E+08	2,317071E+08	4,669983E+08	7,770850E+08	1,078863E+09	1,272389E+09	1,272361E+09	1,078801E+09	7,770275E+08
931	4,669616E+08	2,316924E+08	1,151912E+08	1,151923E+08	2,316953E+08	4,669632E+08	7,770226E+08	1,078787E+09	1,272332E+09	1,272345E+09	1,078819E+09	7,770610E+08
932	4,670012E+08	2,317315E+08	1,152209E+08	1,152176E+08	2,317268E+08	4,670022E+08	7,770545E+08	1,078788E+09	1,272298E+09	1,272300E+09	1,078790E+09	7,770501E+08
933	4,669957E+08	2,317279E+08	1,152269E+08	1,152333E+08	2,317442E+08	4,670119E+08	7,770606E+08	1,078793E+09	1,272295E+09	1,272283E+09	1,078762E+09	7,770259E+08
934	4,669869E+08	2,317338E+08	1,152360E+08	1,152348E+08	2,317309E+08	4,669811E+08	7,770170E+08	1,078751E+09	1,272262E+09	1,272267E+09	1,078775E+09	7,770602E+08
935	4,670265E+08	2,317631E+08	1,152524E+08	1,152512E+08	2,317613E+08	4,670262E+08	7,770619E+08	1,078778E+09	1,272264E+09	1,272247E+09	1,078739E+09	7,770212E+08
936	4,669922E+08	2,317416E+08	1,152455E+08	1,152492E+08	2,317484E+08	4,669965E+08	7,770271E+08	1,078754E+09	1,272262E+09	1,272260E+09	1,078752E+09	7,770298E+08
937	4,670022E+08	2,317526E+08	1,152502E+08	1,152447E+08	2,317394E+08	4,669862E+08	7,770141E+08	1,078737E+09	1,272248E+09	1,272266E+09	1,078778E+09	7,770580E+08
938	4,670212E+08	2,317569E+08	1,152481E+08	1,152495E+08	2,317611E+08	4,670258E+08	7,770618E+08	1,078784E+09	1,272282E+09	1,272271E+09	1,078754E+09	7,770171E+08
939	4,669772E+08	2,317251E+08	1,152286E+08	1,152296E+08	2,317292E+08	4,669867E+08	7,770240E+08	1,078756E+09	1,272277E+09	1,272292E+09	1,078789E+09	7,770530E+08
940	4,670033E+08	2,317373E+08	1,152281E+08	1,152229E+08	2,317279E+08	4,670009E+08	7,770569E+08	1,078793E+09	1,272300E+09	1,272298E+09	1,078790E+09	7,770567E+08
941	4,670005E+08	2,317211E+08	1,152123E+08	1,152157E+08	2,317284E+08	4,670066E+08	7,770761E+08	1,078837E+09	1,272356E+09	1,272333E+09	1,078785E+09	7,770247E+08
942	4,669676E+08	2,317000E+08	1,151962E+08	1,151934E+08	2,316919E+08	4,669582E+08	7,770265E+08	1,078807E+09	1,272357E+09	1,272365E+09	1,078832E+09	7,770671E+08
943	4,669966E+08	2,317151E+08	1,151994E+08	1,151961E+08	2,317089E+08	4,669953E+08	7,770684E+08	1,078833E+09	1,272365E+09	1,272361E+09	1,078822E+09	7,770500E+08
944	4,669699E+08	2,316892E+08	1,151856E+08	1,151903E+08	2,317002E+08	4,669793E+08	7,770540E+08	1,078826E+09	1,272369E+09	1,272370E+09	1,078825E+09	7,770486E+08
945	4,669703E+08	2,316917E+08	1,151860E+08	1,151838E+08	2,316878E+08	4,669633E+08	7,770335E+08	1,078799E+09	1,272341E+09	1,272362E+09	1,078845E+09	7,770821E+08
946	4,670049E+08	2,317141E+08	1,151970E+08	1,151974E+08	2,317156E+08	4,670064E+08	7,770813E+08	1,078839E+09	1,272355E+09	1,272337E+09	1,078797E+09	7,770348E+08
947	4,669682E+08	2,316959E+08	1,151935E+08	1,151962E+08	2,317019E+08	4,669759E+08	7,770392E+08	1,078797E+09	1,272327E+09	1,272325E+09	1,078795E+09	7,770453E+08
948	4,669903E+08	2,317231E+08	1,152159E+08	1,152114E+08	2,317136E+08	4,669820E+08	7,770385E+08	1,078783E+09	1,272299E+09	1,272298E+09	1,078785E+09	7,770535E+08
949	4,670088E+08	2,317372E+08	1,152293E+08	1,152333E+08	2,317459E+08	4,670139E+08	7,770609E+08	1,078797E+09	1,272301E+09	1,272281E+09	1,078750E+09	7,770096E+08
950	4,669759E+08	2,317297E+08	1,152363E+08	1,152385E+08	2,317360E+08	4,669824E+08	7,770096E+08	1,078738E+09	1,272251E+09	1,272261E+09	1,078765E+09	7,770447E+08
951	4,670154E+08	2,317652E+08	1,152618E+08	1,152600E+08	2,317647E+08	4,670226E+08	7,770461E+08	1,078744E+09	1,272222E+09	1,272219E+09	1,078736E+09	7,770340E+08
952	4,670110E+08	2,317620E+08	1,152667E+08	1,152733E+08	2,317774E+08	4,670238E+08	7,770407E+08	1,078740E+09	1,272217E+09	1,272202E+09	1,078707E+09	7,770079E+08
953	4,670029E+08	2,317690E+08	1,152756E+08	1,152738E+08	2,317640E+08	4,669945E+08	7,769974E+08	1,078692E+09	1,272182E+09	1,272199E+09	1,078732E+09	7,770450E+08
954	4,670422E+08	2,317984E+08	1,152917E+08	1,152890E+08	2,317909E+08	4,670344E+08	7,770392E+08	1,078724E+09	1,272192E+09	1,272180E+09	1,078697E+09	7,770075E+08
955	4,670068E+08	2,317752E+08	1,152838E+08	1,152872E+08	2,317823E+08	4,670113E+08	7,770043E+08	1,078692E+09	1,272176E+09	1,272180E+09	1,078701E+09	7,770132E+08
956	4,670143E+08	2,317833E+08	1,152874E+08	1,152829E+08	2,317746E+08	4,670063E+08	7,770032E+08	1,078686E+09	1,272168E+09	1,272185E+09	1,078723E+09	7,770409E+08
957	4,670355E+08	2,317868E+08	1,152824E+08	1,152843E+08	2,317919E+08	4,670428E+08	7,770552E+08	1,078743E+09	1,272209E+09	1,272195E+09	1,078704E+09	7,770019E+08
958	4,669909E+08	2,317549E+08	1,152625E+08	1,152633E+08	2,317570E+08	4,669977E+08	7,770179E+08	1,078733E+09	1,272226E+09	1,272225E+09	1,078737E+09	7,770319E+08
959	4,670118E+08	2,317634E+08	1,152592E+08	1,152542E+08	2,317535E+08	4,670104E+08	7,770452E+08	1,078761E+09	1,272252E+09	1,272245E+09	1,078748E+09	7,770366E+08
960	4,670075E+08	2,317476E+08	1,152446E+08	1,152480E+08	2,317539E+08	4,670106E+08	7,770497E+08	1,078784E+09	1,272291E+09	1,272276E+09	1,078748E+09	7,770093E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,669773E+08	2,317278E+08	1,152296E+08	1,152277E+08	2,317230E+08	4,669720E+08	7,770055E+08	1,078744E+09	1,272278E+09	1,272305E+09	1,078802E+09	7,770597E+08
962	4,670116E+08	2,317457E+08	1,152344E+08	1,152307E+08	2,317383E+08	4,670092E+08	7,770545E+08	1,078782E+09	1,272289E+09	1,272290E+09	1,078783E+09	7,770437E+08
963	4,669887E+08	2,317222E+08	1,152217E+08	1,152262E+08	2,317323E+08	4,669955E+08	7,770400E+08	1,078774E+09	1,272284E+09	1,272280E+09	1,078766E+09	7,770312E+08
964	4,669868E+08	2,317260E+08	1,152247E+08	1,152223E+08	2,317211E+08	4,669790E+08	7,770215E+08	1,078755E+09	1,272267E+09	1,272277E+09	1,078779E+09	7,770579E+08
965	4,670208E+08	2,317505E+08	1,152376E+08	1,152371E+08	2,317479E+08	4,670185E+08	7,770638E+08	1,078788E+09	1,272280E+09	1,272261E+09	1,078742E+09	7,770122E+08
966	4,669810E+08	2,317325E+08	1,152367E+08	1,152395E+08	2,317375E+08	4,669867E+08	7,770203E+08	1,078752E+09	1,272257E+09	1,272250E+09	1,078742E+09	7,770216E+08
967	4,669989E+08	2,317556E+08	1,152572E+08	1,152547E+08	2,317526E+08	4,670006E+08	7,770214E+08	1,078728E+09	1,272221E+09	1,272225E+09	1,078738E+09	7,770360E+08
968	4,670195E+08	2,317703E+08	1,152708E+08	1,152762E+08	2,317838E+08	4,670310E+08	7,770405E+08	1,078732E+09	1,272207E+09	1,272195E+09	1,078699E+09	7,769965E+08
969	4,669933E+08	2,317654E+08	1,152778E+08	1,152810E+08	2,317743E+08	4,670028E+08	7,769961E+08	1,078678E+09	1,272160E+09	1,272177E+09	1,078717E+09	7,770339E+08
970	4,670371E+08	2,318042E+08	1,153037E+08	1,153000E+08	2,317963E+08	4,670332E+08	7,770283E+08	1,078694E+09	1,272145E+09	1,272138E+09	1,078682E+09	7,770198E+08
971	4,670316E+08	2,318015E+08	1,153089E+08	1,153137E+08	2,318108E+08	4,670340E+08	7,770146E+08	1,078679E+09	1,272130E+09	1,272115E+09	1,078646E+09	7,769857E+08
972	4,670179E+08	2,318065E+08	1,153186E+08	1,153163E+08	2,318003E+08	4,670083E+08	7,769752E+08	1,078633E+09	1,272099E+09	1,272116E+09	1,078672E+09	7,770225E+08
973	4,670553E+08	2,318328E+08	1,153322E+08	1,153297E+08	2,318266E+08	4,670511E+08	7,770214E+08	1,078665E+09	1,272107E+09	1,272102E+09	1,078649E+09	7,769911E+08
974	4,670182E+08	2,318066E+08	1,153219E+08	1,153264E+08	2,318175E+08	4,670306E+08	7,770018E+08	1,078659E+09	1,272108E+09	1,272104E+09	1,078649E+09	7,769940E+08
975	4,670227E+08	2,318091E+08	1,153197E+08	1,153171E+08	2,318062E+08	4,670259E+08	7,770035E+08	1,078661E+09	1,272115E+09	1,272121E+09	1,078675E+09	7,770219E+08
976	4,670432E+08	2,318124E+08	1,153131E+08	1,153150E+08	2,318170E+08	4,670515E+08	7,770410E+08	1,078706E+09	1,272156E+09	1,272138E+09	1,078662E+09	7,769865E+08
977	4,670023E+08	2,317826E+08	1,152938E+08	1,152942E+08	2,317825E+08	4,670062E+08	7,770007E+08	1,078687E+09	1,272170E+09	1,272181E+09	1,078710E+09	7,770223E+08
978	4,670251E+08	2,317926E+08	1,152917E+08	1,152851E+08	2,317762E+08	4,670115E+08	7,770194E+08	1,078712E+09	1,272191E+09	1,272194E+09	1,078719E+09	7,770307E+08
979	4,670223E+08	2,317778E+08	1,152784E+08	1,152815E+08	2,317831E+08	4,670200E+08	7,770219E+08	1,078718E+09	1,272205E+09	1,272201E+09	1,078705E+09	7,769995E+08
980	4,669924E+08	2,317591E+08	1,152658E+08	1,152645E+08	2,317564E+08	4,669898E+08	7,769917E+08	1,078687E+09	1,272189E+09	1,272216E+09	1,078745E+09	7,770449E+08
981	4,670288E+08	2,317785E+08	1,152711E+08	1,152674E+08	2,317698E+08	4,670239E+08	7,770421E+08	1,078732E+09	1,272204E+09	1,272202E+09	1,078724E+09	7,770256E+08
982	4,670045E+08	2,317572E+08	1,152609E+08	1,152652E+08	2,317650E+08	4,670090E+08	7,770320E+08	1,078741E+09	1,272216E+09	1,272196E+09	1,078700E+09	7,770030E+08
983	4,669960E+08	2,317582E+08	1,152635E+08	1,152620E+08	2,317553E+08	4,669935E+08	7,770082E+08	1,078713E+09	1,272204E+09	1,272206E+09	1,078722E+09	7,770290E+08
984	4,670260E+08	2,317825E+08	1,152779E+08	1,152782E+08	2,317828E+08	4,670298E+08	7,770393E+08	1,078729E+09	1,272201E+09	1,272188E+09	1,078694E+09	7,769927E+08
985	4,669916E+08	2,317659E+08	1,152781E+08	1,152826E+08	2,317775E+08	4,670076E+08	7,770031E+08	1,078688E+09	1,272171E+09	1,272181E+09	1,078704E+09	7,770114E+08
986	4,670151E+08	2,317910E+08	1,152985E+08	1,152960E+08	2,317878E+08	4,670172E+08	7,770089E+08	1,078678E+09	1,272140E+09	1,272147E+09	1,078694E+09	7,770293E+08
987	4,670404E+08	2,318079E+08	1,153122E+08	1,153175E+08	2,318203E+08	4,670475E+08	7,770232E+08	1,078676E+09	1,272118E+09	1,272103E+09	1,078640E+09	7,769819E+08
988	4,670141E+08	2,318052E+08	1,153214E+08	1,153236E+08	2,318105E+08	4,670186E+08	7,769799E+08	1,078626E+09	1,272077E+09	1,272087E+09	1,078651E+09	7,770136E+08
989	4,670564E+08	2,318438E+08	1,153472E+08	1,153422E+08	2,318301E+08	4,670430E+08	7,770048E+08	1,078636E+09	1,272062E+09	1,272058E+09	1,078628E+09	7,770003E+08
990	4,670467E+08	2,318394E+08	1,153526E+08	1,153574E+08	2,318472E+08	4,670457E+08	7,769956E+08	1,078629E+09	1,272052E+09	1,272033E+09	1,078589E+09	7,769626E+08
991	4,670263E+08	2,318375E+08	1,153576E+08	1,153573E+08	2,318383E+08	4,670287E+08	7,769628E+08	1,078584E+09	1,272024E+09	1,272041E+09	1,078622E+09	7,770018E+08
992	4,670618E+08	2,318612E+08	1,153683E+08	1,153670E+08	2,318600E+08	4,670682E+08	7,770097E+08	1,078615E+09	1,272027E+09	1,272024E+09	1,078600E+09	7,769766E+08
993	4,670311E+08	2,318358E+08	1,153559E+08	1,153609E+08	2,318485E+08	4,670473E+08	7,769938E+08	1,078617E+09	1,272042E+09	1,272040E+09	1,078608E+09	7,769819E+08
994	4,670378E+08	2,318396E+08	1,153526E+08	1,153479E+08	2,318293E+08	4,670314E+08	7,769889E+08	1,078627E+09	1,272064E+09	1,272066E+09	1,078636E+09	7,770109E+08
995	4,670585E+08	2,318435E+08	1,153465E+08	1,153468E+08	2,318425E+08	4,670551E+08	7,770128E+08	1,078652E+09	1,272087E+09	1,272074E+09	1,078619E+09	7,769718E+08
996	4,670152E+08	2,318137E+08	1,153292E+08	1,153289E+08	2,318118E+08	4,670150E+08	7,769765E+08	1,078631E+09	1,272095E+09	1,272110E+09	1,078664E+09	7,770094E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
997	4,670387E+08	2,318229E+08	1,153271E+08	1,153206E+08	2,318069E+08	4,670235E+08	7,769988E+08	1,078653E+09	1,272108E+09	1,272121E+09	1,078679E+09	7,770216E+08
998	4,670364E+08	2,318081E+08	1,153141E+08	1,153178E+08	2,318150E+08	4,670359E+08	7,770164E+08	1,078681E+09	1,272130E+09	1,272118E+09	1,078650E+09	7,769812E+08
999	4,670027E+08	2,317864E+08	1,152991E+08	1,152997E+08	2,317894E+08	4,670097E+08	7,769897E+08	1,078657E+09	1,272127E+09	1,272141E+09	1,078688E+09	7,770203E+08
1000	4,670354E+08	2,318070E+08	1,153055E+08	1,153019E+08	2,317993E+08	4,670360E+08	7,770284E+08	1,078690E+09	1,272138E+09	1,272130E+09	1,078670E+09	7,770033E+08
1001	4,670147E+08	2,317882E+08	1,152976E+08	1,153022E+08	2,317976E+08	4,670230E+08	7,770160E+08	1,078693E+09	1,272152E+09	1,272138E+09	1,078659E+09	7,769856E+08
1002	4,670074E+08	2,317907E+08	1,153017E+08	1,152998E+08	2,317865E+08	4,670028E+08	7,769867E+08	1,078664E+09	1,272136E+09	1,272144E+09	1,078684E+09	7,770192E+08
1003	4,670407E+08	2,318162E+08	1,153175E+08	1,153185E+08	2,318195E+08	4,670448E+08	7,770141E+08	1,078661E+09	1,272108E+09	1,272104E+09	1,078645E+09	7,769829E+08
1004	4,670104E+08	2,318030E+08	1,153207E+08	1,153255E+08	2,318159E+08	4,670274E+08	7,769896E+08	1,078630E+09	1,272075E+09	1,272083E+09	1,078644E+09	7,769998E+08
1005	4,670376E+08	2,318307E+08	1,153422E+08	1,153389E+08	2,318230E+08	4,670301E+08	7,769903E+08	1,078622E+09	1,272050E+09	1,272053E+09	1,078634E+09	7,770143E+08
1006	4,670616E+08	2,318494E+08	1,153577E+08	1,153615E+08	2,318553E+08	4,670588E+08	7,770075E+08	1,078630E+09	1,272038E+09	1,272011E+09	1,078571E+09	7,769552E+08
1007	4,670275E+08	2,318430E+08	1,153655E+08	1,153679E+08	2,318486E+08	4,670337E+08	7,769610E+08	1,078574E+09	1,272001E+09	1,272007E+09	1,078590E+09	7,769841E+08
1008	4,670636E+08	2,318784E+08	1,153898E+08	1,153851E+08	2,318672E+08	4,670560E+08	7,769784E+08	1,078571E+09	1,271974E+09	1,271976E+09	1,078574E+09	7,769802E+08
1009	4,670579E+08	2,318728E+08	1,153934E+08	1,153995E+08	2,318870E+08	4,670682E+08	7,769816E+08	1,078571E+09	1,271971E+09	1,271963E+09	1,078547E+09	7,769499E+08
1010	4,670403E+08	2,318694E+08	1,153949E+08	1,153944E+08	2,318702E+08	4,670444E+08	7,769543E+08	1,078545E+09	1,271956E+09	1,271972E+09	1,078580E+09	7,769921E+08
1011	4,670770E+08	2,318919E+08	1,154031E+08	1,154015E+08	2,318905E+08	4,670809E+08	7,769943E+08	1,078571E+09	1,271957E+09	1,271950E+09	1,078551E+09	7,769635E+08
1012	4,670476E+08	2,318687E+08	1,153919E+08	1,153952E+08	2,318768E+08	4,670588E+08	7,769798E+08	1,078576E+09	1,271980E+09	1,271972E+09	1,078560E+09	7,769675E+08
1013	4,670528E+08	2,318713E+08	1,153880E+08	1,153818E+08	2,318549E+08	4,670348E+08	7,769641E+08	1,078577E+09	1,271999E+09	1,272007E+09	1,078599E+09	7,769994E+08
1014	4,670717E+08	2,318743E+08	1,153824E+08	1,153822E+08	2,318714E+08	4,670628E+08	7,769932E+08	1,078605E+09	1,272017E+09	1,272005E+09	1,078574E+09	7,769559E+08
1015	4,670241E+08	2,318401E+08	1,153626E+08	1,153642E+08	2,318453E+08	4,670336E+08	7,769640E+08	1,078581E+09	1,272020E+09	1,272037E+09	1,078616E+09	7,769911E+08
1016	4,670457E+08	2,318485E+08	1,153593E+08	1,153541E+08	2,318375E+08	4,670392E+08	7,769865E+08	1,078603E+09	1,272026E+09	1,272037E+09	1,078626E+09	7,770064E+08
1017	4,670494E+08	2,318364E+08	1,153469E+08	1,153515E+08	2,318463E+08	4,670534E+08	7,770084E+08	1,078640E+09	1,272064E+09	1,272049E+09	1,078599E+09	7,769641E+08
1018	4,670160E+08	2,318168E+08	1,153331E+08	1,153322E+08	2,318152E+08	4,670182E+08	7,769770E+08	1,078624E+09	1,272074E+09	1,272080E+09	1,078640E+09	7,770019E+08
1019	4,670467E+08	2,318379E+08	1,153416E+08	1,153376E+08	2,318297E+08	4,670442E+08	7,770035E+08	1,078636E+09	1,272066E+09	1,272060E+09	1,078621E+09	7,769847E+08
1020	4,670274E+08	2,318224E+08	1,153376E+08	1,153419E+08	2,318325E+08	4,670381E+08	7,769963E+08	1,078637E+09	1,272073E+09	1,272061E+09	1,078610E+09	7,769721E+08
1021	4,670226E+08	2,318254E+08	1,153430E+08	1,153412E+08	2,318222E+08	4,670180E+08	7,769676E+08	1,078605E+09	1,272051E+09	1,272065E+09	1,078640E+09	7,770111E+08
1022	4,670601E+08	2,318529E+08	1,153601E+08	1,153610E+08	2,318556E+08	4,670618E+08	7,770054E+08	1,078618E+09	1,272025E+09	1,272012E+09	1,078585E+09	7,769664E+08
1023	4,670274E+08	2,318388E+08	1,153625E+08	1,153681E+08	2,318540E+08	4,670466E+08	7,769789E+08	1,078586E+09	1,272001E+09	1,271999E+09	1,078582E+09	7,769764E+08
1024	4,670509E+08	2,318677E+08	1,153849E+08	1,153807E+08	2,318577E+08	4,670415E+08	7,769670E+08	1,078564E+09	1,271967E+09	1,271971E+09	1,078577E+09	7,769939E+08
1025	4,670770E+08	2,318871E+08	1,154012E+08	1,154047E+08	2,318924E+08	4,670721E+08	7,769822E+08	1,078567E+09	1,271958E+09	1,271940E+09	1,078522E+09	7,769365E+08
1026	4,670413E+08	2,318793E+08	1,154080E+08	1,154098E+08	2,318840E+08	4,670462E+08	7,769379E+08	1,078516E+09	1,271922E+09	1,271934E+09	1,078544E+09	7,769702E+08
1027	4,670771E+08	2,319120E+08	1,154301E+08	1,154264E+08	2,319057E+08	4,670740E+08	7,769565E+08	1,078504E+09	1,271879E+09	1,271887E+09	1,078519E+09	7,769655E+08
1028	4,670745E+08	2,319076E+08	1,154335E+08	1,154394E+08	2,319230E+08	4,670890E+08	7,769734E+08	1,078523E+09	1,271885E+09	1,271870E+09	1,078488E+09	7,769362E+08
1029	4,670585E+08	2,319040E+08	1,154336E+08	1,154319E+08	2,319007E+08	4,670562E+08	7,769409E+08	1,078503E+09	1,271887E+09	1,271896E+09	1,078529E+09	7,769784E+08
1030	4,670940E+08	2,319261E+08	1,154413E+08	1,154380E+08	2,319184E+08	4,670891E+08	7,769809E+08	1,078534E+09	1,271895E+09	1,271878E+09	1,078496E+09	7,769418E+08
1031	4,670581E+08	2,318988E+08	1,154280E+08	1,154316E+08	2,319077E+08	4,670699E+08	7,769615E+08	1,078531E+09	1,271919E+09	1,271912E+09	1,078514E+09	7,769447E+08
1032	4,670581E+08	2,318985E+08	1,154221E+08	1,154164E+08	2,318851E+08	4,670448E+08	7,769389E+08	1,078517E+09	1,271922E+09	1,271939E+09	1,078559E+09	7,769861E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1033	4,670817E+08	2,319008E+08	1,154152E+08	1,154163E+08	2,319035E+08	4,670806E+08	7,769792E+08	1,078553E+09	1,271947E+09	1,271943E+09	1,078535E+09	7,769451E+08
1034	4,670366E+08	2,318665E+08	1,153934E+08	1,153950E+08	2,318724E+08	4,670480E+08	7,769581E+08	1,078549E+09	1,271961E+09	1,271971E+09	1,078572E+09	7,769793E+08
1035	4,670590E+08	2,318753E+08	1,153898E+08	1,153849E+08	2,318655E+08	4,670513E+08	7,769721E+08	1,078562E+09	1,271961E+09	1,271965E+09	1,078573E+09	7,769891E+08
1036	4,670642E+08	2,318680E+08	1,153816E+08	1,153846E+08	2,318743E+08	4,670662E+08	7,769967E+08	1,078602E+09	1,272002E+09	1,271978E+09	1,078549E+09	7,769477E+08
1037	4,670299E+08	2,318492E+08	1,153704E+08	1,153684E+08	2,318436E+08	4,670243E+08	7,769538E+08	1,078574E+09	1,272008E+09	1,272019E+09	1,078601E+09	7,769891E+08
1038	4,670599E+08	2,318704E+08	1,153810E+08	1,153768E+08	2,318623E+08	4,670562E+08	7,769854E+08	1,078585E+09	1,271990E+09	1,271986E+09	1,078573E+09	7,769686E+08
1039	4,670397E+08	2,318543E+08	1,153773E+08	1,153832E+08	2,318708E+08	4,670593E+08	7,769832E+08	1,078583E+09	1,271991E+09	1,271982E+09	1,078559E+09	7,769538E+08
1040	4,670350E+08	2,318587E+08	1,153831E+08	1,153818E+08	2,318575E+08	4,670334E+08	7,769489E+08	1,078545E+09	1,271958E+09	1,271973E+09	1,078582E+09	7,769969E+08
1041	4,670795E+08	2,318903E+08	1,154021E+08	1,154029E+08	2,318920E+08	4,670774E+08	7,769864E+08	1,078563E+09	1,271947E+09	1,271933E+09	1,078528E+09	7,769484E+08
1042	4,670465E+08	2,318779E+08	1,154056E+08	1,154097E+08	2,318873E+08	4,670564E+08	7,769564E+08	1,078534E+09	1,271926E+09	1,271920E+09	1,078525E+09	7,769556E+08
1043	4,670662E+08	2,319052E+08	1,154284E+08	1,154242E+08	2,318955E+08	4,670529E+08	7,769357E+08	1,078492E+09	1,271872E+09	1,271882E+09	1,078517E+09	7,769726E+08
1044	4,670923E+08	2,319258E+08	1,154465E+08	1,154498E+08	2,319332E+08	4,670932E+08	7,769643E+08	1,078504E+09	1,271862E+09	1,271846E+09	1,078465E+09	7,769207E+08
1045	4,670569E+08	2,319157E+08	1,154516E+08	1,154536E+08	2,319221E+08	4,670652E+08	7,769243E+08	1,078461E+09	1,271835E+09	1,271849E+09	1,078493E+09	7,769570E+08
1046	4,670932E+08	2,319465E+08	1,154712E+08	1,154677E+08	2,319410E+08	4,670936E+08	7,769543E+08	1,078468E+09	1,271805E+09	1,271801E+09	1,078458E+09	7,769446E+08
1047	4,670881E+08	2,319403E+08	1,154719E+08	1,154784E+08	2,319575E+08	4,671075E+08	7,769666E+08	1,078489E+09	1,271828E+09	1,271803E+09	1,078433E+09	7,769114E+08
1048	4,670679E+08	2,319351E+08	1,154700E+08	1,154675E+08	2,319294E+08	4,670643E+08	7,769200E+08	1,078455E+09	1,271822E+09	1,271833E+09	1,078484E+09	7,769619E+08
1049	4,671063E+08	2,319565E+08	1,154768E+08	1,154735E+08	2,319481E+08	4,670974E+08	7,769557E+08	1,078482E+09	1,271835E+09	1,271828E+09	1,078461E+09	7,769300E+08
1050	4,670704E+08	2,319273E+08	1,154613E+08	1,154647E+08	2,319355E+08	4,670785E+08	7,769391E+08	1,078480E+09	1,271853E+09	1,271854E+09	1,078481E+09	7,769367E+08
1051	4,670706E+08	2,319246E+08	1,154535E+08	1,154491E+08	2,319155E+08	4,670586E+08	7,769185E+08	1,078456E+09	1,271835E+09	1,271861E+09	1,078512E+09	7,769756E+08
1052	4,670979E+08	2,319306E+08	1,154481E+08	1,154486E+08	2,319322E+08	4,670974E+08	7,769719E+08	1,078511E+09	1,271869E+09	1,271858E+09	1,078482E+09	7,769325E+08
1053	4,670529E+08	2,318976E+08	1,154275E+08	1,154279E+08	2,318986E+08	4,670575E+08	7,769452E+08	1,078511E+09	1,271900E+09	1,271902E+09	1,078522E+09	7,769623E+08
1054	4,670730E+08	2,319068E+08	1,154258E+08	1,154195E+08	2,318926E+08	4,670613E+08	7,769608E+08	1,078526E+09	1,271902E+09	1,271896E+09	1,078516E+09	7,769629E+08
1055	4,670726E+08	2,318981E+08	1,154185E+08	1,154222E+08	2,319071E+08	4,670804E+08	7,769804E+08	1,078557E+09	1,271941E+09	1,271917E+09	1,078502E+09	7,769234E+08
1056	4,670359E+08	2,318785E+08	1,154075E+08	1,154066E+08	2,318774E+08	4,670384E+08	7,769322E+08	1,078515E+09	1,271929E+09	1,271948E+09	1,078560E+09	7,769774E+08
1057	4,670733E+08	2,319012E+08	1,154186E+08	1,154159E+08	2,318976E+08	4,670741E+08	7,769692E+08	1,078531E+09	1,271915E+09	1,271917E+09	1,078530E+09	7,769586E+08
1058	4,670568E+08	2,318869E+08	1,154148E+08	1,154207E+08	2,319026E+08	4,670738E+08	7,769710E+08	1,078539E+09	1,271920E+09	1,271908E+09	1,078510E+09	7,769419E+08
1059	4,670532E+08	2,318932E+08	1,154219E+08	1,154210E+08	2,318919E+08	4,670465E+08	7,769262E+08	1,078485E+09	1,271873E+09	1,271887E+09	1,078523E+09	7,769786E+08
1060	4,670988E+08	2,319296E+08	1,154451E+08	1,154442E+08	2,319261E+08	4,670909E+08	7,769665E+08	1,078506E+09	1,271861E+09	1,271843E+09	1,078469E+09	7,769300E+08
1061	4,670637E+08	2,319174E+08	1,154509E+08	1,154542E+08	2,319236E+08	4,670674E+08	7,769304E+08	1,078472E+09	1,271840E+09	1,271838E+09	1,078472E+09	7,769383E+08
1062	4,670819E+08	2,319430E+08	1,154734E+08	1,154695E+08	2,319348E+08	4,670722E+08	7,769204E+08	1,078433E+09	1,271780E+09	1,271788E+09	1,078453E+09	7,769489E+08
1063	4,671045E+08	2,319609E+08	1,154897E+08	1,154947E+08	2,319749E+08	4,671188E+08	7,769571E+08	1,078453E+09	1,271776E+09	1,271757E+09	1,078404E+09	7,768966E+08
1064	4,670683E+08	2,319496E+08	1,154922E+08	1,154948E+08	2,319577E+08	4,670826E+08	7,769124E+08	1,078412E+09	1,271753E+09	1,271762E+09	1,078435E+09	7,769396E+08
1065	4,671091E+08	2,319807E+08	1,155105E+08	1,155067E+08	2,319736E+08	4,671066E+08	7,769376E+08	1,078426E+09	1,271747E+09	1,271739E+09	1,078409E+09	7,769263E+08
1066	4,671030E+08	2,319742E+08	1,155097E+08	1,155146E+08	2,319854E+08	4,671138E+08	7,769452E+08	1,078445E+09	1,271771E+09	1,271748E+09	1,078393E+09	7,768962E+08
1067	4,670808E+08	2,319662E+08	1,155061E+08	1,155039E+08	2,319604E+08	4,670714E+08	7,768880E+08	1,078389E+09	1,271743E+09	1,271765E+09	1,078442E+09	7,769487E+08
1068	4,671208E+08	2,319885E+08	1,155133E+08	1,155095E+08	2,319797E+08	4,671122E+08	7,769369E+08	1,078423E+09	1,271750E+09	1,271749E+09	1,078420E+09	7,769226E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1069	4,670860E+08	2,319581E+08	1,154968E+08	1,155002E+08	2,319656E+08	4,670922E+08	7,769256E+08	1,078431E+09	1,271776E+09	1,271779E+09	1,078437E+09	7,769275E+08
1070	4,670864E+08	2,319541E+08	1,154872E+08	1,154827E+08	2,319444E+08	4,670755E+08	7,769168E+08	1,078423E+09	1,271767E+09	1,271781E+09	1,078454E+09	7,769538E+08
1071	4,671092E+08	2,319596E+08	1,154818E+08	1,154826E+08	2,319623E+08	4,671150E+08	7,769677E+08	1,078480E+09	1,271815E+09	1,271794E+09	1,078429E+09	7,769058E+08
1072	4,670597E+08	2,319258E+08	1,154609E+08	1,154610E+08	2,319254E+08	4,670662E+08	7,769279E+08	1,078468E+09	1,271838E+09	1,271842E+09	1,078479E+09	7,769435E+08
1073	4,670816E+08	2,319346E+08	1,154600E+08	1,154549E+08	2,319230E+08	4,670716E+08	7,769387E+08	1,078479E+09	1,271847E+09	1,271847E+09	1,078481E+09	7,769486E+08
1074	4,670828E+08	2,319263E+08	1,154526E+08	1,154570E+08	2,319374E+08	4,670928E+08	7,769616E+08	1,078506E+09	1,271873E+09	1,271857E+09	1,078467E+09	7,769143E+08
1075	4,670491E+08	2,319067E+08	1,154418E+08	1,154428E+08	2,319105E+08	4,670532E+08	7,769119E+08	1,078452E+09	1,271836E+09	1,271862E+09	1,078509E+09	7,769672E+08
1076	4,670933E+08	2,319363E+08	1,154569E+08	1,154535E+08	2,319294E+08	4,670897E+08	7,769573E+08	1,078480E+09	1,271826E+09	1,271822E+09	1,078473E+09	7,769474E+08
1077	4,670782E+08	2,319256E+08	1,154566E+08	1,154609E+08	2,319341E+08	4,670826E+08	7,769496E+08	1,078486E+09	1,271840E+09	1,271823E+09	1,078452E+09	7,769239E+08
1078	4,670721E+08	2,319330E+08	1,154664E+08	1,154640E+08	2,319264E+08	4,670597E+08	7,769089E+08	1,078430E+09	1,271788E+09	1,271797E+09	1,078455E+09	7,769490E+08
1079	4,671107E+08	2,319678E+08	1,154907E+08	1,154904E+08	2,319670E+08	4,671104E+08	7,769481E+08	1,078447E+09	1,271776E+09	1,271760E+09	1,078407E+09	7,769000E+08
1080	4,670719E+08	2,319530E+08	1,154949E+08	1,154994E+08	2,319643E+08	4,670875E+08	7,769125E+08	1,078409E+09	1,271748E+09	1,271751E+09	1,078416E+09	7,769189E+08
1081	4,670947E+08	2,319769E+08	1,155154E+08	1,155133E+08	2,319748E+08	4,670941E+08	7,769095E+08	1,078387E+09	1,271709E+09	1,271714E+09	1,078401E+09	7,769315E+08
1082	4,671191E+08	2,319946E+08	1,155289E+08	1,155341E+08	2,320086E+08	4,671348E+08	7,769481E+08	1,078416E+09	1,271714E+09	1,271689E+09	1,078357E+09	7,768827E+08
1083	4,670843E+08	2,319830E+08	1,155303E+08	1,155331E+08	2,319901E+08	4,670933E+08	7,768909E+08	1,078359E+09	1,271679E+09	1,271691E+09	1,078387E+09	7,769253E+08
1084	4,671274E+08	2,320173E+08	1,155502E+08	1,155445E+08	2,320031E+08	4,671150E+08	7,769161E+08	1,078372E+09	1,271670E+09	1,271667E+09	1,078368E+09	7,769167E+08
1085	4,671200E+08	2,320098E+08	1,155497E+08	1,155534E+08	2,320159E+08	4,671195E+08	7,769157E+08	1,078383E+09	1,271694E+09	1,271682E+09	1,078357E+09	7,768883E+08
1086	4,670971E+08	2,319993E+08	1,155442E+08	1,155418E+08	2,319936E+08	4,670882E+08	7,768726E+08	1,078329E+09	1,271653E+09	1,271681E+09	1,078389E+09	7,769314E+08
1087	4,671330E+08	2,320186E+08	1,155491E+08	1,155465E+08	2,320138E+08	4,671331E+08	7,769300E+08	1,078376E+09	1,271669E+09	1,271667E+09	1,078363E+09	7,769005E+08
1088	4,670963E+08	2,319870E+08	1,155302E+08	1,155341E+08	2,319954E+08	4,671070E+08	7,769168E+08	1,078391E+09	1,271703E+09	1,271699E+09	1,078381E+09	7,769084E+08
1089	4,670982E+08	2,319827E+08	1,155200E+08	1,155158E+08	2,319725E+08	4,670866E+08	7,769037E+08	1,078390E+09	1,271721E+09	1,271724E+09	1,078404E+09	7,769303E+08
1090	4,671168E+08	2,319870E+08	1,155139E+08	1,155142E+08	2,319877E+08	4,671224E+08	7,769524E+08	1,078444E+09	1,271766E+09	1,271746E+09	1,078392E+09	7,768887E+08
1091	4,670676E+08	2,319519E+08	1,154931E+08	1,154946E+08	2,319552E+08	4,670757E+08	7,769036E+08	1,078410E+09	1,271766E+09	1,271780E+09	1,078441E+09	7,769312E+08
1092	4,670937E+08	2,319638E+08	1,154942E+08	1,154891E+08	2,319529E+08	4,670862E+08	7,769241E+08	1,078426E+09	1,271765E+09	1,271773E+09	1,078444E+09	7,769437E+08
1093	4,670990E+08	2,319579E+08	1,154889E+08	1,154930E+08	2,319670E+08	4,671044E+08	7,769468E+08	1,078458E+09	1,271797E+09	1,271783E+09	1,078424E+09	7,769074E+08
1094	4,670690E+08	2,319410E+08	1,154796E+08	1,154800E+08	2,319422E+08	4,670695E+08	7,769030E+08	1,078406E+09	1,271757E+09	1,271774E+09	1,078446E+09	7,769456E+08
1095	4,671094E+08	2,319728E+08	1,154976E+08	1,154939E+08	2,319638E+08	4,671050E+08	7,769432E+08	1,078433E+09	1,271752E+09	1,271743E+09	1,078411E+09	7,769195E+08
1096	4,670902E+08	2,319623E+08	1,154988E+08	1,155029E+08	2,319688E+08	4,670936E+08	7,769263E+08	1,078427E+09	1,271756E+09	1,271742E+09	1,078397E+09	7,769023E+08
1097	4,670844E+08	2,319688E+08	1,155096E+08	1,155085E+08	2,319655E+08	4,670745E+08	7,768846E+08	1,078373E+09	1,271714E+09	1,271725E+09	1,078403E+09	7,769271E+08
1098	4,671210E+08	2,320018E+08	1,155324E+08	1,155332E+08	2,320054E+08	4,671297E+08	7,769333E+08	1,078391E+09	1,271694E+09	1,271683E+09	1,078360E+09	7,768851E+08
1099	4,670857E+08	2,319861E+08	1,155353E+08	1,155418E+08	2,320029E+08	4,671064E+08	7,768965E+08	1,078349E+09	1,271653E+09	1,271659E+09	1,078359E+09	7,769042E+08
1100	4,671138E+08	2,320145E+08	1,155570E+08	1,155542E+08	2,320093E+08	4,671107E+08	7,768983E+08	1,078339E+09	1,271624E+09	1,271625E+09	1,078347E+09	7,769195E+08
1101	4,671392E+08	2,320344E+08	1,155724E+08	1,155756E+08	2,320406E+08	4,671424E+08	7,769248E+08	1,078364E+09	1,271642E+09	1,271616E+09	1,078308E+09	7,768694E+08
1102	4,671039E+08	2,320222E+08	1,155736E+08	1,155747E+08	2,320238E+08	4,671053E+08	7,768702E+08	1,078301E+09	1,271597E+09	1,271610E+09	1,078331E+09	7,769040E+08
1103	4,671409E+08	2,320536E+08	1,155927E+08	1,155873E+08	2,320407E+08	4,671309E+08	7,768956E+08	1,078313E+09	1,271587E+09	1,271590E+09	1,078317E+09	7,768954E+08
1104	4,671303E+08	2,320420E+08	1,155882E+08	1,155927E+08	2,320511E+08	4,671359E+08	7,768980E+08	1,078323E+09	1,271603E+09	1,271597E+09	1,078307E+09	7,768740E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1105	4,671094E+08	2,320284E+08	1,155792E+08	1,155784E+08	2,320272E+08	4,671064E+08	7,768643E+08	1,078292E+09	1,271591E+09	1,271610E+09	1,078337E+09	7,769123E+08
1106	4,671429E+08	2,320454E+08	1,155804E+08	1,155781E+08	2,320416E+08	4,671476E+08	7,769254E+08	1,078348E+09	1,271617E+09	1,271606E+09	1,078317E+09	7,768828E+08
1107	4,671058E+08	2,320124E+08	1,155601E+08	1,155645E+08	2,320215E+08	4,671161E+08	7,769014E+08	1,078350E+09	1,271645E+09	1,271638E+09	1,078336E+09	7,768906E+08
1108	4,671092E+08	2,320111E+08	1,155519E+08	1,155467E+08	2,319974E+08	4,670945E+08	7,768888E+08	1,078351E+09	1,271660E+09	1,271666E+09	1,078371E+09	7,769208E+08
1109	4,671280E+08	2,320162E+08	1,155481E+08	1,155477E+08	2,320143E+08	4,671271E+08	7,769268E+08	1,078393E+09	1,271701E+09	1,271690E+09	1,078363E+09	7,768840E+08
1110	4,670827E+08	2,319818E+08	1,155277E+08	1,155291E+08	2,319857E+08	4,670918E+08	7,768903E+08	1,078355E+09	1,271682E+09	1,271702E+09	1,078394E+09	7,769178E+08
1111	4,671079E+08	2,319951E+08	1,155306E+08	1,155260E+08	2,319854E+08	4,671028E+08	7,769138E+08	1,078377E+09	1,271684E+09	1,271691E+09	1,078389E+09	7,769247E+08
1112	4,671134E+08	2,319911E+08	1,155258E+08	1,155296E+08	2,319976E+08	4,671155E+08	7,769299E+08	1,078408E+09	1,271716E+09	1,271697E+09	1,078366E+09	7,768892E+08
1113	4,670846E+08	2,319761E+08	1,155192E+08	1,155195E+08	2,319755E+08	4,670807E+08	7,768831E+08	1,078362E+09	1,271695E+09	1,271702E+09	1,078387E+09	7,769195E+08
1114	4,671201E+08	2,320070E+08	1,155378E+08	1,155340E+08	2,319978E+08	4,671166E+08	7,769228E+08	1,078382E+09	1,271682E+09	1,271674E+09	1,078362E+09	7,768986E+08
1115	4,671002E+08	2,319949E+08	1,155394E+08	1,155455E+08	2,320079E+08	4,671098E+08	7,769026E+08	1,078361E+09	1,271664E+09	1,271657E+09	1,078344E+09	7,768850E+08
1116	4,670983E+08	2,320043E+08	1,155516E+08	1,155511E+08	2,320040E+08	4,670960E+08	7,768742E+08	1,078318E+09	1,271620E+09	1,271636E+09	1,078355E+09	7,769166E+08
1117	4,671371E+08	2,320380E+08	1,155751E+08	1,155759E+08	2,320415E+08	4,671457E+08	7,769204E+08	1,078343E+09	1,271614E+09	1,271602E+09	1,078311E+09	7,768757E+08
1118	4,671069E+08	2,320248E+08	1,155781E+08	1,155836E+08	2,320390E+08	4,671257E+08	7,768875E+08	1,078301E+09	1,271574E+09	1,271572E+09	1,078297E+09	7,768834E+08
1119	4,671311E+08	2,320538E+08	1,156009E+08	1,155971E+08	2,320447E+08	4,671242E+08	7,768812E+08	1,078289E+09	1,271551E+09	1,271550E+09	1,078291E+09	7,768959E+08
1120	4,671533E+08	2,320720E+08	1,156153E+08	1,156178E+08	2,320749E+08	4,671510E+08	7,768976E+08	1,078303E+09	1,271559E+09	1,271539E+09	1,078260E+09	7,768545E+08
1121	4,671188E+08	2,320574E+08	1,156152E+08	1,156172E+08	2,320612E+08	4,671183E+08	7,768439E+08	1,078243E+09	1,271522E+09	1,271536E+09	1,078281E+09	7,768860E+08
1122	4,671515E+08	2,320838E+08	1,156294E+08	1,156252E+08	2,320750E+08	4,671478E+08	7,768810E+08	1,078259E+09	1,271506E+09	1,271513E+09	1,078270E+09	7,768820E+08
1123	4,671423E+08	2,320698E+08	1,156219E+08	1,156280E+08	2,320833E+08	4,671520E+08	7,768855E+08	1,078272E+09	1,271517E+09	1,271510E+09	1,078251E+09	7,768582E+08
1124	4,671244E+08	2,320592E+08	1,156127E+08	1,156107E+08	2,320542E+08	4,671192E+08	7,768565E+08	1,078256E+09	1,271522E+09	1,271534E+09	1,078288E+09	7,768967E+08
1125	4,671552E+08	2,320765E+08	1,156152E+08	1,156109E+08	2,320663E+08	4,671521E+08	7,769065E+08	1,078310E+09	1,271565E+09	1,271550E+09	1,078276E+09	7,768688E+08
1126	4,671194E+08	2,320439E+08	1,155953E+08	1,155980E+08	2,320495E+08	4,671271E+08	7,768843E+08	1,078303E+09	1,271579E+09	1,271574E+09	1,078290E+09	7,768707E+08
1127	4,671182E+08	2,320407E+08	1,155877E+08	1,155828E+08	2,320293E+08	4,671084E+08	7,768718E+08	1,078301E+09	1,271591E+09	1,271603E+09	1,078329E+09	7,769040E+08
1128	4,671375E+08	2,320442E+08	1,155822E+08	1,155826E+08	2,320451E+08	4,671407E+08	7,769108E+08	1,078340E+09	1,271623E+09	1,271616E+09	1,078321E+09	7,768758E+08
1129	4,670972E+08	2,320107E+08	1,155620E+08	1,155645E+08	2,320175E+08	4,671062E+08	7,768787E+08	1,078319E+09	1,271622E+09	1,271631E+09	1,078343E+09	7,769015E+08
1130	4,671201E+08	2,320242E+08	1,155644E+08	1,155601E+08	2,320151E+08	4,671156E+08	7,769020E+08	1,078339E+09	1,271623E+09	1,271625E+09	1,078342E+09	7,769086E+08
1131	4,671261E+08	2,320216E+08	1,155615E+08	1,155656E+08	2,320282E+08	4,671255E+08	7,769086E+08	1,078353E+09	1,271639E+09	1,271621E+09	1,078314E+09	7,768706E+08
1132	4,670986E+08	2,320106E+08	1,155585E+08	1,155584E+08	2,320086E+08	4,670932E+08	7,768644E+08	1,078309E+09	1,271613E+09	1,271626E+09	1,078342E+09	7,769049E+08
1133	4,671327E+08	2,320422E+08	1,155800E+08	1,155761E+08	2,320339E+08	4,671295E+08	7,768988E+08	1,078322E+09	1,271600E+09	1,271597E+09	1,078316E+09	7,768878E+08
1134	4,671177E+08	2,320313E+08	1,155817E+08	1,155879E+08	2,320472E+08	4,671338E+08	7,768921E+08	1,078301E+09	1,271567E+09	1,271561E+09	1,078282E+09	7,768660E+08
1135	4,671147E+08	2,320419E+08	1,155954E+08	1,155953E+08	2,320431E+08	4,671172E+08	7,768666E+08	1,078271E+09	1,271535E+09	1,271543E+09	1,078290E+09	7,768950E+08
1136	4,671537E+08	2,320761E+08	1,156184E+08	1,156185E+08	2,320766E+08	4,671579E+08	7,769012E+08	1,078291E+09	1,271531E+09	1,271513E+09	1,078250E+09	7,768577E+08
1137	4,671251E+08	2,320641E+08	1,156228E+08	1,156276E+08	2,320750E+08	4,671356E+08	7,768636E+08	1,078253E+09	1,271509E+09	1,271499E+09	1,078240E+09	7,768596E+08
1138	4,671436E+08	2,320901E+08	1,156435E+08	1,156396E+08	2,320807E+08	4,671355E+08	7,768559E+08	1,078231E+09	1,271475E+09	1,271481E+09	1,078245E+09	7,768787E+08
1139	4,671646E+08	2,321045E+08	1,156553E+08	1,156590E+08	2,321115E+08	4,671650E+08	7,768711E+08	1,078233E+09	1,271464E+09	1,271454E+09	1,078209E+09	7,768401E+08
1140	4,671337E+08	2,320908E+08	1,156539E+08	1,156560E+08	2,320960E+08	4,671376E+08	7,768338E+08	1,078191E+09	1,271432E+09	1,271450E+09	1,078234E+09	7,768750E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,671665E+08	2,321160E+08	1,156665E+08	1,156617E+08	2,321058E+08	4,671606E+08	7,768681E+08	1,078218E+09	1,271437E+09	1,271438E+09	1,078221E+09	7,768707E+08
1142	4,671601E+08	2,321025E+08	1,156574E+08	1,156618E+08	2,321132E+08	4,671691E+08	7,768780E+08	1,078233E+09	1,271452E+09	1,271435E+09	1,078194E+09	7,768359E+08
1143	4,671362E+08	2,320910E+08	1,156490E+08	1,156458E+08	2,320831E+08	4,671309E+08	7,768447E+08	1,078219E+09	1,271467E+09	1,271475E+09	1,078241E+09	7,768740E+08
1144	4,671632E+08	2,321050E+08	1,156497E+08	1,156452E+08	2,320943E+08	4,671589E+08	7,768836E+08	1,078261E+09	1,271501E+09	1,271492E+09	1,078240E+09	7,768572E+08
1145	4,671302E+08	2,320717E+08	1,156295E+08	1,156332E+08	2,320808E+08	4,671387E+08	7,768639E+08	1,078258E+09	1,271523E+09	1,271517E+09	1,078251E+09	7,768571E+08
1146	4,671270E+08	2,320655E+08	1,156189E+08	1,156153E+08	2,320592E+08	4,671237E+08	7,768595E+08	1,078255E+09	1,271522E+09	1,271538E+09	1,078291E+09	7,768949E+08
1147	4,671498E+08	2,320694E+08	1,156130E+08	1,156146E+08	2,320731E+08	4,671524E+08	7,768956E+08	1,078291E+09	1,271543E+09	1,271534E+09	1,078269E+09	7,768633E+08
1148	4,671145E+08	2,320422E+08	1,155961E+08	1,155976E+08	2,320452E+08	4,671178E+08	7,768662E+08	1,078276E+09	1,271548E+09	1,271553E+09	1,078293E+09	7,768864E+08
1149	4,671350E+08	2,320581E+08	1,156025E+08	1,155965E+08	2,320437E+08	4,671218E+08	7,768782E+08	1,078290E+09	1,271556E+09	1,271556E+09	1,078294E+09	7,768937E+08
1150	4,671427E+08	2,320574E+08	1,156019E+08	1,156049E+08	2,320633E+08	4,671428E+08	7,768899E+08	1,078294E+09	1,271554E+09	1,271538E+09	1,078257E+09	7,768479E+08
1151	4,671105E+08	2,320461E+08	1,156012E+08	1,156015E+08	2,320474E+08	4,671132E+08	7,768498E+08	1,078253E+09	1,271529E+09	1,271543E+09	1,078284E+09	7,768824E+08
1152	4,671436E+08	2,320754E+08	1,156213E+08	1,156184E+08	2,320715E+08	4,671482E+08	7,768854E+08	1,078269E+09	1,271513E+09	1,271510E+09	1,078261E+09	7,768731E+08
1153	4,671345E+08	2,320668E+08	1,156236E+08	1,156307E+08	2,320850E+08	4,671511E+08	7,768803E+08	1,078264E+09	1,271504E+09	1,271481E+09	1,078221E+09	7,768437E+08
1154	4,671282E+08	2,320764E+08	1,156359E+08	1,156358E+08	2,320777E+08	4,671314E+08	7,768514E+08	1,078227E+09	1,271469E+09	1,271472E+09	1,078239E+09	7,768773E+08
1155	4,671683E+08	2,321110E+08	1,156596E+08	1,156595E+08	2,321099E+08	4,671666E+08	7,768748E+08	1,078230E+09	1,271449E+09	1,271435E+09	1,078199E+09	7,768423E+08
1156	4,671430E+08	2,321025E+08	1,156661E+08	1,156701E+08	2,321104E+08	4,671467E+08	7,768373E+08	1,078189E+09	1,271418E+09	1,271421E+09	1,078197E+09	7,768485E+08
1157	4,671600E+08	2,321273E+08	1,156870E+08	1,156825E+08	2,321172E+08	4,671479E+08	7,768274E+08	1,078162E+09	1,271385E+09	1,271401E+09	1,078200E+09	7,768705E+08
1158	4,671844E+08	2,321411E+08	1,156966E+08	1,156996E+08	2,321490E+08	4,671882E+08	7,768584E+08	1,078170E+09	1,271363E+09	1,271355E+09	1,078145E+09	7,768204E+08
1159	4,671497E+08	2,321265E+08	1,156945E+08	1,156962E+08	2,321313E+08	4,671570E+08	7,768269E+08	1,078148E+09	1,271354E+09	1,271361E+09	1,078166E+09	7,768494E+08
1160	4,671787E+08	2,321484E+08	1,157041E+08	1,156988E+08	2,321366E+08	4,671724E+08	7,768536E+08	1,078177E+09	1,271371E+09	1,271363E+09	1,078164E+09	7,768496E+08
1161	4,671728E+08	2,321346E+08	1,156947E+08	1,156989E+08	2,321439E+08	4,671788E+08	7,768614E+08	1,078200E+09	1,271405E+09	1,271378E+09	1,078145E+09	7,768117E+08
1162	4,671419E+08	2,321179E+08	1,156828E+08	1,156806E+08	2,321137E+08	4,671433E+08	7,768282E+08	1,078177E+09	1,271411E+09	1,271425E+09	1,078208E+09	7,768606E+08
1163	4,671699E+08	2,321285E+08	1,156811E+08	1,156781E+08	2,321235E+08	4,671716E+08	7,768647E+08	1,078206E+09	1,271425E+09	1,271426E+09	1,078204E+09	7,768496E+08
1164	4,671439E+08	2,320983E+08	1,156608E+08	1,156649E+08	2,321088E+08	4,671540E+08	7,768554E+08	1,078214E+09	1,271448E+09	1,271450E+09	1,078216E+09	7,768514E+08
1165	4,671425E+08	2,320941E+08	1,156511E+08	1,156471E+08	2,320854E+08	4,671330E+08	7,768435E+08	1,078214E+09	1,271460E+09	1,271474E+09	1,078248E+09	7,768872E+08
1166	4,671694E+08	2,321015E+08	1,156467E+08	1,156464E+08	2,321004E+08	4,671659E+08	7,768808E+08	1,078244E+09	1,271472E+09	1,271458E+09	1,078212E+09	7,768421E+08
1167	4,671290E+08	2,320765E+08	1,156344E+08	1,156347E+08	2,320757E+08	4,671294E+08	7,768503E+08	1,078231E+09	1,271481E+09	1,271482E+09	1,078236E+09	7,768621E+08
1168	4,671456E+08	2,320902E+08	1,156413E+08	1,156358E+08	2,320770E+08	4,671322E+08	7,768533E+08	1,078232E+09	1,271477E+09	1,271480E+09	1,078244E+09	7,768762E+08
1169	4,671553E+08	2,320904E+08	1,156422E+08	1,156464E+08	2,321008E+08	4,671601E+08	7,768729E+08	1,078245E+09	1,271481E+09	1,271461E+09	1,078202E+09	7,768271E+08
1170	4,671202E+08	2,320765E+08	1,156398E+08	1,156418E+08	2,320844E+08	4,671345E+08	7,768414E+08	1,078206E+09	1,271451E+09	1,271464E+09	1,078234E+09	7,768664E+08
1171	4,671563E+08	2,321062E+08	1,156594E+08	1,156574E+08	2,321045E+08	4,671621E+08	7,768690E+08	1,078216E+09	1,271429E+09	1,271422E+09	1,078202E+09	7,768566E+08
1172	4,671535E+08	2,321046E+08	1,156653E+08	1,156711E+08	2,321179E+08	4,671631E+08	7,768618E+08	1,078212E+09	1,271425E+09	1,271404E+09	1,078171E+09	7,768279E+08
1173	4,671467E+08	2,321165E+08	1,156809E+08	1,156791E+08	2,321117E+08	4,671381E+08	7,768196E+08	1,078165E+09	1,271391E+09	1,271400E+09	1,078192E+09	7,768649E+08
1174	4,671891E+08	2,321517E+08	1,157049E+08	1,157036E+08	2,321486E+08	4,671834E+08	7,768481E+08	1,078157E+09	1,271350E+09	1,271344E+09	1,078140E+09	7,768228E+08
1175	4,671594E+08	2,321420E+08	1,157122E+08	1,157164E+08	2,321518E+08	4,671682E+08	7,768216E+08	1,078126E+09	1,271322E+09	1,271326E+09	1,078134E+09	7,768278E+08
1176	4,671744E+08	2,321620E+08	1,157289E+08	1,157254E+08	2,321554E+08	4,671676E+08	7,768149E+08	1,078108E+09	1,271295E+09	1,271308E+09	1,078140E+09	7,768529E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,672005E+08	2,321755E+08	1,157364E+08	1,157400E+08	2,321847E+08	4,672065E+08	7,768518E+08	1,078139E+09	1,271303E+09	1,271277E+09	1,078084E+09	7,767948E+08
1178	4,671591E+08	2,321566E+08	1,157304E+08	1,157324E+08	2,321628E+08	4,671730E+08	7,768194E+08	1,078116E+09	1,271302E+09	1,271304E+09	1,078120E+09	7,768284E+08
1179	4,671856E+08	2,321747E+08	1,157377E+08	1,157328E+08	2,321642E+08	4,671807E+08	7,768345E+08	1,078131E+09	1,271309E+09	1,271304E+09	1,078123E+09	7,768343E+08
1180	4,671845E+08	2,321637E+08	1,157289E+08	1,157330E+08	2,321727E+08	4,671886E+08	7,768413E+08	1,078149E+09	1,271340E+09	1,271325E+09	1,078118E+09	7,768047E+08
1181	4,671547E+08	2,321460E+08	1,157162E+08	1,157139E+08	2,321418E+08	4,671527E+08	7,768054E+08	1,078122E+09	1,271341E+09	1,271366E+09	1,078178E+09	7,768595E+08
1182	4,671890E+08	2,321583E+08	1,157134E+08	1,157096E+08	2,321517E+08	4,671879E+08	7,768518E+08	1,078152E+09	1,271340E+09	1,271343E+09	1,078153E+09	7,768372E+08
1183	4,671616E+08	2,321307E+08	1,156957E+08	1,156986E+08	2,321364E+08	4,671656E+08	7,768433E+08	1,078172E+09	1,271375E+09	1,271367E+09	1,078155E+09	7,768304E+08
1184	4,671568E+08	2,321255E+08	1,156863E+08	1,156815E+08	2,321129E+08	4,671406E+08	7,768228E+08	1,078165E+09	1,271390E+09	1,271399E+09	1,078193E+09	7,768663E+08
1185	4,671830E+08	2,321350E+08	1,156849E+08	1,156841E+08	2,321317E+08	4,671756E+08	7,768612E+08	1,078202E+09	1,271412E+09	1,271391E+09	1,078157E+09	7,768144E+08
1186	4,671346E+08	2,321056E+08	1,156712E+08	1,156732E+08	2,321107E+08	4,671466E+08	7,768347E+08	1,078182E+09	1,271412E+09	1,271417E+09	1,078192E+09	7,768417E+08
1187	4,671509E+08	2,321164E+08	1,156772E+08	1,156739E+08	2,321115E+08	4,671503E+08	7,768391E+08	1,078177E+09	1,271394E+09	1,271401E+09	1,078195E+09	7,768610E+08
1188	4,671689E+08	2,321217E+08	1,156797E+08	1,156849E+08	2,321350E+08	4,671790E+08	7,768650E+08	1,078198E+09	1,271402E+09	1,271386E+09	1,078158E+09	7,768159E+08
1189	4,671371E+08	2,321109E+08	1,156792E+08	1,156809E+08	2,321168E+08	4,671468E+08	7,768243E+08	1,078160E+09	1,271382E+09	1,271394E+09	1,078187E+09	7,768568E+08
1190	4,671786E+08	2,321449E+08	1,157008E+08	1,156970E+08	2,321377E+08	4,671768E+08	7,768492E+08	1,078158E+09	1,271345E+09	1,271338E+09	1,078145E+09	7,768372E+08
1191	4,671726E+08	2,321461E+08	1,157115E+08	1,157159E+08	2,321543E+08	4,671751E+08	7,768385E+08	1,078152E+09	1,271341E+09	1,271322E+09	1,078113E+09	7,768070E+08
1192	4,671627E+08	2,321551E+08	1,157265E+08	1,157253E+08	2,321514E+08	4,671520E+08	7,767905E+08	1,078093E+09	1,271295E+09	1,271312E+09	1,078138E+09	7,768493E+08
1193	4,672065E+08	2,321899E+08	1,157500E+08	1,157498E+08	2,321899E+08	4,672033E+08	7,768315E+08	1,078101E+09	1,271261E+09	1,271251E+09	1,078077E+09	7,767997E+08
1194	4,671710E+08	2,321752E+08	1,157531E+08	1,157592E+08	2,321914E+08	4,671923E+08	7,768166E+08	1,078080E+09	1,271239E+09	1,271237E+09	1,078074E+09	7,768063E+08
1195	4,671850E+08	2,321925E+08	1,157665E+08	1,157638E+08	2,321882E+08	4,671830E+08	7,768038E+08	1,078064E+09	1,271217E+09	1,271221E+09	1,078077E+09	7,768301E+08
1196	4,672144E+08	2,322094E+08	1,157745E+08	1,157771E+08	2,322151E+08	4,672186E+08	7,768383E+08	1,078096E+09	1,271239E+09	1,271216E+09	1,078041E+09	7,767774E+08
1197	4,671723E+08	2,321900E+08	1,157686E+08	1,157694E+08	2,321918E+08	4,671795E+08	7,767952E+08	1,078067E+09	1,271244E+09	1,271253E+09	1,078088E+09	7,768190E+08
1198	4,672013E+08	2,322070E+08	1,157736E+08	1,157678E+08	2,321947E+08	4,671938E+08	7,768119E+08	1,078071E+09	1,271230E+09	1,271236E+09	1,078082E+09	7,768219E+08
1199	4,671987E+08	2,321958E+08	1,157656E+08	1,157694E+08	2,322038E+08	4,672033E+08	7,768272E+08	1,078099E+09	1,271264E+09	1,271253E+09	1,078072E+09	7,767930E+08
1200	4,671695E+08	2,321749E+08	1,157498E+08	1,157481E+08	2,321711E+08	4,671648E+08	7,767897E+08	1,078073E+09	1,271265E+09	1,271289E+09	1,078129E+09	7,768477E+08
1201	4,672053E+08	2,321886E+08	1,157470E+08	1,157430E+08	2,321794E+08	4,671980E+08	7,768401E+08	1,078120E+09	1,271282E+09	1,271273E+09	1,078098E+09	7,768142E+08
1202	4,671705E+08	2,321585E+08	1,157283E+08	1,157316E+08	2,321649E+08	4,671790E+08	7,768334E+08	1,078135E+09	1,271318E+09	1,271307E+09	1,078109E+09	7,768088E+08
1203	4,671623E+08	2,321510E+08	1,157189E+08	1,157149E+08	2,321405E+08	4,671492E+08	7,768031E+08	1,078116E+09	1,271320E+09	1,271332E+09	1,078147E+09	7,768467E+08
1204	4,671921E+08	2,321641E+08	1,157200E+08	1,157200E+08	2,321636E+08	4,671901E+08	7,768440E+08	1,078147E+09	1,271339E+09	1,271330E+09	1,078122E+09	7,768025E+08
1205	4,671466E+08	2,321356E+08	1,157074E+08	1,157102E+08	2,321436E+08	4,671621E+08	7,768183E+08	1,078129E+09	1,271336E+09	1,271349E+09	1,078153E+09	7,768345E+08
1206	4,671690E+08	2,321488E+08	1,157133E+08	1,157102E+08	2,321444E+08	4,671694E+08	7,768282E+08	1,078124E+09	1,271306E+09	1,271311E+09	1,078137E+09	7,768445E+08
1207	4,671872E+08	2,321589E+08	1,157206E+08	1,157248E+08	2,321678E+08	4,671926E+08	7,768521E+08	1,078154E+09	1,271326E+09	1,271299E+09	1,078094E+09	7,767956E+08
1208	4,671551E+08	2,321488E+08	1,157220E+08	1,157232E+08	2,321509E+08	4,671561E+08	7,767993E+08	1,078102E+09	1,271301E+09	1,271312E+09	1,078130E+09	7,768378E+08
1209	4,671971E+08	2,321856E+08	1,157467E+08	1,157425E+08	2,321748E+08	4,671874E+08	7,768253E+08	1,078103E+09	1,271266E+09	1,271258E+09	1,078087E+09	7,768121E+08
1210	4,671836E+08	2,321826E+08	1,157559E+08	1,157618E+08	2,321960E+08	4,671958E+08	7,768206E+08	1,078091E+09	1,271252E+09	1,271240E+09	1,078060E+09	7,767871E+08
1211	4,671723E+08	2,321878E+08	1,157682E+08	1,157687E+08	2,321904E+08	4,671725E+08	7,767761E+08	1,078032E+09	1,271198E+09	1,271217E+09	1,078078E+09	7,768305E+08
1212	4,672217E+08	2,322250E+08	1,157909E+08	1,157914E+08	2,322270E+08	4,672237E+08	7,768230E+08	1,078052E+09	1,271180E+09	1,271171E+09	1,078025E+09	7,767832E+08

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°
1213	4,671874E+08	2,322107E+08	1,157930E+08	1,157984E+08	2,322241E+08	4,672054E+08	7,768022E+08	1,078038E+09	1,271175E+09	1,271169E+09	1,078026E+09	7,767924E+08
1214	4,672035E+08	2,322286E+08	1,158052E+08	1,158010E+08	2,322194E+08	4,671963E+08	7,767867E+08	1,078014E+09	1,271145E+09	1,271149E+09	1,078026E+09	7,768107E+08
1215	4,672290E+08	2,322462E+08	1,158158E+08	1,158169E+08	2,322466E+08	4,672269E+08	7,768160E+08	1,078045E+09	1,271169E+09	1,271148E+09	1,077995E+09	7,767624E+08
1216	4,671860E+08	2,322227E+08	1,158075E+08	1,158085E+08	2,322251E+08	4,671896E+08	7,767680E+08	1,078004E+09	1,271163E+09	1,271183E+09	1,078049E+09	7,768103E+08
1217	4,672173E+08	2,322391E+08	1,158108E+08	1,158054E+08	2,322270E+08	4,672078E+08	7,767979E+08	1,078023E+09	1,271153E+09	1,271159E+09	1,078033E+09	7,768054E+08
1218	4,672093E+08	2,322234E+08	1,157987E+08	1,158036E+08	2,322347E+08	4,672201E+08	7,768194E+08	1,078057E+09	1,271190E+09	1,271176E+09	1,078022E+09	7,767755E+08
1219	4,671784E+08	2,322008E+08	1,157809E+08	1,157796E+08	2,321975E+08	4,671751E+08	7,767761E+08	1,078031E+09	1,271194E+09	1,271211E+09	1,078072E+09	7,768266E+08
1220	4,672170E+08	2,322181E+08	1,157802E+08	1,157759E+08	2,322066E+08	4,672073E+08	7,768233E+08	1,078074E+09	1,271220E+09	1,271215E+09	1,078056E+09	7,767958E+08
1221	4,671806E+08	2,321881E+08	1,157629E+08	1,157661E+08	2,321940E+08	4,671880E+08	7,768132E+08	1,078088E+09	1,271257E+09	1,271251E+09	1,078073E+09	7,767963E+08
1222	4,671745E+08	2,321805E+08	1,157532E+08	1,157496E+08	2,321731E+08	4,671672E+08	7,767882E+08	1,078061E+09	1,271240E+09	1,271257E+09	1,078100E+09	7,768302E+08
1223	4,672032E+08	2,321953E+08	1,157572E+08	1,157575E+08	2,321968E+08	4,672082E+08	7,768370E+08	1,078104E+09	1,271263E+09	1,271251E+09	1,078071E+09	7,767888E+08
1224	4,671615E+08	2,321666E+08	1,157440E+08	1,157477E+08	2,321765E+08	4,671770E+08	7,768062E+08	1,078084E+09	1,271263E+09	1,271272E+09	1,078102E+09	7,768213E+08
1225	4,671871E+08	2,321839E+08	1,157523E+08	1,157486E+08	2,321757E+08	4,671806E+08	7,768161E+08	1,078089E+09	1,271243E+09	1,271238E+09	1,078080E+09	7,768217E+08
1226	4,671992E+08	2,321932E+08	1,157606E+08	1,157649E+08	2,322015E+08	4,672057E+08	7,768359E+08	1,078107E+09	1,271257E+09	1,271230E+09	1,078046E+09	7,767755E+08
1227	4,671654E+08	2,321826E+08	1,157633E+08	1,157650E+08	2,321857E+08	4,671662E+08	7,767728E+08	1,078038E+09	1,271213E+09	1,271229E+09	1,078077E+09	7,768203E+08
1228	4,672120E+08	2,322224E+08	1,157899E+08	1,157865E+08	2,322139E+08	4,672037E+08	7,768009E+08	1,078033E+09	1,271174E+09	1,271181E+09	1,078043E+09	7,768001E+08
1229	4,672005E+08	2,322195E+08	1,157990E+08	1,158053E+08	2,322347E+08	4,672147E+08	7,768038E+08	1,078029E+09	1,271159E+09	1,271153E+09	1,078010E+09	7,767766E+08
1230	4,671930E+08	2,322256E+08	1,158096E+08	1,158096E+08	2,322271E+08	4,671922E+08	7,767634E+08	1,077975E+09	1,271102E+09	1,271116E+09	1,078010E+09	7,768080E+08
1231	4,672387E+08	2,322649E+08	1,158350E+08	1,158338E+08	2,322615E+08	4,672374E+08	7,768094E+08	1,078007E+09	1,271104E+09	1,271082E+09	1,077959E+09	7,767608E+08
1232	4,672041E+08	2,322488E+08	1,158363E+08	1,158409E+08	2,322587E+08	4,672151E+08	7,767779E+08	1,077984E+09	1,271101E+09	1,271095E+09	1,077973E+09	7,767727E+08
1233	4,672185E+08	2,322655E+08	1,158478E+08	1,158431E+08	2,322539E+08	4,672065E+08	7,767663E+08	1,077967E+09	1,271076E+09	1,271079E+09	1,077977E+09	7,767889E+08
1234	4,672367E+08	2,322770E+08	1,158545E+08	1,158571E+08	2,322835E+08	4,672459E+08	7,768024E+08	1,077993E+09	1,271093E+09	1,271079E+09	1,077955E+09	7,767490E+08
1235	4,671940E+08	2,322494E+08	1,158418E+08	1,158442E+08	2,322567E+08	4,672052E+08	7,767553E+08	1,077953E+09	1,271080E+09	1,271103E+09	1,078001E+09	7,767980E+08
1236	4,672308E+08	2,322674E+08	1,158435E+08	1,158387E+08	2,322563E+08	4,672213E+08	7,767863E+08	1,077979E+09	1,271086E+09	1,271095E+09	1,077993E+09	7,767936E+08
1237	4,672236E+08	2,322524E+08	1,158306E+08	1,158345E+08	2,322604E+08	4,672293E+08	7,768049E+08	1,078018E+09	1,271134E+09	1,271117E+09	1,077980E+09	7,767634E+08
1238	4,671933E+08	2,322304E+08	1,158124E+08	1,158100E+08	2,322236E+08	4,671854E+08	7,767597E+08	1,077985E+09	1,271127E+09	1,271143E+09	1,078023E+09	7,768061E+08
1239	4,672268E+08	2,322489E+08	1,158157E+08	1,158106E+08	2,322355E+08	4,672166E+08	7,768058E+08	1,078029E+09	1,271155E+09	1,271146E+09	1,078009E+09	7,767807E+08
1240	4,671921E+08	2,322170E+08	1,157981E+08	1,158023E+08	2,322266E+08	4,672015E+08	7,767938E+08	1,078035E+09	1,271182E+09	1,271182E+09	1,078031E+09	7,767852E+08
1241	4,671883E+08	2,322107E+08	1,157889E+08	1,157860E+08	2,322050E+08	4,671835E+08	7,767823E+08	1,078024E+09	1,271167E+09	1,271180E+09	1,078048E+09	7,768117E+08
1242	4,672129E+08	2,322240E+08	1,157923E+08	1,157936E+08	2,322289E+08	4,672253E+08	7,768309E+08	1,078067E+09	1,271194E+09	1,271175E+09	1,078019E+09	7,767709E+08
1243	4,671721E+08	2,321969E+08	1,157801E+08	1,157835E+08	2,322057E+08	4,671863E+08	7,767879E+08	1,078037E+09	1,271190E+09	1,271193E+09	1,078046E+09	7,768019E+08
1244	4,672023E+08	2,322199E+08	1,157928E+08	1,157884E+08	2,322082E+08	4,671886E+08	7,767891E+08	1,078029E+09	1,271171E+09	1,271176E+09	1,078038E+09	7,768060E+08
1245	4,672150E+08	2,322305E+08	1,158032E+08	1,158068E+08	2,322366E+08	4,672157E+08	7,768069E+08	1,078042E+09	1,271175E+09	1,271158E+09	1,078003E+09	7,767651E+08
1246	4,671839E+08	2,322205E+08	1,158062E+08	1,158082E+08	2,322257E+08	4,671863E+08	7,767522E+08	1,077969E+09	1,271110E+09	1,271132E+09	1,078019E+09	7,768029E+08
1247	4,672288E+08	2,322616E+08	1,158353E+08	1,158318E+08	2,322537E+08	4,672236E+08	7,767888E+08	1,077977E+09	1,271077E+09	1,271077E+09	1,077976E+09	7,767829E+08
1248	4,672189E+08	2,322571E+08	1,158427E+08	1,158496E+08	2,322738E+08	4,672327E+08	7,767894E+08	1,077978E+09	1,271074E+09	1,271060E+09	1,077946E+09	7,767570E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,672110E+08	2,322648E+08	1,158535E+08	1,158527E+08	2,322629E+08	4,672082E+08	7,767548E+08	1,077938E+09	1,271032E+09	1,271035E+09	1,077947E+09	7,767797E+08
1250	4,672473E+08	2,322994E+08	1,158771E+08	1,158761E+08	2,322976E+08	4,672528E+08	7,767952E+08	1,077962E+09	1,271036E+09	1,271014E+09	1,077911E+09	7,767392E+08
1251	4,672118E+08	2,322807E+08	1,158764E+08	1,158814E+08	2,322932E+08	4,672264E+08	7,767541E+08	1,077927E+09	1,271024E+09	1,271023E+09	1,077928E+09	7,767583E+08
1252	4,672315E+08	2,322978E+08	1,158864E+08	1,158828E+08	2,322894E+08	4,672213E+08	7,767433E+08	1,077903E+09	1,270998E+09	1,271017E+09	1,077942E+09	7,767811E+08
1253	4,672521E+08	2,323076E+08	1,158902E+08	1,158928E+08	2,323146E+08	4,672601E+08	7,767874E+08	1,077942E+09	1,271015E+09	1,271006E+09	1,077913E+09	7,767435E+08
1254	4,672132E+08	2,322804E+08	1,158748E+08	1,158766E+08	2,322855E+08	4,672190E+08	7,767426E+08	1,077905E+09	1,270998E+09	1,271014E+09	1,077941E+09	7,767800E+08
1255	4,672461E+08	2,323003E+08	1,158790E+08	1,158723E+08	2,322830E+08	4,672294E+08	7,767706E+08	1,077938E+09	1,271020E+09	1,271016E+09	1,077934E+09	7,767749E+08
1256	4,672375E+08	2,322838E+08	1,158662E+08	1,158693E+08	2,322892E+08	4,672369E+08	7,767826E+08	1,077970E+09	1,271069E+09	1,271053E+09	1,077934E+09	7,767453E+08
1257	4,672052E+08	2,322617E+08	1,158486E+08	1,158458E+08	2,322539E+08	4,671975E+08	7,767467E+08	1,077945E+09	1,271064E+09	1,271079E+09	1,077976E+09	7,767829E+08
1258	4,672300E+08	2,322742E+08	1,158498E+08	1,158464E+08	2,322693E+08	4,672367E+08	7,767987E+08	1,077989E+09	1,271090E+09	1,271083E+09	1,077969E+09	7,767649E+08
1259	4,671982E+08	2,322417E+08	1,158303E+08	1,158356E+08	2,322567E+08	4,672172E+08	7,767852E+08	1,077995E+09	1,271113E+09	1,271108E+09	1,077983E+09	7,767720E+08
1260	4,672014E+08	2,322390E+08	1,158219E+08	1,158197E+08	2,322344E+08	4,671957E+08	7,767681E+08	1,077982E+09	1,271110E+09	1,271124E+09	1,078010E+09	7,768013E+08
1261	4,672290E+08	2,322555E+08	1,158274E+08	1,158273E+08	2,322559E+08	4,672331E+08	7,768121E+08	1,078023E+09	1,271133E+09	1,271116E+09	1,077981E+09	7,767628E+08
1262	4,671913E+08	2,322318E+08	1,158180E+08	1,158202E+08	2,322363E+08	4,671947E+08	7,767618E+08	1,077976E+09	1,271106E+09	1,271113E+09	1,077994E+09	7,767850E+08
1263	4,672183E+08	2,322581E+08	1,158364E+08	1,158311E+08	2,322440E+08	4,671992E+08	7,767613E+08	1,077964E+09	1,271080E+09	1,271087E+09	1,077984E+09	7,767936E+08
1264	4,672332E+08	2,322681E+08	1,158475E+08	1,158517E+08	2,322774E+08	4,672339E+08	7,767828E+08	1,077970E+09	1,271074E+09	1,271065E+09	1,077946E+09	7,767505E+08
1265	4,672028E+08	2,322590E+08	1,158506E+08	1,158528E+08	2,322650E+08	4,672079E+08	7,767457E+08	1,077920E+09	1,271016E+09	1,271029E+09	1,077947E+09	7,767754E+08
1266	4,672394E+08	2,322963E+08	1,158780E+08	1,158755E+08	2,322932E+08	4,672456E+08	7,767835E+08	1,077937E+09	1,270999E+09	1,270985E+09	1,077907E+09	7,767555E+08
1267	4,672291E+08	2,322921E+08	1,158847E+08	1,158913E+08	2,323088E+08	4,672462E+08	7,767726E+08	1,077931E+09	1,270998E+09	1,270976E+09	1,077882E+09	7,767318E+08
1268	4,672239E+08	2,323014E+08	1,158965E+08	1,158956E+08	2,322988E+08	4,672198E+08	7,767304E+08	1,077882E+09	1,270965E+09	1,270977E+09	1,077905E+09	7,767631E+08
1269	4,672605E+08	2,323341E+08	1,159185E+08	1,159171E+08	2,323326E+08	4,672653E+08	7,767716E+08	1,077904E+09	1,270961E+09	1,270951E+09	1,077875E+09	7,767327E+08
1270	4,672295E+08	2,323148E+08	1,159153E+08	1,159204E+08	2,323286E+08	4,672432E+08	7,767348E+08	1,077865E+09	1,270933E+09	1,270939E+09	1,077879E+09	7,767468E+08
1271	4,672486E+08	2,323322E+08	1,159254E+08	1,159212E+08	2,323222E+08	4,672355E+08	7,767288E+08	1,077855E+09	1,270917E+09	1,270930E+09	1,077888E+09	7,767714E+08
1272	4,672714E+08	2,323405E+08	1,159267E+08	1,159287E+08	2,323450E+08	4,672713E+08	7,767693E+08	1,077895E+09	1,270944E+09	1,270930E+09	1,077861E+09	7,767285E+08
1273	4,672305E+08	2,323140E+08	1,159112E+08	1,159114E+08	2,323132E+08	4,672301E+08	7,767336E+08	1,077871E+09	1,270937E+09	1,270943E+09	1,077884E+09	7,767530E+08
1274	4,672518E+08	2,323283E+08	1,159140E+08	1,159076E+08	2,323135E+08	4,672423E+08	7,767578E+08	1,077900E+09	1,270961E+09	1,270956E+09	1,077889E+09	7,767528E+08
1275	4,672418E+08	2,323096E+08	1,158995E+08	1,159033E+08	2,323193E+08	4,672490E+08	7,767634E+08	1,077921E+09	1,271001E+09	1,270989E+09	1,077892E+09	7,767304E+08
1276	4,672145E+08	2,322882E+08	1,158818E+08	1,158804E+08	2,322861E+08	4,672143E+08	7,767310E+08	1,077894E+09	1,271000E+09	1,271027E+09	1,077944E+09	7,767742E+08
1277	4,672419E+08	2,323002E+08	1,158812E+08	1,158780E+08	2,322969E+08	4,672505E+08	7,767881E+08	1,077947E+09	1,271023E+09	1,271018E+09	1,077931E+09	7,767595E+08
1278	4,672164E+08	2,322715E+08	1,158625E+08	1,158672E+08	2,322837E+08	4,672281E+08	7,767697E+08	1,077949E+09	1,271040E+09	1,271029E+09	1,077929E+09	7,767561E+08
1279	4,672184E+08	2,322737E+08	1,158599E+08	1,158558E+08	2,322626E+08	4,672018E+08	7,767446E+08	1,077932E+09	1,271037E+09	1,271044E+09	1,077954E+09	7,767864E+08
1280	4,672467E+08	2,322912E+08	1,158681E+08	1,158671E+08	2,322883E+08	4,672400E+08	7,767817E+08	1,077960E+09	1,271052E+09	1,271040E+09	1,077931E+09	7,767469E+08
1281	4,672084E+08	2,322696E+08	1,158613E+08	1,158633E+08	2,322735E+08	4,672119E+08	7,767465E+08	1,077920E+09	1,271017E+09	1,271025E+09	1,077934E+09	7,767604E+08
1282	4,672269E+08	2,322912E+08	1,158788E+08	1,158755E+08	2,322855E+08	4,672243E+08	7,767525E+08	1,077910E+09	1,270991E+09	1,270996E+09	1,077924E+09	7,767710E+08
1283	4,672433E+08	2,323007E+08	1,158882E+08	1,158935E+08	2,323155E+08	4,672552E+08	7,767736E+08	1,077922E+09	1,270988E+09	1,270970E+09	1,077881E+09	7,767287E+08
1284	4,672174E+08	2,322942E+08	1,158919E+08	1,158947E+08	2,323022E+08	4,672259E+08	7,767316E+08	1,077875E+09	1,270952E+09	1,270962E+09	1,077893E+09	7,767548E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1285	4,672531E+08	2,323309E+08	1,159185E+08	1,159151E+08	2,323257E+08	4,672579E+08	7,767668E+08	1,077893E+09	1,270936E+09	1,270922E+09	1,077862E+09	7,767408E+08
1286	4,672463E+08	2,323286E+08	1,159260E+08	1,159320E+08	2,323427E+08	4,672562E+08	7,767473E+08	1,077872E+09	1,270920E+09	1,270900E+09	1,077833E+09	7,767159E+08
1287	4,672403E+08	2,323396E+08	1,159407E+08	1,159391E+08	2,323351E+08	4,672309E+08	7,767027E+08	1,077818E+09	1,270879E+09	1,270896E+09	1,077860E+09	7,767565E+08
1288	4,672804E+08	2,323706E+08	1,159610E+08	1,159596E+08	2,323695E+08	4,672804E+08	7,767476E+08	1,077836E+09	1,270868E+09	1,270867E+09	1,077828E+09	7,767252E+08
1289	4,672515E+08	2,323522E+08	1,159563E+08	1,159606E+08	2,323623E+08	4,672607E+08	7,767272E+08	1,077817E+09	1,270844E+09	1,270845E+09	1,077815E+09	7,767246E+08
1290	4,672609E+08	2,323645E+08	1,159634E+08	1,159594E+08	2,323557E+08	4,672521E+08	7,767187E+08	1,077813E+09	1,270845E+09	1,270848E+09	1,077826E+09	7,767459E+08
1291	4,672809E+08	2,323714E+08	1,159628E+08	1,159639E+08	2,323741E+08	4,672814E+08	7,767503E+08	1,077848E+09	1,270876E+09	1,270856E+09	1,077804E+09	7,767043E+08
1292	4,672402E+08	2,323443E+08	1,159470E+08	1,159475E+08	2,323443E+08	4,672410E+08	7,767113E+08	1,077822E+09	1,270882E+09	1,270895E+09	1,077847E+09	7,767351E+08
1293	4,672591E+08	2,323544E+08	1,159470E+08	1,159412E+08	2,323435E+08	4,672568E+08	7,767436E+08	1,077856E+09	1,270901E+09	1,270903E+09	1,077858E+09	7,767448E+08
1294	4,672542E+08	2,323358E+08	1,159308E+08	1,159355E+08	2,323488E+08	4,672648E+08	7,767517E+08	1,077873E+09	1,270927E+09	1,270917E+09	1,077849E+09	7,767190E+08
1295	4,672280E+08	2,323166E+08	1,159147E+08	1,159132E+08	2,323139E+08	4,672269E+08	7,767207E+08	1,077856E+09	1,270933E+09	1,270951E+09	1,077899E+09	7,767670E+08
1296	4,672598E+08	2,323302E+08	1,159147E+08	1,159108E+08	2,323236E+08	4,672596E+08	7,767704E+08	1,077903E+09	1,270959E+09	1,270953E+09	1,077886E+09	7,767478E+08
1297	4,672352E+08	2,323055E+08	1,158989E+08	1,159015E+08	2,323100E+08	4,672372E+08	7,767565E+08	1,077907E+09	1,270972E+09	1,270957E+09	1,077874E+09	7,767319E+08
1298	4,672275E+08	2,323050E+08	1,158982E+08	1,158948E+08	2,322962E+08	4,672145E+08	7,767246E+08	1,077881E+09	1,270965E+09	1,270972E+09	1,077904E+09	7,767647E+08
1299	4,672561E+08	2,323230E+08	1,159071E+08	1,159070E+08	2,323235E+08	4,672540E+08	7,767569E+08	1,077896E+09	1,270965E+09	1,270957E+09	1,077877E+09	7,767293E+08
1300	4,672217E+08	2,323029E+08	1,159017E+08	1,159055E+08	2,323125E+08	4,672328E+08	7,767295E+08	1,077861E+09	1,270936E+09	1,270949E+09	1,077883E+09	7,767433E+08
1301	4,672405E+08	2,323235E+08	1,159178E+08	1,159150E+08	2,323205E+08	4,672438E+08	7,767447E+08	1,077865E+09	1,270912E+09	1,270912E+09	1,077868E+09	7,767548E+08
1302	4,672611E+08	2,323364E+08	1,159280E+08	1,159330E+08	2,323490E+08	4,672694E+08	7,767578E+08	1,077872E+09	1,270907E+09	1,270881E+09	1,077816E+09	7,767056E+08
1303	4,672340E+08	2,323338E+08	1,159365E+08	1,159378E+08	2,323364E+08	4,672359E+08	7,767088E+08	1,077821E+09	1,270875E+09	1,270880E+09	1,077838E+09	7,767388E+08
1304	4,672715E+08	2,323704E+08	1,159642E+08	1,159600E+08	2,323624E+08	4,672679E+08	7,767362E+08	1,077827E+09	1,270854E+09	1,270849E+09	1,077817E+09	7,767278E+08
1305	4,672659E+08	2,323694E+08	1,159724E+08	1,159776E+08	2,323813E+08	4,672742E+08	7,767308E+08	1,077812E+09	1,270829E+09	1,270815E+09	1,077779E+09	7,766967E+08
1306	4,672531E+08	2,323750E+08	1,159844E+08	1,159844E+08	2,323765E+08	4,672538E+08	7,766909E+08	1,077762E+09	1,270790E+09	1,270808E+09	1,077804E+09	7,767385E+08
1307	4,672941E+08	2,324039E+08	1,160004E+08	1,159997E+08	2,324044E+08	4,672969E+08	7,767334E+08	1,077786E+09	1,270784E+09	1,270778E+09	1,077769E+09	7,767071E+08
1308	4,672674E+08	2,323860E+08	1,159947E+08	1,159993E+08	2,323960E+08	4,672761E+08	7,767113E+08	1,077771E+09	1,270783E+09	1,270782E+09	1,077765E+09	7,767044E+08
1309	4,672723E+08	2,323947E+08	1,159984E+08	1,159936E+08	2,323838E+08	4,672633E+08	7,767046E+08	1,077772E+09	1,270785E+09	1,270788E+09	1,077784E+09	7,767291E+08
1310	4,672927E+08	2,324009E+08	1,159967E+08	1,159979E+08	2,324029E+08	4,672909E+08	7,767296E+08	1,077797E+09	1,270806E+09	1,270790E+09	1,077760E+09	7,766881E+08
1311	4,672514E+08	2,323742E+08	1,159824E+08	1,159831E+08	2,323753E+08	4,672540E+08	7,766927E+08	1,077771E+09	1,270810E+09	1,270826E+09	1,077808E+09	7,767279E+08
1312	4,672730E+08	2,323820E+08	1,159802E+08	1,159751E+08	2,323731E+08	4,672708E+08	7,767287E+08	1,077805E+09	1,270827E+09	1,270834E+09	1,077818E+09	7,767369E+08
1313	4,672716E+08	2,323664E+08	1,159644E+08	1,159682E+08	2,323753E+08	4,672792E+08	7,767495E+08	1,077839E+09	1,270856E+09	1,270838E+09	1,077794E+09	7,766989E+08
1314	4,672387E+08	2,323453E+08	1,159484E+08	1,159471E+08	2,323423E+08	4,672387E+08	7,767088E+08	1,077818E+09	1,270871E+09	1,270881E+09	1,077844E+09	7,767437E+08
1315	4,672701E+08	2,323605E+08	1,159494E+08	1,159447E+08	2,323500E+08	4,672649E+08	7,767457E+08	1,077851E+09	1,270891E+09	1,270884E+09	1,077835E+09	7,767272E+08
1316	4,672472E+08	2,323380E+08	1,159366E+08	1,159399E+08	2,323430E+08	4,672481E+08	7,767294E+08	1,077848E+09	1,270906E+09	1,270901E+09	1,077834E+09	7,767143E+08
1317	4,672373E+08	2,323349E+08	1,159351E+08	1,159326E+08	2,323305E+08	4,672322E+08	7,767092E+08	1,077826E+09	1,270887E+09	1,270902E+09	1,077862E+09	7,767523E+08
1318	4,672703E+08	2,323542E+08	1,159441E+08	1,159453E+08	2,323584E+08	4,672728E+08	7,767446E+08	1,077842E+09	1,270876E+09	1,270868E+09	1,077820E+09	7,767128E+08
1319	4,672379E+08	2,323377E+08	1,159417E+08	1,159458E+08	2,323476E+08	4,672498E+08	7,767188E+08	1,077816E+09	1,270857E+09	1,270860E+09	1,077826E+09	7,767292E+08
1320	4,672586E+08	2,323595E+08	1,159589E+08	1,159556E+08	2,323542E+08	4,672570E+08	7,767276E+08	1,077817E+09	1,270840E+09	1,270838E+09	1,077815E+09	7,767375E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,672800E+08	2,323765E+08	1,159723E+08	1,159754E+08	2,323824E+08	4,672828E+08	7,767447E+08	1,077823E+09	1,270830E+09	1,270802E+09	1,077759E+09	7,766810E+08
1322	4,672455E+08	2,323710E+08	1,159818E+08	1,159840E+08	2,323763E+08	4,672515E+08	7,766871E+08	1,077763E+09	1,270795E+09	1,270804E+09	1,077787E+09	7,767193E+08
1323	4,672849E+08	2,324072E+08	1,160080E+08	1,160047E+08	2,324014E+08	4,672837E+08	7,767103E+08	1,077757E+09	1,270759E+09	1,270764E+09	1,077765E+09	7,767143E+08
1324	4,672837E+08	2,324064E+08	1,160155E+08	1,160219E+08	2,324213E+08	4,672938E+08	7,767108E+08	1,077749E+09	1,270743E+09	1,270735E+09	1,077728E+09	7,766825E+08
1325	4,672696E+08	2,324090E+08	1,160235E+08	1,160235E+08	2,324108E+08	4,672717E+08	7,766810E+08	1,077716E+09	1,270709E+09	1,270722E+09	1,077748E+09	7,767231E+08
1326	4,673116E+08	2,324381E+08	1,160380E+08	1,160367E+08	2,324348E+08	4,673069E+08	7,767142E+08	1,077734E+09	1,270703E+09	1,270690E+09	1,077704E+09	7,766835E+08
1327	4,672813E+08	2,324211E+08	1,160340E+08	1,160374E+08	2,324268E+08	4,672852E+08	7,766906E+08	1,077722E+09	1,270709E+09	1,270705E+09	1,077714E+09	7,766871E+08
1328	4,672851E+08	2,324271E+08	1,160365E+08	1,160314E+08	2,324156E+08	4,672745E+08	7,766831E+08	1,077718E+09	1,270715E+09	1,270725E+09	1,077743E+09	7,767143E+08
1329	4,673055E+08	2,324330E+08	1,160337E+08	1,160342E+08	2,324340E+08	4,673086E+08	7,767229E+08	1,077751E+09	1,270731E+09	1,270718E+09	1,077713E+09	7,766697E+08
1330	4,672594E+08	2,324015E+08	1,160168E+08	1,160189E+08	2,324081E+08	4,672730E+08	7,766881E+08	1,077735E+09	1,270745E+09	1,270758E+09	1,077762E+09	7,767109E+08
1331	4,672835E+08	2,324087E+08	1,160113E+08	1,160066E+08	2,323996E+08	4,672813E+08	7,767155E+08	1,077766E+09	1,270765E+09	1,270767E+09	1,077771E+09	7,767222E+08
1332	4,672852E+08	2,323956E+08	1,159968E+08	1,160004E+08	2,324020E+08	4,672874E+08	7,767302E+08	1,077799E+09	1,270809E+09	1,270790E+09	1,077754E+09	7,766826E+08
1333	4,672491E+08	2,323729E+08	1,159804E+08	1,159786E+08	2,323680E+08	4,672467E+08	7,766915E+08	1,077775E+09	1,270811E+09	1,270825E+09	1,077808E+09	7,767311E+08
1334	4,672825E+08	2,323897E+08	1,159834E+08	1,159793E+08	2,323789E+08	4,672715E+08	7,767185E+08	1,077790E+09	1,270811E+09	1,270812E+09	1,077791E+09	7,767133E+08
1335	4,672607E+08	2,323704E+08	1,159747E+08	1,159786E+08	2,323778E+08	4,672640E+08	7,767100E+08	1,077787E+09	1,270816E+09	1,270817E+09	1,077789E+09	7,767062E+08
1336	4,672540E+08	2,323680E+08	1,159738E+08	1,159721E+08	2,323656E+08	4,672507E+08	7,766965E+08	1,077771E+09	1,270799E+09	1,270817E+09	1,077809E+09	7,767380E+08
1337	4,672886E+08	2,323910E+08	1,159847E+08	1,159849E+08	2,323917E+08	4,672922E+08	7,767424E+08	1,077800E+09	1,270793E+09	1,270773E+09	1,077752E+09	7,766864E+08
1338	4,672505E+08	2,323737E+08	1,159842E+08	1,159887E+08	2,323845E+08	4,672664E+08	7,767067E+08	1,077774E+09	1,270786E+09	1,270779E+09	1,077761E+09	7,767006E+08
1339	4,672704E+08	2,323961E+08	1,160015E+08	1,159982E+08	2,323889E+08	4,672670E+08	7,767026E+08	1,077759E+09	1,270762E+09	1,270762E+09	1,077761E+09	7,767165E+08
1340	4,672940E+08	2,324146E+08	1,160173E+08	1,160214E+08	2,324225E+08	4,672975E+08	7,767177E+08	1,077762E+09	1,270756E+09	1,270736E+09	1,077716E+09	7,766656E+08
1341	4,672588E+08	2,324061E+08	1,160244E+08	1,160276E+08	2,324155E+08	4,672716E+08	7,766715E+08	1,077703E+09	1,270706E+09	1,270724E+09	1,077742E+09	7,767091E+08
1342	4,673026E+08	2,324422E+08	1,160488E+08	1,160464E+08	2,324377E+08	4,672994E+08	7,766929E+08	1,077696E+09	1,270664E+09	1,270669E+09	1,077707E+09	7,766997E+08
1343	4,673031E+08	2,324442E+08	1,160571E+08	1,160631E+08	2,324568E+08	4,673095E+08	7,766957E+08	1,077697E+09	1,270656E+09	1,270644E+09	1,077670E+09	7,766687E+08
1344	4,672884E+08	2,324457E+08	1,160638E+08	1,160625E+08	2,324425E+08	4,672831E+08	7,766623E+08	1,077665E+09	1,270636E+09	1,270647E+09	1,077694E+09	7,767034E+08
1345	4,673276E+08	2,324751E+08	1,160786E+08	1,160752E+08	2,324650E+08	4,673191E+08	7,767023E+08	1,077688E+09	1,270630E+09	1,270613E+09	1,077649E+09	7,766586E+08
1346	4,672896E+08	2,324532E+08	1,160735E+08	1,160778E+08	2,324625E+08	4,672999E+08	7,766736E+08	1,077674E+09	1,270641E+09	1,270638E+09	1,077667E+09	7,766662E+08
1347	4,672933E+08	2,324560E+08	1,160719E+08	1,160679E+08	2,324482E+08	4,672894E+08	7,766659E+08	1,077665E+09	1,270640E+09	1,270656E+09	1,077701E+09	7,767014E+08
1348	4,673172E+08	2,324616E+08	1,160680E+08	1,160696E+08	2,324659E+08	4,673245E+08	7,767103E+08	1,077709E+09	1,270670E+09	1,270657E+09	1,077674E+09	7,766578E+08
1349	4,672709E+08	2,324278E+08	1,160473E+08	1,160493E+08	2,324342E+08	4,672855E+08	7,766805E+08	1,077701E+09	1,270686E+09	1,270695E+09	1,077720E+09	7,766991E+08
1350	4,672972E+08	2,324365E+08	1,160421E+08	1,160368E+08	2,324228E+08	4,672841E+08	7,766927E+08	1,077719E+09	1,270700E+09	1,270700E+09	1,077723E+09	7,767057E+08
1351	4,672989E+08	2,324270E+08	1,160316E+08	1,160341E+08	2,324290E+08	4,672927E+08	7,767048E+08	1,077745E+09	1,270736E+09	1,270722E+09	1,077715E+09	7,766723E+08
1352	4,672630E+08	2,324043E+08	1,160168E+08	1,160150E+08	2,323994E+08	4,672580E+08	7,766688E+08	1,077716E+09	1,270734E+09	1,270757E+09	1,077767E+09	7,767193E+08
1353	4,672971E+08	2,324228E+08	1,160215E+08	1,160170E+08	2,324124E+08	4,672918E+08	7,767124E+08	1,077739E+09	1,270723E+09	1,270724E+09	1,077736E+09	7,766942E+08
1354	4,672713E+08	2,324013E+08	1,160128E+08	1,160186E+08	2,324154E+08	4,672867E+08	7,767074E+08	1,077748E+09	1,270740E+09	1,270733E+09	1,077729E+09	7,766834E+08
1355	4,672659E+08	2,323998E+08	1,160107E+08	1,160098E+08	2,323988E+08	4,672666E+08	7,766862E+08	1,077730E+09	1,270730E+09	1,270738E+09	1,077751E+09	7,767163E+08
1356	4,673013E+08	2,324254E+08	1,160243E+08	1,160244E+08	2,324251E+08	4,673043E+08	7,767241E+08	1,077758E+09	1,270737E+09	1,270712E+09	1,077703E+09	7,766655E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1357	4,672616E+08	2,324070E+08	1,160237E+08	1,160281E+08	2,324177E+08	4,672782E+08	7,766887E+08	1,077726E+09	1,270719E+09	1,270715E+09	1,077720E+09	7,766867E+08
1358	4,672850E+08	2,324308E+08	1,160427E+08	1,160402E+08	2,324240E+08	4,672751E+08	7,766711E+08	1,077690E+09	1,270672E+09	1,270680E+09	1,077713E+09	7,767044E+08
1359	4,673116E+08	2,324525E+08	1,160611E+08	1,160654E+08	2,324611E+08	4,673136E+08	7,766941E+08	1,077691E+09	1,270652E+09	1,270643E+09	1,077668E+09	7,766599E+08
1360	4,672805E+08	2,324450E+08	1,160683E+08	1,160712E+08	2,324531E+08	4,672893E+08	7,766555E+08	1,077642E+09	1,270608E+09	1,270627E+09	1,077684E+09	7,766961E+08
1361	4,673250E+08	2,324834E+08	1,160929E+08	1,160883E+08	2,324720E+08	4,673158E+08	7,766822E+08	1,077644E+09	1,270571E+09	1,270566E+09	1,077634E+09	7,766728E+08
1362	4,673174E+08	2,324827E+08	1,161013E+08	1,161068E+08	2,324941E+08	4,673245E+08	7,766794E+08	1,077649E+09	1,270580E+09	1,270558E+09	1,077602E+09	7,766377E+08
1363	4,672993E+08	2,324818E+08	1,161055E+08	1,161040E+08	2,324772E+08	4,672943E+08	7,766386E+08	1,077609E+09	1,270560E+09	1,270573E+09	1,077640E+09	7,766790E+08
1364	4,673363E+08	2,325083E+08	1,161193E+08	1,161168E+08	2,325023E+08	4,673346E+08	7,766814E+08	1,077638E+09	1,270567E+09	1,270554E+09	1,077608E+09	7,766416E+08
1365	4,672975E+08	2,324810E+08	1,161088E+08	1,161144E+08	2,324966E+08	4,673202E+08	7,766678E+08	1,077634E+09	1,270575E+09	1,270574E+09	1,077630E+09	7,766570E+08
1366	4,673052E+08	2,324820E+08	1,161037E+08	1,161010E+08	2,324766E+08	4,673009E+08	7,766534E+08	1,077623E+09	1,270570E+09	1,270585E+09	1,077657E+09	7,766913E+08
1367	4,673321E+08	2,324906E+08	1,161003E+08	1,161013E+08	2,324927E+08	4,673349E+08	7,766966E+08	1,077668E+09	1,270604E+09	1,270591E+09	1,077636E+09	7,766517E+08
1368	4,672877E+08	2,324582E+08	1,160803E+08	1,160807E+08	2,324587E+08	4,672921E+08	7,766618E+08	1,077656E+09	1,270624E+09	1,270635E+09	1,077681E+09	7,766875E+08
1369	4,673127E+08	2,324686E+08	1,160772E+08	1,160699E+08	2,324489E+08	4,672924E+08	7,766750E+08	1,077669E+09	1,270626E+09	1,270628E+09	1,077675E+09	7,766874E+08
1370	4,673089E+08	2,324574E+08	1,160684E+08	1,160718E+08	2,324635E+08	4,673075E+08	7,766861E+08	1,077693E+09	1,270661E+09	1,270649E+09	1,077665E+09	7,766532E+08
1371	4,672738E+08	2,324336E+08	1,160518E+08	1,160514E+08	2,324329E+08	4,672752E+08	7,766541E+08	1,077662E+09	1,270651E+09	1,270676E+09	1,077716E+09	7,767026E+08
1372	4,673087E+08	2,324530E+08	1,160578E+08	1,160546E+08	2,324467E+08	4,673097E+08	7,767039E+08	1,077702E+09	1,270659E+09	1,270649E+09	1,077682E+09	7,766752E+08
1373	4,672825E+08	2,324308E+08	1,160477E+08	1,160537E+08	2,324463E+08	4,673024E+08	7,767012E+08	1,077716E+09	1,270678E+09	1,270659E+09	1,077674E+09	7,766634E+08
1374	4,672777E+08	2,324310E+08	1,160476E+08	1,160464E+08	2,324275E+08	4,672720E+08	7,766624E+08	1,077679E+09	1,270659E+09	1,270665E+09	1,077698E+09	7,766964E+08
1375	4,673152E+08	2,324612E+08	1,160658E+08	1,160651E+08	2,324589E+08	4,673138E+08	7,766972E+08	1,077696E+09	1,270653E+09	1,270640E+09	1,077663E+09	7,766563E+08
1376	4,672790E+08	2,324448E+08	1,160675E+08	1,160714E+08	2,324546E+08	4,672917E+08	7,766623E+08	1,077659E+09	1,270629E+09	1,270637E+09	1,077676E+09	7,766776E+08
1377	4,673053E+08	2,324709E+08	1,160879E+08	1,160842E+08	2,324622E+08	4,672949E+08	7,766566E+08	1,077627E+09	1,270571E+09	1,270581E+09	1,077653E+09	7,766883E+08
1378	4,673295E+08	2,324912E+08	1,161065E+08	1,161113E+08	2,325022E+08	4,673341E+08	7,766817E+08	1,077639E+09	1,270563E+09	1,270546E+09	1,077599E+09	7,766371E+08
1379	4,672979E+08	2,324833E+08	1,161112E+08	1,161140E+08	2,324899E+08	4,673051E+08	7,766389E+08	1,077591E+09	1,270525E+09	1,270537E+09	1,077618E+09	7,766713E+08
1380	4,673387E+08	2,325207E+08	1,161361E+08	1,161313E+08	2,325085E+08	4,673294E+08	7,766637E+08	1,077600E+09	1,270507E+09	1,270494E+09	1,077577E+09	7,766476E+08
1381	4,673264E+08	2,325154E+08	1,161412E+08	1,161470E+08	2,325293E+08	4,673399E+08	7,766648E+08	1,077604E+09	1,270513E+09	1,270492E+09	1,077557E+09	7,766198E+08
1382	4,673087E+08	2,325119E+08	1,161433E+08	1,161430E+08	2,325112E+08	4,673064E+08	7,766154E+08	1,077551E+09	1,270482E+09	1,270502E+09	1,077597E+09	7,766663E+08
1383	4,673488E+08	2,325388E+08	1,161563E+08	1,161543E+08	2,325365E+08	4,673523E+08	7,766671E+08	1,077583E+09	1,270483E+09	1,270480E+09	1,077572E+09	7,766388E+08
1384	4,673156E+08	2,325124E+08	1,161442E+08	1,161491E+08	2,325259E+08	4,673339E+08	7,766564E+08	1,077591E+09	1,270503E+09	1,270502E+09	1,077586E+09	7,766493E+08
1385	4,673246E+08	2,325151E+08	1,161386E+08	1,161335E+08	2,325022E+08	4,673109E+08	7,766407E+08	1,077581E+09	1,270500E+09	1,270505E+09	1,077600E+09	7,766724E+08
1386	4,673456E+08	2,325222E+08	1,161363E+08	1,161362E+08	2,325209E+08	4,673424E+08	7,766765E+08	1,077624E+09	1,270541E+09	1,270523E+09	1,077582E+09	7,766290E+08
1387	4,672993E+08	2,324890E+08	1,161154E+08	1,161155E+08	2,324879E+08	4,673005E+08	7,766378E+08	1,077602E+09	1,270553E+09	1,270567E+09	1,077634E+09	7,766686E+08
1388	4,673218E+08	2,324981E+08	1,161131E+08	1,161067E+08	2,324824E+08	4,673064E+08	7,766554E+08	1,077620E+09	1,270561E+09	1,270563E+09	1,077631E+09	7,766703E+08
1389	4,673166E+08	2,324832E+08	1,161012E+08	1,161060E+08	2,324963E+08	4,673287E+08	7,766827E+08	1,077655E+09	1,270594E+09	1,270579E+09	1,077619E+09	7,766392E+08
1390	4,672844E+08	2,324596E+08	1,160840E+08	1,160849E+08	2,324624E+08	4,672883E+08	7,766424E+08	1,077622E+09	1,270583E+09	1,270601E+09	1,077663E+09	7,766851E+08
1391	4,673209E+08	2,324824E+08	1,160923E+08	1,160887E+08	2,324760E+08	4,673219E+08	7,766898E+08	1,077660E+09	1,270591E+09	1,270582E+09	1,077639E+09	7,766635E+08
1392	4,672985E+08	2,324646E+08	1,160857E+08	1,160898E+08	2,324747E+08	4,673108E+08	7,766817E+08	1,077669E+09	1,270613E+09	1,270596E+09	1,077633E+09	7,766509E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1393	4,672949E+08	2,324680E+08	1,160891E+08	1,160861E+08	2,324594E+08	4,672819E+08	7,766381E+08	1,077619E+09	1,270575E+09	1,270585E+09	1,077647E+09	7,766804E+08
1394	4,673304E+08	2,324983E+08	1,161104E+08	1,161102E+08	2,324988E+08	4,673300E+08	7,766726E+08	1,077630E+09	1,270562E+09	1,270554E+09	1,077608E+09	7,766402E+08
1395	4,672973E+08	2,324828E+08	1,161115E+08	1,161163E+08	2,324950E+08	4,673115E+08	7,766431E+08	1,077591E+09	1,270526E+09	1,270539E+09	1,077615E+09	7,766610E+08
1396	4,673234E+08	2,325096E+08	1,161327E+08	1,161296E+08	2,325026E+08	4,673139E+08	7,766417E+08	1,077578E+09	1,270488E+09	1,270487E+09	1,077586E+09	7,766654E+08
1397	4,673440E+08	2,325272E+08	1,161484E+08	1,161533E+08	2,325394E+08	4,673529E+08	7,766716E+08	1,077596E+09	1,270487E+09	1,270458E+09	1,077534E+09	7,766119E+08
1398	4,673103E+08	2,325183E+08	1,161530E+08	1,161559E+08	2,325241E+08	4,673149E+08	7,766153E+08	1,077535E+09	1,270447E+09	1,270455E+09	1,077557E+09	7,766457E+08
1399	4,673494E+08	2,325556E+08	1,161784E+08	1,161738E+08	2,325457E+08	4,673442E+08	7,766421E+08	1,077541E+09	1,270425E+09	1,270422E+09	1,077536E+09	7,766346E+08
1400	4,673407E+08	2,325503E+08	1,161827E+08	1,161882E+08	2,325652E+08	4,673573E+08	7,766485E+08	1,077550E+09	1,270436E+09	1,270422E+09	1,077517E+09	7,766109E+08
1401	4,673256E+08	2,325461E+08	1,161826E+08	1,161814E+08	2,325447E+08	4,673259E+08	7,766071E+08	1,077503E+09	1,270401E+09	1,270420E+09	1,077546E+09	7,766535E+08
1402	4,673646E+08	2,325712E+08	1,161940E+08	1,161920E+08	2,325693E+08	4,673682E+08	7,766570E+08	1,077544E+09	1,270416E+09	1,270406E+09	1,077518E+09	7,766226E+08
1403	4,673329E+08	2,325445E+08	1,161790E+08	1,161829E+08	2,325533E+08	4,673427E+08	7,766376E+08	1,077545E+09	1,270439E+09	1,270435E+09	1,077537E+09	7,766320E+08
1404	4,673381E+08	2,325463E+08	1,161740E+08	1,161681E+08	2,325301E+08	4,673168E+08	7,766184E+08	1,077540E+09	1,270447E+09	1,270448E+09	1,077556E+09	7,766536E+08
1405	4,673540E+08	2,325491E+08	1,161691E+08	1,161693E+08	2,325496E+08	4,673525E+08	7,766573E+08	1,077577E+09	1,270478E+09	1,270463E+09	1,077542E+09	7,766134E+08
1406	4,673070E+08	2,325139E+08	1,161475E+08	1,161490E+08	2,325172E+08	4,673112E+08	7,766152E+08	1,077544E+09	1,270475E+09	1,270495E+09	1,077589E+09	7,766540E+08
1407	4,673320E+08	2,325245E+08	1,161459E+08	1,161406E+08	2,325141E+08	4,673256E+08	7,766462E+08	1,077570E+09	1,270478E+09	1,270488E+09	1,077591E+09	7,766618E+08
1408	4,673322E+08	2,325131E+08	1,161350E+08	1,161390E+08	2,325242E+08	4,673433E+08	7,766746E+08	1,077617E+09	1,270526E+09	1,270506E+09	1,077570E+09	7,766262E+08
1409	4,673014E+08	2,324927E+08	1,161200E+08	1,161187E+08	2,324897E+08	4,673000E+08	7,766291E+08	1,077580E+09	1,270515E+09	1,270523E+09	1,077605E+09	7,766634E+08
1410	4,673341E+08	2,325162E+08	1,161319E+08	1,161276E+08	2,325077E+08	4,673315E+08	7,766677E+08	1,077610E+09	1,270524E+09	1,270512E+09	1,077583E+09	7,766415E+08
1411	4,673129E+08	2,324997E+08	1,161264E+08	1,161308E+08	2,325093E+08	4,673219E+08	7,766546E+08	1,077606E+09	1,270532E+09	1,270523E+09	1,077585E+09	7,766341E+08
1412	4,673086E+08	2,325035E+08	1,161323E+08	1,161305E+08	2,324992E+08	4,672990E+08	7,766174E+08	1,077563E+09	1,270494E+09	1,270505E+09	1,077597E+09	7,766648E+08
1413	4,673438E+08	2,325313E+08	1,161511E+08	1,161524E+08	2,325376E+08	4,673526E+08	7,766647E+08	1,077581E+09	1,270478E+09	1,270466E+09	1,077552E+09	7,766239E+08
1414	4,673123E+08	2,325163E+08	1,161519E+08	1,161578E+08	2,325310E+08	4,673275E+08	7,766275E+08	1,077539E+09	1,270442E+09	1,270446E+09	1,077550E+09	7,766394E+08
1415	4,673392E+08	2,325460E+08	1,161744E+08	1,161709E+08	2,325386E+08	4,673310E+08	7,766262E+08	1,077524E+09	1,270405E+09	1,270407E+09	1,077533E+09	7,766475E+08
1416	4,673610E+08	2,325655E+08	1,161915E+08	1,161947E+08	2,325728E+08	4,673653E+08	7,766524E+08	1,077545E+09	1,270414E+09	1,270386E+09	1,077484E+09	7,765951E+08
1417	4,673271E+08	2,325568E+08	1,161968E+08	1,161983E+08	2,325599E+08	4,673292E+08	7,765930E+08	1,077476E+09	1,270364E+09	1,270374E+09	1,077503E+09	7,766275E+08
1418	4,673631E+08	2,325910E+08	1,162217E+08	1,162178E+08	2,325847E+08	4,673623E+08	7,766231E+08	1,077483E+09	1,270342E+09	1,270343E+09	1,077482E+09	7,766194E+08
1419	4,673583E+08	2,325855E+08	1,162233E+08	1,162292E+08	2,326009E+08	4,673748E+08	7,766339E+08	1,077495E+09	1,270351E+09	1,270340E+09	1,077467E+09	7,765980E+08
1420	4,673430E+08	2,325807E+08	1,162219E+08	1,162205E+08	2,325774E+08	4,673379E+08	7,765923E+08	1,077463E+09	1,270335E+09	1,270343E+09	1,077491E+09	7,766346E+08
1421	4,673775E+08	2,326019E+08	1,162293E+08	1,162267E+08	2,325977E+08	4,673788E+08	7,766423E+08	1,077504E+09	1,270355E+09	1,270338E+09	1,077466E+09	7,766024E+08
1422	4,673436E+08	2,325740E+08	1,162137E+08	1,162174E+08	2,325803E+08	4,673470E+08	7,766096E+08	1,077489E+09	1,270368E+09	1,270367E+09	1,077488E+09	7,766113E+08
1423	4,673474E+08	2,325751E+08	1,162085E+08	1,162031E+08	2,325613E+08	4,673292E+08	7,765952E+08	1,077479E+09	1,270367E+09	1,270384E+09	1,077522E+09	7,766426E+08
1424	4,673662E+08	2,325782E+08	1,162034E+08	1,162035E+08	2,325798E+08	4,673689E+08	7,766447E+08	1,077528E+09	1,270405E+09	1,270396E+09	1,077503E+09	7,766047E+08
1425	4,673217E+08	2,325433E+08	1,161812E+08	1,161825E+08	2,325474E+08	4,673303E+08	7,766098E+08	1,077503E+09	1,270400E+09	1,270416E+09	1,077536E+09	7,766374E+08
1426	4,673442E+08	2,325530E+08	1,161800E+08	1,161753E+08	2,325449E+08	4,673421E+08	7,766399E+08	1,077537E+09	1,270419E+09	1,270417E+09	1,077534E+09	7,766409E+08
1427	4,673463E+08	2,325440E+08	1,161696E+08	1,161731E+08	2,325522E+08	4,673546E+08	7,766607E+08	1,077576E+09	1,270466E+09	1,270442E+09	1,077522E+09	7,766068E+08
1428	4,673134E+08	2,325246E+08	1,161574E+08	1,161561E+08	2,325200E+08	4,673079E+08	7,766096E+08	1,077540E+09	1,270458E+09	1,270463E+09	1,077560E+09	7,766441E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1429	4,673434E+08	2,325460E+08	1,161688E+08	1,161656E+08	2,325408E+08	4,673446E+08	7,766479E+08	1,077559E+09	1,270454E+09	1,270446E+09	1,077542E+09	7,766276E+08
1430	4,673251E+08	2,325306E+08	1,161647E+08	1,161706E+08	2,325442E+08	4,673357E+08	7,766297E+08	1,077539E+09	1,270441E+09	1,270439E+09	1,077534E+09	7,766206E+08
1431	4,673247E+08	2,325374E+08	1,161723E+08	1,161718E+08	2,325371E+08	4,673200E+08	7,766036E+08	1,077500E+09	1,270396E+09	1,270416E+09	1,077547E+09	7,766543E+08
1432	4,673648E+08	2,325694E+08	1,161929E+08	1,161930E+08	2,325711E+08	4,673679E+08	7,766512E+08	1,077532E+09	1,270395E+09	1,270377E+09	1,077491E+09	7,766070E+08
1433	4,673327E+08	2,325567E+08	1,161957E+08	1,161996E+08	2,325654E+08	4,673418E+08	7,766090E+08	1,077485E+09	1,270357E+09	1,270354E+09	1,077481E+09	7,766122E+08
1434	4,673539E+08	2,325855E+08	1,162206E+08	1,162165E+08	2,325767E+08	4,673452E+08	7,766046E+08	1,077467E+09	1,270326E+09	1,270325E+09	1,077469E+09	7,766207E+08
1435	4,673756E+08	2,326044E+08	1,162369E+08	1,162401E+08	2,326117E+08	4,673806E+08	7,766282E+08	1,077480E+09	1,270327E+09	1,270307E+09	1,077433E+09	7,765768E+08
1436	4,673410E+08	2,325938E+08	1,162415E+08	1,162440E+08	2,326001E+08	4,673479E+08	7,765785E+08	1,077427E+09	1,270287E+09	1,270296E+09	1,077453E+09	7,766115E+08
1437	4,673759E+08	2,326229E+08	1,162609E+08	1,162584E+08	2,326211E+08	4,673824E+08	7,766159E+08	1,077441E+09	1,270270E+09	1,270266E+09	1,077432E+09	7,766046E+08
1438	4,673721E+08	2,326165E+08	1,162598E+08	1,162662E+08	2,326314E+08	4,673850E+08	7,766149E+08	1,077446E+09	1,270279E+09	1,270265E+09	1,077415E+09	7,765811E+08
1439	4,673575E+08	2,326126E+08	1,162578E+08	1,162559E+08	2,326073E+08	4,673499E+08	7,765741E+08	1,077410E+09	1,270262E+09	1,270280E+09	1,077453E+09	7,766222E+08
1440	4,673927E+08	2,326344E+08	1,162651E+08	1,162607E+08	2,326235E+08	4,673846E+08	7,766197E+08	1,077453E+09	1,270287E+09	1,270277E+09	1,077428E+09	7,765908E+08
1441	4,673579E+08	2,326056E+08	1,162493E+08	1,162522E+08	2,326105E+08	4,673591E+08	7,765873E+08	1,077430E+09	1,270287E+09	1,270292E+09	1,077440E+09	7,765953E+08
1442	4,673587E+08	2,326044E+08	1,162439E+08	1,162395E+08	2,325950E+08	4,673481E+08	7,765832E+08	1,077428E+09	1,270289E+09	1,270307E+09	1,077468E+09	7,766253E+08
1443	4,673799E+08	2,326073E+08	1,162370E+08	1,162378E+08	2,326103E+08	4,673865E+08	7,766380E+08	1,077486E+09	1,270331E+09	1,270318E+09	1,077452E+09	7,765884E+08
1444	4,673349E+08	2,325730E+08	1,162152E+08	1,162169E+08	2,325765E+08	4,673428E+08	7,766042E+08	1,077479E+09	1,270347E+09	1,270346E+09	1,077481E+09	7,766149E+08
1445	4,673525E+08	2,325797E+08	1,162122E+08	1,162080E+08	2,325719E+08	4,673528E+08	7,766292E+08	1,077505E+09	1,270368E+09	1,270359E+09	1,077487E+09	7,766191E+08
1446	4,673536E+08	2,325718E+08	1,162039E+08	1,162076E+08	2,325794E+08	4,673593E+08	7,766343E+08	1,077522E+09	1,270399E+09	1,270381E+09	1,077480E+09	7,765890E+08
1447	4,673238E+08	2,325551E+08	1,161943E+08	1,161940E+08	2,325540E+08	4,673224E+08	7,765866E+08	1,077474E+09	1,270375E+09	1,270399E+09	1,077527E+09	7,766363E+08
1448	4,673599E+08	2,325799E+08	1,162077E+08	1,162041E+08	2,325734E+08	4,673595E+08	7,766310E+08	1,077502E+09	1,270370E+09	1,270370E+09	1,077500E+09	7,766211E+08
1449	4,673459E+08	2,325673E+08	1,162051E+08	1,162105E+08	2,325796E+08	4,673542E+08	7,766157E+08	1,077484E+09	1,270349E+09	1,270344E+09	1,077473E+09	7,766035E+08
1450	4,673435E+08	2,325753E+08	1,162150E+08	1,162142E+08	2,325738E+08	4,673372E+08	7,765899E+08	1,077451E+09	1,270315E+09	1,270325E+09	1,077477E+09	7,766301E+08
1451	4,673832E+08	2,326091E+08	1,162369E+08	1,162360E+08	2,326063E+08	4,673814E+08	7,766326E+08	1,077477E+09	1,270314E+09	1,270295E+09	1,077432E+09	7,765836E+08
1452	4,673474E+08	2,325961E+08	1,162417E+08	1,162457E+08	2,326033E+08	4,673534E+08	7,765888E+08	1,077436E+09	1,270283E+09	1,270275E+09	1,077423E+09	7,765867E+08
1453	4,673627E+08	2,326194E+08	1,162634E+08	1,162612E+08	2,326166E+08	4,673636E+08	7,765867E+08	1,077412E+09	1,270247E+09	1,270250E+09	1,077419E+09	7,766016E+08
1454	4,673855E+08	2,326375E+08	1,162787E+08	1,162836E+08	2,326502E+08	4,673984E+08	7,766083E+08	1,077415E+09	1,270235E+09	1,270223E+09	1,077383E+09	7,765627E+08
1455	4,673568E+08	2,326282E+08	1,162820E+08	1,162855E+08	2,326378E+08	4,673683E+08	7,765658E+08	1,077368E+09	1,270197E+09	1,270216E+09	1,077409E+09	7,766020E+08
1456	4,673962E+08	2,326594E+08	1,163004E+08	1,162962E+08	2,326507E+08	4,673927E+08	7,766002E+08	1,077396E+09	1,270198E+09	1,270190E+09	1,077382E+09	7,765921E+08
1457	4,673921E+08	2,326536E+08	1,162990E+08	1,163033E+08	2,326613E+08	4,673938E+08	7,765909E+08	1,077390E+09	1,270199E+09	1,270184E+09	1,077357E+09	7,765602E+08
1458	4,673714E+08	2,326473E+08	1,162974E+08	1,162949E+08	2,326401E+08	4,673610E+08	7,765516E+08	1,077354E+09	1,270185E+09	1,270204E+09	1,077397E+09	7,766008E+08
1459	4,674051E+08	2,326665E+08	1,163027E+08	1,162987E+08	2,326567E+08	4,673990E+08	7,766008E+08	1,077395E+09	1,270206E+09	1,270203E+09	1,077383E+09	7,765751E+08
1460	4,673686E+08	2,326353E+08	1,162853E+08	1,162895E+08	2,326442E+08	4,673771E+08	7,765830E+08	1,077396E+09	1,270221E+09	1,270218E+09	1,077390E+09	7,765760E+08
1461	4,673657E+08	2,326286E+08	1,162748E+08	1,162725E+08	2,326258E+08	4,673680E+08	7,765850E+08	1,077404E+09	1,270235E+09	1,270243E+09	1,077420E+09	7,766058E+08
1462	4,673866E+08	2,326320E+08	1,162671E+08	1,162683E+08	2,326359E+08	4,673961E+08	7,766255E+08	1,077450E+09	1,270276E+09	1,270259E+09	1,077407E+09	7,765707E+08
1463	4,673453E+08	2,326004E+08	1,162466E+08	1,162481E+08	2,326030E+08	4,673527E+08	7,765885E+08	1,077434E+09	1,270290E+09	1,270299E+09	1,077452E+09	7,766044E+08
1464	4,673659E+08	2,326099E+08	1,162460E+08	1,162403E+08	2,325960E+08	4,673556E+08	7,766054E+08	1,077458E+09	1,270308E+09	1,270307E+09	1,077457E+09	7,766132E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,673697E+08	2,326042E+08	1,162401E+08	1,162432E+08	2,326099E+08	4,673690E+08	7,766064E+08	1,077457E+09	1,270313E+09	1,270305E+09	1,077437E+09	7,765795E+08
1466	4,673406E+08	2,325893E+08	1,162340E+08	1,162342E+08	2,325903E+08	4,673411E+08	7,765706E+08	1,077413E+09	1,270281E+09	1,270308E+09	1,077470E+09	7,766229E+08
1467	4,673801E+08	2,326167E+08	1,162485E+08	1,162449E+08	2,326083E+08	4,673754E+08	7,766159E+08	1,077444E+09	1,270276E+09	1,270274E+09	1,077438E+09	7,766035E+08
1468	4,673642E+08	2,326059E+08	1,162483E+08	1,162535E+08	2,326157E+08	4,673686E+08	7,766044E+08	1,077443E+09	1,270272E+09	1,270251E+09	1,077402E+09	7,765744E+08
1469	4,673546E+08	2,326108E+08	1,162573E+08	1,162572E+08	2,326108E+08	4,673534E+08	7,765757E+08	1,077405E+09	1,270244E+09	1,270245E+09	1,077413E+09	7,765988E+08
1470	4,673895E+08	2,326433E+08	1,162797E+08	1,162796E+08	2,326430E+08	4,673928E+08	7,766066E+08	1,077415E+09	1,270230E+09	1,270215E+09	1,077377E+09	7,765605E+08
1471	4,673579E+08	2,326312E+08	1,162849E+08	1,162905E+08	2,326449E+08	4,673747E+08	7,765710E+08	1,077371E+09	1,270195E+09	1,270203E+09	1,077384E+09	7,765756E+08
1472	4,673787E+08	2,326553E+08	1,163056E+08	1,163033E+08	2,326525E+08	4,673810E+08	7,765741E+08	1,077360E+09	1,270166E+09	1,270172E+09	1,077376E+09	7,765947E+08
1473	4,674058E+08	2,326745E+08	1,163197E+08	1,163241E+08	2,326857E+08	4,674149E+08	7,765928E+08	1,077362E+09	1,270149E+09	1,270134E+09	1,077326E+09	7,765489E+08
1474	4,673767E+08	2,326663E+08	1,163238E+08	1,163263E+08	2,326723E+08	4,673833E+08	7,765505E+08	1,077319E+09	1,270120E+09	1,270132E+09	1,077347E+09	7,765835E+08
1475	4,674151E+08	2,326969E+08	1,163411E+08	1,163354E+08	2,326816E+08	4,674007E+08	7,765770E+08	1,077340E+09	1,270121E+09	1,270116E+09	1,077332E+09	7,765741E+08
1476	4,674065E+08	2,326890E+08	1,163396E+08	1,163434E+08	2,326942E+08	4,674026E+08	7,765709E+08	1,077344E+09	1,270128E+09	1,270109E+09	1,077305E+09	7,765384E+08
1477	4,673790E+08	2,326759E+08	1,163334E+08	1,163327E+08	2,326751E+08	4,673786E+08	7,765380E+08	1,077306E+09	1,270114E+09	1,270134E+09	1,077349E+09	7,765808E+08
1478	4,674102E+08	2,326922E+08	1,163361E+08	1,163335E+08	2,326881E+08	4,674148E+08	7,765886E+08	1,077346E+09	1,270128E+09	1,270128E+09	1,077336E+09	7,765601E+08
1479	4,673797E+08	2,326623E+08	1,163174E+08	1,163225E+08	2,326749E+08	4,673951E+08	7,765776E+08	1,077356E+09	1,270154E+09	1,270155E+09	1,077351E+09	7,765641E+08
1480	4,673794E+08	2,326574E+08	1,163064E+08	1,163023E+08	2,326487E+08	4,673750E+08	7,765736E+08	1,077373E+09	1,270186E+09	1,270187E+09	1,077381E+09	7,765942E+08
1481	4,674012E+08	2,326627E+08	1,163004E+08	1,162999E+08	2,326612E+08	4,674012E+08	7,766010E+08	1,077401E+09	1,270212E+09	1,270196E+09	1,077363E+09	7,765556E+08
1482	4,673587E+08	2,326326E+08	1,162834E+08	1,162841E+08	2,326331E+08	4,673615E+08	7,765637E+08	1,077377E+09	1,270216E+09	1,270230E+09	1,077406E+09	7,765912E+08
1483	4,673812E+08	2,326428E+08	1,162842E+08	1,162785E+08	2,326288E+08	4,673673E+08	7,765818E+08	1,077395E+09	1,270222E+09	1,270231E+09	1,077416E+09	7,766041E+08
1484	4,673861E+08	2,326381E+08	1,162797E+08	1,162836E+08	2,326452E+08	4,673855E+08	7,765969E+08	1,077412E+09	1,270229E+09	1,270215E+09	1,077379E+09	7,765609E+08
1485	4,673525E+08	2,326201E+08	1,162715E+08	1,162736E+08	2,326268E+08	4,673621E+08	7,765661E+08	1,077375E+09	1,270208E+09	1,270223E+09	1,077407E+09	7,765976E+08
1486	4,673889E+08	2,326485E+08	1,162870E+08	1,162837E+08	2,326417E+08	4,673896E+08	7,766012E+08	1,077396E+09	1,270199E+09	1,270192E+09	1,077377E+09	7,765791E+08
1487	4,673760E+08	2,326402E+08	1,162886E+08	1,162941E+08	2,326517E+08	4,673847E+08	7,765880E+08	1,077389E+09	1,270198E+09	1,270185E+09	1,077355E+09	7,765550E+08
1488	4,673673E+08	2,326464E+08	1,162989E+08	1,162981E+08	2,326443E+08	4,673639E+08	7,765546E+08	1,077354E+09	1,270172E+09	1,270178E+09	1,077371E+09	7,765863E+08
1489	4,674047E+08	2,326794E+08	1,163221E+08	1,163222E+08	2,326814E+08	4,674089E+08	7,765812E+08	1,077347E+09	1,270137E+09	1,270130E+09	1,077326E+09	7,765485E+08
1490	4,673764E+08	2,326694E+08	1,163292E+08	1,163351E+08	2,326848E+08	4,673953E+08	7,765569E+08	1,077312E+09	1,270100E+09	1,270108E+09	1,077324E+09	7,765635E+08
1491	4,674010E+08	2,326949E+08	1,163494E+08	1,163465E+08	2,326883E+08	4,673948E+08	7,765570E+08	1,077306E+09	1,270077E+09	1,270081E+09	1,077319E+09	7,765807E+08
1492	4,674266E+08	2,327148E+08	1,163640E+08	1,163669E+08	2,327195E+08	4,674253E+08	7,765772E+08	1,077320E+09	1,270073E+09	1,270046E+09	1,077261E+09	7,765237E+08
1493	4,673893E+08	2,327018E+08	1,163655E+08	1,163679E+08	2,327076E+08	4,673967E+08	7,765324E+08	1,077270E+09	1,270048E+09	1,270056E+09	1,077289E+09	7,765559E+08
1494	4,674217E+08	2,327290E+08	1,163808E+08	1,163753E+08	2,327158E+08	4,674112E+08	7,765500E+08	1,077277E+09	1,270037E+09	1,270040E+09	1,077282E+09	7,765545E+08
1495	4,674160E+08	2,327194E+08	1,163770E+08	1,163822E+08	2,327313E+08	4,674234E+08	7,765563E+08	1,077286E+09	1,270049E+09	1,270045E+09	1,077267E+09	7,765269E+08
1496	4,673915E+08	2,327050E+08	1,163676E+08	1,163668E+08	2,327049E+08	4,673947E+08	7,765321E+08	1,077271E+09	1,270052E+09	1,270069E+09	1,077310E+09	7,765721E+08
1497	4,674243E+08	2,327203E+08	1,163680E+08	1,163652E+08	2,327164E+08	4,674277E+08	7,765766E+08	1,077307E+09	1,270065E+09	1,270058E+09	1,077289E+09	7,765474E+08
1498	4,673951E+08	2,326930E+08	1,163512E+08	1,163548E+08	2,327019E+08	4,674067E+08	7,765662E+08	1,077321E+09	1,270098E+09	1,270091E+09	1,077304E+09	7,765504E+08
1499	4,673948E+08	2,326883E+08	1,163408E+08	1,163352E+08	2,326735E+08	4,673785E+08	7,765502E+08	1,077325E+09	1,270122E+09	1,270129E+09	1,077344E+09	7,765827E+08
1500	4,674145E+08	2,326937E+08	1,163366E+08	1,163355E+08	2,326896E+08	4,674071E+08	7,765798E+08	1,077354E+09	1,270143E+09	1,270128E+09	1,077319E+09	7,765399E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,673681E+08	2,326604E+08	1,163184E+08	1,163209E+08	2,326677E+08	4,673797E+08	7,765489E+08	1,077324E+09	1,270138E+09	1,270155E+09	1,077358E+09	7,765735E+08
1502	4,673895E+08	2,326706E+08	1,163191E+08	1,163147E+08	2,326616E+08	4,673828E+08	7,765653E+08	1,077337E+09	1,270132E+09	1,270143E+09	1,077361E+09	7,765884E+08
1503	4,674005E+08	2,326693E+08	1,163159E+08	1,163206E+08	2,326796E+08	4,674044E+08	7,765874E+08	1,077365E+09	1,270152E+09	1,270137E+09	1,077325E+09	7,765438E+08
1504	4,673680E+08	2,326540E+08	1,163092E+08	1,163099E+08	2,326560E+08	4,673723E+08	7,765522E+08	1,077337E+09	1,270145E+09	1,270150E+09	1,077353E+09	7,765774E+08
1505	4,674022E+08	2,326832E+08	1,163269E+08	1,163228E+08	2,326748E+08	4,673992E+08	7,765756E+08	1,077339E+09	1,270121E+09	1,270113E+09	1,077321E+09	7,765570E+08
1506	4,673896E+08	2,326776E+08	1,163325E+08	1,163377E+08	2,326899E+08	4,674010E+08	7,765670E+08	1,077330E+09	1,270114E+09	1,270101E+09	1,077301E+09	7,765385E+08
1507	4,673834E+08	2,326840E+08	1,163436E+08	1,163428E+08	2,326829E+08	4,673805E+08	7,765343E+08	1,077291E+09	1,270082E+09	1,270095E+09	1,077324E+09	7,765759E+08
1508	4,674234E+08	2,327178E+08	1,163671E+08	1,163673E+08	2,327200E+08	4,674271E+08	7,765720E+08	1,077301E+09	1,270052E+09	1,270037E+09	1,077266E+09	7,765316E+08
1509	4,673932E+08	2,327058E+08	1,163721E+08	1,163789E+08	2,327238E+08	4,674151E+08	7,765463E+08	1,077268E+09	1,270026E+09	1,270023E+09	1,077263E+09	7,765408E+08
1510	4,674141E+08	2,327310E+08	1,163915E+08	1,163879E+08	2,327226E+08	4,674056E+08	7,765333E+08	1,077249E+09	1,269996E+09	1,270001E+09	1,077262E+09	7,765609E+08
1511	4,674415E+08	2,327511E+08	1,164059E+08	1,164085E+08	2,327552E+08	4,674383E+08	7,765537E+08	1,077259E+09	1,269996E+09	1,269979E+09	1,077216E+09	7,765073E+08
1512	4,674030E+08	2,327362E+08	1,164055E+08	1,164072E+08	2,327403E+08	4,674074E+08	7,765101E+08	1,077216E+09	1,269974E+09	1,269988E+09	1,077247E+09	7,765435E+08
1513	4,674349E+08	2,327607E+08	1,164184E+08	1,164137E+08	2,327516E+08	4,674283E+08	7,765292E+08	1,077214E+09	1,269949E+09	1,269957E+09	1,077231E+09	7,765416E+08
1514	4,674319E+08	2,327521E+08	1,164145E+08	1,164195E+08	2,327654E+08	4,674439E+08	7,765491E+08	1,077240E+09	1,269968E+09	1,269957E+09	1,077212E+09	7,765140E+08
1515	4,674088E+08	2,327372E+08	1,164037E+08	1,164019E+08	2,327337E+08	4,674067E+08	7,765209E+08	1,077232E+09	1,269986E+09	1,269997E+09	1,077261E+09	7,765581E+08
1516	4,674397E+08	2,327522E+08	1,164039E+08	1,163997E+08	2,327430E+08	4,674356E+08	7,765648E+08	1,077275E+09	1,270007E+09	1,269989E+09	1,077234E+09	7,765247E+08
1517	4,674038E+08	2,327213E+08	1,163855E+08	1,163894E+08	2,327310E+08	4,674167E+08	7,765485E+08	1,077279E+09	1,270041E+09	1,270032E+09	1,077258E+09	7,765273E+08
1518	4,673992E+08	2,327147E+08	1,163745E+08	1,163696E+08	2,327030E+08	4,673872E+08	7,765242E+08	1,077266E+09	1,270047E+09	1,270063E+09	1,077304E+09	7,765694E+08
1519	4,674249E+08	2,327210E+08	1,163703E+08	1,163705E+08	2,327223E+08	4,674244E+08	7,765636E+08	1,077298E+09	1,270068E+09	1,270065E+09	1,077281E+09	7,765304E+08
1520	4,673821E+08	2,326889E+08	1,163516E+08	1,163541E+08	2,326966E+08	4,673946E+08	7,765413E+08	1,077287E+09	1,270072E+09	1,270084E+09	1,077312E+09	7,765621E+08
1521	4,674049E+08	2,327007E+08	1,163530E+08	1,163488E+08	2,326923E+08	4,673966E+08	7,765494E+08	1,077291E+09	1,270059E+09	1,270062E+09	1,077303E+09	7,765702E+08
1522	4,674171E+08	2,327040E+08	1,163541E+08	1,163573E+08	2,327110E+08	4,674190E+08	7,765738E+08	1,077321E+09	1,270083E+09	1,270058E+09	1,077268E+09	7,765249E+08
1523	4,673838E+08	2,326898E+08	1,163503E+08	1,163499E+08	2,326878E+08	4,673806E+08	7,765292E+08	1,077284E+09	1,270073E+09	1,270081E+09	1,077306E+09	7,765614E+08
1524	4,674161E+08	2,327188E+08	1,163700E+08	1,163659E+08	2,327105E+08	4,674117E+08	7,765561E+08	1,077287E+09	1,270042E+09	1,270033E+09	1,077267E+09	7,765379E+08
1525	4,674014E+08	2,327116E+08	1,163753E+08	1,163823E+08	2,327310E+08	4,674235E+08	7,765532E+08	1,077274E+09	1,270029E+09	1,270019E+09	1,077247E+09	7,765192E+08
1526	4,673957E+08	2,327188E+08	1,163861E+08	1,163862E+08	2,327210E+08	4,673980E+08	7,765165E+08	1,077230E+09	1,269987E+09	1,270002E+09	1,077266E+09	7,765616E+08
1527	4,674426E+08	2,327554E+08	1,164099E+08	1,164102E+08	2,327575E+08	4,674443E+08	7,765547E+08	1,077246E+09	1,269972E+09	1,269958E+09	1,077211E+09	7,765154E+08
1528	4,674130E+08	2,327450E+08	1,164151E+08	1,164201E+08	2,327567E+08	4,674252E+08	7,765255E+08	1,077219E+09	1,269953E+09	1,269947E+09	1,077208E+09	7,765225E+08
1529	4,674308E+08	2,327685E+08	1,164338E+08	1,164298E+08	2,327583E+08	4,674153E+08	7,765012E+08	1,077179E+09	1,269907E+09	1,269916E+09	1,077206E+09	7,765412E+08
1530	4,674572E+08	2,327890E+08	1,164495E+08	1,164515E+08	2,327936E+08	4,674566E+08	7,765336E+08	1,077196E+09	1,269904E+09	1,269890E+09	1,077162E+09	7,764929E+08
1531	4,674189E+08	2,327715E+08	1,164472E+08	1,164489E+08	2,327765E+08	4,674252E+08	7,764955E+08	1,077161E+09	1,269889E+09	1,269906E+09	1,077198E+09	7,765302E+08
1532	4,674493E+08	2,327927E+08	1,164569E+08	1,164524E+08	2,327845E+08	4,674463E+08	7,765275E+08	1,077181E+09	1,269878E+09	1,269875E+09	1,077172E+09	7,765203E+08
1533	4,674431E+08	2,327815E+08	1,164498E+08	1,164555E+08	2,327976E+08	4,674626E+08	7,765453E+08	1,077211E+09	1,269915E+09	1,269893E+09	1,077159E+09	7,764896E+08
1534	4,674161E+08	2,327651E+08	1,164368E+08	1,164344E+08	2,327597E+08	4,674141E+08	7,765019E+08	1,077189E+09	1,269927E+09	1,269938E+09	1,077218E+09	7,765413E+08
1535	4,674503E+08	2,327800E+08	1,164368E+08	1,164324E+08	2,327700E+08	4,674432E+08	7,765415E+08	1,077226E+09	1,269952E+09	1,269944E+09	1,077203E+09	7,765142E+08
1536	4,674161E+08	2,327490E+08	1,164177E+08	1,164212E+08	2,327569E+08	4,674234E+08	7,765253E+08	1,077229E+09	1,269978E+09	1,269977E+09	1,077226E+09	7,765204E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,674126E+08	2,327416E+08	1,164063E+08	1,164025E+08	2,327335E+08	4,673999E+08	7,765007E+08	1,077202E+09	1,269960E+09	1,269985E+09	1,077258E+09	7,765596E+08
1538	4,674421E+08	2,327523E+08	1,164052E+08	1,164050E+08	2,327529E+08	4,674417E+08	7,765540E+08	1,077250E+09	1,269984E+09	1,269975E+09	1,077225E+09	7,765179E+08
1539	4,674004E+08	2,327225E+08	1,163887E+08	1,163901E+08	2,327256E+08	4,674059E+08	7,765274E+08	1,077244E+09	1,270001E+09	1,270005E+09	1,077255E+09	7,765430E+08
1540	4,674199E+08	2,327351E+08	1,163924E+08	1,163870E+08	2,327227E+08	4,674080E+08	7,765374E+08	1,077251E+09	1,269991E+09	1,269984E+09	1,077239E+09	7,765411E+08
1541	4,674263E+08	2,327374E+08	1,163949E+08	1,163988E+08	2,327474E+08	4,674355E+08	7,765570E+08	1,077272E+09	1,270014E+09	1,269988E+09	1,077214E+09	7,764972E+08
1542	4,673898E+08	2,327218E+08	1,163913E+08	1,163922E+08	2,327252E+08	4,673963E+08	7,765060E+08	1,077221E+09	1,269988E+09	1,270004E+09	1,077259E+09	7,765462E+08
1543	4,674294E+08	2,327520E+08	1,164112E+08	1,164089E+08	2,327499E+08	4,674331E+08	7,765409E+08	1,077229E+09	1,269961E+09	1,269962E+09	1,077223E+09	7,765279E+08
1544	4,674196E+08	2,327466E+08	1,164158E+08	1,164229E+08	2,327656E+08	4,674399E+08	7,765419E+08	1,077230E+09	1,269955E+09	1,269942E+09	1,077198E+09	7,765085E+08
1545	4,674158E+08	2,327556E+08	1,164272E+08	1,164274E+08	2,327570E+08	4,674121E+08	7,764939E+08	1,077171E+09	1,269901E+09	1,269915E+09	1,077207E+09	7,765454E+08
1546	4,674640E+08	2,327964E+08	1,164543E+08	1,164527E+08	2,327921E+08	4,674575E+08	7,765337E+08	1,077188E+09	1,269885E+09	1,269868E+09	1,077151E+09	7,764982E+08
1547	4,674320E+08	2,327854E+08	1,164607E+08	1,164644E+08	2,327922E+08	4,674349E+08	7,764985E+08	1,077156E+09	1,269867E+09	1,269866E+09	1,077156E+09	7,765053E+08
1548	4,674468E+08	2,328063E+08	1,164784E+08	1,164743E+08	2,327965E+08	4,674325E+08	7,764841E+08	1,077120E+09	1,269816E+09	1,269825E+09	1,077143E+09	7,765174E+08
1549	4,674682E+08	2,328223E+08	1,164908E+08	1,164944E+08	2,328334E+08	4,674811E+08	7,765255E+08	1,077145E+09	1,269821E+09	1,269805E+09	1,077103E+09	7,764688E+08
1550	4,674281E+08	2,328024E+08	1,164849E+08	1,164874E+08	2,328102E+08	4,674424E+08	7,764859E+08	1,077116E+09	1,269811E+09	1,269824E+09	1,077143E+09	7,765127E+08
1551	4,674627E+08	2,328232E+08	1,164925E+08	1,164880E+08	2,328147E+08	4,674595E+08	7,765142E+08	1,077143E+09	1,269824E+09	1,269817E+09	1,077126E+09	7,765030E+08
1552	4,674561E+08	2,328119E+08	1,164839E+08	1,164880E+08	2,328221E+08	4,674675E+08	7,765270E+08	1,077174E+09	1,269867E+09	1,269844E+09	1,077122E+09	7,764750E+08
1553	4,674278E+08	2,327938E+08	1,164699E+08	1,164677E+08	2,327877E+08	4,674193E+08	7,764709E+08	1,077127E+09	1,269854E+09	1,269876E+09	1,077180E+09	7,765290E+08
1554	4,674641E+08	2,328107E+08	1,164716E+08	1,164667E+08	2,327996E+08	4,674558E+08	7,765208E+08	1,077168E+09	1,269871E+09	1,269870E+09	1,077164E+09	7,765076E+08
1555	4,674322E+08	2,327795E+08	1,164529E+08	1,164563E+08	2,327867E+08	4,674367E+08	7,765104E+08	1,077178E+09	1,269900E+09	1,269903E+09	1,077183E+09	7,765116E+08
1556	4,674290E+08	2,327719E+08	1,164411E+08	1,164374E+08	2,327633E+08	4,674164E+08	7,764972E+08	1,077166E+09	1,269887E+09	1,269901E+09	1,077198E+09	7,765378E+08
1557	4,674536E+08	2,327822E+08	1,164403E+08	1,164407E+08	2,327848E+08	4,674602E+08	7,765489E+08	1,077216E+09	1,269924E+09	1,269905E+09	1,077168E+09	7,764902E+08
1558	4,674077E+08	2,327524E+08	1,164244E+08	1,164259E+08	2,327554E+08	4,674171E+08	7,765109E+08	1,077199E+09	1,269935E+09	1,269938E+09	1,077207E+09	7,765216E+08
1559	4,674289E+08	2,327649E+08	1,164294E+08	1,164252E+08	2,327557E+08	4,674205E+08	7,765165E+08	1,077202E+09	1,269932E+09	1,269930E+09	1,077200E+09	7,765249E+08
1560	4,674372E+08	2,327684E+08	1,164325E+08	1,164370E+08	2,327805E+08	4,674495E+08	7,765386E+08	1,077220E+09	1,269944E+09	1,269925E+09	1,077176E+09	7,764876E+08
1561	4,674051E+08	2,327537E+08	1,164294E+08	1,164320E+08	2,327616E+08	4,674126E+08	7,764839E+08	1,077154E+09	1,269892E+09	1,269916E+09	1,077208E+09	7,765362E+08
1562	4,674513E+08	2,327903E+08	1,164531E+08	1,164500E+08	2,327848E+08	4,674501E+08	7,765276E+08	1,077175E+09	1,269868E+09	1,269863E+09	1,077164E+09	7,765174E+08
1563	4,674436E+08	2,327884E+08	1,164607E+08	1,164661E+08	2,327996E+08	4,674497E+08	7,765192E+08	1,077173E+09	1,269870E+09	1,269852E+09	1,077137E+09	7,764902E+08
1564	4,674360E+08	2,327974E+08	1,164737E+08	1,164722E+08	2,327924E+08	4,674241E+08	7,764740E+08	1,077113E+09	1,269812E+09	1,269821E+09	1,077137E+09	7,765156E+08
1565	4,674764E+08	2,328353E+08	1,165007E+08	1,164996E+08	2,328331E+08	4,674759E+08	7,765137E+08	1,077127E+09	1,269798E+09	1,269783E+09	1,077090E+09	7,764681E+08
1566	4,674399E+08	2,328210E+08	1,165046E+08	1,165094E+08	2,328324E+08	4,674539E+08	7,764784E+08	1,077090E+09	1,269773E+09	1,269778E+09	1,077100E+09	7,764852E+08
1567	4,674583E+08	2,328391E+08	1,165192E+08	1,165168E+08	2,328356E+08	4,674549E+08	7,764740E+08	1,077073E+09	1,269745E+09	1,269753E+09	1,077093E+09	7,765001E+08
1568	4,674816E+08	2,328541E+08	1,165279E+08	1,165317E+08	2,328654E+08	4,674971E+08	7,765188E+08	1,077112E+09	1,269763E+09	1,269740E+09	1,077058E+09	7,764552E+08
1569	4,674430E+08	2,328332E+08	1,165198E+08	1,165226E+08	2,328402E+08	4,674526E+08	7,764664E+08	1,077068E+09	1,269746E+09	1,269758E+09	1,077097E+09	7,764986E+08
1570	4,674789E+08	2,328565E+08	1,165287E+08	1,165225E+08	2,328415E+08	4,674673E+08	7,764956E+08	1,077096E+09	1,269756E+09	1,269752E+09	1,077088E+09	7,764944E+08
1571	4,674721E+08	2,328449E+08	1,165209E+08	1,165238E+08	2,328494E+08	4,674711E+08	7,764986E+08	1,077117E+09	1,269796E+09	1,269784E+09	1,077089E+09	7,764673E+08
1572	4,674426E+08	2,328248E+08	1,165060E+08	1,165036E+08	2,328186E+08	4,674336E+08	7,764546E+08	1,077070E+09	1,269770E+09	1,269798E+09	1,077130E+09	7,765128E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,674756E+08	2,328397E+08	1,165065E+08	1,165031E+08	2,328334E+08	4,674763E+08	7,765129E+08	1,077118E+09	1,269789E+09	1,269789E+09	1,077110E+09	7,764864E+08
1574	4,674418E+08	2,328078E+08	1,164862E+08	1,164905E+08	2,328171E+08	4,674524E+08	7,765015E+08	1,077135E+09	1,269824E+09	1,269820E+09	1,077126E+09	7,764922E+08
1575	4,674409E+08	2,328010E+08	1,164748E+08	1,164717E+08	2,327933E+08	4,674303E+08	7,764861E+08	1,077132E+09	1,269837E+09	1,269840E+09	1,077145E+09	7,765141E+08
1576	4,674628E+08	2,328115E+08	1,164744E+08	1,164742E+08	2,328117E+08	4,674688E+08	7,765345E+08	1,077180E+09	1,269872E+09	1,269850E+09	1,077126E+09	7,764719E+08
1577	4,674174E+08	2,327815E+08	1,164596E+08	1,164624E+08	2,327877E+08	4,674273E+08	7,764856E+08	1,077140E+09	1,269859E+09	1,269872E+09	1,077165E+09	7,765077E+08
1578	4,674424E+08	2,327976E+08	1,164676E+08	1,164635E+08	2,327891E+08	4,674364E+08	7,764997E+08	1,077144E+09	1,269844E+09	1,269850E+09	1,077158E+09	7,765183E+08
1579	4,674550E+08	2,328035E+08	1,164729E+08	1,164772E+08	2,328138E+08	4,674629E+08	7,765222E+08	1,077166E+09	1,269860E+09	1,269845E+09	1,077129E+09	7,764793E+08
1580	4,674260E+08	2,327915E+08	1,164714E+08	1,164734E+08	2,327967E+08	4,674302E+08	7,764742E+08	1,077105E+09	1,269806E+09	1,269822E+09	1,077142E+09	7,765145E+08
1581	4,674688E+08	2,328292E+08	1,164968E+08	1,164933E+08	2,328215E+08	4,674661E+08	7,765116E+08	1,077124E+09	1,269789E+09	1,269779E+09	1,077100E+09	7,764893E+08
1582	4,674567E+08	2,328270E+08	1,165050E+08	1,165099E+08	2,328356E+08	4,674611E+08	7,764949E+08	1,077112E+09	1,269783E+09	1,269767E+09	1,077079E+09	7,764684E+08
1583	4,674495E+08	2,328345E+08	1,165180E+08	1,165176E+08	2,328319E+08	4,674388E+08	7,764486E+08	1,077053E+09	1,269736E+09	1,269747E+09	1,077085E+09	7,764944E+08
1584	4,674876E+08	2,328698E+08	1,165427E+08	1,165423E+08	2,328709E+08	4,674940E+08	7,764975E+08	1,077071E+09	1,269717E+09	1,269706E+09	1,077041E+09	7,764531E+08
1585	4,674536E+08	2,328536E+08	1,165443E+08	1,165510E+08	2,328707E+08	4,674732E+08	7,764632E+08	1,077031E+09	1,269680E+09	1,269688E+09	1,077045E+09	7,764704E+08
1586	4,674760E+08	2,328747E+08	1,165587E+08	1,165557E+08	2,328687E+08	4,674718E+08	7,764655E+08	1,077030E+09	1,269665E+09	1,269667E+09	1,077040E+09	7,764879E+08
1587	4,674999E+08	2,328909E+08	1,165683E+08	1,165702E+08	2,328950E+08	4,675044E+08	7,764988E+08	1,077067E+09	1,269698E+09	1,269673E+09	1,077011E+09	7,764417E+08
1588	4,674606E+08	2,328693E+08	1,165597E+08	1,165607E+08	2,328704E+08	4,674622E+08	7,764474E+08	1,077016E+09	1,269672E+09	1,269685E+09	1,077046E+09	7,764774E+08
1589	4,674900E+08	2,328890E+08	1,165673E+08	1,165615E+08	2,328752E+08	4,674802E+08	7,764750E+08	1,077041E+09	1,269682E+09	1,269683E+09	1,077043E+09	7,764742E+08
1590	4,674805E+08	2,328742E+08	1,165564E+08	1,165602E+08	2,328819E+08	4,674858E+08	7,764806E+08	1,077059E+09	1,269712E+09	1,269707E+09	1,077044E+09	7,764551E+08
1591	4,674540E+08	2,328519E+08	1,165389E+08	1,165382E+08	2,328506E+08	4,674515E+08	7,764465E+08	1,077032E+09	1,269708E+09	1,269730E+09	1,077083E+09	7,764966E+08
1592	4,674862E+08	2,328659E+08	1,165370E+08	1,165339E+08	2,328605E+08	4,674905E+08	7,765089E+08	1,077091E+09	1,269738E+09	1,269728E+09	1,077065E+09	7,764708E+08
1593	4,674530E+08	2,328344E+08	1,165166E+08	1,165214E+08	2,328441E+08	4,674618E+08	7,764854E+08	1,077092E+09	1,269762E+09	1,269755E+09	1,077079E+09	7,764741E+08
1594	4,674530E+08	2,328312E+08	1,165085E+08	1,165044E+08	2,328197E+08	4,674391E+08	7,764708E+08	1,077090E+09	1,269772E+09	1,269777E+09	1,077107E+09	7,765025E+08
1595	4,674753E+08	2,328434E+08	1,165115E+08	1,165106E+08	2,328408E+08	4,674746E+08	7,765082E+08	1,077126E+09	1,269803E+09	1,269789E+09	1,077091E+09	7,764636E+08
1596	4,674328E+08	2,328143E+08	1,164978E+08	1,165006E+08	2,328211E+08	4,674435E+08	7,764697E+08	1,077080E+09	1,269770E+09	1,269788E+09	1,077113E+09	7,764921E+08
1597	4,674570E+08	2,328315E+08	1,165077E+08	1,165044E+08	2,328254E+08	4,674553E+08	7,764888E+08	1,077092E+09	1,269757E+09	1,269762E+09	1,077101E+09	7,764986E+08
1598	4,674703E+08	2,328395E+08	1,165137E+08	1,165178E+08	2,328478E+08	4,674760E+08	7,765044E+08	1,077111E+09	1,269772E+09	1,269752E+09	1,077068E+09	7,764606E+08
1599	4,674432E+08	2,328295E+08	1,165145E+08	1,165164E+08	2,328330E+08	4,674432E+08	7,764533E+08	1,077055E+09	1,269737E+09	1,269744E+09	1,077080E+09	7,764888E+08
1600	4,674820E+08	2,328667E+08	1,165401E+08	1,165363E+08	2,328575E+08	4,674779E+08	7,764891E+08	1,077068E+09	1,269713E+09	1,269704E+09	1,077047E+09	7,764677E+08
1601	4,674687E+08	2,328624E+08	1,165480E+08	1,165546E+08	2,328763E+08	4,674769E+08	7,764679E+08	1,077040E+09	1,269686E+09	1,269679E+09	1,077024E+09	7,764496E+08
1602	4,674639E+08	2,328716E+08	1,165618E+08	1,165618E+08	2,328719E+08	4,674611E+08	7,764372E+08	1,076995E+09	1,269639E+09	1,269655E+09	1,077034E+09	7,764827E+08
1603	4,675037E+08	2,329065E+08	1,165860E+08	1,165856E+08	2,329077E+08	4,675108E+08	7,764857E+08	1,077024E+09	1,269636E+09	1,269624E+09	1,076991E+09	7,764420E+08
1604	4,674731E+08	2,328909E+08	1,165861E+08	1,165919E+08	2,329059E+08	4,674922E+08	7,764567E+08	1,076989E+09	1,269605E+09	1,269604E+09	1,076984E+09	7,764489E+08
1605	4,674911E+08	2,329110E+08	1,166000E+08	1,165963E+08	2,329026E+08	4,674862E+08	7,764523E+08	1,076987E+09	1,269600E+09	1,269598E+09	1,076987E+09	7,764643E+08
1606	4,675112E+08	2,329248E+08	1,166074E+08	1,166086E+08	2,329259E+08	4,675121E+08	7,764746E+08	1,077012E+09	1,269624E+09	1,269605E+09	1,076969E+09	7,764280E+08
1607	4,674734E+08	2,329009E+08	1,165973E+08	1,165991E+08	2,329040E+08	4,674736E+08	7,764226E+08	1,076964E+09	1,269608E+09	1,269623E+09	1,077004E+09	7,764631E+08
1608	4,675005E+08	2,329168E+08	1,166009E+08	1,165959E+08	2,329060E+08	4,674940E+08	7,764589E+08	1,076990E+09	1,269608E+09	1,269616E+09	1,077003E+09	7,764643E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,674931E+08	2,329005E+08	1,165878E+08	1,165931E+08	2,329122E+08	4,675000E+08	7,764667E+08	1,077008E+09	1,269629E+09	1,269624E+09	1,076993E+09	7,764421E+08
1610	4,674696E+08	2,328819E+08	1,165714E+08	1,165697E+08	2,328773E+08	4,674643E+08	7,764388E+08	1,076996E+09	1,269637E+09	1,269652E+09	1,077032E+09	7,764817E+08
1611	4,674991E+08	2,328968E+08	1,165717E+08	1,165667E+08	2,328852E+08	4,674950E+08	7,764902E+08	1,077052E+09	1,269682E+09	1,269668E+09	1,077020E+09	7,764546E+08
1612	4,674664E+08	2,328665E+08	1,165528E+08	1,165560E+08	2,328729E+08	4,674734E+08	7,764695E+08	1,077045E+09	1,269694E+09	1,269687E+09	1,077029E+09	7,764516E+08
1613	4,674615E+08	2,328619E+08	1,165459E+08	1,165423E+08	2,328532E+08	4,674537E+08	7,764530E+08	1,077038E+09	1,269700E+09	1,269710E+09	1,077062E+09	7,764830E+08
1614	4,674840E+08	2,328731E+08	1,165482E+08	1,165482E+08	2,328742E+08	4,674897E+08	7,764915E+08	1,077071E+09	1,269720E+09	1,269711E+09	1,077047E+09	7,764542E+08
1615	4,674481E+08	2,328457E+08	1,165353E+08	1,165394E+08	2,328560E+08	4,674601E+08	7,764572E+08	1,077039E+09	1,269704E+09	1,269713E+09	1,077061E+09	7,764764E+08
1616	4,674715E+08	2,328638E+08	1,165450E+08	1,165419E+08	2,328576E+08	4,674684E+08	7,764753E+08	1,077050E+09	1,269691E+09	1,269691E+09	1,077051E+09	7,764830E+08
1617	4,674857E+08	2,328733E+08	1,165527E+08	1,165570E+08	2,328811E+08	4,674867E+08	7,764814E+08	1,077052E+09	1,269689E+09	1,269671E+09	1,077012E+09	7,764419E+08
1618	4,674595E+08	2,328672E+08	1,165571E+08	1,165582E+08	2,328680E+08	4,674562E+08	7,764332E+08	1,076998E+09	1,269648E+09	1,269661E+09	1,077030E+09	7,764733E+08
1619	4,674965E+08	2,329046E+08	1,165850E+08	1,165808E+08	2,328952E+08	4,674905E+08	7,764631E+08	1,077004E+09	1,269625E+09	1,269623E+09	1,076998E+09	7,764550E+08
1620	4,674866E+08	2,329007E+08	1,165926E+08	1,165991E+08	2,329172E+08	4,675013E+08	7,764562E+08	1,076978E+09	1,269586E+09	1,269580E+09	1,076959E+09	7,764286E+08
1621	4,674793E+08	2,329091E+08	1,166060E+08	1,166066E+08	2,329121E+08	4,674839E+08	7,764308E+08	1,076948E+09	1,269554E+09	1,269562E+09	1,076969E+09	7,764591E+08
1622	4,675182E+08	2,329431E+08	1,166282E+08	1,166274E+08	2,329428E+08	4,675246E+08	7,764704E+08	1,076976E+09	1,269558E+09	1,269539E+09	1,076932E+09	7,764243E+08
1623	4,674900E+08	2,329280E+08	1,166283E+08	1,166334E+08	2,329399E+08	4,675022E+08	7,764353E+08	1,076946E+09	1,269548E+09	1,269539E+09	1,076931E+09	7,764274E+08
1624	4,675030E+08	2,329447E+08	1,166396E+08	1,166354E+08	2,329348E+08	4,674947E+08	7,764282E+08	1,076935E+09	1,269534E+09	1,269539E+09	1,076948E+09	7,764500E+08
1625	4,675227E+08	2,329551E+08	1,166444E+08	1,166464E+08	2,329591E+08	4,675226E+08	7,764460E+08	1,076944E+09	1,269536E+09	1,269528E+09	1,076924E+09	7,764162E+08
1626	4,674879E+08	2,329322E+08	1,166334E+08	1,166351E+08	2,329361E+08	4,674907E+08	7,764109E+08	1,076912E+09	1,269520E+09	1,269542E+09	1,076960E+09	7,764547E+08
1627	4,675157E+08	2,329476E+08	1,166361E+08	1,166305E+08	2,329353E+08	4,675060E+08	7,764455E+08	1,076948E+09	1,269539E+09	1,269542E+09	1,076955E+09	7,764537E+08
1628	4,675104E+08	2,329317E+08	1,166218E+08	1,166256E+08	2,329407E+08	4,675161E+08	7,764588E+08	1,076969E+09	1,269562E+09	1,269548E+09	1,076935E+09	7,764192E+08
1629	4,674807E+08	2,329125E+08	1,166066E+08	1,166040E+08	2,329060E+08	4,674770E+08	7,764287E+08	1,076961E+09	1,269582E+09	1,269591E+09	1,076983E+09	7,764570E+08
1630	4,675058E+08	2,329250E+08	1,166062E+08	1,166011E+08	2,329134E+08	4,675024E+08	7,764686E+08	1,077004E+09	1,269617E+09	1,269607E+09	1,076981E+09	7,764407E+08
1631	4,674764E+08	2,328949E+08	1,165881E+08	1,165924E+08	2,329053E+08	4,674859E+08	7,764489E+08	1,076999E+09	1,269636E+09	1,269629E+09	1,076988E+09	7,764369E+08
1632	4,674705E+08	2,328885E+08	1,165795E+08	1,165773E+08	2,328853E+08	4,674701E+08	7,764401E+08	1,076990E+09	1,269628E+09	1,269643E+09	1,077022E+09	7,764737E+08
1633	4,674978E+08	2,329009E+08	1,165821E+08	1,165833E+08	2,329052E+08	4,675031E+08	7,764751E+08	1,077017E+09	1,269634E+09	1,269624E+09	1,076992E+09	7,764416E+08
1634	4,674670E+08	2,328802E+08	1,165731E+08	1,165763E+08	2,328872E+08	4,674737E+08	7,764442E+08	1,076993E+09	1,269623E+09	1,269627E+09	1,077006E+09	7,764615E+08
1635	4,674892E+08	2,329016E+08	1,165871E+08	1,165823E+08	2,328894E+08	4,674753E+08	7,764490E+08	1,076995E+09	1,269616E+09	1,269614E+09	1,076997E+09	7,764664E+08
1636	4,675038E+08	2,329125E+08	1,165969E+08	1,165999E+08	2,329185E+08	4,675035E+08	7,764601E+08	1,076989E+09	1,269597E+09	1,269581E+09	1,076950E+09	7,764170E+08
1637	4,674722E+08	2,329054E+08	1,166032E+08	1,166048E+08	2,329100E+08	4,674777E+08	7,764175E+08	1,076939E+09	1,269559E+09	1,269572E+09	1,076969E+09	7,764481E+08
1638	4,675071E+08	2,329396E+08	1,166286E+08	1,166255E+08	2,329352E+08	4,675112E+08	7,764500E+08	1,076949E+09	1,269535E+09	1,269532E+09	1,076941E+09	7,764389E+08
1639	4,675029E+08	2,329370E+08	1,166358E+08	1,166432E+08	2,329565E+08	4,675210E+08	7,764467E+08	1,076942E+09	1,269523E+09	1,269501E+09	1,076900E+09	7,764075E+08
1640	4,674933E+08	2,329437E+08	1,166465E+08	1,166470E+08	2,329464E+08	4,674985E+08	7,764172E+08	1,076908E+09	1,269492E+09	1,269496E+09	1,076920E+09	7,764427E+08
1641	4,675329E+08	2,329769E+08	1,166680E+08	1,166669E+08	2,329746E+08	4,675329E+08	7,764449E+08	1,076919E+09	1,269481E+09	1,269466E+09	1,076885E+09	7,764107E+08
1642	4,675077E+08	2,329646E+08	1,166693E+08	1,166734E+08	2,329726E+08	4,675115E+08	7,764099E+08	1,076885E+09	1,269463E+09	1,269466E+09	1,076893E+09	7,764186E+08
1643	4,675189E+08	2,329795E+08	1,166800E+08	1,166752E+08	2,329677E+08	4,675033E+08	7,763974E+08	1,076868E+09	1,269449E+09	1,269466E+09	1,076908E+09	7,764433E+08
1644	4,675413E+08	2,329890E+08	1,166826E+08	1,166839E+08	2,329932E+08	4,675434E+08	7,764330E+08	1,076883E+09	1,269439E+09	1,269435E+09	1,076866E+09	7,763984E+08

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°
1645	4,675026E+08	2,329649E+08	1,166708E+08	1,166722E+08	2,329689E+08	4,675093E+08	7,764048E+08	1,076871E+09	1,269444E+09	1,269455E+09	1,076896E+09	7,764295E+08
1646	4,675264E+08	2,329774E+08	1,166707E+08	1,166648E+08	2,329640E+08	4,675177E+08	7,764327E+08	1,076910E+09	1,269475E+09	1,269467E+09	1,076899E+09	7,764325E+08
1647	4,675220E+08	2,329620E+08	1,166570E+08	1,166606E+08	2,329701E+08	4,675262E+08	7,764432E+08	1,076938E+09	1,269518E+09	1,269492E+09	1,076885E+09	7,763945E+08
1648	4,674861E+08	2,329386E+08	1,166394E+08	1,166378E+08	2,329353E+08	4,674882E+08	7,764121E+08	1,076920E+09	1,269529E+09	1,269542E+09	1,076949E+09	7,764423E+08
1649	4,675121E+08	2,329485E+08	1,166378E+08	1,166345E+08	2,329432E+08	4,675150E+08	7,764486E+08	1,076949E+09	1,269541E+09	1,269540E+09	1,076943E+09	7,764323E+08
1650	4,674902E+08	2,329228E+08	1,166212E+08	1,166258E+08	2,329348E+08	4,675021E+08	7,764399E+08	1,076953E+09	1,269558E+09	1,269557E+09	1,076951E+09	7,764312E+08
1651	4,674871E+08	2,329192E+08	1,166147E+08	1,166120E+08	2,329138E+08	4,674800E+08	7,764229E+08	1,076946E+09	1,269560E+09	1,269572E+09	1,076978E+09	7,764658E+08
1652	4,675190E+08	2,329362E+08	1,166195E+08	1,166188E+08	2,329353E+08	4,675177E+08	7,764595E+08	1,076966E+09	1,269556E+09	1,269542E+09	1,076932E+09	7,764199E+08
1653	4,674831E+08	2,329174E+08	1,166149E+08	1,166169E+08	2,329209E+08	4,674871E+08	7,764271E+08	1,076943E+09	1,269549E+09	1,269549E+09	1,076945E+09	7,764352E+08
1654	4,675012E+08	2,329372E+08	1,166296E+08	1,166250E+08	2,329256E+08	4,674873E+08	7,764234E+08	1,076934E+09	1,269531E+09	1,269532E+09	1,076943E+09	7,764481E+08
1655	4,675182E+08	2,329487E+08	1,166406E+08	1,166448E+08	2,329590E+08	4,675219E+08	7,764402E+08	1,076935E+09	1,269519E+09	1,269499E+09	1,076893E+09	7,763959E+08
1656	4,674837E+08	2,329389E+08	1,166449E+08	1,166482E+08	2,329496E+08	4,675001E+08	7,764079E+08	1,076889E+09	1,269476E+09	1,269490E+09	1,076916E+09	7,764320E+08
1657	4,675209E+08	2,329724E+08	1,166691E+08	1,166671E+08	2,329709E+08	4,675269E+08	7,764335E+08	1,076894E+09	1,269447E+09	1,269440E+09	1,076880E+09	7,764214E+08
1658	4,675218E+08	2,329755E+08	1,166786E+08	1,166848E+08	2,329905E+08	4,675341E+08	7,764297E+08	1,076891E+09	1,269443E+09	1,269422E+09	1,076848E+09	7,763918E+08
1659	4,675117E+08	2,329838E+08	1,166914E+08	1,166901E+08	2,329800E+08	4,675051E+08	7,763866E+08	1,076847E+09	1,269417E+09	1,269426E+09	1,076874E+09	7,764300E+08
1660	4,675528E+08	2,330164E+08	1,167119E+08	1,167093E+08	2,330109E+08	4,675475E+08	7,764177E+08	1,076847E+09	1,269386E+09	1,269379E+09	1,076830E+09	7,763919E+08
1661	4,675231E+08	2,330020E+08	1,167130E+08	1,167173E+08	2,330116E+08	4,675312E+08	7,763934E+08	1,076825E+09	1,269373E+09	1,269377E+09	1,076834E+09	7,763988E+08
1662	4,675320E+08	2,330120E+08	1,167190E+08	1,167152E+08	2,330035E+08	4,675217E+08	7,763846E+08	1,076815E+09	1,269362E+09	1,269377E+09	1,076852E+09	7,764278E+08
1663	4,675563E+08	2,330205E+08	1,167193E+08	1,167213E+08	2,330264E+08	4,675606E+08	7,764265E+08	1,076854E+09	1,269383E+09	1,269362E+09	1,076807E+09	7,763742E+08
1664	4,675112E+08	2,329924E+08	1,167037E+08	1,167057E+08	2,329981E+08	4,675248E+08	7,763992E+08	1,076842E+09	1,269396E+09	1,269401E+09	1,076851E+09	7,764085E+08
1665	4,675323E+08	2,330016E+08	1,167017E+08	1,166964E+08	2,329897E+08	4,675259E+08	7,764156E+08	1,076867E+09	1,269417E+09	1,269411E+09	1,076858E+09	7,764159E+08
1666	4,675321E+08	2,329896E+08	1,166895E+08	1,166931E+08	2,329973E+08	4,675359E+08	7,764255E+08	1,076891E+09	1,269455E+09	1,269440E+09	1,076858E+09	7,763868E+08
1667	4,674984E+08	2,329665E+08	1,166727E+08	1,166711E+08	2,329633E+08	4,674971E+08	7,763886E+08	1,076866E+09	1,269461E+09	1,269484E+09	1,076918E+09	7,764400E+08
1668	4,675305E+08	2,329785E+08	1,166710E+08	1,166670E+08	2,329721E+08	4,675316E+08	7,764354E+08	1,076894E+09	1,269455E+09	1,269457E+09	1,076893E+09	7,764200E+08
1669	4,675083E+08	2,329562E+08	1,166578E+08	1,166617E+08	2,329648E+08	4,675159E+08	7,764290E+08	1,076910E+09	1,269483E+09	1,269473E+09	1,076890E+09	7,764105E+08
1670	4,675026E+08	2,329527E+08	1,166523E+08	1,166490E+08	2,329438E+08	4,674891E+08	7,764017E+08	1,076894E+09	1,269486E+09	1,269493E+09	1,076920E+09	7,764458E+08
1671	4,675348E+08	2,329725E+08	1,166608E+08	1,166596E+08	2,329690E+08	4,675281E+08	7,764380E+08	1,076920E+09	1,269493E+09	1,269470E+09	1,076875E+09	7,763928E+08
1672	4,674916E+08	2,329504E+08	1,166556E+08	1,166589E+08	2,329584E+08	4,675040E+08	7,764081E+08	1,076888E+09	1,269473E+09	1,269477E+09	1,076896E+09	7,764137E+08
1673	4,675088E+08	2,329673E+08	1,166695E+08	1,166670E+08	2,329634E+08	4,675064E+08	7,764057E+08	1,076872E+09	1,269439E+09	1,269445E+09	1,076888E+09	7,764311E+08
1674	4,675331E+08	2,329833E+08	1,166818E+08	1,166869E+08	2,329967E+08	4,675434E+08	7,764321E+08	1,076884E+09	1,269432E+09	1,269415E+09	1,076844E+09	7,763832E+08
1675	4,675014E+08	2,329755E+08	1,166870E+08	1,166900E+08	2,329842E+08	4,675131E+08	7,763904E+08	1,076841E+09	1,269404E+09	1,269414E+09	1,076866E+09	7,764209E+08
1676	4,675430E+08	2,330118E+08	1,167118E+08	1,167079E+08	2,330049E+08	4,675426E+08	7,764156E+08	1,076837E+09	1,269364E+09	1,269356E+09	1,076822E+09	7,764018E+08
1677	4,675406E+08	2,330167E+08	1,167245E+08	1,167293E+08	2,330262E+08	4,675460E+08	7,764076E+08	1,076834E+09	1,269362E+09	1,269343E+09	1,076792E+09	7,763708E+08
1678	4,675271E+08	2,330216E+08	1,167357E+08	1,167346E+08	2,330176E+08	4,675169E+08	7,763569E+08	1,076778E+09	1,269326E+09	1,269343E+09	1,076824E+09	7,764159E+08
1679	4,675696E+08	2,330530E+08	1,167549E+08	1,167532E+08	2,330498E+08	4,675649E+08	7,763986E+08	1,076792E+09	1,269303E+09	1,269294E+09	1,076772E+09	7,763711E+08
1680	4,675344E+08	2,330332E+08	1,167512E+08	1,167571E+08	2,330483E+08	4,675532E+08	7,763870E+08	1,076779E+09	1,269292E+09	1,269294E+09	1,076778E+09	7,763789E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1681	4,675419E+08	2,330398E+08	1,167534E+08	1,167507E+08	2,330341E+08	4,675364E+08	7,763746E+08	1,076773E+09	1,269287E+09	1,269293E+09	1,076791E+09	7,764062E+08
1682	4,675692E+08	2,330517E+08	1,167542E+08	1,167552E+08	2,330541E+08	4,675720E+08	7,764153E+08	1,076815E+09	1,269322E+09	1,269301E+09	1,076765E+09	7,763568E+08
1683	4,675227E+08	2,330232E+08	1,167391E+08	1,167398E+08	2,330245E+08	4,675298E+08	7,763765E+08	1,076798E+09	1,269343E+09	1,269352E+09	1,076819E+09	7,763975E+08
1684	4,675459E+08	2,330317E+08	1,167358E+08	1,167297E+08	2,330186E+08	4,675387E+08	7,763949E+08	1,076810E+09	1,269342E+09	1,269346E+09	1,076819E+09	7,764023E+08
1685	4,675443E+08	2,330200E+08	1,167252E+08	1,167286E+08	2,330280E+08	4,675508E+08	7,764124E+08	1,076843E+09	1,269383E+09	1,269371E+09	1,076813E+09	7,763741E+08
1686	4,675122E+08	2,329953E+08	1,167065E+08	1,167057E+08	2,329934E+08	4,675104E+08	7,763741E+08	1,076818E+09	1,269386E+09	1,269409E+09	1,076872E+09	7,764298E+08
1687	4,675482E+08	2,330102E+08	1,167061E+08	1,167021E+08	2,330012E+08	4,675420E+08	7,764219E+08	1,076859E+09	1,269397E+09	1,269386E+09	1,076838E+09	7,763989E+08
1688	4,675199E+08	2,329868E+08	1,166931E+08	1,166973E+08	2,329953E+08	4,675295E+08	7,764168E+08	1,076870E+09	1,269420E+09	1,269409E+09	1,076842E+09	7,763898E+08
1689	4,675112E+08	2,329819E+08	1,166886E+08	1,166861E+08	2,329745E+08	4,674987E+08	7,763794E+08	1,076838E+09	1,269406E+09	1,269417E+09	1,076869E+09	7,764251E+08
1690	4,675460E+08	2,330053E+08	1,166999E+08	1,166994E+08	2,330038E+08	4,675432E+08	7,764182E+08	1,076859E+09	1,269408E+09	1,269398E+09	1,076833E+09	7,763788E+08
1691	4,675050E+08	2,329842E+08	1,166963E+08	1,167005E+08	2,329952E+08	4,675214E+08	7,763898E+08	1,076828E+09	1,269388E+09	1,269400E+09	1,076850E+09	7,764034E+08
1692	4,675273E+08	2,330027E+08	1,167097E+08	1,167073E+08	2,329999E+08	4,675283E+08	7,763948E+08	1,076814E+09	1,269343E+09	1,269348E+09	1,076825E+09	7,764117E+08
1693	4,675513E+08	2,330225E+08	1,167258E+08	1,167301E+08	2,330327E+08	4,675599E+08	7,764210E+08	1,076838E+09	1,269353E+09	1,269324E+09	1,076775E+09	7,763606E+08
1694	4,675197E+08	2,330151E+08	1,167318E+08	1,167343E+08	2,330202E+08	4,675239E+08	7,763662E+08	1,076783E+09	1,269323E+09	1,269331E+09	1,076808E+09	7,764017E+08
1695	4,675618E+08	2,330531E+08	1,167583E+08	1,167540E+08	2,330422E+08	4,675524E+08	7,763905E+08	1,076784E+09	1,269289E+09	1,269279E+09	1,076764E+09	7,763773E+08
1696	4,675519E+08	2,330531E+08	1,167686E+08	1,167746E+08	2,330668E+08	4,675648E+08	7,763879E+08	1,076773E+09	1,269276E+09	1,269265E+09	1,076742E+09	7,763523E+08
1697	4,675369E+08	2,330533E+08	1,167761E+08	1,167766E+08	2,330552E+08	4,675359E+08	7,763405E+08	1,076715E+09	1,269229E+09	1,269252E+09	1,076768E+09	7,763988E+08
1698	4,675840E+08	2,330862E+08	1,167936E+08	1,167926E+08	2,330849E+08	4,675843E+08	7,763909E+08	1,076744E+09	1,269222E+09	1,269215E+09	1,076723E+09	7,763564E+08
1699	4,675500E+08	2,330664E+08	1,167884E+08	1,167937E+08	2,330790E+08	4,675656E+08	7,763737E+08	1,076740E+09	1,269232E+09	1,269228E+09	1,076732E+09	7,763650E+08
1700	4,675585E+08	2,330726E+08	1,167887E+08	1,167843E+08	2,330625E+08	4,675497E+08	7,763607E+08	1,076729E+09	1,269222E+09	1,269226E+09	1,076742E+09	7,763861E+08
1701	4,675815E+08	2,330850E+08	1,167918E+08	1,167915E+08	2,330831E+08	4,675807E+08	7,763980E+08	1,076772E+09	1,269262E+09	1,269240E+09	1,076721E+09	7,763415E+08
1702	4,675348E+08	2,330531E+08	1,167746E+08	1,167758E+08	2,330549E+08	4,675385E+08	7,763513E+08	1,076741E+09	1,269272E+09	1,269291E+09	1,076784E+09	7,763902E+08
1703	4,675608E+08	2,330617E+08	1,167709E+08	1,167653E+08	2,330492E+08	4,675513E+08	7,763805E+08	1,076766E+09	1,269273E+09	1,269277E+09	1,076775E+09	7,763884E+08
1704	4,675552E+08	2,330471E+08	1,167576E+08	1,167621E+08	2,330580E+08	4,675667E+08	7,764040E+08	1,076801E+09	1,269310E+09	1,269297E+09	1,076766E+09	7,763585E+08
1705	4,675220E+08	2,330217E+08	1,167383E+08	1,167379E+08	2,330204E+08	4,675208E+08	7,763591E+08	1,076771E+09	1,269311E+09	1,269328E+09	1,076814E+09	7,764100E+08
1706	4,675617E+08	2,330418E+08	1,167413E+08	1,167368E+08	2,330299E+08	4,675518E+08	7,764040E+08	1,076809E+09	1,269327E+09	1,269321E+09	1,076792E+09	7,763802E+08
1707	4,675321E+08	2,330192E+08	1,167306E+08	1,167344E+08	2,330261E+08	4,675378E+08	7,763927E+08	1,076816E+09	1,269351E+09	1,269344E+09	1,076799E+09	7,763752E+08
1708	4,675247E+08	2,330148E+08	1,167266E+08	1,167244E+08	2,330097E+08	4,675174E+08	7,763623E+08	1,076777E+09	1,269317E+09	1,269334E+09	1,076816E+09	7,764058E+08
1709	4,675581E+08	2,330398E+08	1,167412E+08	1,167409E+08	2,330406E+08	4,675634E+08	7,764100E+08	1,076810E+09	1,269324E+09	1,269310E+09	1,076775E+09	7,763616E+08
1710	4,675205E+08	2,330184E+08	1,167368E+08	1,167420E+08	2,330317E+08	4,675384E+08	7,763775E+08	1,076781E+09	1,269309E+09	1,269316E+09	1,076795E+09	7,763881E+08
1711	4,675459E+08	2,330404E+08	1,167519E+08	1,167492E+08	2,330347E+08	4,675416E+08	7,763825E+08	1,076777E+09	1,269278E+09	1,269271E+09	1,076766E+09	7,763879E+08
1712	4,675642E+08	2,330589E+08	1,167682E+08	1,167724E+08	2,330684E+08	4,675742E+08	7,764046E+08	1,076790E+09	1,269283E+09	1,269254E+09	1,076726E+09	7,763401E+08
1713	4,675309E+08	2,330502E+08	1,167746E+08	1,167774E+08	2,330558E+08	4,675341E+08	7,763391E+08	1,076718E+09	1,269234E+09	1,269249E+09	1,076755E+09	7,763850E+08
1714	4,675778E+08	2,330907E+08	1,168022E+08	1,167983E+08	2,330809E+08	4,675669E+08	7,763642E+08	1,076712E+09	1,269196E+09	1,269202E+09	1,076722E+09	7,763660E+08
1715	4,675690E+08	2,330899E+08	1,168114E+08	1,168176E+08	2,331046E+08	4,675818E+08	7,763683E+08	1,076709E+09	1,269183E+09	1,269179E+09	1,076693E+09	7,763427E+08
1716	4,675571E+08	2,330900E+08	1,168163E+08	1,168163E+08	2,330910E+08	4,675564E+08	7,763295E+08	1,076659E+09	1,269134E+09	1,269152E+09	1,076702E+09	7,763772E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,676000E+08	2,331235E+08	1,168351E+08	1,168325E+08	2,331176E+08	4,675985E+08	7,763807E+08	1,076703E+09	1,269151E+09	1,269130E+09	1,076658E+09	7,763338E+08
1718	4,675651E+08	2,331017E+08	1,168285E+08	1,168330E+08	2,331113E+08	4,675753E+08	7,763533E+08	1,076693E+09	1,269167E+09	1,269161E+09	1,076682E+09	7,763462E+08
1719	4,675720E+08	2,331068E+08	1,168280E+08	1,168232E+08	2,330943E+08	4,675584E+08	7,763414E+08	1,076687E+09	1,269161E+09	1,269164E+09	1,076696E+09	7,763645E+08
1720	4,675877E+08	2,331133E+08	1,168277E+08	1,168289E+08	2,331173E+08	4,675977E+08	7,763840E+08	1,076724E+09	1,269193E+09	1,269179E+09	1,076685E+09	7,763289E+08
1721	4,675418E+08	2,330779E+08	1,168071E+08	1,168097E+08	2,330853E+08	4,675534E+08	7,763383E+08	1,076690E+09	1,269191E+09	1,269214E+09	1,076739E+09	7,763789E+08
1722	4,675737E+08	2,330888E+08	1,168025E+08	1,167976E+08	2,330774E+08	4,675637E+08	7,763688E+08	1,076722E+09	1,269204E+09	1,269213E+09	1,076736E+09	7,763780E+08
1723	4,675700E+08	2,330763E+08	1,167898E+08	1,167933E+08	2,330836E+08	4,675754E+08	7,763888E+08	1,076761E+09	1,269252E+09	1,269236E+09	1,076724E+09	7,763473E+08
1724	4,675380E+08	2,330526E+08	1,167712E+08	1,167695E+08	2,330474E+08	4,675320E+08	7,763423E+08	1,076722E+09	1,269238E+09	1,269255E+09	1,076763E+09	7,763888E+08
1725	4,675729E+08	2,330746E+08	1,167791E+08	1,167737E+08	2,330605E+08	4,675617E+08	7,763858E+08	1,076762E+09	1,269257E+09	1,269247E+09	1,076741E+09	7,763627E+08
1726	4,675448E+08	2,330512E+08	1,167690E+08	1,167738E+08	2,330617E+08	4,675524E+08	7,763713E+08	1,076758E+09	1,269270E+09	1,269268E+09	1,076752E+09	7,763617E+08
1727	4,675395E+08	2,330480E+08	1,167660E+08	1,167646E+08	2,330454E+08	4,675352E+08	7,763538E+08	1,076735E+09	1,269240E+09	1,269251E+09	1,076759E+09	7,763847E+08
1728	4,675682E+08	2,330712E+08	1,167798E+08	1,167809E+08	2,330765E+08	4,675831E+08	7,764043E+08	1,076770E+09	1,269249E+09	1,269229E+09	1,076719E+09	7,763422E+08
1729	4,675320E+08	2,330512E+08	1,167762E+08	1,167814E+08	2,330643E+08	4,675499E+08	7,763596E+08	1,076731E+09	1,269231E+09	1,269232E+09	1,076735E+09	7,763677E+08
1730	4,675620E+08	2,330783E+08	1,167950E+08	1,167916E+08	2,330691E+08	4,675508E+08	7,763566E+08	1,076716E+09	1,269202E+09	1,269205E+09	1,076722E+09	7,763721E+08
1731	4,675809E+08	2,330981E+08	1,168130E+08	1,168163E+08	2,331047E+08	4,675839E+08	7,763743E+08	1,076724E+09	1,269199E+09	1,269181E+09	1,076683E+09	7,763296E+08
1732	4,675499E+08	2,330892E+08	1,168186E+08	1,168214E+08	2,330961E+08	4,675542E+08	7,763169E+08	1,076646E+09	1,269130E+09	1,269152E+09	1,076697E+09	7,763681E+08
1733	4,675951E+08	2,331300E+08	1,168475E+08	1,168435E+08	2,331208E+08	4,675873E+08	7,763523E+08	1,076657E+09	1,269100E+09	1,269101E+09	1,076657E+09	7,763500E+08
1734	4,675879E+08	2,331270E+08	1,168541E+08	1,168606E+08	2,331427E+08	4,675993E+08	7,763545E+08	1,076659E+09	1,269101E+09	1,269090E+09	1,076633E+09	7,763251E+08
1735	4,675752E+08	2,331276E+08	1,168582E+08	1,168573E+08	2,331251E+08	4,675712E+08	7,763215E+08	1,076627E+09	1,269071E+09	1,269076E+09	1,076642E+09	7,763500E+08
1736	4,676080E+08	2,331557E+08	1,168743E+08	1,168717E+08	2,331510E+08	4,676129E+08	7,763683E+08	1,076663E+09	1,269089E+09	1,269068E+09	1,076613E+09	7,763124E+08
1737	4,675710E+08	2,331305E+08	1,168651E+08	1,168699E+08	2,331422E+08	4,675847E+08	7,763309E+08	1,076640E+09	1,269096E+09	1,269096E+09	1,076640E+09	7,763319E+08
1738	4,675830E+08	2,331359E+08	1,168633E+08	1,168594E+08	2,331265E+08	4,675717E+08	7,763202E+08	1,076628E+09	1,269089E+09	1,269108E+09	1,076666E+09	7,763577E+08
1739	4,676015E+08	2,331412E+08	1,168606E+08	1,168616E+08	2,331456E+08	4,676097E+08	7,763677E+08	1,076674E+09	1,269119E+09	1,269111E+09	1,076649E+09	7,763249E+08
1740	4,675601E+08	2,331071E+08	1,168383E+08	1,168402E+08	2,331123E+08	4,675669E+08	7,763263E+08	1,076644E+09	1,269111E+09	1,269128E+09	1,076682E+09	7,763628E+08
1741	4,675893E+08	2,331211E+08	1,168374E+08	1,168307E+08	2,331036E+08	4,675713E+08	7,763529E+08	1,076681E+09	1,269138E+09	1,269134E+09	1,076677E+09	7,763597E+08
1742	4,675848E+08	2,331083E+08	1,168260E+08	1,168286E+08	2,331125E+08	4,675822E+08	7,763651E+08	1,076710E+09	1,269184E+09	1,269169E+09	1,076675E+09	7,763287E+08
1743	4,675508E+08	2,330855E+08	1,168093E+08	1,168073E+08	2,330794E+08	4,675438E+08	7,763268E+08	1,076680E+09	1,269171E+09	1,269185E+09	1,076711E+09	7,763636E+08
1744	4,675768E+08	2,331025E+08	1,168160E+08	1,168124E+08	2,330969E+08	4,675826E+08	7,763764E+08	1,076716E+09	1,269184E+09	1,269177E+09	1,076695E+09	7,763441E+08
1745	4,675510E+08	2,330784E+08	1,168047E+08	1,168109E+08	2,330955E+08	4,675708E+08	7,763620E+08	1,076712E+09	1,269192E+09	1,269187E+09	1,076699E+09	7,763459E+08
1746	4,675532E+08	2,330794E+08	1,168031E+08	1,168025E+08	2,330787E+08	4,675503E+08	7,763405E+08	1,076690E+09	1,269174E+09	1,269186E+09	1,076715E+09	7,763722E+08
1747	4,675849E+08	2,331053E+08	1,168185E+08	1,168184E+08	2,331072E+08	4,675930E+08	7,763851E+08	1,076723E+09	1,269183E+09	1,269164E+09	1,076677E+09	7,763330E+08
1748	4,675523E+08	2,330889E+08	1,168174E+08	1,168213E+08	2,330979E+08	4,675612E+08	7,763351E+08	1,076669E+09	1,269143E+09	1,269149E+09	1,076682E+09	7,763511E+08
1749	4,675798E+08	2,331189E+08	1,168411E+08	1,168367E+08	2,331065E+08	4,675617E+08	7,763285E+08	1,076651E+09	1,269111E+09	1,269116E+09	1,076667E+09	7,763599E+08
1750	4,676008E+08	2,331378E+08	1,168593E+08	1,168631E+08	2,331464E+08	4,676014E+08	7,763484E+08	1,076651E+09	1,269097E+09	1,269088E+09	1,076627E+09	7,763167E+08
1751	4,675703E+08	2,331293E+08	1,168645E+08	1,168674E+08	2,331364E+08	4,675753E+08	7,763081E+08	1,076595E+09	1,269033E+09	1,269048E+09	1,076625E+09	7,763413E+08
1752	4,676064E+08	2,331652E+08	1,168903E+08	1,168873E+08	2,331604E+08	4,676096E+08	7,763467E+08	1,076616E+09	1,269020E+09	1,269007E+09	1,076588E+09	7,763228E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1753	4,675980E+08	2,331609E+08	1,168949E+08	1,169012E+08	2,331770E+08	4,676135E+08	7,763392E+08	1,076613E+09	1,269026E+09	1,269005E+09	1,076568E+09	7,762992E+08
1754	4,675867E+08	2,331618E+08	1,168985E+08	1,168975E+08	2,331585E+08	4,675819E+08	7,762991E+08	1,076575E+09	1,269008E+09	1,269022E+09	1,076601E+09	7,763324E+08
1755	4,676187E+08	2,331873E+08	1,169125E+08	1,169095E+08	2,331828E+08	4,676234E+08	7,763458E+08	1,076610E+09	1,269023E+09	1,269012E+09	1,076581E+09	7,763061E+08
1756	4,675865E+08	2,331614E+08	1,169006E+08	1,169053E+08	2,331742E+08	4,676002E+08	7,763125E+08	1,076582E+09	1,269012E+09	1,269019E+09	1,076597E+09	7,763215E+08
1757	4,675982E+08	2,331671E+08	1,168991E+08	1,168946E+08	2,331563E+08	4,675844E+08	7,763069E+08	1,076584E+09	1,269015E+09	1,269028E+09	1,076616E+09	7,763494E+08
1758	4,676199E+08	2,331719E+08	1,168947E+08	1,168952E+08	2,331738E+08	4,676196E+08	7,763500E+08	1,076629E+09	1,269052E+09	1,269040E+09	1,076600E+09	7,763120E+08
1759	4,675775E+08	2,331394E+08	1,168731E+08	1,168735E+08	2,331389E+08	4,675768E+08	7,763162E+08	1,076611E+09	1,269052E+09	1,269058E+09	1,076626E+09	7,763367E+08
1760	4,675957E+08	2,331489E+08	1,168717E+08	1,168655E+08	2,331337E+08	4,675840E+08	7,763397E+08	1,076642E+09	1,269078E+09	1,269072E+09	1,076631E+09	7,763380E+08
1761	4,675898E+08	2,331348E+08	1,168600E+08	1,168634E+08	2,331432E+08	4,675939E+08	7,763445E+08	1,076659E+09	1,269112E+09	1,269100E+09	1,076630E+09	7,763124E+08
1762	4,675602E+08	2,331133E+08	1,168442E+08	1,168438E+08	2,331133E+08	4,675611E+08	7,763101E+08	1,076625E+09	1,269102E+09	1,269128E+09	1,076676E+09	7,763526E+08
1763	4,675886E+08	2,331303E+08	1,168503E+08	1,168471E+08	2,331276E+08	4,675986E+08	7,763659E+08	1,076671E+09	1,269112E+09	1,269107E+09	1,076653E+09	7,763368E+08
1764	4,675692E+08	2,331103E+08	1,168398E+08	1,168456E+08	2,331258E+08	4,675851E+08	7,763484E+08	1,076665E+09	1,269114E+09	1,269102E+09	1,076641E+09	7,763289E+08
1765	4,675711E+08	2,331166E+08	1,168442E+08	1,168419E+08	2,331100E+08	4,675590E+08	7,763191E+08	1,076641E+09	1,269100E+09	1,269103E+09	1,076657E+09	7,763571E+08
1766	4,676052E+08	2,331444E+08	1,168625E+08	1,168613E+08	2,331417E+08	4,676004E+08	7,763534E+08	1,076658E+09	1,269100E+09	1,269086E+09	1,076626E+09	7,763180E+08
1767	4,675721E+08	2,331301E+08	1,168642E+08	1,168676E+08	2,331371E+08	4,675770E+08	7,763155E+08	1,076610E+09	1,269052E+09	1,269058E+09	1,076621E+09	7,763273E+08
1768	4,675910E+08	2,331553E+08	1,168866E+08	1,168838E+08	2,331501E+08	4,675863E+08	7,763152E+08	1,076591E+09	1,269015E+09	1,269020E+09	1,076606E+09	7,763376E+08
1769	4,676117E+08	2,331719E+08	1,169019E+08	1,169066E+08	2,331856E+08	4,676224E+08	7,763366E+08	1,076596E+09	1,269004E+09	1,268988E+09	1,076560E+09	7,762943E+08
1770	4,675851E+08	2,331651E+08	1,169065E+08	1,169099E+08	2,331742E+08	4,675942E+08	7,762954E+08	1,076548E+09	1,268965E+09	1,268977E+09	1,076571E+09	7,763199E+08
1771	4,676195E+08	2,331992E+08	1,169302E+08	1,169261E+08	2,331923E+08	4,676219E+08	7,763306E+08	1,076572E+09	1,268959E+09	1,268945E+09	1,076543E+09	7,763072E+08
1772	4,676139E+08	2,331960E+08	1,169343E+08	1,169396E+08	2,332090E+08	4,676239E+08	7,763169E+08	1,076560E+09	1,268953E+09	1,268934E+09	1,076521E+09	7,762829E+08
1773	4,676016E+08	2,331976E+08	1,169399E+08	1,169380E+08	2,331919E+08	4,675916E+08	7,762734E+08	1,076517E+09	1,268932E+09	1,268948E+09	1,076559E+09	7,763258E+08
1774	4,676370E+08	2,332209E+08	1,169517E+08	1,169488E+08	2,332165E+08	4,676363E+08	7,763216E+08	1,076547E+09	1,268937E+09	1,268937E+09	1,076540E+09	7,763003E+08
1775	4,676069E+08	2,331957E+08	1,169386E+08	1,169426E+08	2,332052E+08	4,676158E+08	7,763050E+08	1,076538E+09	1,268929E+09	1,268932E+09	1,076539E+09	7,763015E+08
1776	4,676096E+08	2,331968E+08	1,169343E+08	1,169302E+08	2,331874E+08	4,675997E+08	7,762968E+08	1,076543E+09	1,268946E+09	1,268950E+09	1,076559E+09	7,763259E+08
1777	4,676285E+08	2,332006E+08	1,169286E+08	1,169285E+08	2,332011E+08	4,676287E+08	7,763311E+08	1,076583E+09	1,268985E+09	1,268968E+09	1,076544E+09	7,762884E+08
1778	4,675870E+08	2,331690E+08	1,169081E+08	1,169089E+08	2,331694E+08	4,675878E+08	7,762946E+08	1,076562E+09	1,268995E+09	1,269009E+09	1,076587E+09	7,763174E+08
1779	4,676026E+08	2,331751E+08	1,169051E+08	1,168995E+08	2,331643E+08	4,675984E+08	7,763239E+08	1,076595E+09	1,269015E+09	1,269016E+09	1,076597E+09	7,763280E+08
1780	4,676020E+08	2,331623E+08	1,168928E+08	1,168972E+08	2,331750E+08	4,676127E+08	7,763342E+08	1,076610E+09	1,269034E+09	1,269023E+09	1,076584E+09	7,763000E+08
1781	4,675743E+08	2,331434E+08	1,168795E+08	1,168793E+08	2,331436E+08	4,675759E+08	7,763014E+08	1,076587E+09	1,269031E+09	1,269049E+09	1,076627E+09	7,763444E+08
1782	4,676076E+08	2,331626E+08	1,168868E+08	1,168832E+08	2,331572E+08	4,676095E+08	7,763487E+08	1,076626E+09	1,269046E+09	1,269038E+09	1,076606E+09	7,763255E+08
1783	4,675901E+08	2,331476E+08	1,168800E+08	1,168838E+08	2,331554E+08	4,675954E+08	7,763341E+08	1,076621E+09	1,269042E+09	1,269026E+09	1,076584E+09	7,763043E+08
1784	4,675822E+08	2,331514E+08	1,168863E+08	1,168844E+08	2,331461E+08	4,675722E+08	7,762970E+08	1,076585E+09	1,269023E+09	1,269028E+09	1,076605E+09	7,763356E+08
1785	4,676164E+08	2,331795E+08	1,169051E+08	1,169046E+08	2,331794E+08	4,676145E+08	7,763256E+08	1,076589E+09	1,269006E+09	1,268997E+09	1,076569E+09	7,762997E+08
1786	4,675871E+08	2,331662E+08	1,169076E+08	1,169126E+08	2,331783E+08	4,675979E+08	7,762951E+08	1,076543E+09	1,268962E+09	1,268977E+09	1,076566E+09	7,763095E+08
1787	4,676057E+08	2,331898E+08	1,169279E+08	1,169255E+08	2,331871E+08	4,676065E+08	7,763057E+08	1,076541E+09	1,268929E+09	1,268931E+09	1,076547E+09	7,763216E+08
1788	4,676302E+08	2,332088E+08	1,169429E+08	1,169471E+08	2,332203E+08	4,676385E+08	7,763220E+08	1,076545E+09	1,268919E+09	1,268894E+09	1,076492E+09	7,762708E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,676017E+08	2,332046E+08	1,169508E+08	1,169527E+08	2,332080E+08	4,676048E+08	7,762749E+08	1,076499E+09	1,268892E+09	1,268897E+09	1,076514E+09	7,763024E+08
1790	4,676367E+08	2,332373E+08	1,169744E+08	1,169695E+08	2,332275E+08	4,676314E+08	7,763020E+08	1,076511E+09	1,268883E+09	1,268877E+09	1,076499E+09	7,762937E+08
1791	4,676317E+08	2,332344E+08	1,169782E+08	1,169828E+08	2,332451E+08	4,676397E+08	7,763006E+08	1,076505E+09	1,268870E+09	1,268856E+09	1,076470E+09	7,762639E+08
1792	4,676123E+08	2,332299E+08	1,169802E+08	1,169799E+08	2,332302E+08	4,676128E+08	7,762620E+08	1,076466E+09	1,268850E+09	1,268869E+09	1,076509E+09	7,763097E+08
1793	4,676489E+08	2,332508E+08	1,169876E+08	1,169852E+08	2,332480E+08	4,676507E+08	7,763078E+08	1,076499E+09	1,268859E+09	1,268854E+09	1,076485E+09	7,762845E+08
1794	4,676216E+08	2,332262E+08	1,169731E+08	1,169776E+08	2,332356E+08	4,676291E+08	7,762896E+08	1,076495E+09	1,268873E+09	1,268875E+09	1,076493E+09	7,762833E+08
1795	4,676205E+08	2,332246E+08	1,169664E+08	1,169616E+08	2,332133E+08	4,676101E+08	7,762834E+08	1,076504E+09	1,268890E+09	1,268895E+09	1,076520E+09	7,763113E+08
1796	4,676402E+08	2,332285E+08	1,169604E+08	1,169601E+08	2,332279E+08	4,676379E+08	7,763118E+08	1,076534E+09	1,268917E+09	1,268903E+09	1,076501E+09	7,762726E+08
1797	4,675982E+08	2,331985E+08	1,169428E+08	1,169437E+08	2,331996E+08	4,676003E+08	7,762769E+08	1,076513E+09	1,268926E+09	1,268941E+09	1,076547E+09	7,763097E+08
1798	4,676170E+08	2,332035E+08	1,169391E+08	1,169343E+08	2,331948E+08	4,676128E+08	7,763078E+08	1,076543E+09	1,268940E+09	1,268946E+09	1,076556E+09	7,763191E+08
1799	4,676198E+08	2,331943E+08	1,169284E+08	1,169321E+08	2,332036E+08	4,676282E+08	7,763316E+08	1,076574E+09	1,268961E+09	1,268941E+09	1,076525E+09	7,762788E+08
1800	4,675860E+08	2,331743E+08	1,169161E+08	1,169163E+08	2,331752E+08	4,675897E+08	7,762893E+08	1,076546E+09	1,268965E+09	1,268972E+09	1,076569E+09	7,763204E+08
1801	4,676187E+08	2,331953E+08	1,169246E+08	1,169202E+08	2,331861E+08	4,676155E+08	7,763227E+08	1,076571E+09	1,268971E+09	1,268962E+09	1,076551E+09	7,763039E+08
1802	4,676038E+08	2,331831E+08	1,169214E+08	1,169256E+08	2,331910E+08	4,676069E+08	7,763054E+08	1,076557E+09	1,268970E+09	1,268964E+09	1,076540E+09	7,762858E+08
1803	4,675940E+08	2,331852E+08	1,169272E+08	1,169261E+08	2,331832E+08	4,675896E+08	7,762767E+08	1,076522E+09	1,268936E+09	1,268951E+09	1,076559E+09	7,763230E+08
1804	4,676326E+08	2,332143E+08	1,169460E+08	1,169464E+08	2,332173E+08	4,676345E+08	7,763105E+08	1,076527E+09	1,268908E+09	1,268900E+09	1,076507E+09	7,762821E+08
1805	4,676047E+08	2,332040E+08	1,169510E+08	1,169562E+08	2,332163E+08	4,676166E+08	7,762836E+08	1,076495E+09	1,268877E+09	1,268880E+09	1,076504E+09	7,762936E+08
1806	4,676249E+08	2,332279E+08	1,169713E+08	1,169685E+08	2,332231E+08	4,676213E+08	7,762884E+08	1,076491E+09	1,268854E+09	1,268852E+09	1,076490E+09	7,763025E+08
1807	4,676491E+08	2,332496E+08	1,169881E+08	1,169906E+08	2,332548E+08	4,676530E+08	7,763108E+08	1,076499E+09	1,268843E+09	1,268814E+09	1,076433E+09	7,762450E+08
1808	4,676126E+08	2,332412E+08	1,169957E+08	1,169983E+08	2,332472E+08	4,676202E+08	7,762551E+08	1,076445E+09	1,268816E+09	1,268824E+09	1,076466E+09	7,762824E+08
1809	4,676478E+08	2,332716E+08	1,170162E+08	1,170123E+08	2,332645E+08	4,676458E+08	7,762771E+08	1,076445E+09	1,268795E+09	1,268798E+09	1,076451E+09	7,762806E+08
1810	4,676476E+08	2,332687E+08	1,170185E+08	1,170245E+08	2,332828E+08	4,676585E+08	7,762819E+08	1,076445E+09	1,268791E+09	1,268786E+09	1,076425E+09	7,762510E+08
1811	4,676267E+08	2,332605E+08	1,170158E+08	1,170157E+08	2,332617E+08	4,676294E+08	7,762527E+08	1,076422E+09	1,268776E+09	1,268791E+09	1,076460E+09	7,762970E+08
1812	4,676656E+08	2,332819E+08	1,170214E+08	1,170186E+08	2,332757E+08	4,676604E+08	7,762912E+08	1,076452E+09	1,268785E+09	1,268773E+09	1,076427E+09	7,762638E+08
1813	4,676356E+08	2,332590E+08	1,170093E+08	1,170125E+08	2,332635E+08	4,676366E+08	7,762701E+08	1,076450E+09	1,268806E+09	1,268803E+09	1,076444E+09	7,762677E+08
1814	4,676335E+08	2,332556E+08	1,170024E+08	1,169973E+08	2,332431E+08	4,676196E+08	7,762616E+08	1,076453E+09	1,268823E+09	1,268835E+09	1,076481E+09	7,762972E+08
1815	4,676532E+08	2,332601E+08	1,169968E+08	1,169959E+08	2,332583E+08	4,676545E+08	7,763043E+08	1,076488E+09	1,268842E+09	1,268830E+09	1,076453E+09	7,762528E+08
1816	4,676054E+08	2,332256E+08	1,169773E+08	1,169799E+08	2,332329E+08	4,676200E+08	7,762722E+08	1,076475E+09	1,268858E+09	1,268871E+09	1,076500E+09	7,762914E+08
1817	4,676262E+08	2,332303E+08	1,169713E+08	1,169672E+08	2,332229E+08	4,676252E+08	7,762961E+08	1,076503E+09	1,268875E+09	1,268876E+09	1,076506E+09	7,763031E+08
1818	4,676334E+08	2,332244E+08	1,169624E+08	1,169662E+08	2,332321E+08	4,676379E+08	7,763123E+08	1,076532E+09	1,268910E+09	1,268890E+09	1,076484E+09	7,762617E+08
1819	4,675975E+08	2,332041E+08	1,169506E+08	1,169503E+08	2,332029E+08	4,675986E+08	7,762711E+08	1,076500E+09	1,268902E+09	1,268914E+09	1,076530E+09	7,763084E+08
1820	4,676337E+08	2,332279E+08	1,169619E+08	1,169577E+08	2,332171E+08	4,676226E+08	7,762940E+08	1,076506E+09	1,268886E+09	1,268885E+09	1,076504E+09	7,762901E+08
1821	4,676198E+08	2,332192E+08	1,169631E+08	1,169677E+08	2,332279E+08	4,676223E+08	7,762824E+08	1,076491E+09	1,268874E+09	1,268874E+09	1,076490E+09	7,762770E+08
1822	4,676129E+08	2,332218E+08	1,169698E+08	1,169693E+08	2,332215E+08	4,676092E+08	7,762613E+08	1,076460E+09	1,268839E+09	1,268858E+09	1,076502E+09	7,763079E+08
1823	4,676526E+08	2,332540E+08	1,169899E+08	1,169894E+08	2,332534E+08	4,676550E+08	7,763074E+08	1,076481E+09	1,268817E+09	1,268798E+09	1,076434E+09	7,762536E+08
1824	4,676175E+08	2,332418E+08	1,169956E+08	1,170014E+08	2,332555E+08	4,676351E+08	7,762725E+08	1,076451E+09	1,268802E+09	1,268794E+09	1,076436E+09	7,762631E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,676361E+08	2,332650E+08	1,170150E+08	1,170122E+08	2,332589E+08	4,676325E+08	7,762648E+08	1,076434E+09	1,268777E+09	1,268774E+09	1,076434E+09	7,762789E+08
1826	4,676617E+08	2,332870E+08	1,170328E+08	1,170363E+08	2,332946E+08	4,676675E+08	7,762844E+08	1,076440E+09	1,268772E+09	1,268753E+09	1,076391E+09	7,762287E+08
1827	4,676247E+08	2,332751E+08	1,170370E+08	1,170406E+08	2,332852E+08	4,676395E+08	7,762397E+08	1,076387E+09	1,268733E+09	1,268751E+09	1,076425E+09	7,762745E+08
1828	4,676649E+08	2,333046E+08	1,170546E+08	1,170514E+08	2,332984E+08	4,676605E+08	7,762610E+08	1,076389E+09	1,268705E+09	1,268710E+09	1,076399E+09	7,762691E+08
1829	4,676665E+08	2,333041E+08	1,170572E+08	1,170625E+08	2,333151E+08	4,676722E+08	7,762679E+08	1,076398E+09	1,268712E+09	1,268702E+09	1,076374E+09	7,762411E+08
1830	4,676459E+08	2,332951E+08	1,170532E+08	1,170516E+08	2,332907E+08	4,676389E+08	7,762334E+08	1,076372E+09	1,268706E+09	1,268721E+09	1,076410E+09	7,762800E+08
1831	4,676816E+08	2,333169E+08	1,170593E+08	1,170542E+08	2,333030E+08	4,676706E+08	7,762793E+08	1,076409E+09	1,268715E+09	1,268700E+09	1,076373E+09	7,762395E+08
1832	4,676433E+08	2,332893E+08	1,170465E+08	1,170506E+08	2,332972E+08	4,676502E+08	7,762537E+08	1,076404E+09	1,268740E+09	1,268737E+09	1,076397E+09	7,762459E+08
1833	4,676399E+08	2,332826E+08	1,170360E+08	1,170322E+08	2,332742E+08	4,676332E+08	7,762438E+08	1,076400E+09	1,268749E+09	1,268766E+09	1,076437E+09	7,762825E+08
1834	4,676631E+08	2,332875E+08	1,170302E+08	1,170307E+08	2,332902E+08	4,676711E+08	7,762927E+08	1,076446E+09	1,268781E+09	1,268771E+09	1,076413E+09	7,762398E+08
1835	4,676162E+08	2,332517E+08	1,170081E+08	1,170109E+08	2,332598E+08	4,676334E+08	7,762652E+08	1,076440E+09	1,268798E+09	1,268806E+09	1,076458E+09	7,762795E+08
1836	4,676403E+08	2,332590E+08	1,170033E+08	1,169987E+08	2,332476E+08	4,676294E+08	7,762746E+08	1,076456E+09	1,268807E+09	1,268805E+09	1,076456E+09	7,762863E+08
1837	4,676481E+08	2,332582E+08	1,169998E+08	1,170023E+08	2,332609E+08	4,676439E+08	7,762867E+08	1,076476E+09	1,268834E+09	1,268818E+09	1,076441E+09	7,762508E+08
1838	4,676134E+08	2,332389E+08	1,169906E+08	1,169902E+08	2,332370E+08	4,676101E+08	7,762450E+08	1,076436E+09	1,268817E+09	1,268839E+09	1,076486E+09	7,762957E+08
1839	4,676506E+08	2,332649E+08	1,170042E+08	1,169996E+08	2,332539E+08	4,676432E+08	7,762845E+08	1,076449E+09	1,268790E+09	1,268790E+09	1,076443E+09	7,762695E+08
1840	4,676321E+08	2,332537E+08	1,170055E+08	1,170120E+08	2,332693E+08	4,676465E+08	7,762775E+08	1,076445E+09	1,268788E+09	1,268781E+09	1,076425E+09	7,762521E+08
1841	4,676251E+08	2,332561E+08	1,170104E+08	1,170108E+08	2,332580E+08	4,676270E+08	7,762506E+08	1,076415E+09	1,268762E+09	1,268771E+09	1,076438E+09	7,762835E+08
1842	4,676656E+08	2,332903E+08	1,170323E+08	1,170320E+08	2,332900E+08	4,676703E+08	7,762908E+08	1,076437E+09	1,268758E+09	1,268734E+09	1,076382E+09	7,762305E+08
1843	4,676286E+08	2,332763E+08	1,170368E+08	1,170424E+08	2,332902E+08	4,676485E+08	7,762562E+08	1,076404E+09	1,268736E+09	1,268730E+09	1,076393E+09	7,762486E+08
1844	4,676507E+08	2,333002E+08	1,170565E+08	1,170543E+08	2,332942E+08	4,676417E+08	7,762359E+08	1,076370E+09	1,268692E+09	1,268698E+09	1,076388E+09	7,762677E+08
1845	4,676796E+08	2,333248E+08	1,170762E+08	1,170796E+08	2,333322E+08	4,676824E+08	7,762602E+08	1,076372E+09	1,268675E+09	1,268666E+09	1,076348E+09	7,762255E+08
1846	4,676467E+08	2,333131E+08	1,170797E+08	1,170828E+08	2,333214E+08	4,676558E+08	7,762223E+08	1,076327E+09	1,268638E+09	1,268661E+09	1,076373E+09	7,762650E+08
1847	4,676876E+08	2,333441E+08	1,170966E+08	1,170912E+08	2,333305E+08	4,676750E+08	7,762503E+08	1,076338E+09	1,268615E+09	1,268611E+09	1,076330E+09	7,762442E+08
1848	4,676800E+08	2,333398E+08	1,170983E+08	1,171029E+08	2,333491E+08	4,676851E+08	7,762515E+08	1,076351E+09	1,268639E+09	1,268620E+09	1,076310E+09	7,762113E+08
1849	4,676552E+08	2,333281E+08	1,170914E+08	1,170895E+08	2,333222E+08	4,676487E+08	7,762115E+08	1,076320E+09	1,268635E+09	1,268651E+09	1,076358E+09	7,762557E+08
1850	4,676888E+08	2,333471E+08	1,170966E+08	1,170924E+08	2,333374E+08	4,676843E+08	7,762584E+08	1,076360E+09	1,268656E+09	1,268645E+09	1,076334E+09	7,762219E+08
1851	4,676494E+08	2,333146E+08	1,170791E+08	1,170844E+08	2,333292E+08	4,676696E+08	7,762479E+08	1,076365E+09	1,268677E+09	1,268677E+09	1,076362E+09	7,762366E+08
1852	4,676507E+08	2,333070E+08	1,170660E+08	1,170635E+08	2,333017E+08	4,676453E+08	7,762332E+08	1,076360E+09	1,268681E+09	1,268695E+09	1,076394E+09	7,762721E+08
1853	4,676772E+08	2,333155E+08	1,170618E+08	1,170618E+08	2,333164E+08	4,676812E+08	7,762800E+08	1,076408E+09	1,268718E+09	1,268705E+09	1,076375E+09	7,762342E+08
1854	4,676333E+08	2,332824E+08	1,170417E+08	1,170429E+08	2,332850E+08	4,676405E+08	7,762465E+08	1,076395E+09	1,268735E+09	1,268746E+09	1,076419E+09	7,762687E+08
1855	4,676572E+08	2,332930E+08	1,170402E+08	1,170335E+08	2,332743E+08	4,676370E+08	7,762562E+08	1,076404E+09	1,268731E+09	1,268731E+09	1,076407E+09	7,762674E+08
1856	4,676593E+08	2,332909E+08	1,170392E+08	1,170424E+08	2,332967E+08	4,676581E+08	7,762657E+08	1,076420E+09	1,268754E+09	1,268741E+09	1,076389E+09	7,762309E+08
1857	4,676252E+08	2,332712E+08	1,170293E+08	1,170302E+08	2,332737E+08	4,676282E+08	7,762274E+08	1,076375E+09	1,268726E+09	1,268751E+09	1,076429E+09	7,762770E+08
1858	4,676634E+08	2,332980E+08	1,170441E+08	1,170410E+08	2,332919E+08	4,676633E+08	7,762737E+08	1,076404E+09	1,268716E+09	1,268707E+09	1,076385E+09	7,762486E+08
1859	4,676443E+08	2,332861E+08	1,170439E+08	1,170509E+08	2,333042E+08	4,676652E+08	7,762719E+08	1,076409E+09	1,268719E+09	1,268700E+09	1,076366E+09	7,762315E+08
1860	4,676388E+08	2,332902E+08	1,170502E+08	1,170504E+08	2,332898E+08	4,676350E+08	7,762283E+08	1,076364E+09	1,268687E+09	1,268692E+09	1,076380E+09	7,762622E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,676803E+08	2,333284E+08	1,170765E+08	1,170751E+08	2,333256E+08	4,676805E+08	7,762644E+08	1,076377E+09	1,268675E+09	1,268659E+09	1,076340E+09	7,762211E+08
1862	4,676473E+08	2,333162E+08	1,170828E+08	1,170876E+08	2,333284E+08	4,676618E+08	7,762280E+08	1,076335E+09	1,268645E+09	1,268653E+09	1,076350E+09	7,762397E+08
1863	4,676715E+08	2,333412E+08	1,171028E+08	1,170992E+08	2,333325E+08	4,676605E+08	7,762200E+08	1,076305E+09	1,268591E+09	1,268601E+09	1,076330E+09	7,762517E+08
1864	4,676971E+08	2,333631E+08	1,171212E+08	1,171251E+08	2,333728E+08	4,677027E+08	7,762478E+08	1,076319E+09	1,268586E+09	1,268570E+09	1,076282E+09	7,762035E+08
1865	4,676632E+08	2,333497E+08	1,171208E+08	1,171238E+08	2,333565E+08	4,676704E+08	7,762054E+08	1,076275E+09	1,268557E+09	1,268572E+09	1,076309E+09	7,762413E+08
1866	4,677008E+08	2,333791E+08	1,171370E+08	1,171314E+08	2,333649E+08	4,676878E+08	7,762321E+08	1,076295E+09	1,268555E+09	1,268544E+09	1,076277E+09	7,762206E+08
1867	4,676884E+08	2,333699E+08	1,171349E+08	1,171397E+08	2,333813E+08	4,676992E+08	7,762380E+08	1,076310E+09	1,268576E+09	1,268558E+09	1,076268E+09	7,761944E+08
1868	4,676637E+08	2,333554E+08	1,171259E+08	1,171251E+08	2,333531E+08	4,676594E+08	7,761898E+08	1,076267E+09	1,268563E+09	1,268584E+09	1,076316E+09	7,762422E+08
1869	4,676992E+08	2,333750E+08	1,171308E+08	1,171272E+08	2,333693E+08	4,677012E+08	7,762454E+08	1,076310E+09	1,268578E+09	1,268576E+09	1,076300E+09	7,762187E+08
1870	4,676657E+08	2,333439E+08	1,171125E+08	1,171172E+08	2,333572E+08	4,676835E+08	7,762379E+08	1,076324E+09	1,268609E+09	1,268608E+09	1,076321E+09	7,762288E+08
1871	4,676689E+08	2,333386E+08	1,170997E+08	1,170950E+08	2,333265E+08	4,676556E+08	7,762234E+08	1,076322E+09	1,268614E+09	1,268618E+09	1,076338E+09	7,762531E+08
1872	4,676902E+08	2,333466E+08	1,170975E+08	1,170966E+08	2,333446E+08	4,676888E+08	7,762605E+08	1,076365E+09	1,268655E+09	1,268636E+09	1,076321E+09	7,762112E+08
1873	4,676446E+08	2,333136E+08	1,170776E+08	1,170787E+08	2,333148E+08	4,676484E+08	7,762213E+08	1,076339E+09	1,268661E+09	1,268676E+09	1,076370E+09	7,762496E+08
1874	4,676674E+08	2,333243E+08	1,170784E+08	1,170727E+08	2,333100E+08	4,676515E+08	7,762338E+08	1,076351E+09	1,268662E+09	1,268664E+09	1,076362E+09	7,762506E+08
1875	4,676685E+08	2,333193E+08	1,170750E+08	1,170796E+08	2,333321E+08	4,676801E+08	7,762598E+08	1,076376E+09	1,268679E+09	1,268665E+09	1,076341E+09	7,762171E+08
1876	4,676378E+08	2,333004E+08	1,170650E+08	1,170672E+08	2,333065E+08	4,676435E+08	7,762158E+08	1,076331E+09	1,268651E+09	1,268668E+09	1,076372E+09	7,762588E+08
1877	4,676775E+08	2,333310E+08	1,170825E+08	1,170790E+08	2,333246E+08	4,676773E+08	7,762589E+08	1,076359E+09	1,268642E+09	1,268631E+09	1,076336E+09	7,762356E+08
1878	4,676622E+08	2,333233E+08	1,170855E+08	1,170907E+08	2,333361E+08	4,676758E+08	7,762517E+08	1,076359E+09	1,268649E+09	1,268631E+09	1,076320E+09	7,762176E+08
1879	4,676575E+08	2,333302E+08	1,170950E+08	1,170931E+08	2,333239E+08	4,676461E+08	7,762055E+08	1,076303E+09	1,268600E+09	1,268608E+09	1,076327E+09	7,762445E+08
1880	4,676956E+08	2,333668E+08	1,171228E+08	1,171219E+08	2,333665E+08	4,676963E+08	7,762386E+08	1,076310E+09	1,268583E+09	1,268573E+09	1,076284E+09	7,762042E+08
1881	4,676651E+08	2,333547E+08	1,171277E+08	1,171333E+08	2,333691E+08	4,676813E+08	7,762079E+08	1,076266E+09	1,268542E+09	1,268556E+09	1,076291E+09	7,762241E+08
1882	4,676898E+08	2,333795E+08	1,171471E+08	1,171442E+08	2,333724E+08	4,676787E+08	7,762033E+08	1,076253E+09	1,268508E+09	1,268509E+09	1,076266E+09	7,762306E+08
1883	4,677114E+08	2,333978E+08	1,171616E+08	1,171653E+08	2,334080E+08	4,677202E+08	7,762373E+08	1,076277E+09	1,268512E+09	1,268486E+09	1,076219E+09	7,761804E+08
1884	4,676759E+08	2,333830E+08	1,171601E+08	1,171630E+08	2,333884E+08	4,676794E+08	7,761827E+08	1,076223E+09	1,268483E+09	1,268493E+09	1,076249E+09	7,762160E+08
1885	4,677110E+08	2,334119E+08	1,171763E+08	1,171707E+08	2,333988E+08	4,677005E+08	7,762107E+08	1,076241E+09	1,268478E+09	1,268476E+09	1,076236E+09	7,762078E+08
1886	4,677014E+08	2,334023E+08	1,171734E+08	1,171778E+08	2,334146E+08	4,677151E+08	7,762217E+08	1,076258E+09	1,268504E+09	1,268493E+09	1,076230E+09	7,761857E+08
1887	4,676790E+08	2,333870E+08	1,171623E+08	1,171607E+08	2,333838E+08	4,676777E+08	7,761834E+08	1,076223E+09	1,268487E+09	1,268507E+09	1,076268E+09	7,762285E+08
1888	4,677120E+08	2,334040E+08	1,171656E+08	1,171624E+08	2,333999E+08	4,677166E+08	7,762374E+08	1,076274E+09	1,268516E+09	1,268506E+09	1,076248E+09	7,762022E+08
1889	4,676806E+08	2,333736E+08	1,171452E+08	1,171493E+08	2,333833E+08	4,676925E+08	7,762213E+08	1,076283E+09	1,268549E+09	1,268545E+09	1,076273E+09	7,762117E+08
1890	4,676814E+08	2,333683E+08	1,171338E+08	1,171286E+08	2,333538E+08	4,676617E+08	7,762009E+08	1,076282E+09	1,268564E+09	1,268564E+09	1,076296E+09	7,762353E+08
1891	4,676993E+08	2,333739E+08	1,171305E+08	1,171299E+08	2,333730E+08	4,676984E+08	7,762414E+08	1,076319E+09	1,268594E+09	1,268578E+09	1,076282E+09	7,761978E+08
1892	4,676548E+08	2,333406E+08	1,171114E+08	1,171138E+08	2,333453E+08	4,676586E+08	7,761965E+08	1,076279E+09	1,268581E+09	1,268601E+09	1,076324E+09	7,762357E+08
1893	4,676800E+08	2,333540E+08	1,171145E+08	1,171098E+08	2,333443E+08	4,676710E+08	7,762211E+08	1,076295E+09	1,268572E+09	1,268582E+09	1,076318E+09	7,762426E+08
1894	4,676866E+08	2,333530E+08	1,171130E+08	1,171168E+08	2,333641E+08	4,676971E+08	7,762495E+08	1,076330E+09	1,268600E+09	1,268581E+09	1,076287E+09	7,762025E+08
1895	4,676563E+08	2,333370E+08	1,171053E+08	1,171055E+08	2,333375E+08	4,676576E+08	7,762028E+08	1,076285E+09	1,268573E+09	1,268581E+09	1,076306E+09	7,762335E+08
1896	4,676908E+08	2,333676E+08	1,171259E+08	1,171219E+08	2,333602E+08	4,676898E+08	7,762380E+08	1,076307E+09	1,268569E+09	1,268554E+09	1,076275E+09	7,762100E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,676763E+08	2,333609E+08	1,171296E+08	1,171350E+08	2,333735E+08	4,676883E+08	7,762240E+08	1,076294E+09	1,268564E+09	1,268552E+09	1,076268E+09	7,761985E+08
1898	4,676716E+08	2,333679E+08	1,171408E+08	1,171403E+08	2,333661E+08	4,676640E+08	7,761826E+08	1,076244E+09	1,268519E+09	1,268527E+09	1,076275E+09	7,762288E+08
1899	4,677098E+08	2,334015E+08	1,171653E+08	1,171659E+08	2,334065E+08	4,677192E+08	7,762295E+08	1,076259E+09	1,268496E+09	1,268484E+09	1,076229E+09	7,761898E+08
1900	4,676816E+08	2,333891E+08	1,171687E+08	1,171754E+08	2,334054E+08	4,676969E+08	7,761917E+08	1,076214E+09	1,268457E+09	1,268463E+09	1,076227E+09	7,762037E+08
1901	4,677062E+08	2,334159E+08	1,171884E+08	1,171850E+08	2,334078E+08	4,676952E+08	7,761874E+08	1,076200E+09	1,268426E+09	1,268429E+09	1,076215E+09	7,762145E+08
1902	4,677287E+08	2,334353E+08	1,172033E+08	1,172050E+08	2,334397E+08	4,677318E+08	7,762183E+08	1,076226E+09	1,268440E+09	1,268416E+09	1,076171E+09	7,761639E+08
1903	4,676917E+08	2,334196E+08	1,172014E+08	1,172027E+08	2,334212E+08	4,676925E+08	7,761631E+08	1,076169E+09	1,268405E+09	1,268416E+09	1,076197E+09	7,761966E+08
1904	4,677222E+08	2,334444E+08	1,172165E+08	1,172116E+08	2,334353E+08	4,677175E+08	7,761930E+08	1,076187E+09	1,268403E+09	1,268403E+09	1,076186E+09	7,761911E+08
1905	4,677157E+08	2,334337E+08	1,172102E+08	1,172153E+08	2,334477E+08	4,677320E+08	7,762092E+08	1,076208E+09	1,268426E+09	1,268418E+09	1,076183E+09	7,761728E+08
1906	4,676938E+08	2,334178E+08	1,171979E+08	1,171966E+08	2,334144E+08	4,676902E+08	7,761718E+08	1,076189E+09	1,268429E+09	1,268438E+09	1,076219E+09	7,762118E+08
1907	4,677236E+08	2,334315E+08	1,171975E+08	1,171939E+08	2,334255E+08	4,677265E+08	7,762252E+08	1,076240E+09	1,268462E+09	1,268445E+09	1,076203E+09	7,761855E+08
1908	4,676919E+08	2,334014E+08	1,171778E+08	1,171815E+08	2,334080E+08	4,676956E+08	7,761947E+08	1,076231E+09	1,268484E+09	1,268482E+09	1,076228E+09	7,761935E+08
1909	4,676921E+08	2,333975E+08	1,171682E+08	1,171633E+08	2,333840E+08	4,676722E+08	7,761751E+08	1,076219E+09	1,268484E+09	1,268501E+09	1,076263E+09	7,762262E+08
1910	4,677131E+08	2,334046E+08	1,171664E+08	1,171654E+08	2,334040E+08	4,677137E+08	7,762241E+08	1,076264E+09	1,268515E+09	1,268507E+09	1,076242E+09	7,761891E+08
1911	4,676713E+08	2,333726E+08	1,171478E+08	1,171499E+08	2,333777E+08	4,676790E+08	7,761900E+08	1,076232E+09	1,268497E+09	1,268513E+09	1,076265E+09	7,762167E+08
1912	4,676926E+08	2,333848E+08	1,171516E+08	1,171477E+08	2,333780E+08	4,676889E+08	7,762137E+08	1,076257E+09	1,268503E+09	1,268501E+09	1,076254E+09	7,762186E+08
1913	4,677009E+08	2,333863E+08	1,171508E+08	1,171544E+08	2,333955E+08	4,677109E+08	7,762360E+08	1,076286E+09	1,268533E+09	1,268509E+09	1,076232E+09	7,761807E+08
1914	4,676692E+08	2,333716E+08	1,171460E+08	1,171464E+08	2,333710E+08	4,676676E+08	7,761828E+08	1,076242E+09	1,268513E+09	1,268515E+09	1,076258E+09	7,762126E+08
1915	4,677010E+08	2,333999E+08	1,171658E+08	1,171627E+08	2,333953E+08	4,677036E+08	7,762180E+08	1,076254E+09	1,268497E+09	1,268486E+09	1,076231E+09	7,761958E+08
1916	4,676899E+08	2,333943E+08	1,171708E+08	1,171776E+08	2,334105E+08	4,677024E+08	7,761975E+08	1,076225E+09	1,268471E+09	1,268467E+09	1,076216E+09	7,761846E+08
1917	4,676891E+08	2,334042E+08	1,171834E+08	1,171838E+08	2,334056E+08	4,676849E+08	7,761658E+08	1,076178E+09	1,268416E+09	1,268436E+09	1,076226E+09	7,762195E+08
1918	4,677320E+08	2,334411E+08	1,172088E+08	1,172081E+08	2,334413E+08	4,677346E+08	7,762143E+08	1,076206E+09	1,268409E+09	1,268392E+09	1,076168E+09	7,761738E+08
1919	4,677031E+08	2,334303E+08	1,172131E+08	1,172176E+08	2,334396E+08	4,677110E+08	7,761736E+08	1,076159E+09	1,268370E+09	1,268367E+09	1,076156E+09	7,761759E+08
1920	4,677202E+08	2,334546E+08	1,172337E+08	1,172296E+08	2,334449E+08	4,677088E+08	7,761661E+08	1,076145E+09	1,268348E+09	1,268348E+09	1,076150E+09	7,761864E+08
1921	4,677416E+08	2,334725E+08	1,172468E+08	1,172486E+08	2,334771E+08	4,677469E+08	7,761958E+08	1,076165E+09	1,268358E+09	1,268341E+09	1,076122E+09	7,761449E+08
1922	4,677036E+08	2,334538E+08	1,172432E+08	1,172456E+08	2,334595E+08	4,677107E+08	7,761492E+08	1,076123E+09	1,268336E+09	1,268346E+09	1,076151E+09	7,761806E+08
1923	4,677324E+08	2,334728E+08	1,172522E+08	1,172489E+08	2,334691E+08	4,677377E+08	7,761893E+08	1,076152E+09	1,268339E+09	1,268335E+09	1,076142E+09	7,761786E+08
1924	4,677284E+08	2,334615E+08	1,172433E+08	1,172491E+08	2,334754E+08	4,677412E+08	7,761925E+08	1,076166E+09	1,268362E+09	1,268350E+09	1,076136E+09	7,761578E+08
1925	4,677076E+08	2,334474E+08	1,172310E+08	1,172292E+08	2,334419E+08	4,677007E+08	7,761541E+08	1,076140E+09	1,268362E+09	1,268381E+09	1,076185E+09	7,762025E+08
1926	4,677394E+08	2,334629E+08	1,172318E+08	1,172262E+08	2,334497E+08	4,677311E+08	7,762022E+08	1,076189E+09	1,268396E+09	1,268387E+09	1,076167E+09	7,761753E+08
1927	4,677068E+08	2,334328E+08	1,172128E+08	1,172155E+08	2,334365E+08	4,677058E+08	7,761716E+08	1,076172E+09	1,268402E+09	1,268406E+09	1,076180E+09	7,761772E+08
1928	4,677033E+08	2,334272E+08	1,172043E+08	1,172005E+08	2,334183E+08	4,676909E+08	7,761614E+08	1,076165E+09	1,268403E+09	1,268421E+09	1,076208E+09	7,762078E+08
1929	4,677269E+08	2,334350E+08	1,172016E+08	1,172015E+08	2,334363E+08	4,677325E+08	7,762159E+08	1,076216E+09	1,268434E+09	1,268424E+09	1,076187E+09	7,761710E+08
1930	4,676847E+08	2,334039E+08	1,171841E+08	1,171871E+08	2,334098E+08	4,676939E+08	7,761837E+08	1,076204E+09	1,268439E+09	1,268436E+09	1,076205E+09	7,761918E+08
1931	4,677014E+08	2,334136E+08	1,171866E+08	1,171834E+08	2,334081E+08	4,677021E+08	7,762039E+08	1,076224E+09	1,268448E+09	1,268436E+09	1,076202E+09	7,761949E+08
1932	4,677093E+08	2,334167E+08	1,171882E+08	1,171922E+08	2,334255E+08	4,677171E+08	7,762098E+08	1,076231E+09	1,268462E+09	1,268442E+09	1,076184E+09	7,761607E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1933	4,676807E+08	2,334052E+08	1,171866E+08	1,171878E+08	2,334078E+08	4,676827E+08	7,761582E+08	1,076174E+09	1,268425E+09	1,268447E+09	1,076223E+09	7,762047E+08
1934	4,677192E+08	2,334371E+08	1,172084E+08	1,172048E+08	2,334306E+08	4,677191E+08	7,761983E+08	1,076192E+09	1,268407E+09	1,268406E+09	1,076187E+09	7,761891E+08
1935	4,677121E+08	2,334338E+08	1,172143E+08	1,172203E+08	2,334477E+08	4,677216E+08	7,761828E+08	1,076165E+09	1,268374E+09	1,268368E+09	1,076152E+09	7,761672E+08
1936	4,677086E+08	2,334439E+08	1,172282E+08	1,172284E+08	2,334443E+08	4,677033E+08	7,761513E+08	1,076125E+09	1,268332E+09	1,268342E+09	1,076154E+09	7,761950E+08
1937	4,677507E+08	2,334811E+08	1,172531E+08	1,172516E+08	2,334772E+08	4,677487E+08	7,761954E+08	1,076151E+09	1,268327E+09	1,268308E+09	1,076107E+09	7,761501E+08
1938	4,677177E+08	2,334693E+08	1,172584E+08	1,172629E+08	2,334774E+08	4,677233E+08	7,761550E+08	1,076114E+09	1,268300E+09	1,268291E+09	1,076100E+09	7,761511E+08
1939	4,677287E+08	2,334871E+08	1,172747E+08	1,172722E+08	2,334827E+08	4,677262E+08	7,761500E+08	1,076095E+09	1,268276E+09	1,268279E+09	1,076104E+09	7,761685E+08
1940	4,677510E+08	2,335035E+08	1,172860E+08	1,172893E+08	2,335129E+08	4,677631E+08	7,761771E+08	1,076105E+09	1,268274E+09	1,268264E+09	1,076076E+09	7,761322E+08
1941	4,677183E+08	2,334858E+08	1,172808E+08	1,172841E+08	2,334944E+08	4,677297E+08	7,761375E+08	1,076068E+09	1,268251E+09	1,268273E+09	1,076113E+09	7,761732E+08
1942	4,677509E+08	2,335060E+08	1,172881E+08	1,172832E+08	2,334956E+08	4,677465E+08	7,761747E+08	1,076110E+09	1,268272E+09	1,268265E+09	1,076096E+09	7,761679E+08
1943	4,677472E+08	2,334958E+08	1,172792E+08	1,172826E+08	2,335018E+08	4,677487E+08	7,761707E+08	1,076114E+09	1,268289E+09	1,268274E+09	1,076082E+09	7,761374E+08
1944	4,677202E+08	2,334795E+08	1,172677E+08	1,172653E+08	2,334718E+08	4,677093E+08	7,761308E+08	1,076086E+09	1,268290E+09	1,268309E+09	1,076131E+09	7,761815E+08
1945	4,677512E+08	2,334937E+08	1,172677E+08	1,172625E+08	2,334811E+08	4,677431E+08	7,761813E+08	1,076131E+09	1,268316E+09	1,268315E+09	1,076123E+09	7,761602E+08
1946	4,677176E+08	2,334624E+08	1,172487E+08	1,172528E+08	2,334704E+08	4,677231E+08	7,761643E+08	1,076134E+09	1,268333E+09	1,268331E+09	1,076129E+09	7,761579E+08
1947	4,677105E+08	2,334521E+08	1,172361E+08	1,172344E+08	2,334500E+08	4,677113E+08	7,761628E+08	1,076137E+09	1,268344E+09	1,268352E+09	1,076157E+09	7,761875E+08
1948	4,677342E+08	2,334610E+08	1,172335E+08	1,172342E+08	2,334639E+08	4,677437E+08	7,762044E+08	1,076179E+09	1,268375E+09	1,268357E+09	1,076136E+09	7,761511E+08
1949	4,676959E+08	2,334335E+08	1,172183E+08	1,172211E+08	2,334391E+08	4,677057E+08	7,761679E+08	1,076157E+09	1,268377E+09	1,268384E+09	1,076172E+09	7,761794E+08
1950	4,677156E+08	2,334465E+08	1,172237E+08	1,172191E+08	2,334351E+08	4,677070E+08	7,761803E+08	1,076174E+09	1,268383E+09	1,268379E+09	1,076168E+09	7,761871E+08
1951	4,677269E+08	2,334525E+08	1,172282E+08	1,172315E+08	2,334589E+08	4,677279E+08	7,761813E+08	1,076163E+09	1,268372E+09	1,268361E+09	1,076137E+09	7,761490E+08
1952	4,676981E+08	2,334423E+08	1,172300E+08	1,172319E+08	2,334474E+08	4,677022E+08	7,761395E+08	1,076107E+09	1,268326E+09	1,268353E+09	1,076163E+09	7,761905E+08
1953	4,677406E+08	2,334767E+08	1,172526E+08	1,172491E+08	2,334689E+08	4,677370E+08	7,761825E+08	1,076130E+09	1,268307E+09	1,268306E+09	1,076125E+09	7,761719E+08
1954	4,677318E+08	2,334745E+08	1,172599E+08	1,172658E+08	2,334862E+08	4,677374E+08	7,761704E+08	1,076122E+09	1,268293E+09	1,268272E+09	1,076080E+09	7,761388E+08
1955	4,677210E+08	2,334809E+08	1,172720E+08	1,172727E+08	2,334824E+08	4,677205E+08	7,761382E+08	1,076080E+09	1,268259E+09	1,268261E+09	1,076090E+09	7,761648E+08
1956	4,677588E+08	2,335164E+08	1,172967E+08	1,172957E+08	2,335139E+08	4,677598E+08	7,761694E+08	1,076088E+09	1,268243E+09	1,268228E+09	1,076051E+09	7,761260E+08
1957	4,677284E+08	2,335045E+08	1,173015E+08	1,173074E+08	2,335185E+08	4,677438E+08	7,761365E+08	1,076049E+09	1,268213E+09	1,268221E+09	1,076061E+09	7,761398E+08
1958	4,677439E+08	2,335220E+08	1,173157E+08	1,173132E+08	2,335179E+08	4,677437E+08	7,761382E+08	1,076044E+09	1,268197E+09	1,268204E+09	1,076062E+09	7,761611E+08
1959	4,677694E+08	2,335379E+08	1,173246E+08	1,173273E+08	2,335459E+08	4,677790E+08	7,761638E+08	1,076057E+09	1,268193E+09	1,268180E+09	1,076022E+09	7,761183E+08
1960	4,677357E+08	2,335203E+08	1,173192E+08	1,173216E+08	2,335261E+08	4,677435E+08	7,761244E+08	1,076024E+09	1,268182E+09	1,268197E+09	1,076056E+09	7,761560E+08
1961	4,677682E+08	2,335402E+08	1,173251E+08	1,173186E+08	2,335231E+08	4,677527E+08	7,761527E+08	1,076058E+09	1,268202E+09	1,268198E+09	1,076051E+09	7,761517E+08
1962	4,677606E+08	2,335284E+08	1,173164E+08	1,173192E+08	2,335313E+08	4,677549E+08	7,761503E+08	1,076072E+09	1,268226E+09	1,268208E+09	1,076034E+09	7,761174E+08
1963	4,677272E+08	2,335062E+08	1,173013E+08	1,173005E+08	2,335042E+08	4,677250E+08	7,761164E+08	1,076040E+09	1,268222E+09	1,268243E+09	1,076087E+09	7,761632E+08
1964	4,677568E+08	2,335185E+08	1,172999E+08	1,172963E+08	2,335116E+08	4,677578E+08	7,761674E+08	1,076080E+09	1,268238E+09	1,268240E+09	1,076076E+09	7,761450E+08
1965	4,677285E+08	2,334893E+08	1,172808E+08	1,172860E+08	2,335019E+08	4,677421E+08	7,761593E+08	1,076092E+09	1,268262E+09	1,268264E+09	1,076089E+09	7,761459E+08
1966	4,677245E+08	2,334816E+08	1,172688E+08	1,172657E+08	2,334746E+08	4,677200E+08	7,761523E+08	1,076105E+09	1,268289E+09	1,268290E+09	1,076114E+09	7,761738E+08
1967	4,677485E+08	2,334928E+08	1,172686E+08	1,172675E+08	2,334907E+08	4,677506E+08	7,761818E+08	1,076129E+09	1,268307E+09	1,268290E+09	1,076088E+09	7,761328E+08
1968	4,677090E+08	2,334676E+08	1,172577E+08	1,172598E+08	2,334719E+08	4,677161E+08	7,761436E+08	1,076099E+09	1,268301E+09	1,268312E+09	1,076123E+09	7,761640E+08

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°
1969	4,677315E+08	2,334818E+08	1,172648E+08	1,172603E+08	2,334705E+08	4,677195E+08	7,761551E+08	1,076108E+09	1,268294E+09	1,268301E+09	1,076124E+09	7,761772E+08
1970	4,677445E+08	2,334892E+08	1,172713E+08	1,172751E+08	2,334972E+08	4,677456E+08	7,761698E+08	1,076115E+09	1,268286E+09	1,268270E+09	1,076079E+09	7,761316E+08
1971	4,677123E+08	2,334762E+08	1,172709E+08	1,172745E+08	2,334863E+08	4,677239E+08	7,761335E+08	1,076065E+09	1,268246E+09	1,268262E+09	1,076099E+09	7,761674E+08
1972	4,677528E+08	2,335115E+08	1,172941E+08	1,172908E+08	2,335045E+08	4,677513E+08	7,761653E+08	1,076078E+09	1,268225E+09	1,268218E+09	1,076061E+09	7,761481E+08
1973	4,677459E+08	2,335115E+08	1,173028E+08	1,173087E+08	2,335241E+08	4,677542E+08	7,761525E+08	1,076064E+09	1,268211E+09	1,268198E+09	1,076032E+09	7,761191E+08
1974	4,677348E+08	2,335181E+08	1,173151E+08	1,173147E+08	2,335164E+08	4,677310E+08	7,761164E+08	1,076026E+09	1,268184E+09	1,268189E+09	1,076045E+09	7,761502E+08
1975	4,677735E+08	2,335530E+08	1,173395E+08	1,173383E+08	2,335520E+08	4,677760E+08	7,761450E+08	1,076022E+09	1,268152E+09	1,268143E+09	1,075999E+09	7,761118E+08
1976	4,677452E+08	2,335415E+08	1,173449E+08	1,173509E+08	2,335575E+08	4,677641E+08	7,761223E+08	1,075992E+09	1,268123E+09	1,268130E+09	1,076004E+09	7,761269E+08
1977	4,677644E+08	2,335591E+08	1,173572E+08	1,173541E+08	2,335519E+08	4,677574E+08	7,761231E+08	1,075994E+09	1,268114E+09	1,268118E+09	1,076008E+09	7,761480E+08
1978	4,677885E+08	2,335750E+08	1,173656E+08	1,173670E+08	2,335774E+08	4,677880E+08	7,761491E+08	1,076019E+09	1,268125E+09	1,268098E+09	1,075962E+09	7,760953E+08
1979	4,677471E+08	2,335525E+08	1,173571E+08	1,173594E+08	2,335577E+08	4,677547E+08	7,761071E+08	1,075980E+09	1,268117E+09	1,268128E+09	1,076003E+09	7,761310E+08
1980	4,677744E+08	2,335695E+08	1,173615E+08	1,173553E+08	2,335538E+08	4,677603E+08	7,761249E+08	1,075998E+09	1,268125E+09	1,268128E+09	1,076005E+09	7,761336E+08
1981	4,677695E+08	2,335570E+08	1,173515E+08	1,173555E+08	2,335660E+08	4,677734E+08	7,761337E+08	1,076013E+09	1,268148E+09	1,268146E+09	1,076000E+09	7,761070E+08
1982	4,677391E+08	2,335341E+08	1,173344E+08	1,173334E+08	2,335333E+08	4,677410E+08	7,761102E+08	1,076003E+09	1,268158E+09	1,268177E+09	1,076047E+09	7,761537E+08
1983	4,677703E+08	2,335463E+08	1,173316E+08	1,173279E+08	2,335402E+08	4,677722E+08	7,761570E+08	1,076042E+09	1,268172E+09	1,268166E+09	1,076025E+09	7,761296E+08
1984	4,677425E+08	2,335196E+08	1,173148E+08	1,173192E+08	2,335304E+08	4,677554E+08	7,761494E+08	1,076057E+09	1,268205E+09	1,268197E+09	1,076038E+09	7,761298E+08
1985	4,677393E+08	2,335131E+08	1,173044E+08	1,173001E+08	2,335016E+08	4,677265E+08	7,761323E+08	1,076059E+09	1,268226E+09	1,268231E+09	1,076075E+09	7,761613E+08
1986	4,677623E+08	2,335253E+08	1,173068E+08	1,173052E+08	2,335210E+08	4,677575E+08	7,761613E+08	1,076084E+09	1,268238E+09	1,268221E+09	1,076043E+09	7,761174E+08
1987	4,677198E+08	2,334980E+08	1,172957E+08	1,172996E+08	2,335086E+08	4,677345E+08	7,761275E+08	1,076045E+09	1,268221E+09	1,268236E+09	1,076075E+09	7,761481E+08
1988	4,677425E+08	2,335133E+08	1,173037E+08	1,173004E+08	2,335063E+08	4,677353E+08	7,761350E+08	1,076044E+09	1,268198E+09	1,268209E+09	1,076067E+09	7,761618E+08
1989	4,677612E+08	2,335241E+08	1,173115E+08	1,173161E+08	2,335347E+08	4,677656E+08	7,761575E+08	1,076060E+09	1,268199E+09	1,268184E+09	1,076023E+09	7,761147E+08
1990	4,677303E+08	2,335137E+08	1,173125E+08	1,173146E+08	2,335190E+08	4,677361E+08	7,761185E+08	1,076021E+09	1,268174E+09	1,268179E+09	1,076038E+09	7,761455E+08
1991	4,677678E+08	2,335492E+08	1,173369E+08	1,173326E+08	2,335396E+08	4,677619E+08	7,761388E+08	1,076017E+09	1,268140E+09	1,268132E+09	1,075998E+09	7,761230E+08
1992	4,677596E+08	2,335506E+08	1,173487E+08	1,173542E+08	2,335638E+08	4,677710E+08	7,761311E+08	1,076003E+09	1,268125E+09	1,268113E+09	1,075973E+09	7,761003E+08
1993	4,677508E+08	2,335566E+08	1,173609E+08	1,173604E+08	2,335559E+08	4,677483E+08	7,760962E+08	1,075963E+09	1,268093E+09	1,268107E+09	1,075997E+09	7,761384E+08
1994	4,677907E+08	2,335905E+08	1,173842E+08	1,173830E+08	2,335904E+08	4,677942E+08	7,761364E+08	1,075979E+09	1,268071E+09	1,268056E+09	1,075942E+09	7,760951E+08
1995	4,677604E+08	2,335760E+08	1,173859E+08	1,173928E+08	2,335948E+08	4,677837E+08	7,761138E+08	1,075952E+09	1,268054E+09	1,268052E+09	1,075948E+09	7,761063E+08
1996	4,677766E+08	2,335923E+08	1,173960E+08	1,173924E+08	2,335833E+08	4,677664E+08	7,761000E+08	1,075941E+09	1,268041E+09	1,268046E+09	1,075957E+09	7,761297E+08
1997	4,678024E+08	2,336082E+08	1,174037E+08	1,174046E+08	2,336093E+08	4,677990E+08	7,761269E+08	1,075962E+09	1,268054E+09	1,268040E+09	1,075924E+09	7,760819E+08
1998	4,677604E+08	2,335842E+08	1,173936E+08	1,173949E+08	2,335865E+08	4,677626E+08	7,760849E+08	1,075930E+09	1,268049E+09	1,268064E+09	1,075965E+09	7,761202E+08
1999	4,677869E+08	2,335987E+08	1,173960E+08	1,173902E+08	2,335862E+08	4,677751E+08	7,761033E+08	1,075937E+09	1,268040E+09	1,268050E+09	1,075958E+09	7,761209E+08
2000	4,677838E+08	2,335872E+08	1,173866E+08	1,173907E+08	2,335987E+08	4,677940E+08	7,761273E+08	1,075968E+09	1,268069E+09	1,268062E+09	1,075946E+09	7,760941E+08
2001	4,677553E+08	2,335643E+08	1,173685E+08	1,173670E+08	2,335614E+08	4,677541E+08	7,761016E+08	1,075967E+09	1,268093E+09	1,268106E+09	1,075998E+09	7,761391E+08
2002	4,677844E+08	2,335769E+08	1,173666E+08	1,173618E+08	2,335668E+08	4,677809E+08	7,761475E+08	1,076015E+09	1,268119E+09	1,268099E+09	1,075971E+09	7,761068E+08
2003	4,677513E+08	2,335481E+08	1,173495E+08	1,173540E+08	2,335596E+08	4,677658E+08	7,761327E+08	1,076017E+09	1,268149E+09	1,268138E+09	1,075991E+09	7,761070E+08
2004	4,677449E+08	2,335411E+08	1,173400E+08	1,173363E+08	2,335321E+08	4,677343E+08	7,761042E+08	1,075999E+09	1,268149E+09	1,268163E+09	1,076033E+09	7,761480E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2005	4,677744E+08	2,335556E+08	1,173438E+08	1,173434E+08	2,335562E+08	4,677750E+08	7,761420E+08	1,076022E+09	1,268155E+09	1,268152E+09	1,076004E+09	7,761086E+08
2006	4,677359E+08	2,335299E+08	1,173328E+08	1,173366E+08	2,335403E+08	4,677500E+08	7,761166E+08	1,076000E+09	1,268144E+09	1,268156E+09	1,076025E+09	7,761364E+08
2007	4,677602E+08	2,335473E+08	1,173418E+08	1,173384E+08	2,335403E+08	4,677505E+08	7,761174E+08	1,075991E+09	1,268115E+09	1,268118E+09	1,076004E+09	7,761426E+08
2008	4,677795E+08	2,335622E+08	1,173535E+08	1,173566E+08	2,335694E+08	4,677814E+08	7,761414E+08	1,076010E+09	1,268120E+09	1,268096E+09	1,075959E+09	7,760936E+08
2009	4,677477E+08	2,335526E+08	1,173569E+08	1,173578E+08	2,335536E+08	4,677463E+08	7,760952E+08	1,075966E+09	1,268096E+09	1,268103E+09	1,075986E+09	7,761266E+08
2010	4,677823E+08	2,335871E+08	1,173827E+08	1,173783E+08	2,335775E+08	4,677749E+08	7,761187E+08	1,075965E+09	1,268059E+09	1,268048E+09	1,075941E+09	7,761017E+08
2011	4,677712E+08	2,335858E+08	1,173932E+08	1,174004E+08	2,336062E+08	4,677940E+08	7,761168E+08	1,075947E+09	1,268041E+09	1,268030E+09	1,075919E+09	7,760805E+08
2012	4,677625E+08	2,335913E+08	1,174038E+08	1,174044E+08	2,335945E+08	4,677665E+08	7,760793E+08	1,075903E+09	1,267999E+09	1,268016E+09	1,075941E+09	7,761241E+08
2013	4,678088E+08	2,336269E+08	1,174260E+08	1,174252E+08	2,336272E+08	4,678119E+08	7,761211E+08	1,075925E+09	1,267992E+09	1,267979E+09	1,075891E+09	7,760808E+08
2014	4,677793E+08	2,336130E+08	1,174266E+08	1,174318E+08	2,336255E+08	4,677929E+08	7,760946E+08	1,075906E+09	1,267986E+09	1,267981E+09	1,075896E+09	7,760896E+08
2015	4,677927E+08	2,336276E+08	1,174356E+08	1,174312E+08	2,336161E+08	4,677748E+08	7,760688E+08	1,075876E+09	1,267958E+09	1,267967E+09	1,075903E+09	7,761106E+08
2016	4,678165E+08	2,336429E+08	1,174438E+08	1,174443E+08	2,336443E+08	4,678148E+08	7,761059E+08	1,075902E+09	1,267970E+09	1,267958E+09	1,075873E+09	7,760679E+08
2017	4,677752E+08	2,336166E+08	1,174320E+08	1,174336E+08	2,336204E+08	4,677798E+08	7,760716E+08	1,075878E+09	1,267970E+09	1,267989E+09	1,075919E+09	7,761078E+08
2018	4,678002E+08	2,336283E+08	1,174318E+08	1,174264E+08	2,336173E+08	4,677926E+08	7,761030E+08	1,075908E+09	1,267974E+09	1,267971E+09	1,075902E+09	7,761010E+08
2019	4,677941E+08	2,336147E+08	1,174198E+08	1,174248E+08	2,336294E+08	4,678128E+08	7,761259E+08	1,075943E+09	1,268020E+09	1,268000E+09	1,075895E+09	7,760711E+08
2020	4,677623E+08	2,335911E+08	1,174005E+08	1,173987E+08	2,335868E+08	4,677618E+08	7,760837E+08	1,075925E+09	1,268036E+09	1,268048E+09	1,075955E+09	7,761216E+08
2021	4,677943E+08	2,336043E+08	1,173993E+08	1,173944E+08	2,335936E+08	4,677887E+08	7,761251E+08	1,075965E+09	1,268063E+09	1,268054E+09	1,075940E+09	7,760962E+08
2022	4,677640E+08	2,335768E+08	1,173829E+08	1,173869E+08	2,335861E+08	4,677726E+08	7,761092E+08	1,075967E+09	1,268086E+09	1,268082E+09	1,075958E+09	7,760998E+08
2023	4,677595E+08	2,335702E+08	1,173741E+08	1,173714E+08	2,335642E+08	4,677468E+08	7,760772E+08	1,075931E+09	1,268058E+09	1,268081E+09	1,075985E+09	7,761380E+08
2024	4,677929E+08	2,335895E+08	1,173818E+08	1,173810E+08	2,335895E+08	4,677930E+08	7,761300E+08	1,075969E+09	1,268065E+09	1,268057E+09	1,075945E+09	7,760963E+08
2025	4,677566E+08	2,335666E+08	1,173735E+08	1,173763E+08	2,335728E+08	4,677632E+08	7,761016E+08	1,075951E+09	1,268064E+09	1,268068E+09	1,075963E+09	7,761164E+08
2026	4,677771E+08	2,335850E+08	1,173849E+08	1,173802E+08	2,335736E+08	4,677629E+08	7,761040E+08	1,075948E+09	1,268040E+09	1,268032E+09	1,075935E+09	7,761118E+08
2027	4,677898E+08	2,335983E+08	1,173974E+08	1,174012E+08	2,336083E+08	4,677994E+08	7,761244E+08	1,075958E+09	1,268046E+09	1,268020E+09	1,075899E+09	7,760641E+08
2028	4,677544E+08	2,335871E+08	1,174007E+08	1,174028E+08	2,335931E+08	4,677624E+08	7,760705E+08	1,075900E+09	1,268008E+09	1,268023E+09	1,075935E+09	7,761086E+08
2029	4,677949E+08	2,336216E+08	1,174257E+08	1,174232E+08	2,336188E+08	4,677978E+08	7,761033E+08	1,075905E+09	1,267976E+09	1,267975E+09	1,075897E+09	7,760908E+08
2030	4,677891E+08	2,336215E+08	1,174347E+08	1,174422E+08	2,336418E+08	4,678112E+08	7,761065E+08	1,075904E+09	1,267967E+09	1,267953E+09	1,075870E+09	7,760698E+08
2031	4,677821E+08	2,336274E+08	1,174443E+08	1,174449E+08	2,336299E+08	4,677802E+08	7,760576E+08	1,075846E+09	1,267917E+09	1,267932E+09	1,075884E+09	7,761087E+08
2032	4,678293E+08	2,336600E+08	1,174685E+08	1,174657E+08	2,336602E+08	4,678247E+08	7,761019E+08	1,075871E+09	1,267911E+09	1,267895E+09	1,075836E+09	7,760658E+08
2033	4,677985E+08	2,336513E+08	1,174692E+08	1,174730E+08	2,336578E+08	4,678009E+08	7,760690E+08	1,075847E+09	1,267906E+09	1,267906E+09	1,075849E+09	7,760747E+08
2034	4,678081E+08	2,336630E+08	1,174769E+08	1,174722E+08	2,336507E+08	4,677887E+08	7,760514E+08	1,075822E+09	1,267876E+09	1,267885E+09	1,075847E+09	7,760899E+08
2035	4,678271E+08	2,336739E+08	1,174819E+08	1,174838E+08	2,336810E+08	4,678371E+08	7,760965E+08	1,075853E+09	1,267891E+09	1,267879E+09	1,075819E+09	7,760458E+08
2036	4,677834E+08	2,336450E+08	1,174669E+08	1,174693E+08	2,336519E+08	4,677962E+08	7,760620E+08	1,075834E+09	1,267895E+09	1,267910E+09	1,075866E+09	7,760904E+08
2037	4,678119E+08	2,336563E+08	1,174648E+08	1,174599E+08	2,336463E+08	4,678065E+08	7,760923E+08	1,075872E+09	1,267921E+09	1,267914E+09	1,075856E+09	7,760834E+08
2038	4,678057E+08	2,336430E+08	1,174519E+08	1,174555E+08	2,336523E+08	4,678174E+08	7,761092E+08	1,075909E+09	1,267973E+09	1,267950E+09	1,075856E+09	7,760554E+08
2039	4,677733E+08	2,336191E+08	1,174329E+08	1,174311E+08	2,336139E+08	4,677667E+08	7,760539E+08	1,075866E+09	1,267966E+09	1,267987E+09	1,075916E+09	7,761085E+08
2040	4,678079E+08	2,336354E+08	1,174348E+08	1,174294E+08	2,336235E+08	4,678005E+08	7,761025E+08	1,075905E+09	1,267981E+09	1,267980E+09	1,075900E+09	7,760895E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2041	4,677813E+08	2,336092E+08	1,174201E+08	1,174240E+08	2,336176E+08	4,677864E+08	7,760921E+08	1,075911E+09	1,268003E+09	1,268004E+09	1,075914E+09	7,760907E+08
2042	4,677772E+08	2,336033E+08	1,174121E+08	1,174096E+08	2,335969E+08	4,677642E+08	7,760716E+08	1,075889E+09	1,267979E+09	1,267992E+09	1,075922E+09	7,761161E+08
2043	4,678064E+08	2,336224E+08	1,174204E+08	1,174204E+08	2,336246E+08	4,678127E+08	7,761227E+08	1,075929E+09	1,267998E+09	1,267978E+09	1,075883E+09	7,760677E+08
2044	4,677654E+08	2,335996E+08	1,174129E+08	1,174160E+08	2,336063E+08	4,677765E+08	7,760843E+08	1,075901E+09	1,267990E+09	1,267992E+09	1,075907E+09	7,760924E+08
2045	4,677872E+08	2,336180E+08	1,174255E+08	1,174220E+08	2,336098E+08	4,677778E+08	7,760835E+08	1,075894E+09	1,267972E+09	1,267970E+09	1,075890E+09	7,760929E+08
2046	4,678013E+08	2,336319E+08	1,174383E+08	1,174426E+08	2,336439E+08	4,678144E+08	7,761056E+08	1,075904E+09	1,267972E+09	1,267951E+09	1,075857E+09	7,760521E+08
2047	4,677699E+08	2,336214E+08	1,174416E+08	1,174454E+08	2,336322E+08	4,677806E+08	7,760486E+08	1,075832E+09	1,267911E+09	1,267934E+09	1,075882E+09	7,760974E+08
2048	4,678161E+08	2,336603E+08	1,174688E+08	1,174658E+08	2,336554E+08	4,678165E+08	7,760911E+08	1,075851E+09	1,267883E+09	1,267877E+09	1,075838E+09	7,760807E+08
2049	4,678135E+08	2,336631E+08	1,174797E+08	1,174855E+08	2,336760E+08	4,678221E+08	7,760863E+08	1,075850E+09	1,267886E+09	1,267867E+09	1,075811E+09	7,760535E+08
2050	4,678030E+08	2,336687E+08	1,174897E+08	1,174886E+08	2,336639E+08	4,677906E+08	7,760376E+08	1,075792E+09	1,267834E+09	1,267844E+09	1,075818E+09	7,760818E+08
2051	4,678422E+08	2,337037E+08	1,175130E+08	1,175104E+08	2,336984E+08	4,678402E+08	7,760806E+08	1,075812E+09	1,267830E+09	1,267816E+09	1,075778E+09	7,760384E+08
2052	4,678063E+08	2,336852E+08	1,175109E+08	1,175155E+08	2,336955E+08	4,678174E+08	7,760468E+08	1,075782E+09	1,267815E+09	1,267823E+09	1,075796E+09	7,760553E+08
2053	4,678182E+08	2,336934E+08	1,175147E+08	1,175118E+08	2,336872E+08	4,678101E+08	7,760412E+08	1,075774E+09	1,267804E+09	1,267817E+09	1,075800E+09	7,760734E+08
2054	4,678388E+08	2,337029E+08	1,175159E+08	1,175179E+08	2,337104E+08	4,678529E+08	7,760928E+08	1,075824E+09	1,267837E+09	1,267817E+09	1,075775E+09	7,760324E+08
2055	4,677966E+08	2,336729E+08	1,174984E+08	1,175011E+08	2,336795E+08	4,678059E+08	7,760447E+08	1,075791E+09	1,267835E+09	1,267848E+09	1,075822E+09	7,760756E+08
2056	4,678261E+08	2,336866E+08	1,174979E+08	1,174915E+08	2,336709E+08	4,678141E+08	7,760763E+08	1,075830E+09	1,267860E+09	1,267854E+09	1,075819E+09	7,760748E+08
2057	4,678210E+08	2,336743E+08	1,174870E+08	1,174893E+08	2,336777E+08	4,678201E+08	7,760828E+08	1,075857E+09	1,267908E+09	1,267894E+09	1,075825E+09	7,760478E+08
2058	4,677878E+08	2,336497E+08	1,174686E+08	1,174666E+08	2,336437E+08	4,677786E+08	7,760359E+08	1,075810E+09	1,267885E+09	1,267912E+09	1,075868E+09	7,760932E+08
2059	4,678199E+08	2,336650E+08	1,174707E+08	1,174667E+08	2,336577E+08	4,678204E+08	7,760923E+08	1,075853E+09	1,267898E+09	1,267899E+09	1,075847E+09	7,760695E+08
2060	4,677920E+08	2,336393E+08	1,174555E+08	1,174603E+08	2,336497E+08	4,678026E+08	7,760811E+08	1,075863E+09	1,267919E+09	1,267916E+09	1,075855E+09	7,760709E+08
2061	4,677902E+08	2,336346E+08	1,174485E+08	1,174468E+08	2,336297E+08	4,677800E+08	7,760596E+08	1,075849E+09	1,267918E+09	1,267923E+09	1,075865E+09	7,760914E+08
2062	4,678173E+08	2,336546E+08	1,174578E+08	1,174572E+08	2,336544E+08	4,678230E+08	7,761076E+08	1,075889E+09	1,267938E+09	1,267914E+09	1,075833E+09	7,760462E+08
2063	4,677760E+08	2,336316E+08	1,174514E+08	1,174558E+08	2,336415E+08	4,677879E+08	7,760578E+08	1,075839E+09	1,267909E+09	1,267918E+09	1,075859E+09	7,760748E+08
2064	4,678008E+08	2,336532E+08	1,174671E+08	1,174640E+08	2,336467E+08	4,677958E+08	7,760667E+08	1,075835E+09	1,267882E+09	1,267886E+09	1,075844E+09	7,760846E+08
2065	4,678199E+08	2,336694E+08	1,174819E+08	1,174860E+08	2,336803E+08	4,678301E+08	7,760897E+08	1,075848E+09	1,267885E+09	1,267869E+09	1,075809E+09	7,760436E+08
2066	4,677919E+08	2,336612E+08	1,174862E+08	1,174894E+08	2,336691E+08	4,677986E+08	7,760392E+08	1,075783E+09	1,267825E+09	1,267841E+09	1,075818E+09	7,760776E+08
2067	4,678351E+08	2,337006E+08	1,175139E+08	1,175104E+08	2,336930E+08	4,678324E+08	7,760741E+08	1,075798E+09	1,267805E+09	1,267794E+09	1,075775E+09	7,760541E+08
2068	4,678273E+08	2,337022E+08	1,175241E+08	1,175291E+08	2,337116E+08	4,678327E+08	7,760604E+08	1,075787E+09	1,267799E+09	1,267784E+09	1,075755E+09	7,760324E+08
2069	4,678168E+08	2,337055E+08	1,175332E+08	1,175328E+08	2,337022E+08	4,678047E+08	7,760119E+08	1,075731E+09	1,267757E+09	1,267772E+09	1,075768E+09	7,760617E+08
2070	4,678532E+08	2,337367E+08	1,175529E+08	1,175510E+08	2,337339E+08	4,678557E+08	7,760625E+08	1,075757E+09	1,267750E+09	1,267742E+09	1,075732E+09	7,760238E+08
2071	4,678189E+08	2,337157E+08	1,175479E+08	1,175544E+08	2,337319E+08	4,678360E+08	7,760322E+08	1,075724E+09	1,267726E+09	1,267737E+09	1,075743E+09	7,760406E+08
2072	4,678338E+08	2,337258E+08	1,175512E+08	1,175478E+08	2,337184E+08	4,678274E+08	7,760358E+08	1,075735E+09	1,267729E+09	1,267733E+09	1,075749E+09	7,760613E+08
2073	4,678553E+08	2,337364E+08	1,175529E+08	1,175532E+08	2,337376E+08	4,678604E+08	7,760768E+08	1,075784E+09	1,267778E+09	1,267754E+09	1,075730E+09	7,760182E+08
2074	4,678121E+08	2,337062E+08	1,175353E+08	1,175363E+08	2,337069E+08	4,678143E+08	7,760284E+08	1,075746E+09	1,267770E+09	1,267782E+09	1,075772E+09	7,760542E+08
2075	4,678357E+08	2,337168E+08	1,175342E+08	1,175282E+08	2,337023E+08	4,678253E+08	7,760558E+08	1,075779E+09	1,267792E+09	1,267791E+09	1,075777E+09	7,760548E+08
2076	4,678282E+08	2,337024E+08	1,175215E+08	1,175248E+08	2,337092E+08	4,678333E+08	7,760634E+08	1,075799E+09	1,267826E+09	1,267820E+09	1,075782E+09	7,760360E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2077	4,677991E+08	2,336770E+08	1,175020E+08	1,175019E+08	2,336766E+08	4,677972E+08	7,760265E+08	1,075767E+09	1,267818E+09	1,267843E+09	1,075821E+09	7,760780E+08
2078	4,678314E+08	2,336924E+08	1,175027E+08	1,174993E+08	2,336862E+08	4,678347E+08	7,760869E+08	1,075822E+09	1,267841E+09	1,267833E+09	1,075799E+09	7,760536E+08
2079	4,678047E+08	2,336680E+08	1,174883E+08	1,174938E+08	2,336796E+08	4,678142E+08	7,760650E+08	1,075817E+09	1,267851E+09	1,267845E+09	1,075803E+09	7,760514E+08
2080	4,678033E+08	2,336672E+08	1,174851E+08	1,174823E+08	2,336588E+08	4,677911E+08	7,760450E+08	1,075805E+09	1,267849E+09	1,267853E+09	1,075821E+09	7,760778E+08
2081	4,678312E+08	2,336895E+08	1,174982E+08	1,174968E+08	2,336861E+08	4,678306E+08	7,760827E+08	1,075834E+09	1,267866E+09	1,267849E+09	1,075794E+09	7,760361E+08
2082	4,677930E+08	2,336679E+08	1,174935E+08	1,174978E+08	2,336778E+08	4,678044E+08	7,760402E+08	1,075777E+09	1,267818E+09	1,267832E+09	1,075804E+09	7,760584E+08
2083	4,678166E+08	2,336899E+08	1,175106E+08	1,175084E+08	2,336861E+08	4,678162E+08	7,760545E+08	1,075779E+09	1,267791E+09	1,267796E+09	1,075787E+09	7,760653E+08
2084	4,678361E+08	2,337075E+08	1,175254E+08	1,175295E+08	2,337171E+08	4,678449E+08	7,760718E+08	1,075791E+09	1,267792E+09	1,267773E+09	1,075747E+09	7,760251E+08
2085	4,678098E+08	2,337003E+08	1,175307E+08	1,175338E+08	2,337065E+08	4,678125E+08	7,760177E+08	1,075730E+09	1,267751E+09	1,267760E+09	1,075756E+09	7,760530E+08
2086	4,678493E+08	2,337386E+08	1,175576E+08	1,175534E+08	2,337283E+08	4,678431E+08	7,760512E+08	1,075743E+09	1,267728E+09	1,267720E+09	1,075722E+09	7,760330E+08
2087	4,678400E+08	2,337377E+08	1,175665E+08	1,175727E+08	2,337507E+08	4,678464E+08	7,760311E+08	1,075715E+09	1,267702E+09	1,267697E+09	1,075700E+09	7,760137E+08
2088	4,678308E+08	2,337414E+08	1,175754E+08	1,175752E+08	2,337406E+08	4,678258E+08	7,759992E+08	1,075673E+09	1,267663E+09	1,267682E+09	1,075718E+09	7,760502E+08
2089	4,678688E+08	2,337716E+08	1,175940E+08	1,175919E+08	2,337688E+08	4,678722E+08	7,760524E+08	1,075712E+09	1,267673E+09	1,267662E+09	1,075683E+09	7,760127E+08
2090	4,678369E+08	2,337502E+08	1,175867E+08	1,175923E+08	2,337643E+08	4,678536E+08	7,760282E+08	1,075688E+09	1,267657E+09	1,267658E+09	1,075685E+09	7,760193E+08
2091	4,678465E+08	2,337583E+08	1,175886E+08	1,175847E+08	2,337495E+08	4,678413E+08	7,760258E+08	1,075699E+09	1,267672E+09	1,267672E+09	1,075700E+09	7,760380E+08
2092	4,678642E+08	2,337667E+08	1,175883E+08	1,175878E+08	2,337652E+08	4,678667E+08	7,760547E+08	1,075735E+09	1,267712E+09	1,267693E+09	1,075692E+09	7,760047E+08
2093	4,678227E+08	2,337348E+08	1,175698E+08	1,175715E+08	2,337374E+08	4,678238E+08	7,760043E+08	1,075697E+09	1,267712E+09	1,267728E+09	1,075736E+09	7,760415E+08
2094	4,678455E+08	2,337431E+08	1,175661E+08	1,175609E+08	2,337313E+08	4,678370E+08	7,760380E+08	1,075728E+09	1,267722E+09	1,267729E+09	1,075740E+09	7,760461E+08
2095	4,678409E+08	2,337282E+08	1,175523E+08	1,175571E+08	2,337392E+08	4,678469E+08	7,760476E+08	1,075745E+09	1,267742E+09	1,267738E+09	1,075732E+09	7,760240E+08
2096	4,678152E+08	2,337074E+08	1,175352E+08	1,175345E+08	2,337048E+08	4,678116E+08	7,760199E+08	1,075730E+09	1,267744E+09	1,267760E+09	1,075769E+09	7,760644E+08
2097	4,678465E+08	2,337253E+08	1,175393E+08	1,175341E+08	2,337129E+08	4,678406E+08	7,760686E+08	1,075781E+09	1,267779E+09	1,267766E+09	1,075750E+09	7,760367E+08
2098	4,678199E+08	2,337030E+08	1,175276E+08	1,175315E+08	2,337108E+08	4,678263E+08	7,760486E+08	1,075767E+09	1,267779E+09	1,267771E+09	1,075748E+09	7,760270E+08
2099	4,678130E+08	2,337012E+08	1,175264E+08	1,175242E+08	2,336958E+08	4,678070E+08	7,760254E+08	1,075749E+09	1,267770E+09	1,267780E+09	1,075771E+09	7,760550E+08
2100	4,678399E+08	2,337223E+08	1,175390E+08	1,175385E+08	2,337233E+08	4,678476E+08	7,760637E+08	1,075773E+09	1,267775E+09	1,267765E+09	1,075745E+09	7,760239E+08
2101	4,678085E+08	2,337022E+08	1,175350E+08	1,175407E+08	2,337169E+08	4,678244E+08	7,760275E+08	1,075731E+09	1,267744E+09	1,267752E+09	1,075750E+09	7,760420E+08
2102	4,678324E+08	2,337247E+08	1,175510E+08	1,175490E+08	2,337210E+08	4,678303E+08	7,760401E+08	1,075735E+09	1,267720E+09	1,267719E+09	1,075733E+09	7,760495E+08
2103	4,678530E+08	2,337434E+08	1,175666E+08	1,175708E+08	2,337523E+08	4,678564E+08	7,760479E+08	1,075730E+09	1,267706E+09	1,267688E+09	1,075689E+09	7,760066E+08
2104	4,678273E+08	2,337395E+08	1,175748E+08	1,175768E+08	2,337423E+08	4,678258E+08	7,759978E+08	1,075671E+09	1,267660E+09	1,267673E+09	1,075704E+09	7,760383E+08
2105	4,678655E+08	2,337775E+08	1,176029E+08	1,175981E+08	2,337655E+08	4,678544E+08	7,760242E+08	1,075679E+09	1,267641E+09	1,267638E+09	1,075673E+09	7,760200E+08
2106	4,678577E+08	2,337758E+08	1,176107E+08	1,176166E+08	2,337907E+08	4,678694E+08	7,760188E+08	1,075653E+09	1,267605E+09	1,267600E+09	1,075637E+09	7,759925E+08
2107	4,678450E+08	2,337773E+08	1,176180E+08	1,176184E+08	2,337796E+08	4,678488E+08	7,759937E+08	1,075628E+09	1,267581E+09	1,267594E+09	1,075656E+09	7,760256E+08
2108	4,678805E+08	2,338051E+08	1,176333E+08	1,176310E+08	2,338020E+08	4,678864E+08	7,760402E+08	1,075670E+09	1,267601E+09	1,267582E+09	1,075626E+09	7,759944E+08
2109	4,678511E+08	2,337836E+08	1,176251E+08	1,176302E+08	2,337957E+08	4,678637E+08	7,760099E+08	1,075651E+09	1,267609E+09	1,267600E+09	1,075636E+09	7,759981E+08
2110	4,678560E+08	2,337880E+08	1,176239E+08	1,176197E+08	2,337776E+08	4,678476E+08	7,760037E+08	1,075654E+09	1,267617E+09	1,267621E+09	1,075665E+09	7,760244E+08
2111	4,678740E+08	2,337937E+08	1,176217E+08	1,176222E+08	2,337952E+08	4,678754E+08	7,760268E+08	1,075672E+09	1,267632E+09	1,267626E+09	1,075654E+09	7,759952E+08
2112	4,678363E+08	2,337637E+08	1,176034E+08	1,176049E+08	2,337673E+08	4,678398E+08	7,759925E+08	1,075646E+09	1,267628E+09	1,267651E+09	1,075697E+09	7,760366E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,678615E+08	2,337731E+08	1,176003E+08	1,175945E+08	2,337596E+08	4,678485E+08	7,760246E+08	1,075686E+09	1,267653E+09	1,267657E+09	1,075696E+09	7,760383E+08
2114	4,678596E+08	2,337602E+08	1,175868E+08	1,175900E+08	2,337677E+08	4,678622E+08	7,760388E+08	1,075705E+09	1,267672E+09	1,267659E+09	1,075673E+09	7,760018E+08
2115	4,678276E+08	2,337392E+08	1,175716E+08	1,175701E+08	2,337350E+08	4,678252E+08	7,760089E+08	1,075693E+09	1,267685E+09	1,267694E+09	1,075716E+09	7,760378E+08
2116	4,678537E+08	2,337553E+08	1,175759E+08	1,175706E+08	2,337433E+08	4,678496E+08	7,760473E+08	1,075731E+09	1,267709E+09	1,267698E+09	1,075705E+09	7,760197E+08
2117	4,678298E+08	2,337333E+08	1,175654E+08	1,175705E+08	2,337455E+08	4,678398E+08	7,760266E+08	1,075718E+09	1,267715E+09	1,267707E+09	1,075703E+09	7,760101E+08
2118	4,678225E+08	2,337302E+08	1,175632E+08	1,175624E+08	2,337304E+08	4,678243E+08	7,760116E+08	1,075698E+09	1,267694E+09	1,267708E+09	1,075728E+09	7,760446E+08
2119	4,678546E+08	2,337528E+08	1,175762E+08	1,175770E+08	2,337575E+08	4,678629E+08	7,760464E+08	1,075714E+09	1,267682E+09	1,267673E+09	1,075689E+09	7,760114E+08
2120	4,678287E+08	2,337394E+08	1,175758E+08	1,175806E+08	2,337506E+08	4,678396E+08	7,760143E+08	1,075682E+09	1,267657E+09	1,267660E+09	1,075692E+09	7,760280E+08
2121	4,678526E+08	2,337653E+08	1,175959E+08	1,175919E+08	2,337546E+08	4,678376E+08	7,760125E+08	1,075677E+09	1,267641E+09	1,267638E+09	1,075678E+09	7,760326E+08
2122	4,678728E+08	2,337849E+08	1,176129E+08	1,176154E+08	2,337900E+08	4,678714E+08	7,760245E+08	1,075664E+09	1,267612E+09	1,267595E+09	1,075624E+09	7,759808E+08
2123	4,678407E+08	2,337789E+08	1,176220E+08	1,176244E+08	2,337849E+08	4,678466E+08	7,759799E+08	1,075610E+09	1,267569E+09	1,267583E+09	1,075642E+09	7,760118E+08
2124	4,678756E+08	2,338129E+08	1,176469E+08	1,176431E+08	2,338059E+08	4,678753E+08	7,760099E+08	1,075621E+09	1,267548E+09	1,267546E+09	1,075615E+09	7,760025E+08
2125	4,678724E+08	2,338107E+08	1,176527E+08	1,176597E+08	2,338295E+08	4,678902E+08	7,760107E+08	1,075617E+09	1,267542E+09	1,267524E+09	1,075579E+09	7,759714E+08
2126	4,678573E+08	2,338095E+08	1,176561E+08	1,176566E+08	2,338123E+08	4,678638E+08	7,759837E+08	1,075594E+09	1,267527E+09	1,267532E+09	1,075610E+09	7,760092E+08
2127	4,678930E+08	2,338353E+08	1,176692E+08	1,176668E+08	2,338311E+08	4,678945E+08	7,760175E+08	1,075619E+09	1,267533E+09	1,267518E+09	1,075584E+09	7,759818E+08
2128	4,678669E+08	2,338166E+08	1,176621E+08	1,176661E+08	2,338245E+08	4,678719E+08	7,759881E+08	1,075600E+09	1,267535E+09	1,267536E+09	1,075604E+09	7,759925E+08
2129	4,678717E+08	2,338202E+08	1,176610E+08	1,176559E+08	2,338069E+08	4,678530E+08	7,759726E+08	1,075593E+09	1,267541E+09	1,267556E+09	1,075631E+09	7,760208E+08
2130	4,678925E+08	2,338258E+08	1,176577E+08	1,176573E+08	2,338266E+08	4,678930E+08	7,760120E+08	1,075612E+09	1,267541E+09	1,267539E+09	1,075600E+09	7,759801E+08
2131	4,678513E+08	2,337952E+08	1,176396E+08	1,176412E+08	2,337995E+08	4,678584E+08	7,759861E+08	1,075603E+09	1,267549E+09	1,267564E+09	1,075634E+09	7,760118E+08
2132	4,678718E+08	2,338026E+08	1,176346E+08	1,176287E+08	2,337886E+08	4,678608E+08	7,760118E+08	1,075645E+09	1,267584E+09	1,267578E+09	1,075637E+09	7,760161E+08
2133	4,678709E+08	2,337907E+08	1,176225E+08	1,176257E+08	2,337983E+08	4,678744E+08	7,760240E+08	1,075672E+09	1,267625E+09	1,267598E+09	1,075619E+09	7,759753E+08
2134	4,678333E+08	2,337664E+08	1,176059E+08	1,176053E+08	2,337654E+08	4,678368E+08	7,759917E+08	1,075650E+09	1,267629E+09	1,267640E+09	1,075676E+09	7,760199E+08
2135	4,678599E+08	2,337805E+08	1,176098E+08	1,176065E+08	2,337755E+08	4,678628E+08	7,760258E+08	1,075673E+09	1,267630E+09	1,267627E+09	1,075663E+09	7,760089E+08
2136	4,678438E+08	2,337637E+08	1,176018E+08	1,176073E+08	2,337783E+08	4,678582E+08	7,760173E+08	1,075669E+09	1,267632E+09	1,267629E+09	1,075662E+09	7,760041E+08
2137	4,678406E+08	2,337641E+08	1,176022E+08	1,176010E+08	2,337621E+08	4,678357E+08	7,759939E+08	1,075651E+09	1,267621E+09	1,267632E+09	1,075681E+09	7,760366E+08
2138	4,678777E+08	2,337912E+08	1,176173E+08	1,176161E+08	2,337903E+08	4,678784E+08	7,760305E+08	1,075661E+09	1,267600E+09	1,267586E+09	1,075626E+09	7,759900E+08
2139	4,678468E+08	2,337796E+08	1,176208E+08	1,176243E+08	2,337868E+08	4,678540E+08	7,759958E+08	1,075628E+09	1,267578E+09	1,267578E+09	1,075629E+09	7,760007E+08
2140	4,678656E+08	2,338035E+08	1,176409E+08	1,176368E+08	2,337923E+08	4,678499E+08	7,759853E+08	1,075613E+09	1,267552E+09	1,267552E+09	1,075621E+09	7,760134E+08
2141	4,678877E+08	2,338226E+08	1,176583E+08	1,176619E+08	2,338317E+08	4,678900E+08	7,760021E+08	1,075607E+09	1,267533E+09	1,267512E+09	1,075566E+09	7,759589E+08
2142	4,678519E+08	2,338126E+08	1,176641E+08	1,176682E+08	2,338249E+08	4,678691E+08	7,759698E+08	1,075559E+09	1,267486E+09	1,267501E+09	1,075589E+09	7,759948E+08
2143	4,678882E+08	2,338444E+08	1,176864E+08	1,176840E+08	2,338417E+08	4,678926E+08	7,759967E+08	1,075570E+09	1,267463E+09	1,267457E+09	1,075556E+09	7,759858E+08
2144	4,678901E+08	2,338469E+08	1,176933E+08	1,176991E+08	2,338617E+08	4,679041E+08	7,759983E+08	1,075574E+09	1,267469E+09	1,267448E+09	1,075532E+09	7,759580E+08
2145	4,678751E+08	2,338470E+08	1,176978E+08	1,176963E+08	2,338425E+08	4,678689E+08	7,759563E+08	1,075541E+09	1,267461E+09	1,267471E+09	1,075569E+09	7,759985E+08
2146	4,679120E+08	2,338722E+08	1,177098E+08	1,177056E+08	2,338630E+08	4,679058E+08	7,759909E+08	1,075552E+09	1,267447E+09	1,267441E+09	1,075535E+09	7,759648E+08
2147	4,678811E+08	2,338510E+08	1,177024E+08	1,177063E+08	2,338598E+08	4,678884E+08	7,759695E+08	1,075541E+09	1,267451E+09	1,267457E+09	1,075551E+09	7,759738E+08
2148	4,678835E+08	2,338502E+08	1,176971E+08	1,176931E+08	2,338403E+08	4,678700E+08	7,759587E+08	1,075539E+09	1,267456E+09	1,267472E+09	1,075579E+09	7,760068E+08

1 Longitude ☉	2	3	4	5	6	7	8	9	10	11	12	13
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
2149	4,679065E+08	2,338550E+08	1,176919E+08	1,176924E+08	2,338578E+08	4,679088E+08	7,760039E+08	1,075581E+09	1,267485E+09	1,267467E+09	1,075543E+09	7,759572E+08
2150	4,678595E+08	2,338212E+08	1,176708E+08	1,176732E+08	2,338275E+08	4,678733E+08	7,759809E+08	1,075576E+09	1,267502E+09	1,267508E+09	1,075588E+09	7,759905E+08
2151	4,678778E+08	2,338263E+08	1,176650E+08	1,176598E+08	2,338143E+08	4,678697E+08	7,759954E+08	1,075603E+09	1,267524E+09	1,267519E+09	1,075594E+09	7,759981E+08
2152	4,678808E+08	2,338188E+08	1,176556E+08	1,176586E+08	2,338258E+08	4,678848E+08	7,760077E+08	1,075626E+09	1,267560E+09	1,267542E+09	1,075588E+09	7,759665E+08
2153	4,678460E+08	2,337961E+08	1,176413E+08	1,176407E+08	2,337950E+08	4,678460E+08	7,759670E+08	1,075595E+09	1,267559E+09	1,267580E+09	1,075643E+09	7,760160E+08
2154	4,678789E+08	2,338128E+08	1,176460E+08	1,176421E+08	2,338066E+08	4,678803E+08	7,760112E+08	1,075614E+09	1,267540E+09	1,267541E+09	1,075610E+09	7,759957E+08
2155	4,678627E+08	2,337995E+08	1,176418E+08	1,176468E+08	2,338117E+08	4,678743E+08	7,760061E+08	1,075622E+09	1,267551E+09	1,267540E+09	1,075598E+09	7,759826E+08
2156	4,678574E+08	2,338008E+08	1,176435E+08	1,176418E+08	2,337955E+08	4,678465E+08	7,759715E+08	1,075595E+09	1,267539E+09	1,267545E+09	1,075619E+09	7,760159E+08
2157	4,678949E+08	2,338301E+08	1,176617E+08	1,176602E+08	2,338266E+08	4,678895E+08	7,760063E+08	1,075610E+09	1,267531E+09	1,267508E+09	1,075564E+09	7,759618E+08
2158	4,678568E+08	2,338153E+08	1,176646E+08	1,176694E+08	2,338267E+08	4,678714E+08	7,759754E+08	1,075570E+09	1,267498E+09	1,267501E+09	1,075576E+09	7,759779E+08
2159	4,678743E+08	2,338358E+08	1,176830E+08	1,176811E+08	2,338324E+08	4,678700E+08	7,759657E+08	1,075546E+09	1,267455E+09	1,267462E+09	1,075564E+09	7,759957E+08
2160	4,679030E+08	2,338587E+08	1,177012E+08	1,177056E+08	2,338711E+08	4,679137E+08	7,759956E+08	1,075556E+09	1,267443E+09	1,267425E+09	1,075516E+09	7,759472E+08
2161	4,678706E+08	2,338500E+08	1,177069E+08	1,177107E+08	2,338601E+08	4,678830E+08	7,759538E+08	1,075513E+09	1,267415E+09	1,267425E+09	1,075539E+09	7,759839E+08
2162	4,679098E+08	2,338830E+08	1,177283E+08	1,177241E+08	2,338751E+08	4,679084E+08	7,759810E+08	1,075518E+09	1,267385E+09	1,267377E+09	1,075500E+09	7,759665E+08
2163	4,679077E+08	2,338861E+08	1,177371E+08	1,177415E+08	2,338958E+08	4,679159E+08	7,759788E+08	1,075522E+09	1,267395E+09	1,267375E+09	1,075478E+09	7,759366E+08
2164	4,678885E+08	2,338819E+08	1,177388E+08	1,177374E+08	2,338766E+08	4,678782E+08	7,759271E+08	1,075476E+09	1,267378E+09	1,267396E+09	1,075523E+09	7,759852E+08
2165	4,679268E+08	2,339055E+08	1,177491E+08	1,177457E+08	2,338984E+08	4,679204E+08	7,759707E+08	1,075499E+09	1,267373E+09	1,267365E+09	1,075483E+09	7,759463E+08
2166	4,678913E+08	2,338794E+08	1,177370E+08	1,177426E+08	2,338933E+08	4,679081E+08	7,759619E+08	1,075495E+09	1,267375E+09	1,267380E+09	1,075500E+09	7,759561E+08
2167	4,678928E+08	2,338754E+08	1,177284E+08	1,177257E+08	2,338687E+08	4,678841E+08	7,759489E+08	1,075497E+09	1,267383E+09	1,267391E+09	1,075522E+09	7,759869E+08
2168	4,679190E+08	2,338843E+08	1,177245E+08	1,177243E+08	2,338840E+08	4,679206E+08	7,759950E+08	1,075546E+09	1,267425E+09	1,267405E+09	1,075500E+09	7,759404E+08
2169	4,678712E+08	2,338513E+08	1,177050E+08	1,177063E+08	2,338529E+08	4,678778E+08	7,759591E+08	1,075534E+09	1,267450E+09	1,267459E+09	1,075553E+09	7,759777E+08
2170	4,678906E+08	2,338562E+08	1,176993E+08	1,176934E+08	2,338430E+08	4,678823E+08	7,759753E+08	1,075547E+09	1,267451E+09	1,267453E+09	1,075552E+09	7,759823E+08
2171	4,678923E+08	2,338498E+08	1,176926E+08	1,176957E+08	2,338579E+08	4,679006E+08	7,759942E+08	1,075576E+09	1,267485E+09	1,267471E+09	1,075542E+09	7,759515E+08
2172	4,678591E+08	2,338263E+08	1,176773E+08	1,176778E+08	2,338274E+08	4,678610E+08	7,759524E+08	1,075544E+09	1,267480E+09	1,267501E+09	1,075595E+09	7,760054E+08
2173	4,678971E+08	2,338466E+08	1,176840E+08	1,176802E+08	2,338388E+08	4,678927E+08	7,759971E+08	1,075577E+09	1,267478E+09	1,267466E+09	1,075553E+09	7,759748E+08
2174	4,678761E+08	2,338325E+08	1,176797E+08	1,176851E+08	2,338446E+08	4,678889E+08	7,759925E+08	1,075579E+09	1,267485E+09	1,267472E+09	1,075547E+09	7,759618E+08
2175	4,678682E+08	2,338328E+08	1,176826E+08	1,176818E+08	2,338288E+08	4,678576E+08	7,759488E+08	1,075535E+09	1,267456E+09	1,267465E+09	1,075565E+09	7,759963E+08
2176	4,679088E+08	2,338660E+08	1,177038E+08	1,177026E+08	2,338630E+08	4,679045E+08	7,759854E+08	1,075547E+09	1,267441E+09	1,267430E+09	1,075520E+09	7,759485E+08
2177	4,678725E+08	2,338523E+08	1,177084E+08	1,177137E+08	2,338653E+08	4,678883E+08	7,759542E+08	1,075507E+09	1,267409E+09	1,267421E+09	1,075528E+09	7,759671E+08
2178	4,678941E+08	2,338737E+08	1,177259E+08	1,177238E+08	2,338708E+08	4,678932E+08	7,759543E+08	1,075484E+09	1,267355E+09	1,267361E+09	1,075499E+09	7,759748E+08
2179	4,679207E+08	2,338985E+08	1,177462E+08	1,177498E+08	2,339084E+08	4,679317E+08	7,759858E+08	1,075510E+09	1,267361E+09	1,267333E+09	1,075447E+09	7,759230E+08
2180	4,678879E+08	2,338892E+08	1,177512E+08	1,177545E+08	2,338959E+08	4,678947E+08	7,759321E+08	1,075459E+09	1,267337E+09	1,267344E+09	1,075481E+09	7,759643E+08
2181	4,679272E+08	2,339221E+08	1,177727E+08	1,177679E+08	2,339101E+08	4,679164E+08	7,759557E+08	1,075468E+09	1,267318E+09	1,267305E+09	1,075445E+09	7,759426E+08
2182	4,679179E+08	2,339199E+08	1,177781E+08	1,177836E+08	2,339327E+08	4,679311E+08	7,759581E+08	1,075465E+09	1,267317E+09	1,267306E+09	1,075434E+09	7,759198E+08
2183	4,678972E+08	2,339108E+08	1,177759E+08	1,177762E+08	2,339112E+08	4,678948E+08	7,759089E+08	1,075414E+09	1,267286E+09	1,267311E+09	1,075473E+09	7,759709E+08
2184	4,679405E+08	2,339359E+08	1,177847E+08	1,177818E+08	2,339303E+08	4,679381E+08	7,759633E+08	1,075453E+09	1,267294E+09	1,267290E+09	1,075439E+09	7,759346E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,679064E+08	2,339102E+08	1,177715E+08	1,177764E+08	2,339216E+08	4,679192E+08	7,759493E+08	1,075458E+09	1,267317E+09	1,267317E+09	1,075456E+09	7,759431E+08
2186	4,679086E+08	2,339064E+08	1,177615E+08	1,177570E+08	2,338952E+08	4,678972E+08	7,759365E+08	1,075455E+09	1,267319E+09	1,267325E+09	1,075472E+09	7,759656E+08
2187	4,679300E+08	2,339159E+08	1,177604E+08	1,177590E+08	2,339118E+08	4,679298E+08	7,759803E+08	1,075506E+09	1,267367E+09	1,267345E+09	1,075455E+09	7,759223E+08
2188	4,678819E+08	2,338806E+08	1,177400E+08	1,177418E+08	2,338832E+08	4,678865E+08	7,759350E+08	1,075480E+09	1,267381E+09	1,267398E+09	1,075517E+09	7,759682E+08
2189	4,679038E+08	2,338856E+08	1,177345E+08	1,177296E+08	2,338747E+08	4,678951E+08	7,759595E+08	1,075502E+09	1,267383E+09	1,267385E+09	1,075508E+09	7,759675E+08
2190	4,679028E+08	2,338775E+08	1,177265E+08	1,177311E+08	2,338900E+08	4,679185E+08	7,759871E+08	1,075533E+09	1,267411E+09	1,267397E+09	1,075495E+09	7,759366E+08
2191	4,678701E+08	2,338543E+08	1,177113E+08	1,177126E+08	2,338571E+08	4,678735E+08	7,759381E+08	1,075495E+09	1,267400E+09	1,267417E+09	1,075537E+09	7,759872E+08
2192	4,679131E+08	2,338812E+08	1,177223E+08	1,177179E+08	2,338698E+08	4,679038E+08	7,759795E+08	1,075525E+09	1,267404E+09	1,267395E+09	1,075506E+09	7,759577E+08
2193	4,678918E+08	2,338692E+08	1,177212E+08	1,177259E+08	2,338779E+08	4,678972E+08	7,759652E+08	1,075519E+09	1,267409E+09	1,267400E+09	1,075500E+09	7,759460E+08
2194	4,678843E+08	2,338698E+08	1,177249E+08	1,177239E+08	2,338667E+08	4,678765E+08	7,759280E+08	1,075468E+09	1,267359E+09	1,267374E+09	1,075506E+09	7,759747E+08
2195	4,679224E+08	2,339039E+08	1,177489E+08	1,177481E+08	2,339035E+08	4,679266E+08	7,759753E+08	1,075492E+09	1,267349E+09	1,267335E+09	1,075456E+09	7,759280E+08
2196	4,678880E+08	2,338886E+08	1,177517E+08	1,177581E+08	2,339046E+08	4,679072E+08	7,759419E+08	1,075456E+09	1,267323E+09	1,267330E+09	1,075468E+09	7,759496E+08
2197	4,679120E+08	2,339118E+08	1,177695E+08	1,177674E+08	2,339075E+08	4,679082E+08	7,759433E+08	1,075449E+09	1,267291E+09	1,267283E+09	1,075438E+09	7,759500E+08
2198	4,679331E+08	2,339344E+08	1,177884E+08	1,177921E+08	2,339441E+08	4,679466E+08	7,759709E+08	1,075464E+09	1,267295E+09	1,267266E+09	1,075398E+09	7,759027E+08
2199	4,678986E+08	2,339230E+08	1,177925E+08	1,177959E+08	2,339298E+08	4,679041E+08	7,759060E+08	1,075398E+09	1,267255E+09	1,267269E+09	1,075433E+09	7,759491E+08
2200	4,679426E+08	2,339579E+08	1,178141E+08	1,178095E+08	2,339457E+08	4,679285E+08	7,759297E+08	1,075401E+09	1,267231E+09	1,267235E+09	1,075408E+09	7,759340E+08
2201	4,679348E+08	2,339547E+08	1,178181E+08	1,178234E+08	2,339672E+08	4,679448E+08	7,759360E+08	1,075402E+09	1,267230E+09	1,267228E+09	1,075391E+09	7,759126E+08
2202	4,679163E+08	2,339446E+08	1,178129E+08	1,178125E+08	2,339441E+08	4,679143E+08	7,758987E+08	1,075360E+09	1,267193E+09	1,267217E+09	1,075412E+09	7,759515E+08
2203	4,679555E+08	2,339701E+08	1,178226E+08	1,178185E+08	2,339607E+08	4,679519E+08	7,759552E+08	1,075416E+09	1,267224E+09	1,267207E+09	1,075376E+09	7,759117E+08
2204	4,679195E+08	2,339423E+08	1,178080E+08	1,178124E+08	2,339513E+08	4,679285E+08	7,759318E+08	1,075416E+09	1,267256E+09	1,267252E+09	1,075406E+09	7,759231E+08
2205	4,679199E+08	2,339376E+08	1,177979E+08	1,177933E+08	2,339251E+08	4,679057E+08	7,759195E+08	1,075418E+09	1,267266E+09	1,267267E+09	1,075427E+09	7,759426E+08
2206	4,679341E+08	2,339418E+08	1,177942E+08	1,177942E+08	2,339443E+08	4,679458E+08	7,759667E+08	1,075461E+09	1,267304E+09	1,267289E+09	1,075421E+09	7,759090E+08
2207	4,678879E+08	2,339044E+08	1,177717E+08	1,177751E+08	2,339135E+08	4,679019E+08	7,759226E+08	1,075430E+09	1,267303E+09	1,267325E+09	1,075475E+09	7,759587E+08
2208	4,679176E+08	2,339134E+08	1,177670E+08	1,177627E+08	2,339034E+08	4,679078E+08	7,759486E+08	1,075458E+09	1,267312E+09	1,267319E+09	1,075471E+09	7,759597E+08
2209	4,679198E+08	2,339089E+08	1,177609E+08	1,177644E+08	2,339169E+08	4,679267E+08	7,759699E+08	1,075491E+09	1,267349E+09	1,267334E+09	1,075453E+09	7,759267E+08
2210	4,678887E+08	2,338885E+08	1,177476E+08	1,177473E+08	2,338866E+08	4,678859E+08	7,759196E+08	1,075440E+09	1,267319E+09	1,267336E+09	1,075481E+09	7,759653E+08
2211	4,679266E+08	2,339174E+08	1,177636E+08	1,177582E+08	2,339029E+08	4,679141E+08	7,759590E+08	1,075472E+09	1,267324E+09	1,267314E+09	1,075448E+09	7,759375E+08
2212	4,679058E+08	2,339046E+08	1,177634E+08	1,177689E+08	2,339164E+08	4,679124E+08	7,759414E+08	1,075456E+09	1,267320E+09	1,267317E+09	1,075447E+09	7,759299E+08
2213	4,678998E+08	2,339061E+08	1,177680E+08	1,177679E+08	2,339058E+08	4,678952E+08	7,759160E+08	1,075419E+09	1,267275E+09	1,267285E+09	1,075444E+09	7,759507E+08
2214	4,679326E+08	2,339374E+08	1,177905E+08	1,177911E+08	2,339424E+08	4,679483E+08	7,759696E+08	1,075449E+09	1,267269E+09	1,267249E+09	1,075397E+09	7,759069E+08
2215	4,678997E+08	2,339227E+08	1,177931E+08	1,177998E+08	2,339397E+08	4,679209E+08	7,759255E+08	1,075406E+09	1,267242E+09	1,267242E+09	1,075406E+09	7,759288E+08
2216	4,679284E+08	2,339503E+08	1,178133E+08	1,178105E+08	2,339424E+08	4,679183E+08	7,759194E+08	1,075391E+09	1,267215E+09	1,267216E+09	1,075394E+09	7,759343E+08
2217	4,679498E+08	2,339736E+08	1,178332E+08	1,178357E+08	2,339794E+08	4,679550E+08	7,759405E+08	1,075399E+09	1,267214E+09	1,267197E+09	1,075358E+09	7,758927E+08
2218	4,679173E+08	2,339613E+08	1,178358E+08	1,178386E+08	2,339683E+08	4,679226E+08	7,758822E+08	1,075325E+09	1,267152E+09	1,267176E+09	1,075378E+09	7,759332E+08
2219	4,679590E+08	2,339953E+08	1,178575E+08	1,178527E+08	2,339839E+08	4,679478E+08	7,759169E+08	1,075345E+09	1,267138E+09	1,267139E+09	1,075346E+09	7,759185E+08
2220	4,679525E+08	2,339894E+08	1,178581E+08	1,178639E+08	2,340033E+08	4,679620E+08	7,759234E+08	1,075354E+09	1,267150E+09	1,267141E+09	1,075333E+09	7,758957E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,679327E+08	2,339786E+08	1,178511E+08	1,178503E+08	2,339760E+08	4,679283E+08	7,758920E+08	1,075332E+09	1,267137E+09	1,267145E+09	1,075353E+09	7,759243E+08
2222	4,679616E+08	2,339986E+08	1,178579E+08	1,178542E+08	2,339916E+08	4,679665E+08	7,759471E+08	1,075384E+09	1,267172E+09	1,267151E+09	1,075333E+09	7,758908E+08
2223	4,679240E+08	2,339679E+08	1,178411E+08	1,178459E+08	2,339794E+08	4,679374E+08	7,759128E+08	1,075370E+09	1,267193E+09	1,267193E+09	1,075368E+09	7,759096E+08
2224	4,679297E+08	2,339647E+08	1,178310E+08	1,178271E+08	2,339550E+08	4,679176E+08	7,759002E+08	1,075365E+09	1,267201E+09	1,267217E+09	1,075401E+09	7,759375E+08
2225	4,679477E+08	2,339694E+08	1,178265E+08	1,178263E+08	2,339719E+08	4,679568E+08	7,759488E+08	1,075410E+09	1,267232E+09	1,267225E+09	1,075387E+09	7,759061E+08
2226	4,679063E+08	2,339340E+08	1,178036E+08	1,178062E+08	2,339411E+08	4,679162E+08	7,759098E+08	1,075381E+09	1,267220E+09	1,267238E+09	1,075419E+09	7,759435E+08
2227	4,679343E+08	2,339471E+08	1,178035E+08	1,177977E+08	2,339315E+08	4,679165E+08	7,759324E+08	1,075415E+09	1,267242E+09	1,267236E+09	1,075409E+09	7,759408E+08
2228	4,679361E+08	2,339431E+08	1,177993E+08	1,178019E+08	2,339474E+08	4,679334E+08	7,759443E+08	1,075436E+09	1,267275E+09	1,267259E+09	1,075399E+09	7,759070E+08
2229	4,679028E+08	2,339239E+08	1,177888E+08	1,177882E+08	2,339211E+08	4,678975E+08	7,759012E+08	1,075394E+09	1,267247E+09	1,267260E+09	1,075424E+09	7,759380E+08
2230	4,679318E+08	2,339484E+08	1,178041E+08	1,178004E+08	2,339422E+08	4,679356E+08	7,759467E+08	1,075419E+09	1,267243E+09	1,267236E+09	1,075397E+09	7,759168E+08
2231	4,679129E+08	2,339347E+08	1,178027E+08	1,178098E+08	2,339539E+08	4,679331E+08	7,759309E+08	1,075404E+09	1,267233E+09	1,267228E+09	1,075390E+09	7,759123E+08
2232	4,679141E+08	2,339400E+08	1,178084E+08	1,178091E+08	2,339423E+08	4,679132E+08	7,759046E+08	1,075373E+09	1,267202E+09	1,267214E+09	1,075398E+09	7,759371E+08
2233	4,679499E+08	2,339736E+08	1,178316E+08	1,178311E+08	2,339753E+08	4,679597E+08	7,759504E+08	1,075401E+09	1,267202E+09	1,267182E+09	1,075353E+09	7,758967E+08
2234	4,679204E+08	2,339617E+08	1,178357E+08	1,178408E+08	2,339741E+08	4,679336E+08	7,759023E+08	1,075345E+09	1,267156E+09	1,267160E+09	1,075353E+09	7,759123E+08
2235	4,679466E+08	2,339912E+08	1,178596E+08	1,178556E+08	2,339792E+08	4,679282E+08	7,758917E+08	1,075327E+09	1,267127E+09	1,267130E+09	1,075340E+09	7,759216E+08
2236	4,679691E+08	2,340122E+08	1,178784E+08	1,178811E+08	2,340192E+08	4,679701E+08	7,759128E+08	1,075328E+09	1,267117E+09	1,267108E+09	1,075305E+09	7,758808E+08
2237	4,679368E+08	2,339996E+08	1,178797E+08	1,178828E+08	2,340071E+08	4,679427E+08	7,758728E+08	1,075275E+09	1,267060E+09	1,267079E+09	1,075312E+09	7,759084E+08
2238	4,679696E+08	2,340278E+08	1,178971E+08	1,178934E+08	2,340210E+08	4,679695E+08	7,759127E+08	1,075306E+09	1,267062E+09	1,267052E+09	1,075283E+09	7,758940E+08
2239	4,679617E+08	2,340201E+08	1,178951E+08	1,179007E+08	2,340348E+08	4,679759E+08	7,759109E+08	1,075314E+09	1,267083E+09	1,267063E+09	1,075273E+09	7,758721E+08
2240	4,679438E+08	2,340101E+08	1,178878E+08	1,178866E+08	2,340060E+08	4,679377E+08	7,758724E+08	1,075286E+09	1,267082E+09	1,267096E+09	1,075316E+09	7,759072E+08
2241	4,679711E+08	2,340277E+08	1,178931E+08	1,178887E+08	2,340200E+08	4,679743E+08	7,759242E+08	1,075335E+09	1,267113E+09	1,267102E+09	1,075305E+09	7,758844E+08
2242	4,679379E+08	2,339969E+08	1,178746E+08	1,178791E+08	2,340094E+08	4,679522E+08	7,758944E+08	1,075313E+09	1,267112E+09	1,267120E+09	1,075327E+09	7,758989E+08
2243	4,679433E+08	2,339942E+08	1,178654E+08	1,178611E+08	2,339837E+08	4,679298E+08	7,758869E+08	1,075320E+09	1,267126E+09	1,267139E+09	1,075353E+09	7,759289E+08
2244	4,679655E+08	2,339993E+08	1,178604E+08	1,178598E+08	2,340000E+08	4,679667E+08	7,759318E+08	1,075365E+09	1,267164E+09	1,267153E+09	1,075338E+09	7,758943E+08
2245	4,679244E+08	2,339669E+08	1,178393E+08	1,178406E+08	2,339687E+08	4,679261E+08	7,758980E+08	1,075346E+09	1,267158E+09	1,267165E+09	1,075361E+09	7,759177E+08
2246	4,679423E+08	2,339767E+08	1,178397E+08	1,178342E+08	2,339631E+08	4,679298E+08	7,759175E+08	1,075372E+09	1,267177E+09	1,267170E+09	1,075360E+09	7,759186E+08
2247	4,679427E+08	2,339722E+08	1,178361E+08	1,178394E+08	2,339803E+08	4,679458E+08	7,759220E+08	1,075381E+09	1,267197E+09	1,267183E+09	1,075350E+09	7,758894E+08
2248	4,679137E+08	2,339549E+08	1,178272E+08	1,178282E+08	2,339578E+08	4,679156E+08	7,758825E+08	1,075334E+09	1,267169E+09	1,267195E+09	1,075384E+09	7,759247E+08
2249	4,679443E+08	2,339793E+08	1,178423E+08	1,178393E+08	2,339768E+08	4,679538E+08	7,759347E+08	1,075369E+09	1,267164E+09	1,267158E+09	1,075351E+09	7,759071E+08
2250	4,679315E+08	2,339694E+08	1,178417E+08	1,178484E+08	2,339881E+08	4,679512E+08	7,759188E+08	1,075354E+09	1,267147E+09	1,267135E+09	1,075327E+09	7,758931E+08
2251	4,679321E+08	2,339792E+08	1,178523E+08	1,178516E+08	2,339765E+08	4,679245E+08	7,758856E+08	1,075324E+09	1,267126E+09	1,267127E+09	1,075335E+09	7,759198E+08
2252	4,679705E+08	2,340141E+08	1,178776E+08	1,178760E+08	2,340117E+08	4,679687E+08	7,759201E+08	1,075337E+09	1,267119E+09	1,267102E+09	1,075300E+09	7,758809E+08
2253	4,679403E+08	2,340034E+08	1,178832E+08	1,178880E+08	2,340137E+08	4,679481E+08	7,758809E+08	1,075286E+09	1,267068E+09	1,267072E+09	1,075293E+09	7,758889E+08
2254	4,679580E+08	2,340275E+08	1,179048E+08	1,179024E+08	2,340225E+08	4,679517E+08	7,758769E+08	1,075267E+09	1,267034E+09	1,267040E+09	1,075284E+09	7,759021E+08
2255	4,679803E+08	2,340456E+08	1,179199E+08	1,179235E+08	2,340571E+08	4,679901E+08	7,759004E+08	1,075273E+09	1,267024E+09	1,267012E+09	1,075242E+09	7,758615E+08
2256	4,679520E+08	2,340340E+08	1,179197E+08	1,179234E+08	2,340429E+08	4,679608E+08	7,758617E+08	1,075231E+09	1,266994E+09	1,267010E+09	1,075261E+09	7,758891E+08

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°
2257	4,679826E+08	2,340602E+08	1,179345E+08	1,179297E+08	2,340508E+08	4,679811E+08	7,758975E+08	1,075265E+09	1,267004E+09	1,266992E+09	1,075239E+09	7,758786E+08
2258	4,679762E+08	2,340525E+08	1,179312E+08	1,179355E+08	2,340637E+08	4,679862E+08	7,758912E+08	1,075265E+09	1,267014E+09	1,266997E+09	1,075227E+09	7,758553E+08
2259	4,679565E+08	2,340427E+08	1,179256E+08	1,179235E+08	2,340360E+08	4,679463E+08	7,758497E+08	1,075236E+09	1,267014E+09	1,267029E+09	1,075275E+09	7,758995E+08
2260	4,679871E+08	2,340579E+08	1,179288E+08	1,179246E+08	2,340506E+08	4,679851E+08	7,758998E+08	1,075275E+09	1,267034E+09	1,267034E+09	1,075268E+09	7,758794E+08
2261	4,679564E+08	2,340282E+08	1,179099E+08	1,179139E+08	2,340384E+08	4,679661E+08	7,758866E+08	1,075273E+09	1,267036E+09	1,267039E+09	1,075273E+09	7,758807E+08
2262	4,679542E+08	2,340221E+08	1,178989E+08	1,178953E+08	2,340138E+08	4,679449E+08	7,758774E+08	1,075282E+09	1,267059E+09	1,267063E+09	1,075298E+09	7,759078E+08
2263	4,679747E+08	2,340275E+08	1,178938E+08	1,178928E+08	2,340267E+08	4,679752E+08	7,759127E+08	1,075319E+09	1,267096E+09	1,267079E+09	1,075282E+09	7,758717E+08
2264	4,679353E+08	2,339975E+08	1,178751E+08	1,178768E+08	2,339996E+08	4,679370E+08	7,758763E+08	1,075294E+09	1,267098E+09	1,267112E+09	1,075319E+09	7,758976E+08
2265	4,679506E+08	2,340056E+08	1,178755E+08	1,178705E+08	2,339950E+08	4,679435E+08	7,758979E+08	1,075320E+09	1,267109E+09	1,267108E+09	1,075322E+09	7,759067E+08
2266	4,679557E+08	2,340024E+08	1,178721E+08	1,178762E+08	2,340149E+08	4,679664E+08	7,759094E+08	1,075325E+09	1,267110E+09	1,267099E+09	1,075297E+09	7,758744E+08
2267	4,679284E+08	2,339878E+08	1,178662E+08	1,178676E+08	2,339920E+08	4,679330E+08	7,758738E+08	1,075292E+09	1,267092E+09	1,267108E+09	1,075328E+09	7,759132E+08
2268	4,679632E+08	2,340136E+08	1,178820E+08	1,178789E+08	2,340099E+08	4,679669E+08	7,759181E+08	1,075323E+09	1,267093E+09	1,267083E+09	1,075299E+09	7,758940E+08
2269	4,679526E+08	2,340086E+08	1,178847E+08	1,178899E+08	2,340208E+08	4,679636E+08	7,759058E+08	1,075311E+09	1,267076E+09	1,267057E+09	1,075267E+09	7,758682E+08
2270	4,679445E+08	2,340160E+08	1,178965E+08	1,178960E+08	2,340140E+08	4,679385E+08	7,758642E+08	1,075269E+09	1,267049E+09	1,267052E+09	1,075284E+09	7,758999E+08
2271	4,679830E+08	2,340507E+08	1,179217E+08	1,179205E+08	2,340495E+08	4,679815E+08	7,758911E+08	1,075268E+09	1,267026E+09	1,267016E+09	1,075245E+09	7,758648E+08
2272	4,679574E+08	2,340413E+08	1,179278E+08	1,179337E+08	2,340549E+08	4,679676E+08	7,758573E+08	1,075216E+09	1,266976E+09	1,266991E+09	1,075241E+09	7,758729E+08
2273	4,679740E+08	2,340629E+08	1,179465E+08	1,179443E+08	2,340593E+08	4,679710E+08	7,758640E+08	1,075213E+09	1,266946E+09	1,266951E+09	1,075227E+09	7,758877E+08
2274	4,679991E+08	2,340820E+08	1,179599E+08	1,179630E+08	2,340914E+08	4,680072E+08	7,758871E+08	1,075222E+09	1,266938E+09	1,266916E+09	1,075175E+09	7,758380E+08
2275	4,679675E+08	2,340713E+08	1,179617E+08	1,179638E+08	2,340750E+08	4,679711E+08	7,758435E+08	1,075185E+09	1,266925E+09	1,266931E+09	1,075203E+09	7,758697E+08
2276	4,679975E+08	2,340951E+08	1,179754E+08	1,179699E+08	2,340831E+08	4,679896E+08	7,758718E+08	1,075210E+09	1,266936E+09	1,266929E+09	1,075197E+09	7,758638E+08
2277	4,679914E+08	2,340875E+08	1,179717E+08	1,179754E+08	2,340967E+08	4,679998E+08	7,758757E+08	1,075215E+09	1,266940E+09	1,266926E+09	1,075180E+09	7,758358E+08
2278	4,679647E+08	2,340717E+08	1,179625E+08	1,179621E+08	2,340715E+08	4,679662E+08	7,758389E+08	1,075188E+09	1,266940E+09	1,266958E+09	1,075231E+09	7,758847E+08
2279	4,679970E+08	2,340849E+08	1,179619E+08	1,179584E+08	2,340798E+08	4,679990E+08	7,758874E+08	1,075229E+09	1,266960E+09	1,266956E+09	1,075217E+09	7,758656E+08
2280	4,679710E+08	2,340571E+08	1,179424E+08	1,179471E+08	2,340671E+08	4,679786E+08	7,758721E+08	1,075231E+09	1,266981E+09	1,266984E+09	1,075230E+09	7,758642E+08
2281	4,679655E+08	2,340495E+08	1,179303E+08	1,179262E+08	2,340394E+08	4,679549E+08	7,758630E+08	1,075242E+09	1,267002E+09	1,267008E+09	1,075259E+09	7,758942E+08
2282	4,679874E+08	2,340564E+08	1,179263E+08	1,179249E+08	2,340538E+08	4,679849E+08	7,758931E+08	1,075268E+09	1,267024E+09	1,267010E+09	1,075236E+09	7,758545E+08
2283	4,679467E+08	2,340282E+08	1,179114E+08	1,179133E+08	2,340310E+08	4,679497E+08	7,758578E+08	1,075244E+09	1,267025E+09	1,267039E+09	1,075274E+09	7,758867E+08
2284	4,679650E+08	2,340359E+08	1,179122E+08	1,179082E+08	2,340286E+08	4,679598E+08	7,758812E+08	1,075264E+09	1,267029E+09	1,267034E+09	1,075276E+09	7,758952E+08
2285	4,679735E+08	2,340365E+08	1,179106E+08	1,179144E+08	2,340470E+08	4,679844E+08	7,759068E+08	1,075287E+09	1,267033E+09	1,267012E+09	1,075236E+09	7,758519E+08
2286	4,679408E+08	2,340210E+08	1,179057E+08	1,179079E+08	2,340269E+08	4,679498E+08	7,758638E+08	1,075252E+09	1,267023E+09	1,267028E+09	1,075269E+09	7,758901E+08
2287	4,679760E+08	2,340487E+08	1,179227E+08	1,179189E+08	2,340412E+08	4,679744E+08	7,758929E+08	1,075267E+09	1,267016E+09	1,267004E+09	1,075243E+09	7,758733E+08
2288	4,679686E+08	2,340470E+08	1,179290E+08	1,179343E+08	2,340579E+08	4,679749E+08	7,758758E+08	1,075246E+09	1,267001E+09	1,266994E+09	1,075223E+09	7,758505E+08
2289	4,679584E+08	2,340527E+08	1,179403E+08	1,179402E+08	2,340527E+08	4,679550E+08	7,758395E+08	1,075200E+09	1,266958E+09	1,266972E+09	1,075238E+09	7,758880E+08
2290	4,680005E+08	2,340875E+08	1,179643E+08	1,179637E+08	2,340884E+08	4,680014E+08	7,758727E+08	1,075200E+09	1,266922E+09	1,266915E+09	1,075183E+09	7,758473E+08
2291	4,679753E+08	2,340798E+08	1,179719E+08	1,179779E+08	2,340934E+08	4,679870E+08	7,758464E+08	1,075166E+09	1,266888E+09	1,266892E+09	1,075176E+09	7,758566E+08
2292	4,679932E+08	2,341004E+08	1,179892E+08	1,179864E+08	2,340947E+08	4,679859E+08	7,758473E+08	1,075163E+09	1,266871E+09	1,266871E+09	1,075169E+09	7,758681E+08

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°
2293	4,680172E+08	2,341209E+08	1,180030E+08	1,180043E+08	2,341240E+08	4,680210E+08	7,758779E+08	1,075182E+09	1,266868E+09	1,266840E+09	1,075116E+09	7,758119E+08
2294	4,679769E+08	2,341052E+08	1,180031E+08	1,180059E+08	2,341110E+08	4,679854E+08	7,758268E+08	1,075138E+09	1,266858E+09	1,266866E+09	1,075158E+09	7,758502E+08
2295	4,680060E+08	2,341255E+08	1,180132E+08	1,180085E+08	2,341160E+08	4,680014E+08	7,758484E+08	1,075152E+09	1,266858E+09	1,266860E+09	1,075155E+09	7,758518E+08
2296	4,680049E+08	2,341180E+08	1,180080E+08	1,180130E+08	2,341307E+08	4,680164E+08	7,758578E+08	1,075159E+09	1,266869E+09	1,266867E+09	1,075143E+09	7,758249E+08
2297	4,679776E+08	2,340993E+08	1,179947E+08	1,179945E+08	2,340999E+08	4,679809E+08	7,758292E+08	1,075145E+09	1,266869E+09	1,266887E+09	1,075188E+09	7,758747E+08
2298	4,680129E+08	2,341137E+08	1,179930E+08	1,179890E+08	2,341052E+08	4,680079E+08	7,758714E+08	1,075184E+09	1,266889E+09	1,266878E+09	1,075161E+09	7,758466E+08
2299	4,679850E+08	2,340888E+08	1,179771E+08	1,179805E+08	2,340936E+08	4,679854E+08	7,758532E+08	1,075188E+09	1,266917E+09	1,266912E+09	1,075180E+09	7,758482E+08
2300	4,679787E+08	2,340802E+08	1,179659E+08	1,179616E+08	2,340686E+08	4,679633E+08	7,758400E+08	1,075189E+09	1,266934E+09	1,266946E+09	1,075218E+09	7,758790E+08
2301	4,680005E+08	2,340886E+08	1,179637E+08	1,179619E+08	2,340853E+08	4,680012E+08	7,758847E+08	1,075222E+09	1,266948E+09	1,266936E+09	1,075186E+09	7,758337E+08
2302	4,679544E+08	2,340569E+08	1,179479E+08	1,179517E+08	2,340666E+08	4,679708E+08	7,758526E+08	1,075202E+09	1,266953E+09	1,266965E+09	1,075225E+09	7,758678E+08
2303	4,679745E+08	2,340647E+08	1,179473E+08	1,179443E+08	2,340597E+08	4,679743E+08	7,758703E+08	1,075222E+09	1,266959E+09	1,266958E+09	1,075224E+09	7,758787E+08
2304	4,679885E+08	2,340696E+08	1,179482E+08	1,179522E+08	2,340791E+08	4,679966E+08	7,758878E+08	1,075241E+09	1,266976E+09	1,266955E+09	1,075190E+09	7,758336E+08
2305	4,679540E+08	2,340542E+08	1,179440E+08	1,179456E+08	2,340578E+08	4,679601E+08	7,758435E+08	1,075201E+09	1,266955E+09	1,266965E+09	1,075227E+09	7,758775E+08
2306	4,679932E+08	2,340850E+08	1,179635E+08	1,179595E+08	2,340749E+08	4,679830E+08	7,758635E+08	1,075200E+09	1,266925E+09	1,266921E+09	1,075192E+09	7,758587E+08
2307	4,679862E+08	2,340860E+08	1,179737E+08	1,179791E+08	2,340966E+08	4,679894E+08	7,758496E+08	1,075175E+09	1,266901E+09	1,266900E+09	1,075170E+09	7,758407E+08
2308	4,679785E+08	2,340914E+08	1,179854E+08	1,179858E+08	2,340929E+08	4,679749E+08	7,758213E+08	1,075132E+09	1,266855E+09	1,266876E+09	1,075179E+09	7,758731E+08
2309	4,680213E+08	2,341282E+08	1,180098E+08	1,180084E+08	2,341260E+08	4,680225E+08	7,758694E+08	1,075152E+09	1,266827E+09	1,266809E+09	1,075108E+09	7,758185E+08
2310	4,679880E+08	2,341174E+08	1,180165E+08	1,180230E+08	2,341330E+08	4,680066E+08	7,758375E+08	1,075124E+09	1,266813E+09	1,266805E+09	1,075108E+09	7,758254E+08
2311	4,680030E+08	2,341361E+08	1,180315E+08	1,180287E+08	2,341296E+08	4,679978E+08	7,758268E+08	1,075112E+09	1,266799E+09	1,266796E+09	1,075112E+09	7,758432E+08
2312	4,680282E+08	2,341562E+08	1,180453E+08	1,180473E+08	2,341613E+08	4,680344E+08	7,758531E+08	1,075126E+09	1,266805E+09	1,266786E+09	1,075077E+09	7,757949E+08
2313	4,679868E+08	2,341361E+08	1,180413E+08	1,180449E+08	2,341459E+08	4,680024E+08	7,758109E+08	1,075085E+09	1,266784E+09	1,266802E+09	1,075124E+09	7,758434E+08
2314	4,680210E+08	2,341553E+08	1,180480E+08	1,180440E+08	2,341470E+08	4,680150E+08	7,758332E+08	1,075098E+09	1,266774E+09	1,266779E+09	1,075108E+09	7,758419E+08
2315	4,680217E+08	2,341496E+08	1,180429E+08	1,180474E+08	2,341595E+08	4,680282E+08	7,758452E+08	1,075117E+09	1,266797E+09	1,266788E+09	1,075096E+09	7,758166E+08
2316	4,679955E+08	2,341309E+08	1,180290E+08	1,180276E+08	2,341267E+08	4,679899E+08	7,758118E+08	1,075099E+09	1,266805E+09	1,266823E+09	1,075142E+09	7,758602E+08
2317	4,680289E+08	2,341467E+08	1,180284E+08	1,180223E+08	2,341306E+08	4,680168E+08	7,758605E+08	1,075144E+09	1,266823E+09	1,266809E+09	1,075111E+09	7,758237E+08
2318	4,679929E+08	2,341182E+08	1,180130E+08	1,180172E+08	2,341260E+08	4,679985E+08	7,758377E+08	1,075144E+09	1,266853E+09	1,266849E+09	1,075135E+09	7,758276E+08
2319	4,679856E+08	2,341075E+08	1,179998E+08	1,179966E+08	2,340999E+08	4,679763E+08	7,758207E+08	1,075135E+09	1,266860E+09	1,266876E+09	1,075173E+09	7,758637E+08
2320	4,680108E+08	2,341171E+08	1,179985E+08	1,179983E+08	2,341187E+08	4,680187E+08	7,758721E+08	1,075175E+09	1,266882E+09	1,266874E+09	1,075144E+09	7,758198E+08
2321	4,679658E+08	2,340848E+08	1,179811E+08	1,179854E+08	2,340965E+08	4,679865E+08	7,758456E+08	1,075164E+09	1,266886E+09	1,266894E+09	1,075180E+09	7,758550E+08
2322	4,679893E+08	2,340953E+08	1,179818E+08	1,179783E+08	2,340870E+08	4,679808E+08	7,758496E+08	1,075173E+09	1,266885E+09	1,266881E+09	1,075169E+09	7,758604E+08
2323	4,680042E+08	2,341057E+08	1,179884E+08	1,179911E+08	2,341101E+08	4,680039E+08	7,758630E+08	1,075185E+09	1,266898E+09	1,266879E+09	1,075143E+09	7,758213E+08
2324	4,679716E+08	2,340920E+08	1,179874E+08	1,179886E+08	2,340940E+08	4,679714E+08	7,758146E+08	1,075131E+09	1,266865E+09	1,266886E+09	1,075180E+09	7,758643E+08
2325	4,680121E+08	2,341251E+08	1,180091E+08	1,180046E+08	2,341136E+08	4,680024E+08	7,758499E+08	1,075136E+09	1,266824E+09	1,266823E+09	1,075129E+09	7,758374E+08
2326	4,679999E+08	2,341231E+08	1,180189E+08	1,180259E+08	2,341401E+08	4,680144E+08	7,758423E+08	1,075124E+09	1,266809E+09	1,266801E+09	1,075103E+09	7,758160E+08
2327	4,679916E+08	2,341273E+08	1,180279E+08	1,180291E+08	2,341309E+08	4,679933E+08	7,758101E+08	1,075085E+09	1,266773E+09	1,266783E+09	1,075112E+09	7,758479E+08
2328	4,680347E+08	2,341650E+08	1,180527E+08	1,180516E+08	2,341633E+08	4,680388E+08	7,758538E+08	1,075108E+09	1,266767E+09	1,266744E+09	1,075054E+09	7,757944E+08

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												
2329	4,679988E+08	2,341515E+08	1,180571E+08	1,180633E+08	2,341669E+08	4,680202E+08	7,758224E+08	1,075080E+09	1,266749E+09	1,266743E+09	1,075066E+09	7,758100E+08
2330	4,680161E+08	2,341694E+08	1,180709E+08	1,180684E+08	2,341628E+08	4,680064E+08	7,758003E+08	1,075053E+09	1,266720E+09	1,266725E+09	1,075069E+09	7,758311E+08
2331	4,680438E+08	2,341912E+08	1,180858E+08	1,180877E+08	2,341963E+08	4,680480E+08	7,758300E+08	1,075064E+09	1,266718E+09	1,266708E+09	1,075038E+09	7,757923E+08
2332	4,680069E+08	2,341707E+08	1,180804E+08	1,180836E+08	2,341791E+08	4,680171E+08	7,757936E+08	1,075027E+09	1,266697E+09	1,266722E+09	1,075079E+09	7,758365E+08
2333	4,680424E+08	2,341912E+08	1,180862E+08	1,180803E+08	2,341760E+08	4,680277E+08	7,758250E+08	1,075054E+09	1,266693E+09	1,266689E+09	1,075046E+09	7,758209E+08
2334	4,680349E+08	2,341824E+08	1,180805E+08	1,180843E+08	2,341905E+08	4,680395E+08	7,758302E+08	1,075075E+09	1,266730E+09	1,266713E+09	1,075037E+09	7,757901E+08
2335	4,680047E+08	2,341617E+08	1,180647E+08	1,180628E+08	2,341557E+08	4,679982E+08	7,757904E+08	1,075050E+09	1,266737E+09	1,266755E+09	1,075092E+09	7,758370E+08
2336	4,680364E+08	2,341762E+08	1,180646E+08	1,180594E+08	2,341639E+08	4,680297E+08	7,758385E+08	1,075093E+09	1,266763E+09	1,266755E+09	1,075071E+09	7,758048E+08
2337	4,679984E+08	2,341435E+08	1,180456E+08	1,180511E+08	2,341584E+08	4,680177E+08	7,758297E+08	1,075102E+09	1,266787E+09	1,266787E+09	1,075098E+09	7,758165E+08
2338	4,679958E+08	2,341326E+08	1,180308E+08	1,180292E+08	2,341293E+08	4,679910E+08	7,758117E+08	1,075093E+09	1,266787E+09	1,266800E+09	1,075126E+09	7,758511E+08
2339	4,680244E+08	2,341461E+08	1,180318E+08	1,180314E+08	2,341470E+08	4,680304E+08	7,758604E+08	1,075137E+09	1,266816E+09	1,266801E+09	1,075101E+09	7,758124E+08
2340	4,679835E+08	2,341174E+08	1,180172E+08	1,180201E+08	2,341244E+08	4,679953E+08	7,758272E+08	1,075118E+09	1,266820E+09	1,266830E+09	1,075137E+09	7,758436E+08
2341	4,680079E+08	2,341320E+08	1,180219E+08	1,180162E+08	2,341160E+08	4,679891E+08	7,758317E+08	1,075120E+09	1,266806E+09	1,266803E+09	1,075117E+09	7,758410E+08
2342	4,680171E+08	2,341413E+08	1,180312E+08	1,180343E+08	2,341477E+08	4,680178E+08	7,758402E+08	1,075126E+09	1,266814E+09	1,266798E+09	1,075089E+09	7,758010E+08
2343	4,679845E+08	2,341274E+08	1,180297E+08	1,180320E+08	2,341332E+08	4,679896E+08	7,757940E+08	1,075066E+09	1,266768E+09	1,266794E+09	1,075120E+09	7,758453E+08
2344	4,680268E+08	2,341613E+08	1,180523E+08	1,180491E+08	2,341545E+08	4,680237E+08	7,758357E+08	1,075084E+09	1,266742E+09	1,266736E+09	1,075068E+09	7,758158E+08
2345	4,680131E+08	2,341575E+08	1,180597E+08	1,180672E+08	2,341774E+08	4,680347E+08	7,758359E+08	1,075083E+09	1,266733E+09	1,266714E+09	1,075041E+09	7,757946E+08
2346	4,680059E+08	2,341627E+08	1,180688E+08	1,180699E+08	2,341644E+08	4,680034E+08	7,757900E+08	1,075035E+09	1,266697E+09	1,266701E+09	1,075051E+09	7,758244E+08
2347	4,680483E+08	2,342025E+08	1,180965E+08	1,180944E+08	2,341985E+08	4,680491E+08	7,758295E+08	1,075052E+09	1,266688E+09	1,266671E+09	1,075011E+09	7,757832E+08
2348	4,680160E+08	2,341900E+08	1,181018E+08	1,181073E+08	2,342039E+08	4,680331E+08	7,757962E+08	1,075015E+09	1,266666E+09	1,266673E+09	1,075027E+09	7,758019E+08
2349	4,680356E+08	2,342081E+08	1,181147E+08	1,181109E+08	2,341985E+08	4,680236E+08	7,757860E+08	1,074993E+09	1,266627E+09	1,266638E+09	1,075017E+09	7,758173E+08
2350	4,680598E+08	2,342265E+08	1,181275E+08	1,181298E+08	2,342337E+08	4,680669E+08	7,758192E+08	1,075016E+09	1,266637E+09	1,266623E+09	1,074982E+09	7,757745E+08
2351	4,680227E+08	2,342042E+08	1,181180E+08	1,181209E+08	2,342110E+08	4,680299E+08	7,757772E+08	1,074980E+09	1,266621E+09	1,266639E+09	1,075020E+09	7,758161E+08
2352	4,680556E+08	2,342234E+08	1,181230E+08	1,181168E+08	2,342072E+08	4,680387E+08	7,758055E+08	1,075012E+09	1,266637E+09	1,266629E+09	1,074998E+09	7,757995E+08
2353	4,680432E+08	2,342103E+08	1,181140E+08	1,181178E+08	2,342197E+08	4,680519E+08	7,758169E+08	1,075035E+09	1,266670E+09	1,266654E+09	1,074997E+09	7,757742E+08
2354	4,680127E+08	2,341871E+08	1,180965E+08	1,180956E+08	2,341841E+08	4,680070E+08	7,757687E+08	1,074999E+09	1,266667E+09	1,266689E+09	1,075050E+09	7,758223E+08
2355	4,680453E+08	2,342026E+08	1,180974E+08	1,180929E+08	2,341945E+08	4,680455E+08	7,758253E+08	1,075045E+09	1,266688E+09	1,266686E+09	1,075036E+09	7,758004E+08
2356	4,680137E+08	2,341723E+08	1,180789E+08	1,180840E+08	2,341869E+08	4,680326E+08	7,758201E+08	1,075059E+09	1,266716E+09	1,266716E+09	1,075055E+09	7,758080E+08
2357	4,680136E+08	2,341644E+08	1,180655E+08	1,180619E+08	2,341551E+08	4,680025E+08	7,758038E+08	1,075056E+09	1,266718E+09	1,266721E+09	1,075068E+09	7,758312E+08
2358	4,680376E+08	2,341783E+08	1,180691E+08	1,180679E+08	2,341768E+08	4,680395E+08	7,758420E+08	1,075095E+09	1,266752E+09	1,266730E+09	1,075045E+09	7,757891E+08
2359	4,679959E+08	2,341508E+08	1,180557E+08	1,180583E+08	2,341558E+08	4,680032E+08	7,758004E+08	1,075060E+09	1,266744E+09	1,266756E+09	1,075086E+09	7,758239E+08
2360	4,680199E+08	2,341664E+08	1,180634E+08	1,180588E+08	2,341541E+08	4,680032E+08	7,758047E+08	1,075061E+09	1,266731E+09	1,266732E+09	1,075070E+09	7,758237E+08
2361	4,680281E+08	2,341733E+08	1,180709E+08	1,180752E+08	2,341860E+08	4,680399E+08	7,758297E+08	1,075073E+09	1,266729E+09	1,266715E+09	1,075038E+09	7,757865E+08
2362	4,679985E+08	2,341596E+08	1,180689E+08	1,180726E+08	2,341693E+08	4,680069E+08	7,757813E+08	1,075015E+09	1,266682E+09	1,266701E+09	1,075058E+09	7,758250E+08
2363	4,680416E+08	2,341969E+08	1,180937E+08	1,180903E+08	2,341905E+08	4,680404E+08	7,758221E+08	1,075037E+09	1,266663E+09	1,266652E+09	1,075014E+09	7,758011E+08
2364	4,680315E+08	2,341962E+08	1,181032E+08	1,181092E+08	2,342116E+08	4,680478E+08	7,758169E+08	1,075033E+09	1,266661E+09	1,266643E+09	1,074992E+09	7,757794E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,680250E+08	2,342034E+08	1,181145E+08	1,181134E+08	2,341989E+08	4,680158E+08	7,757709E+08	1,074979E+09	1,266614E+09	1,266620E+09	1,074998E+09	7,758064E+08
2366	4,680631E+08	2,342406E+08	1,181426E+08	1,181408E+08	2,342386E+08	4,680642E+08	7,758048E+08	1,074989E+09	1,266602E+09	1,266590E+09	1,074959E+09	7,757675E+08
2367	4,680329E+08	2,342272E+08	1,181455E+08	1,181515E+08	2,342430E+08	4,680511E+08	7,757751E+08	1,074949E+09	1,266569E+09	1,266583E+09	1,074973E+09	7,757886E+08
2368	4,680532E+08	2,342442E+08	1,181568E+08	1,181538E+08	2,342366E+08	4,680412E+08	7,757687E+08	1,074941E+09	1,266548E+09	1,266553E+09	1,074959E+09	7,757983E+08
2369	4,680730E+08	2,342582E+08	1,181645E+08	1,181667E+08	2,342658E+08	4,680826E+08	7,758090E+08	1,074976E+09	1,266566E+09	1,266543E+09	1,074923E+09	7,757536E+08
2370	4,680345E+08	2,342344E+08	1,181534E+08	1,181563E+08	2,342397E+08	4,680380E+08	7,757568E+08	1,074932E+09	1,266552E+09	1,266564E+09	1,074961E+09	7,757913E+08
2371	4,680649E+08	2,342536E+08	1,181589E+08	1,181525E+08	2,342377E+08	4,680494E+08	7,757845E+08	1,074961E+09	1,266565E+09	1,266563E+09	1,074958E+09	7,757869E+08
2372	4,680552E+08	2,342405E+08	1,181497E+08	1,181532E+08	2,342506E+08	4,680662E+08	7,757997E+08	1,074986E+09	1,266602E+09	1,266592E+09	1,074960E+09	7,757651E+08
2373	4,680269E+08	2,342171E+08	1,181314E+08	1,181298E+08	2,342136E+08	4,680250E+08	7,757635E+08	1,074956E+09	1,266593E+09	1,266614E+09	1,075002E+09	7,758076E+08
2374	4,680564E+08	2,342301E+08	1,181313E+08	1,181274E+08	2,342248E+08	4,680615E+08	7,758189E+08	1,075011E+09	1,266627E+09	1,266617E+09	1,074985E+09	7,757832E+08
2375	4,680272E+08	2,342014E+08	1,181117E+08	1,181164E+08	2,342135E+08	4,680427E+08	7,758054E+08	1,075020E+09	1,266657E+09	1,266652E+09	1,075007E+09	7,757908E+08
2376	4,680264E+08	2,341951E+08	1,181006E+08	1,180967E+08	2,341837E+08	4,680097E+08	7,757809E+08	1,075014E+09	1,266668E+09	1,266667E+09	1,075026E+09	7,758134E+08
2377	4,680477E+08	2,342074E+08	1,181041E+08	1,181029E+08	2,342062E+08	4,680492E+08	7,758218E+08	1,075047E+09	1,266687E+09	1,266669E+09	1,075006E+09	7,757762E+08
2378	4,680082E+08	2,341806E+08	1,180923E+08	1,180962E+08	2,341887E+08	4,680138E+08	7,757734E+08	1,074996E+09	1,266658E+09	1,266676E+09	1,075036E+09	7,758093E+08
2379	4,680340E+08	2,341991E+08	1,181027E+08	1,180991E+08	2,341911E+08	4,680230E+08	7,757885E+08	1,074998E+09	1,266634E+09	1,266644E+09	1,075023E+09	7,758158E+08
2380	4,680478E+08	2,342097E+08	1,181122E+08	1,181160E+08	2,342214E+08	4,680591E+08	7,758188E+08	1,075022E+09	1,266642E+09	1,266625E+09	1,074981E+09	7,757721E+08
2381	4,680189E+08	2,341989E+08	1,181122E+08	1,181139E+08	2,342028E+08	4,680229E+08	7,757703E+08	1,074968E+09	1,266600E+09	1,266607E+09	1,074988E+09	7,757986E+08
2382	4,680557E+08	2,342353E+08	1,181393E+08	1,181353E+08	2,342278E+08	4,680544E+08	7,758027E+08	1,074986E+09	1,266590E+09	1,266573E+09	1,074951E+09	7,757740E+08
2383	4,680457E+08	2,342354E+08	1,181490E+08	1,181548E+08	2,342499E+08	4,680606E+08	7,757895E+08	1,074969E+09	1,266577E+09	1,266564E+09	1,074938E+09	7,757590E+08
2384	4,680389E+08	2,342415E+08	1,181607E+08	1,181608E+08	2,342410E+08	4,680328E+08	7,757456E+08	1,074918E+09	1,266535E+09	1,266543E+09	1,074949E+09	7,757905E+08
2385	4,680765E+08	2,342744E+08	1,181842E+08	1,181837E+08	2,342776E+08	4,680864E+08	7,757950E+08	1,074938E+09	1,266517E+09	1,266505E+09	1,074908E+09	7,757551E+08
2386	4,680491E+08	2,342598E+08	1,181842E+08	1,181913E+08	2,342770E+08	4,680650E+08	7,757589E+08	1,074897E+09	1,266486E+09	1,266493E+09	1,074913E+09	7,757703E+08
2387	4,680690E+08	2,342780E+08	1,181949E+08	1,181914E+08	2,342690E+08	4,680554E+08	7,757526E+08	1,074891E+09	1,266471E+09	1,266477E+09	1,074911E+09	7,757850E+08
2388	4,680899E+08	2,342930E+08	1,182028E+08	1,182029E+08	2,342942E+08	4,680924E+08	7,757901E+08	1,074927E+09	1,266499E+09	1,266478E+09	1,074879E+09	7,757386E+08
2389	4,680496E+08	2,342685E+08	1,181914E+08	1,181924E+08	2,342686E+08	4,680490E+08	7,757394E+08	1,074882E+09	1,266480E+09	1,266493E+09	1,074912E+09	7,757715E+08
2390	4,680742E+08	2,342833E+08	1,181959E+08	1,181903E+08	2,342714E+08	4,680650E+08	7,757677E+08	1,074912E+09	1,266497E+09	1,266495E+09	1,074910E+09	7,757692E+08
2391	4,680672E+08	2,342696E+08	1,181842E+08	1,181884E+08	2,342820E+08	4,680828E+08	7,757874E+08	1,074937E+09	1,266528E+09	1,266520E+09	1,074915E+09	7,757515E+08
2392	4,680399E+08	2,342459E+08	1,181652E+08	1,181645E+08	2,342438E+08	4,680384E+08	7,757529E+08	1,074924E+09	1,266538E+09	1,266547E+09	1,074954E+09	7,757910E+08
2393	4,680670E+08	2,342565E+08	1,181625E+08	1,181586E+08	2,342505E+08	4,680721E+08	7,758083E+08	1,074978E+09	1,266572E+09	1,266555E+09	1,074939E+09	7,757668E+08
2394	4,680385E+08	2,342290E+08	1,181444E+08	1,181490E+08	2,342386E+08	4,680463E+08	7,757798E+08	1,074969E+09	1,266591E+09	1,266587E+09	1,074960E+09	7,757719E+08
2395	4,680377E+08	2,342257E+08	1,181368E+08	1,181333E+08	2,342153E+08	4,680205E+08	7,757545E+08	1,074951E+09	1,266586E+09	1,266601E+09	1,074991E+09	7,758048E+08
2396	4,680632E+08	2,342409E+08	1,181429E+08	1,181414E+08	2,342395E+08	4,680645E+08	7,758011E+08	1,074986E+09	1,266603E+09	1,266594E+09	1,074964E+09	7,757677E+08
2397	4,680268E+08	2,342161E+08	1,181326E+08	1,181362E+08	2,342241E+08	4,680358E+08	7,757659E+08	1,074944E+09	1,266567E+09	1,266582E+09	1,074974E+09	7,757898E+08
2398	4,680488E+08	2,342337E+08	1,181441E+08	1,181412E+08	2,342285E+08	4,680431E+08	7,757802E+08	1,074956E+09	1,266557E+09	1,266554E+09	1,074953E+09	7,757903E+08
2399	4,680635E+08	2,342464E+08	1,181537E+08	1,181574E+08	2,342564E+08	4,680752E+08	7,758047E+08	1,074975E+09	1,266568E+09	1,266544E+09	1,074920E+09	7,757484E+08
2400	4,680329E+08	2,342362E+08	1,181561E+08	1,181581E+08	2,342396E+08	4,680355E+08	7,757504E+08	1,074923E+09	1,266536E+09	1,266537E+09	1,074935E+09	7,757753E+08

1 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°
2401	4,680656E+08	2,342687E+08	1,181810E+08	1,181780E+08	2,342641E+08	4,680686E+08	7,757830E+08	1,074934E+09	1,266516E+09	1,266503E+09	1,074905E+09	7,757586E+08
2402	4,680590E+08	2,342692E+08	1,181909E+08	1,181982E+08	2,342873E+08	4,680742E+08	7,757631E+08	1,074901E+09	1,266487E+09	1,266481E+09	1,074887E+09	7,757451E+08
2403	4,680560E+08	2,342778E+08	1,182032E+08	1,182041E+08	2,342800E+08	4,680529E+08	7,757274E+08	1,074851E+09	1,266434E+09	1,266455E+09	1,074903E+09	7,757834E+08
2404	4,680986E+08	2,343129E+08	1,182263E+08	1,182245E+08	2,343110E+08	4,681008E+08	7,757794E+08	1,074885E+09	1,266432E+09	1,266417E+09	1,074851E+09	7,757416E+08
2405	4,680708E+08	2,342993E+08	1,182262E+08	1,182309E+08	2,343088E+08	4,680781E+08	7,757428E+08	1,074846E+09	1,266403E+09	1,266401E+09	1,074844E+09	7,757441E+08
2406	4,680824E+08	2,343143E+08	1,182369E+08	1,182326E+08	2,343029E+08	4,680671E+08	7,757322E+08	1,074840E+09	1,266399E+09	1,266401E+09	1,074850E+09	7,757576E+08
2407	4,681012E+08	2,343271E+08	1,182427E+08	1,182428E+08	2,343280E+08	4,681055E+08	7,757686E+08	1,074870E+09	1,266423E+09	1,266408E+09	1,074833E+09	7,757196E+08
2408	4,680595E+08	2,342995E+08	1,182297E+08	1,182320E+08	2,343043E+08	4,680658E+08	7,757252E+08	1,074839E+09	1,266417E+09	1,266429E+09	1,074869E+09	7,757548E+08
2409	4,680812E+08	2,343081E+08	1,182281E+08	1,182244E+08	2,343028E+08	4,680849E+08	7,757659E+08	1,074879E+09	1,266437E+09	1,266432E+09	1,074869E+09	7,757567E+08
2410	4,680778E+08	2,342943E+08	1,182145E+08	1,182198E+08	2,343082E+08	4,680927E+08	7,757745E+08	1,074900E+09	1,266469E+09	1,266456E+09	1,074869E+09	7,757365E+08
2411	4,680526E+08	2,342734E+08	1,181963E+08	1,181953E+08	2,342700E+08	4,680487E+08	7,757368E+08	1,074879E+09	1,266476E+09	1,266493E+09	1,074922E+09	7,757833E+08
2412	4,680833E+08	2,342875E+08	1,181962E+08	1,181903E+08	2,342740E+08	4,680764E+08	7,757864E+08	1,074931E+09	1,266510E+09	1,266500E+09	1,074906E+09	7,757591E+08
2413	4,680558E+08	2,342620E+08	1,181805E+08	1,181836E+08	2,342666E+08	4,680552E+08	7,757564E+08	1,074910E+09	1,266510E+09	1,266512E+09	1,074913E+09	7,757569E+08
2414	4,680510E+08	2,342578E+08	1,181754E+08	1,181727E+08	2,342510E+08	4,680382E+08	7,757369E+08	1,074892E+09	1,266501E+09	1,266519E+09	1,074936E+09	7,757870E+08
2415	4,680789E+08	2,342745E+08	1,181816E+08	1,181810E+08	2,342748E+08	4,680842E+08	7,757895E+08	1,074929E+09	1,266512E+09	1,266503E+09	1,074904E+09	7,757483E+08
2416	4,680414E+08	2,342503E+08	1,181726E+08	1,181771E+08	2,342600E+08	4,680527E+08	7,757570E+08	1,074908E+09	1,266499E+09	1,266496E+09	1,074908E+09	7,757624E+08
2417	4,680583E+08	2,342652E+08	1,181824E+08	1,181804E+08	2,342620E+08	4,680591E+08	7,757712E+08	1,074919E+09	1,266495E+09	1,266480E+09	1,074894E+09	7,757640E+08
2418	4,680730E+08	2,342791E+08	1,181939E+08	1,181981E+08	2,342891E+08	4,680829E+08	7,757788E+08	1,074918E+09	1,266494E+09	1,266470E+09	1,074866E+09	7,757258E+08
2419	4,680450E+08	2,342719E+08	1,181991E+08	1,182019E+08	2,342781E+08	4,680504E+08	7,757248E+08	1,074855E+09	1,266448E+09	1,266466E+09	1,074899E+09	7,757671E+08
2420	4,680843E+08	2,343075E+08	1,182255E+08	1,182218E+08	2,343008E+08	4,680841E+08	7,757614E+08	1,074868E+09	1,266425E+09	1,266423E+09	1,074862E+09	7,757526E+08
2421	4,680819E+08	2,343096E+08	1,182354E+08	1,182416E+08	2,343244E+08	4,680933E+08	7,757484E+08	1,074840E+09	1,266389E+09	1,266383E+09	1,074826E+09	7,757285E+08
2422	4,680753E+08	2,343171E+08	1,182477E+08	1,182483E+08	2,343183E+08	4,680710E+08	7,757129E+08	1,074799E+09	1,266351E+09	1,266364E+09	1,074834E+09	7,757602E+08
2423	4,681171E+08	2,343519E+08	1,182692E+08	1,182665E+08	2,343455E+08	4,681141E+08	7,757601E+08	1,074830E+09	1,266352E+09	1,266335E+09	1,074792E+09	7,757186E+08
2424	4,680847E+08	2,343361E+08	1,182688E+08	1,182736E+08	2,343444E+08	4,680897E+08	7,757244E+08	1,074803E+09	1,266338E+09	1,266330E+09	1,074791E+09	7,757193E+08
2425	4,680893E+08	2,343440E+08	1,182746E+08	1,182719E+08	2,343379E+08	4,680832E+08	7,757182E+08	1,074795E+09	1,266333E+09	1,266336E+09	1,074806E+09	7,757396E+08
2426	4,681085E+08	2,343543E+08	1,182779E+08	1,182798E+08	2,343609E+08	4,681202E+08	7,757514E+08	1,074816E+09	1,266346E+09	1,266337E+09	1,074789E+09	7,757064E+08
2427	4,680716E+08	2,343278E+08	1,182636E+08	1,182671E+08	2,343368E+08	4,680849E+08	7,757171E+08	1,074790E+09	1,266340E+09	1,266362E+09	1,074836E+09	7,757491E+08
2428	4,680980E+08	2,343381E+08	1,182610E+08	1,182558E+08	2,343272E+08	4,680939E+08	7,757548E+08	1,074842E+09	1,266376E+09	1,266368E+09	1,074828E+09	7,757482E+08
2429	4,680962E+08	2,343268E+08	1,182483E+08	1,182511E+08	2,343324E+08	4,680996E+08	7,757560E+08	1,074854E+09	1,266403E+09	1,266386E+09	1,074817E+09	7,757175E+08
2430	4,680655E+08	2,343053E+08	1,182325E+08	1,182308E+08	2,342990E+08	4,680565E+08	7,757130E+08	1,074826E+09	1,266406E+09	1,266424E+09	1,074870E+09	7,757627E+08
2431	4,680960E+08	2,343195E+08	1,182330E+08	1,182274E+08	2,343055E+08	4,680868E+08	7,757618E+08	1,074869E+09	1,266429E+09	1,266427E+09	1,074861E+09	7,757438E+08
2432	4,680679E+08	2,342936E+08	1,182185E+08	1,182231E+08	2,343026E+08	4,680728E+08	7,757449E+08	1,074865E+09	1,266435E+09	1,266432E+09	1,074860E+09	7,757368E+08
2433	4,680589E+08	2,342849E+08	1,182100E+08	1,182095E+08	2,342852E+08	4,680596E+08	7,757361E+08	1,074857E+09	1,266432E+09	1,266441E+09	1,074880E+09	7,757654E+08
2434	4,680875E+08	2,343027E+08	1,182165E+08	1,182169E+08	2,343054E+08	4,680973E+08	7,757783E+08	1,074889E+09	1,266445E+09	1,266428E+09	1,074847E+09	7,757261E+08
2435	4,680535E+08	2,342827E+08	1,182100E+08	1,182146E+08	2,342926E+08	4,680668E+08	7,757417E+08	1,074859E+09	1,266430E+09	1,266435E+09	1,074869E+09	7,757481E+08
2436	4,680735E+08	2,343007E+08	1,182226E+08	1,182191E+08	2,342918E+08	4,680661E+08	7,757482E+08	1,074868E+09	1,266426E+09	1,266419E+09	1,074857E+09	7,757543E+08

1 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°
Years												
2437	4,680914E+08	2,343174E+08	1,182369E+08	1,182399E+08	2,343242E+08	4,680947E+08	7,757511E+08	1,074851E+09	1,266404E+09	1,266388E+09	1,074817E+09	7,757127E+08
2438	4,680630E+08	2,343110E+08	1,182448E+08	1,182481E+08	2,343192E+08	4,680697E+08	7,757037E+08	1,074786E+09	1,266349E+09	1,266374E+09	1,074840E+09	7,757532E+08
2439	4,681063E+08	2,343480E+08	1,182708E+08	1,182673E+08	2,343399E+08	4,681020E+08	7,757443E+08	1,074805E+09	1,266323E+09	1,266324E+09	1,074801E+09	7,757367E+08
2440	4,681020E+08	2,343503E+08	1,182810E+08	1,182870E+08	2,343629E+08	4,681089E+08	7,757349E+08	1,074796E+09	1,266308E+09	1,266287E+09	1,074755E+09	7,757012E+08
2441	4,680872E+08	2,343526E+08	1,182898E+08	1,182908E+08	2,343547E+08	4,680876E+08	7,757006E+08	1,074755E+09	1,266279E+09	1,266283E+09	1,074771E+09	7,757310E+08
2442	4,681248E+08	2,343850E+08	1,183100E+08	1,183079E+08	2,343799E+08	4,681243E+08	7,757360E+08	1,074773E+09	1,266274E+09	1,266259E+09	1,074737E+09	7,756945E+08
2443	4,680940E+08	2,343686E+08	1,183086E+08	1,183145E+08	2,343824E+08	4,681084E+08	7,757067E+08	1,074743E+09	1,266258E+09	1,266266E+09	1,074756E+09	7,757089E+08
2444	4,681029E+08	2,343758E+08	1,183121E+08	1,183092E+08	2,343702E+08	4,680998E+08	7,757080E+08	1,074750E+09	1,266262E+09	1,266270E+09	1,074770E+09	7,757337E+08
2445	4,681256E+08	2,343859E+08	1,183132E+08	1,183142E+08	2,343906E+08	4,681351E+08	7,757410E+08	1,074773E+09	1,266272E+09	1,266260E+09	1,074740E+09	7,756939E+08
2446	4,680874E+08	2,343594E+08	1,182989E+08	1,183015E+08	2,343658E+08	4,680972E+08	7,757050E+08	1,074752E+09	1,266278E+09	1,266294E+09	1,074784E+09	7,757334E+08
2447	4,681145E+08	2,343701E+08	1,182955E+08	1,182889E+08	2,343527E+08	4,680991E+08	7,757334E+08	1,074794E+09	1,266310E+09	1,266306E+09	1,074786E+09	7,757329E+08
2448	4,681089E+08	2,343580E+08	1,182839E+08	1,182861E+08	2,343600E+08	4,681039E+08	7,757342E+08	1,074812E+09	1,266342E+09	1,266322E+09	1,074772E+09	7,756980E+08
2449	4,680722E+08	2,343317E+08	1,182658E+08	1,182656E+08	2,343308E+08	4,680710E+08	7,756974E+08	1,074778E+09	1,266337E+09	1,266358E+09	1,074826E+09	7,757452E+08
2450	4,681029E+08	2,343453E+08	1,182662E+08	1,182624E+08	2,343371E+08	4,681009E+08	7,757443E+08	1,074812E+09	1,266345E+09	1,266348E+09	1,074811E+09	7,757279E+08
2451	4,680798E+08	2,343225E+08	1,182529E+08	1,182588E+08	2,343366E+08	4,680930E+08	7,757383E+08	1,074818E+09	1,266355E+09	1,266357E+09	1,074815E+09	7,757243E+08
2452	4,680742E+08	2,343169E+08	1,182458E+08	1,182441E+08	2,343132E+08	4,680708E+08	7,757259E+08	1,074821E+09	1,266369E+09	1,266370E+09	1,074830E+09	7,757496E+08
2453	4,681029E+08	2,343374E+08	1,182551E+08	1,182536E+08	2,343350E+08	4,681066E+08	7,757574E+08	1,074839E+09	1,266372E+09	1,266352E+09	1,074792E+09	7,757043E+08
2454	4,680670E+08	2,343195E+08	1,182529E+08	1,182569E+08	2,343285E+08	4,680790E+08	7,757177E+08	1,074800E+09	1,266351E+09	1,266360E+09	1,074816E+09	7,757298E+08
2455	4,680898E+08	2,343389E+08	1,182672E+08	1,182638E+08	2,343301E+08	4,680797E+08	7,757216E+08	1,074798E+09	1,266333E+09	1,266338E+09	1,074810E+09	7,757426E+08
2456	4,681091E+08	2,343561E+08	1,182827E+08	1,182865E+08	2,343652E+08	4,681135E+08	7,757372E+08	1,074799E+09	1,266314E+09	1,266296E+09	1,074758E+09	7,756948E+08
2457	4,680776E+08	2,343463E+08	1,182877E+08	1,182928E+08	2,343600E+08	4,680929E+08	7,756979E+08	1,074741E+09	1,266265E+09	1,266280E+09	1,074776E+09	7,757313E+08
2458	4,681196E+08	2,343831E+08	1,183126E+08	1,183096E+08	2,343761E+08	4,681161E+08	7,757266E+08	1,074752E+09	1,266241E+09	1,266235E+09	1,074737E+09	7,757135E+08
2459	4,681166E+08	2,343870E+08	1,183233E+08	1,183292E+08	2,344002E+08	4,681258E+08	7,757185E+08	1,074740E+09	1,266228E+09	1,266216E+09	1,074709E+09	7,756836E+08
2460	4,681018E+08	2,343890E+08	1,183315E+08	1,183311E+08	2,343868E+08	4,680973E+08	7,756804E+08	1,074705E+09	1,266208E+09	1,266216E+09	1,074728E+09	7,757174E+08
2461	4,681394E+08	2,344202E+08	1,183508E+08	1,183479E+08	2,344149E+08	4,681388E+08	7,757135E+08	1,074712E+09	1,266191E+09	1,266182E+09	1,074689E+09	7,756805E+08
2462	4,681093E+08	2,344032E+08	1,183492E+08	1,183552E+08	2,344191E+08	4,681277E+08	7,756928E+08	1,074689E+09	1,266175E+09	1,266184E+09	1,074703E+09	7,756958E+08
2463	4,681208E+08	2,344094E+08	1,183500E+08	1,183467E+08	2,344015E+08	4,681130E+08	7,756945E+08	1,074703E+09	1,266185E+09	1,266191E+09	1,074720E+09	7,757211E+08
2464	4,681424E+08	2,344193E+08	1,183504E+08	1,183504E+08	2,344195E+08	4,681437E+08	7,757284E+08	1,074741E+09	1,266212E+09	1,266186E+09	1,074684E+09	7,756724E+08
2465	4,680971E+08	2,343881E+08	1,183330E+08	1,183355E+08	2,343939E+08	4,681065E+08	7,756889E+08	1,074711E+09	1,266219E+09	1,266230E+09	1,074735E+09	7,757107E+08
2466	4,681203E+08	2,343970E+08	1,183292E+08	1,183229E+08	2,343804E+08	4,681039E+08	7,757050E+08	1,074736E+09	1,266237E+09	1,266241E+09	1,074743E+09	7,757161E+08
2467	4,681180E+08	2,343859E+08	1,183181E+08	1,183213E+08	2,343932E+08	4,681203E+08	7,757156E+08	1,074751E+09	1,266262E+09	1,266261E+09	1,074740E+09	7,756892E+08
2468	4,680848E+08	2,343601E+08	1,182994E+08	1,182990E+08	2,343601E+08	4,680869E+08	7,756895E+08	1,074737E+09	1,266268E+09	1,266289E+09	1,074785E+09	7,757356E+08
2469	4,681173E+08	2,343746E+08	1,182997E+08	1,182955E+08	2,343671E+08	4,681168E+08	7,757348E+08	1,074772E+09	1,266274E+09	1,266268E+09	1,074756E+09	7,757107E+08
2470	4,680944E+08	2,343546E+08	1,182892E+08	1,182943E+08	2,343677E+08	4,681082E+08	7,757281E+08	1,074780E+09	1,266293E+09	1,266284E+09	1,074758E+09	7,757052E+08
2471	4,680894E+08	2,343506E+08	1,182841E+08	1,182814E+08	2,343430E+08	4,680795E+08	7,757066E+08	1,074774E+09	1,266301E+09	1,266304E+09	1,074786E+09	7,757344E+08
2472	4,681170E+08	2,343722E+08	1,182963E+08	1,182944E+08	2,343682E+08	4,681148E+08	7,757365E+08	1,074793E+09	1,266301E+09	1,266280E+09	1,074744E+09	7,756870E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,680779E+08	2,343518E+08	1,182936E+08	1,182993E+08	2,343671E+08	4,680976E+08	7,757002E+08	1,074743E+09	1,266270E+09	1,266282E+09	1,074767E+09	7,757139E+08
2474	4,681020E+08	2,343724E+08	1,183087E+08	1,183066E+08	2,343680E+08	4,680962E+08	7,757006E+08	1,074732E+09	1,266235E+09	1,266245E+09	1,074754E+09	7,757282E+08
2475	4,681272E+08	2,343929E+08	1,183250E+08	1,183293E+08	2,344042E+08	4,681340E+08	7,757241E+08	1,074740E+09	1,266222E+09	1,266208E+09	1,074704E+09	7,756805E+08
2476	4,680977E+08	2,343855E+08	1,183308E+08	1,183341E+08	2,343936E+08	4,681056E+08	7,756827E+08	1,074696E+09	1,266190E+09	1,266196E+09	1,074715E+09	7,757114E+08
2477	4,681372E+08	2,344225E+08	1,183562E+08	1,183516E+08	2,344109E+08	4,681266E+08	7,756999E+08	1,074691E+09	1,266155E+09	1,266146E+09	1,074673E+09	7,756882E+08
2478	4,681308E+08	2,344263E+08	1,183690E+08	1,183742E+08	2,344392E+08	4,681414E+08	7,756958E+08	1,074680E+09	1,266143E+09	1,266132E+09	1,074651E+09	7,756638E+08
2479	4,681172E+08	2,344265E+08	1,183760E+08	1,183755E+08	2,344253E+08	4,681142E+08	7,756601E+08	1,074643E+09	1,266120E+09	1,266136E+09	1,074681E+09	7,757039E+08
2480	4,681539E+08	2,344548E+08	1,183928E+08	1,183902E+08	2,344514E+08	4,681561E+08	7,757049E+08	1,074671E+09	1,266114E+09	1,266099E+09	1,074635E+09	7,756633E+08
2481	4,681213E+08	2,344339E+08	1,183867E+08	1,183936E+08	2,344534E+08	4,681466E+08	7,756877E+08	1,074655E+09	1,266113E+09	1,266113E+09	1,074651E+09	7,756767E+08
2482	4,681311E+08	2,344387E+08	1,183848E+08	1,183813E+08	2,344296E+08	4,681208E+08	7,756734E+08	1,074656E+09	1,266120E+09	1,266125E+09	1,074673E+09	7,757043E+08
2483	4,681550E+08	2,344491E+08	1,183848E+08	1,183842E+08	2,344479E+08	4,681531E+08	7,757072E+08	1,074688E+09	1,266148E+09	1,266134E+09	1,074652E+09	7,756614E+08
2484	4,681103E+08	2,344177E+08	1,183668E+08	1,183683E+08	2,344199E+08	4,681127E+08	7,756673E+08	1,074664E+09	1,266155E+09	1,266171E+09	1,074700E+09	7,757017E+08
2485	4,681334E+08	2,344255E+08	1,183624E+08	1,183563E+08	2,344111E+08	4,681170E+08	7,756817E+08	1,074675E+09	1,266154E+09	1,266164E+09	1,074697E+09	7,757039E+08
2486	4,681320E+08	2,344158E+08	1,183531E+08	1,183565E+08	2,344262E+08	4,681410E+08	7,757077E+08	1,074704E+09	1,266181E+09	1,266176E+09	1,074685E+09	7,756756E+08
2487	4,681012E+08	2,343910E+08	1,183345E+08	1,183340E+08	2,343900E+08	4,681019E+08	7,756814E+08	1,074698E+09	1,266197E+09	1,266211E+09	1,074731E+09	7,757184E+08
2488	4,681304E+08	2,344059E+08	1,183362E+08	1,183314E+08	2,343961E+08	4,681274E+08	7,757260E+08	1,074745E+09	1,266217E+09	1,266195E+09	1,074696E+09	7,756847E+08
2489	4,681024E+08	2,343844E+08	1,183259E+08	1,183316E+08	2,343994E+08	4,681213E+08	7,757137E+08	1,074741E+09	1,266236E+09	1,266221E+09	1,074708E+09	7,756804E+08
2490	4,680954E+08	2,343803E+08	1,183220E+08	1,183203E+08	2,343758E+08	4,680883E+08	7,756785E+08	1,074713E+09	1,266224E+09	1,266235E+09	1,074742E+09	7,757198E+08
2491	4,681300E+08	2,344049E+08	1,183362E+08	1,183355E+08	2,344059E+08	4,681334E+08	7,757165E+08	1,074728E+09	1,266215E+09	1,266210E+09	1,074707E+09	7,756803E+08
2492	4,680965E+08	2,343870E+08	1,183343E+08	1,183396E+08	2,344014E+08	4,681137E+08	7,756873E+08	1,074693E+09	1,266187E+09	1,266199E+09	1,074717E+09	7,757045E+08
2493	4,681227E+08	2,344099E+08	1,183502E+08	1,183475E+08	2,344040E+08	4,681119E+08	7,756810E+08	1,074675E+09	1,266146E+09	1,266151E+09	1,074690E+09	7,757101E+08
2494	4,681474E+08	2,344335E+08	1,183696E+08	1,183724E+08	2,344408E+08	4,681504E+08	7,757062E+08	1,074685E+09	1,266138E+09	1,266117E+09	1,074637E+09	7,756585E+08
2495	4,681160E+08	2,344259E+08	1,183764E+08	1,183784E+08	2,344290E+08	4,681165E+08	7,756590E+08	1,074638E+09	1,266108E+09	1,266115E+09	1,074659E+09	7,756905E+08
2496	4,681511E+08	2,344606E+08	1,184020E+08	1,183972E+08	2,344488E+08	4,681395E+08	7,756803E+08	1,074641E+09	1,266077E+09	1,266063E+09	1,074615E+09	7,756654E+08
2497	4,681411E+08	2,344602E+08	1,184119E+08	1,184188E+08	2,344801E+08	4,681635E+08	7,756818E+08	1,074626E+09	1,266063E+09	1,266052E+09	1,074598E+09	7,756444E+08
2498	4,681272E+08	2,344585E+08	1,184161E+08	1,184169E+08	2,344617E+08	4,681315E+08	7,756447E+08	1,074587E+09	1,266033E+09	1,266053E+09	1,074630E+09	7,756904E+08
2499	4,681697E+08	2,344876E+08	1,184310E+08	1,184287E+08	2,344851E+08	4,681732E+08	7,756928E+08	1,074623E+09	1,266041E+09	1,266029E+09	1,074590E+09	7,756519E+08
2500	4,681390E+08	2,344672E+08	1,184232E+08	1,184283E+08	2,344798E+08	4,681539E+08	7,756706E+08	1,074615E+09	1,266054E+09	1,266049E+09	1,074605E+09	7,756623E+08
2501	4,681462E+08	2,344708E+08	1,184203E+08	1,184156E+08	2,344580E+08	4,681267E+08	7,756434E+08	1,074596E+09	1,266046E+09	1,266055E+09	1,074624E+09	7,756868E+08
2502	4,681681E+08	2,344813E+08	1,184217E+08	1,184204E+08	2,344793E+08	4,681654E+08	7,756843E+08	1,074630E+09	1,266069E+09	1,266059E+09	1,074604E+09	7,756481E+08
2503	4,681244E+08	2,344483E+08	1,184031E+08	1,184048E+08	2,344520E+08	4,681283E+08	7,756522E+08	1,074612E+09	1,266077E+09	1,266097E+09	1,074655E+09	7,756892E+08
2504	4,681460E+08	2,344543E+08	1,183974E+08	1,183919E+08	2,344422E+08	4,681345E+08	7,756805E+08	1,074645E+09	1,266086E+09	1,266084E+09	1,074640E+09	7,756835E+08
2505	4,681414E+08	2,344424E+08	1,183858E+08	1,183905E+08	2,344572E+08	4,681606E+08	7,757073E+08	1,074679E+09	1,266129E+09	1,266110E+09	1,074632E+09	7,756521E+08
2506	4,681080E+08	2,344176E+08	1,183671E+08	1,183666E+08	2,344168E+08	4,681114E+08	7,756657E+08	1,074658E+09	1,266141E+09	1,266152E+09	1,074686E+09	7,756999E+08
2507	4,681405E+08	2,344343E+08	1,183703E+08	1,183656E+08	2,344243E+08	4,681368E+08	7,757055E+08	1,074695E+09	1,266159E+09	1,266149E+09	1,074666E+09	7,756744E+08
2508	4,681165E+08	2,344156E+08	1,183621E+08	1,183669E+08	2,344276E+08	4,681285E+08	7,756899E+08	1,074691E+09	1,266171E+09	1,266163E+09	1,074674E+09	7,756738E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2509	4,681124E+08	2,344133E+08	1,183600E+08	1,183588E+08	2,344104E+08	4,681013E+08	7,756484E+08	1,074640E+09	1,266129E+09	1,266150E+09	1,074692E+09	7,757097E+08
2510	4,681506E+08	2,344424E+08	1,183782E+08	1,183771E+08	2,344422E+08	4,681520E+08	7,757007E+08	1,074667E+09	1,266117E+09	1,266109E+09	1,074644E+09	7,756678E+08
2511	4,681196E+08	2,344272E+08	1,183786E+08	1,183832E+08	2,344375E+08	4,681289E+08	7,756710E+08	1,074639E+09	1,266097E+09	1,266101E+09	1,074650E+09	7,756838E+08
2512	4,681410E+08	2,344501E+08	1,183960E+08	1,183922E+08	2,344398E+08	4,681249E+08	7,756654E+08	1,074628E+09	1,266064E+09	1,266056E+09	1,074616E+09	7,756780E+08
2513	4,681581E+08	2,344710E+08	1,184152E+08	1,184185E+08	2,344807E+08	4,681689E+08	7,756892E+08	1,074633E+09	1,266061E+09	1,266035E+09	1,074574E+09	7,756277E+08
2514	4,681228E+08	2,344611E+08	1,184211E+08	1,184243E+08	2,344691E+08	4,681325E+08	7,756342E+08	1,074572E+09	1,266019E+09	1,266034E+09	1,074606E+09	7,756705E+08
2515	4,681624E+08	2,344945E+08	1,184448E+08	1,184418E+08	2,344900E+08	4,681628E+08	7,756656E+08	1,074581E+09	1,265995E+09	1,265993E+09	1,074572E+09	7,756539E+08
2516	4,681575E+08	2,344944E+08	1,184521E+08	1,184592E+08	2,345145E+08	4,681812E+08	7,756739E+08	1,074586E+09	1,265993E+09	1,265979E+09	1,074551E+09	7,756343E+08
2517	4,681457E+08	2,344925E+08	1,184540E+08	1,184547E+08	2,344945E+08	4,681444E+08	7,756252E+08	1,074537E+09	1,265959E+09	1,265974E+09	1,074577E+09	7,756760E+08
2518	4,681884E+08	2,345234E+08	1,184698E+08	1,184658E+08	2,345149E+08	4,681844E+08	7,756751E+08	1,074574E+09	1,265969E+09	1,265954E+09	1,074540E+09	7,756387E+08
2519	4,681573E+08	2,345024E+08	1,184621E+08	1,184656E+08	2,345085E+08	4,681600E+08	7,756460E+08	1,074561E+09	1,265981E+09	1,265982E+09	1,074563E+09	7,756487E+08
2520	4,681600E+08	2,345029E+08	1,184579E+08	1,184530E+08	2,344890E+08	4,681374E+08	7,756250E+08	1,074547E+09	1,265971E+09	1,265980E+09	1,074573E+09	7,756674E+08
2521	4,681772E+08	2,345094E+08	1,184567E+08	1,184571E+08	2,345136E+08	4,681865E+08	7,756749E+08	1,074582E+09	1,265996E+09	1,265987E+09	1,074554E+09	7,756276E+08
2522	4,681317E+08	2,344745E+08	1,184357E+08	1,184386E+08	2,344822E+08	4,681447E+08	7,756433E+08	1,074569E+09	1,266004E+09	1,266021E+09	1,074604E+09	7,756720E+08
2523	4,681570E+08	2,344810E+08	1,184291E+08	1,184246E+08	2,344711E+08	4,681499E+08	7,756728E+08	1,074611E+09	1,266034E+09	1,266027E+09	1,074596E+09	7,756669E+08
2524	4,681536E+08	2,344711E+08	1,184181E+08	1,184214E+08	2,344805E+08	4,681662E+08	7,756924E+08	1,074646E+09	1,266082E+09	1,266058E+09	1,074591E+09	7,756365E+08
2525	4,681201E+08	2,344471E+08	1,184010E+08	1,184003E+08	2,344448E+08	4,681167E+08	7,756359E+08	1,074600E+09	1,266070E+09	1,266089E+09	1,074645E+09	7,756860E+08
2526	4,681549E+08	2,344674E+08	1,184084E+08	1,184031E+08	2,344561E+08	4,681489E+08	7,756813E+08	1,074632E+09	1,266075E+09	1,266072E+09	1,074623E+09	7,756667E+08
2527	4,681351E+08	2,344506E+08	1,184023E+08	1,184070E+08	2,344615E+08	4,681429E+08	7,756701E+08	1,074628E+09	1,266081E+09	1,266081E+09	1,074627E+09	7,756638E+08
2528	4,681312E+08	2,344493E+08	1,184016E+08	1,184006E+08	2,344461E+08	4,681195E+08	7,756405E+08	1,074594E+09	1,266043E+09	1,266054E+09	1,074626E+09	7,756880E+08
2529	4,681659E+08	2,344781E+08	1,184198E+08	1,184195E+08	2,344798E+08	4,681723E+08	7,756910E+08	1,074623E+09	1,266043E+09	1,266023E+09	1,074578E+09	7,756392E+08
2530	4,681301E+08	2,344626E+08	1,184207E+08	1,184255E+08	2,344731E+08	4,681429E+08	7,756520E+08	1,074585E+09	1,266018E+09	1,266020E+09	1,074590E+09	7,756583E+08
2531	4,681524E+08	2,344853E+08	1,184388E+08	1,184359E+08	2,344775E+08	4,681408E+08	7,756454E+08	1,074572E+09	1,265991E+09	1,265989E+09	1,074568E+09	7,756585E+08
2532	4,681705E+08	2,345060E+08	1,184575E+08	1,184609E+08	2,345167E+08	4,681835E+08	7,756701E+08	1,074579E+09	1,265986E+09	1,265965E+09	1,074530E+09	7,756149E+08
2533	4,681382E+08	2,344958E+08	1,184624E+08	1,184669E+08	2,345080E+08	4,681508E+08	7,756126E+08	1,074505E+09	1,265925E+09	1,265948E+09	1,074555E+09	7,756586E+08
2534	4,681821E+08	2,345319E+08	1,184870E+08	1,184835E+08	2,345259E+08	4,681816E+08	7,756543E+08	1,074529E+09	1,265906E+09	1,265900E+09	1,074516E+09	7,756441E+08
2535	4,681803E+08	2,345335E+08	1,184946E+08	1,185002E+08	2,345469E+08	4,681918E+08	7,756557E+08	1,074537E+09	1,265918E+09	1,265898E+09	1,074496E+09	7,756187E+08
2536	4,681649E+08	2,345307E+08	1,184961E+08	1,184951E+08	2,345258E+08	4,681532E+08	7,756065E+08	1,074488E+09	1,265885E+09	1,265894E+09	1,074516E+09	7,756505E+08
2537	4,681997E+08	2,345573E+08	1,185100E+08	1,185062E+08	2,345490E+08	4,681969E+08	7,756540E+08	1,074520E+09	1,265897E+09	1,265884E+09	1,074488E+09	7,756138E+08
2538	4,681640E+08	2,345329E+08	1,184998E+08	1,185042E+08	2,345426E+08	4,681737E+08	7,756239E+08	1,074500E+09	1,265898E+09	1,265907E+09	1,074516E+09	7,756318E+08
2539	4,681695E+08	2,345308E+08	1,184927E+08	1,184895E+08	2,345229E+08	4,681577E+08	7,756150E+08	1,074498E+09	1,265901E+09	1,265917E+09	1,074532E+09	7,756538E+08
2540	4,681889E+08	2,345368E+08	1,184888E+08	1,184892E+08	2,345412E+08	4,682018E+08	7,756724E+08	1,074554E+09	1,265942E+09	1,265925E+09	1,074512E+09	7,756153E+08
2541	4,681450E+08	2,345020E+08	1,184663E+08	1,184695E+08	2,345095E+08	4,681552E+08	7,756273E+08	1,074527E+09	1,265944E+09	1,265958E+09	1,074558E+09	7,756557E+08
2542	4,681702E+08	2,345107E+08	1,184621E+08	1,184562E+08	2,344962E+08	4,681586E+08	7,756573E+08	1,074569E+09	1,265973E+09	1,265965E+09	1,074556E+09	7,756560E+08
2543	4,681688E+08	2,345029E+08	1,184541E+08	1,184563E+08	2,345070E+08	4,681705E+08	7,756681E+08	1,074595E+09	1,266017E+09	1,265999E+09	1,074556E+09	7,756270E+08
2544	4,681347E+08	2,344792E+08	1,184384E+08	1,184379E+08	2,344760E+08	4,681278E+08	7,756160E+08	1,074543E+09	1,265988E+09	1,266011E+09	1,074596E+09	7,756702E+08

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°
2545	4,681677E+08	2,344991E+08	1,184468E+08	1,184431E+08	2,344923E+08	4,681688E+08	7,756687E+08	1,074576E+09	1,265988E+09	1,265988E+09	1,074569E+09	7,756474E+08
2546	4,681475E+08	2,344834E+08	1,184411E+08	1,184467E+08	2,344965E+08	4,681603E+08	7,756573E+08	1,074574E+09	1,265990E+09	1,265987E+09	1,074565E+09	7,756439E+08
2547	4,681460E+08	2,344837E+08	1,184415E+08	1,184412E+08	2,344819E+08	4,681371E+08	7,756276E+08	1,074548E+09	1,265973E+09	1,265978E+09	1,074565E+09	7,756633E+08
2548	4,681789E+08	2,345134E+08	1,184605E+08	1,184595E+08	2,345122E+08	4,681838E+08	7,756751E+08	1,074579E+09	1,265977E+09	1,265952E+09	1,074522E+09	7,756159E+08
2549	4,681423E+08	2,344977E+08	1,184622E+08	1,184680E+08	2,345106E+08	4,681551E+08	7,756243E+08	1,074520E+09	1,265933E+09	1,265940E+09	1,074536E+09	7,756376E+08
2550	4,681659E+08	2,345222E+08	1,184826E+08	1,184801E+08	2,345165E+08	4,681597E+08	7,756277E+08	1,074511E+09	1,265901E+09	1,265903E+09	1,074519E+09	7,756478E+08
2551	4,681889E+08	2,345444E+08	1,185024E+08	1,185058E+08	2,345547E+08	4,682006E+08	7,756549E+08	1,074523E+09	1,265899E+09	1,265882E+09	1,074482E+09	7,756051E+08
2552	4,681589E+08	2,345347E+08	1,185066E+08	1,185107E+08	2,345447E+08	4,681685E+08	7,756045E+08	1,074460E+09	1,265843E+09	1,265858E+09	1,074494E+09	7,756394E+08
2553	4,681994E+08	2,345698E+08	1,185299E+08	1,185262E+08	2,345619E+08	4,681974E+08	7,756404E+08	1,074483E+09	1,265835E+09	1,265824E+09	1,074459E+09	7,756202E+08
2554	4,681933E+08	2,345697E+08	1,185357E+08	1,185403E+08	2,345792E+08	4,682007E+08	7,756313E+08	1,074479E+09	1,265840E+09	1,265825E+09	1,074447E+09	7,756006E+08
2555	4,681781E+08	2,345645E+08	1,185358E+08	1,185351E+08	2,345601E+08	4,681653E+08	7,755821E+08	1,074431E+09	1,265815E+09	1,265833E+09	1,074474E+09	7,756350E+08
2556	4,682114E+08	2,345880E+08	1,185464E+08	1,185429E+08	2,345806E+08	4,682090E+08	7,756345E+08	1,074467E+09	1,265824E+09	1,265817E+09	1,074447E+09	7,756021E+08
2557	4,681765E+08	2,345612E+08	1,185336E+08	1,185396E+08	2,345761E+08	4,681902E+08	7,756079E+08	1,074443E+09	1,265812E+09	1,265826E+09	1,074467E+09	7,756182E+08
2558	4,681840E+08	2,345608E+08	1,185265E+08	1,185230E+08	2,345525E+08	4,681750E+08	7,756114E+08	1,074461E+09	1,265827E+09	1,265834E+09	1,074481E+09	7,756413E+08
2559	4,682041E+08	2,345679E+08	1,185233E+08	1,185223E+08	2,345667E+08	4,682092E+08	7,756587E+08	1,074518E+09	1,265884E+09	1,265862E+09	1,074466E+09	7,755995E+08
2560	4,681588E+08	2,345335E+08	1,185016E+08	1,185033E+08	2,345357E+08	4,681630E+08	7,756132E+08	1,074487E+09	1,265883E+09	1,265893E+09	1,074508E+09	7,756331E+08
2561	4,681786E+08	2,345402E+08	1,184978E+08	1,184924E+08	2,345269E+08	4,681691E+08	7,756370E+08	1,074519E+09	1,265907E+09	1,265904E+09	1,074513E+09	7,756356E+08
2562	4,681759E+08	2,345315E+08	1,184895E+08	1,184926E+08	2,345389E+08	4,681829E+08	7,756464E+08	1,074536E+09	1,265934E+09	1,265926E+09	1,074514E+09	7,756149E+08
2563	4,681469E+08	2,345084E+08	1,184742E+08	1,184754E+08	2,345110E+08	4,681474E+08	7,756050E+08	1,074494E+09	1,265914E+09	1,265940E+09	1,074549E+09	7,756564E+08
2564	4,681817E+08	2,345296E+08	1,184822E+08	1,184787E+08	2,345231E+08	4,681831E+08	7,756608E+08	1,074539E+09	1,265922E+09	1,265915E+09	1,074518E+09	7,756318E+08
2565	4,681626E+08	2,345156E+08	1,184774E+08	1,184835E+08	2,345293E+08	4,681731E+08	7,756390E+08	1,074523E+09	1,265914E+09	1,265908E+09	1,074508E+09	7,756230E+08
2566	4,681608E+08	2,345196E+08	1,184817E+08	1,184804E+08	2,345142E+08	4,681499E+08	7,756119E+08	1,074498E+09	1,265895E+09	1,265899E+09	1,074515E+09	7,756468E+08
2567	4,681938E+08	2,345509E+08	1,185041E+08	1,185021E+08	2,345465E+08	4,681928E+08	7,756502E+08	1,074521E+09	1,265899E+09	1,265880E+09	1,074477E+09	7,756024E+08
2568	4,681592E+08	2,345360E+08	1,185071E+08	1,185128E+08	2,345494E+08	4,681727E+08	7,756067E+08	1,074459E+09	1,265842E+09	1,265852E+09	1,074479E+09	7,756190E+08
2569	4,681810E+08	2,345595E+08	1,185273E+08	1,185259E+08	2,345576E+08	4,681818E+08	7,756160E+08	1,074455E+09	1,265811E+09	1,265815E+09	1,074462E+09	7,756282E+08
2570	4,682042E+08	2,345821E+08	1,185461E+08	1,185496E+08	2,345922E+08	4,682168E+08	7,756393E+08	1,074468E+09	1,265809E+09	1,265789E+09	1,074422E+09	7,755885E+08
2571	4,681770E+08	2,345731E+08	1,185502E+08	1,185541E+08	2,345814E+08	4,681825E+08	7,755844E+08	1,074408E+09	1,265772E+09	1,265783E+09	1,074436E+09	7,756184E+08
2572	4,682145E+08	2,346065E+08	1,185718E+08	1,185671E+08	2,345946E+08	4,682058E+08	7,756172E+08	1,074430E+09	1,265764E+09	1,265755E+09	1,074410E+09	7,756016E+08
2573	4,682063E+08	2,346039E+08	1,185758E+08	1,185811E+08	2,346155E+08	4,682121E+08	7,756009E+08	1,074408E+09	1,265747E+09	1,265743E+09	1,074396E+09	7,755828E+08
2574	4,681909E+08	2,345980E+08	1,185751E+08	1,185745E+08	2,345958E+08	4,681844E+08	7,755679E+08	1,074374E+09	1,265724E+09	1,265746E+09	1,074425E+09	7,756238E+08
2575	4,682258E+08	2,346202E+08	1,185845E+08	1,185809E+08	2,346134E+08	4,682252E+08	7,756259E+08	1,074424E+09	1,265748E+09	1,265739E+09	1,074399E+09	7,755907E+08
2576	4,681926E+08	2,345928E+08	1,185692E+08	1,185747E+08	2,346063E+08	4,682069E+08	7,756059E+08	1,074412E+09	1,265748E+09	1,265749E+09	1,074409E+09	7,755963E+08
2577	4,681945E+08	2,345902E+08	1,185608E+08	1,185571E+08	2,345815E+08	4,681888E+08	7,756041E+08	1,074431E+09	1,265777E+09	1,265777E+09	1,074433E+09	7,756175E+08
2578	4,682110E+08	2,345958E+08	1,185566E+08	1,185548E+08	2,345927E+08	4,682156E+08	7,756391E+08	1,074474E+09	1,265824E+09	1,265805E+09	1,074429E+09	7,755854E+08
2579	4,681685E+08	2,345610E+08	1,185350E+08	1,185373E+08	2,345650E+08	4,681721E+08	7,755900E+08	1,074439E+09	1,265827E+09	1,265843E+09	1,074474E+09	7,756214E+08
2580	4,681887E+08	2,345669E+08	1,185302E+08	1,185253E+08	2,345557E+08	4,681795E+08	7,756177E+08	1,074468E+09	1,265839E+09	1,265844E+09	1,074478E+09	7,756280E+08

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												
2581	4,681898E+08	2,345592E+08	1,185221E+08	1,185264E+08	2,345701E+08	4,681965E+08	7,756279E+08	1,074477E+09	1,265846E+09	1,265842E+09	1,074464E+09	7,756031E+08
2582	4,681640E+08	2,345408E+08	1,185100E+08	1,185107E+08	2,345418E+08	4,681634E+08	7,755970E+08	1,074452E+09	1,265833E+09	1,265849E+09	1,074492E+09	7,756427E+08
2583	4,681991E+08	2,345654E+08	1,185219E+08	1,185169E+08	2,345531E+08	4,681910E+08	7,756419E+08	1,074494E+09	1,265852E+09	1,265838E+09	1,074462E+09	7,756130E+08
2584	4,681788E+08	2,345530E+08	1,185197E+08	1,185245E+08	2,345631E+08	4,681859E+08	7,756220E+08	1,074471E+09	1,265835E+09	1,265826E+09	1,074447E+09	7,755959E+08
2585	4,681710E+08	2,345558E+08	1,185260E+08	1,185252E+08	2,345537E+08	4,681673E+08	7,755931E+08	1,074442E+09	1,265814E+09	1,265822E+09	1,074461E+09	7,756221E+08
2586	4,682026E+08	2,345857E+08	1,185475E+08	1,185464E+08	2,345859E+08	4,682111E+08	7,756310E+08	1,074458E+09	1,265806E+09	1,265795E+09	1,074427E+09	7,755892E+08
2587	4,681751E+08	2,345721E+08	1,185506E+08	1,185576E+08	2,345903E+08	4,681944E+08	7,755946E+08	1,074411E+09	1,265767E+09	1,265774E+09	1,074426E+09	7,756042E+08
2588	4,681982E+08	2,345956E+08	1,185689E+08	1,185675E+08	2,345930E+08	4,681961E+08	7,756016E+08	1,074411E+09	1,265740E+09	1,265738E+09	1,074410E+09	7,756135E+08
2589	4,682219E+08	2,346182E+08	1,185870E+08	1,185904E+08	2,346268E+08	4,682275E+08	7,756143E+08	1,074408E+09	1,265725E+09	1,265707E+09	1,074367E+09	7,755713E+08
2590	4,681948E+08	2,346115E+08	1,185930E+08	1,185956E+08	2,346155E+08	4,681951E+08	7,755649E+08	1,074352E+09	1,265683E+09	1,265698E+09	1,074387E+09	7,756057E+08
2591	4,682310E+08	2,346438E+08	1,186147E+08	1,186090E+08	2,346288E+08	4,682143E+08	7,755888E+08	1,074367E+09	1,265679E+09	1,265677E+09	1,074364E+09	7,755896E+08
2592	4,682231E+08	2,346395E+08	1,186170E+08	1,186218E+08	2,346519E+08	4,682319E+08	7,755878E+08	1,074349E+09	1,265656E+09	1,265653E+09	1,074337E+09	7,755627E+08
2593	4,682035E+08	2,346307E+08	1,186141E+08	1,186142E+08	2,346319E+08	4,682063E+08	7,755634E+08	1,074331E+09	1,265647E+09	1,265663E+09	1,074367E+09	7,755996E+08
2594	4,682351E+08	2,346501E+08	1,186200E+08	1,186163E+08	2,346436E+08	4,682390E+08	7,756161E+08	1,074387E+09	1,265682E+09	1,265664E+09	1,074346E+09	7,755719E+08
2595	4,682045E+08	2,346227E+08	1,186040E+08	1,186092E+08	2,346351E+08	4,682175E+08	7,755907E+08	1,074380E+09	1,265705E+09	1,265696E+09	1,074363E+09	7,755754E+08
2596	4,682027E+08	2,346173E+08	1,185933E+08	1,185892E+08	2,346070E+08	4,681937E+08	7,755834E+08	1,074391E+09	1,265727E+09	1,265730E+09	1,074400E+09	7,756041E+08
2597	4,682198E+08	2,346214E+08	1,185883E+08	1,185875E+08	2,346212E+08	4,682226E+08	7,756105E+08	1,074412E+09	1,265747E+09	1,265741E+09	1,074393E+09	7,755765E+08
2598	4,681817E+08	2,345897E+08	1,185688E+08	1,185710E+08	2,345949E+08	4,681877E+08	7,755766E+08	1,074386E+09	1,265742E+09	1,265765E+09	1,074436E+09	7,756174E+08
2599	4,682054E+08	2,345978E+08	1,185658E+08	1,185605E+08	2,345852E+08	4,681911E+08	7,756025E+08	1,074422E+09	1,265764E+09	1,265768E+09	1,074433E+09	7,756200E+08
2600	4,682093E+08	2,345931E+08	1,185590E+08	1,185620E+08	2,346008E+08	4,682126E+08	7,756192E+08	1,074434E+09	1,265771E+09	1,265758E+09	1,074402E+09	7,755806E+08
2601	4,681777E+08	2,345748E+08	1,185491E+08	1,185492E+08	2,345749E+08	4,681790E+08	7,755855E+08	1,074411E+09	1,265768E+09	1,265777E+09	1,074434E+09	7,756145E+08
2602	4,682075E+08	2,345983E+08	1,185617E+08	1,185566E+08	2,345864E+08	4,682022E+08	7,756213E+08	1,074443E+09	1,265778E+09	1,265765E+09	1,074413E+09	7,755945E+08
2603	4,681904E+08	2,345866E+08	1,185611E+08	1,185670E+08	2,346011E+08	4,682012E+08	7,755991E+08	1,074418E+09	1,265767E+09	1,265757E+09	1,074398E+09	7,755781E+08
2604	4,681819E+08	2,345880E+08	1,185664E+08	1,185670E+08	2,345912E+08	4,681856E+08	7,755776E+08	1,074387E+09	1,265734E+09	1,265747E+09	1,074416E+09	7,756108E+08
2605	4,682182E+08	2,346187E+08	1,185876E+08	1,185880E+08	2,346233E+08	4,682287E+08	7,756136E+08	1,074396E+09	1,265709E+09	1,265700E+09	1,074370E+09	7,755760E+08
2606	4,681953E+08	2,346105E+08	1,185933E+08	1,185995E+08	2,346256E+08	4,682108E+08	7,755817E+08	1,074360E+09	1,265677E+09	1,265679E+09	1,074367E+09	7,755908E+08
2607	4,682190E+08	2,346368E+08	1,186144E+08	1,186110E+08	2,346269E+08	4,682035E+08	7,755746E+08	1,074354E+09	1,265662E+09	1,265658E+09	1,074354E+09	7,755969E+08
2608	4,682419E+08	2,346595E+08	1,186328E+08	1,186343E+08	2,346628E+08	4,682403E+08	7,755902E+08	1,074343E+09	1,265634E+09	1,265617E+09	1,074303E+09	7,755460E+08
2609	4,682078E+08	2,346496E+08	1,186385E+08	1,186414E+08	2,346561E+08	4,682139E+08	7,755458E+08	1,074292E+09	1,265596E+09	1,265612E+09	1,074327E+09	7,755796E+08
2610	4,682401E+08	2,346774E+08	1,186563E+08	1,186516E+08	2,346671E+08	4,682340E+08	7,755744E+08	1,074311E+09	1,265590E+09	1,265589E+09	1,074309E+09	7,755730E+08
2611	4,682365E+08	2,346716E+08	1,186559E+08	1,186617E+08	2,346881E+08	4,682524E+08	7,755808E+08	1,074315E+09	1,265596E+09	1,265582E+09	1,074283E+09	7,755428E+08
2612	4,682140E+08	2,346594E+08	1,186485E+08	1,186487E+08	2,346614E+08	4,682205E+08	7,755563E+08	1,074303E+09	1,265599E+09	1,265608E+09	1,074324E+09	7,755834E+08
2613	4,682454E+08	2,346768E+08	1,186520E+08	1,186483E+08	2,346699E+08	4,682464E+08	7,755958E+08	1,074341E+09	1,265622E+09	1,265607E+09	1,074307E+09	7,755591E+08
2614	4,682176E+08	2,346522E+08	1,186375E+08	1,186414E+08	2,346607E+08	4,682248E+08	7,755716E+08	1,074334E+09	1,265640E+09	1,265638E+09	1,074333E+09	7,755706E+08
2615	4,682173E+08	2,346472E+08	1,186279E+08	1,186231E+08	2,346340E+08	4,681978E+08	7,755533E+08	1,074334E+09	1,265659E+09	1,265671E+09	1,074369E+09	7,756014E+08
2616	4,682378E+08	2,346522E+08	1,186229E+08	1,186213E+08	2,346507E+08	4,682379E+08	7,755946E+08	1,074353E+09	1,265660E+09	1,265659E+09	1,074343E+09	7,755634E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,681971E+08	2,346209E+08	1,186048E+08	1,186073E+08	2,346274E+08	4,682066E+08	7,755703E+08	1,074343E+09	1,265663E+09	1,265680E+09	1,074375E+09	7,755947E+08
2618	4,682173E+08	2,346286E+08	1,186013E+08	1,185960E+08	2,346153E+08	4,682041E+08	7,755890E+08	1,074378E+09	1,265690E+09	1,265685E+09	1,074373E+09	7,755990E+08
2619	4,682226E+08	2,346258E+08	1,185969E+08	1,185998E+08	2,346332E+08	4,682259E+08	7,756029E+08	1,074397E+09	1,265718E+09	1,265692E+09	1,074345E+09	7,755541E+08
2620	4,681854E+08	2,346052E+08	1,185866E+08	1,185875E+08	2,346077E+08	4,681912E+08	7,755667E+08	1,074365E+09	1,265705E+09	1,265716E+09	1,074389E+09	7,755937E+08
2621	4,682144E+08	2,346264E+08	1,185989E+08	1,185959E+08	2,346216E+08	4,682163E+08	7,755968E+08	1,074379E+09	1,265693E+09	1,265687E+09	1,074366E+09	7,755804E+08
2622	4,682045E+08	2,346198E+08	1,186011E+08	1,186076E+08	2,346374E+08	4,682221E+08	7,755896E+08	1,074366E+09	1,265677E+09	1,265672E+09	1,074353E+09	7,755710E+08
2623	4,682010E+08	2,346244E+08	1,186084E+08	1,186087E+08	2,346256E+08	4,681983E+08	7,755598E+08	1,074338E+09	1,265655E+09	1,265665E+09	1,074366E+09	7,756024E+08
2624	4,682420E+08	2,346588E+08	1,186310E+08	1,186294E+08	2,346573E+08	4,682442E+08	7,755978E+08	1,074343E+09	1,265625E+09	1,265610E+09	1,074306E+09	7,755552E+08
2625	4,682145E+08	2,346518E+08	1,186395E+08	1,186443E+08	2,346625E+08	4,682254E+08	7,755628E+08	1,074306E+09	1,265597E+09	1,265596E+09	1,074305E+09	7,755641E+08
2626	4,682328E+08	2,346756E+08	1,186595E+08	1,186557E+08	2,346639E+08	4,682147E+08	7,755462E+08	1,074289E+09	1,265573E+09	1,265574E+09	1,074300E+09	7,755784E+08
2627	4,682568E+08	2,346967E+08	1,186774E+08	1,186796E+08	2,347031E+08	4,682575E+08	7,755660E+08	1,074285E+09	1,265557E+09	1,265538E+09	1,074248E+09	7,755250E+08
2628	4,682189E+08	2,346822E+08	1,186789E+08	1,186833E+08	2,346942E+08	4,682350E+08	7,755345E+08	1,074241E+09	1,265516E+09	1,265534E+09	1,074276E+09	7,755624E+08
2629	4,682512E+08	2,347064E+08	1,186929E+08	1,186898E+08	2,347013E+08	4,682514E+08	7,755628E+08	1,074262E+09	1,265508E+09	1,265503E+09	1,074252E+09	7,755562E+08
2630	4,682519E+08	2,347045E+08	1,186930E+08	1,186980E+08	2,347183E+08	4,682669E+08	7,755725E+08	1,074278E+09	1,265528E+09	1,265509E+09	1,074237E+09	7,755297E+08
2631	4,682296E+08	2,346929E+08	1,186861E+08	1,186847E+08	2,346884E+08	4,682248E+08	7,755324E+08	1,074258E+09	1,265543E+09	1,265553E+09	1,074286E+09	7,755723E+08
2632	4,682617E+08	2,347099E+08	1,186889E+08	1,186834E+08	2,346981E+08	4,682562E+08	7,755729E+08	1,074283E+09	1,265547E+09	1,265539E+09	1,074263E+09	7,755434E+08
2633	4,682304E+08	2,346838E+08	1,186747E+08	1,186787E+08	2,346931E+08	4,682395E+08	7,755535E+08	1,074279E+09	1,265563E+09	1,265568E+09	1,074287E+09	7,755537E+08
2634	4,682286E+08	2,346760E+08	1,186625E+08	1,186588E+08	2,346661E+08	4,682140E+08	7,755385E+08	1,074281E+09	1,265577E+09	1,265592E+09	1,074322E+09	7,755901E+08
2635	4,682529E+08	2,346815E+08	1,186572E+08	1,186566E+08	2,346821E+08	4,682536E+08	7,755845E+08	1,074320E+09	1,265603E+09	1,265586E+09	1,074287E+09	7,755421E+08
2636	4,682070E+08	2,346482E+08	1,186372E+08	1,186405E+08	2,346564E+08	4,682215E+08	7,755635E+08	1,074313E+09	1,265612E+09	1,265619E+09	1,074326E+09	7,755730E+08
2637	4,682248E+08	2,346544E+08	1,186338E+08	1,186294E+08	2,346435E+08	4,682147E+08	7,755720E+08	1,074332E+09	1,265624E+09	1,265618E+09	1,074324E+09	7,755788E+08
2638	4,682330E+08	2,346560E+08	1,186326E+08	1,186353E+08	2,346627E+08	4,682378E+08	7,755866E+08	1,074348E+09	1,265646E+09	1,265627E+09	1,074308E+09	7,755432E+08
2639	4,681987E+08	2,346375E+08	1,186251E+08	1,186261E+08	2,346398E+08	4,682013E+08	7,755414E+08	1,074307E+09	1,265632E+09	1,265651E+09	1,074351E+09	7,755873E+08
2640	4,682337E+08	2,346614E+08	1,186386E+08	1,186349E+08	2,346555E+08	4,682350E+08	7,755816E+08	1,074317E+09	1,265599E+09	1,265598E+09	1,074310E+09	7,755660E+08
2641	4,682239E+08	2,346577E+08	1,186440E+08	1,186502E+08	2,346737E+08	4,682401E+08	7,755783E+08	1,074317E+09	1,265593E+09	1,265580E+09	1,074288E+09	7,755488E+08
2642	4,682188E+08	2,346633E+08	1,186523E+08	1,186521E+08	2,346613E+08	4,682106E+08	7,755374E+08	1,074281E+09	1,265571E+09	1,265575E+09	1,074303E+09	7,755823E+08
2643	4,682606E+08	2,346994E+08	1,186770E+08	1,186749E+08	2,346946E+08	4,682551E+08	7,755718E+08	1,074290E+09	1,265554E+09	1,265531E+09	1,074244E+09	7,755279E+08
2644	4,682257E+08	2,346885E+08	1,186840E+08	1,186897E+08	2,347019E+08	4,682414E+08	7,755408E+08	1,074247E+09	1,265515E+09	1,265519E+09	1,074252E+09	7,755418E+08
2645	4,682421E+08	2,347082E+08	1,187015E+08	1,186996E+08	2,347036E+08	4,682337E+08	7,755243E+08	1,074219E+09	1,265475E+09	1,265484E+09	1,074244E+09	7,755606E+08
2646	4,682710E+08	2,347315E+08	1,187189E+08	1,187218E+08	2,347412E+08	4,682810E+08	7,755601E+08	1,074234E+09	1,265466E+09	1,265451E+09	1,074199E+09	7,755138E+08
2647	4,682363E+08	2,347174E+08	1,187194E+08	1,187235E+08	2,347278E+08	4,682493E+08	7,755218E+08	1,074200E+09	1,265450E+09	1,265463E+09	1,074229E+09	7,755513E+08
2648	4,682705E+08	2,347415E+08	1,187311E+08	1,187263E+08	2,347315E+08	4,682663E+08	7,755507E+08	1,074218E+09	1,265440E+09	1,265432E+09	1,074200E+09	7,755375E+08
2649	4,682673E+08	2,347396E+08	1,187323E+08	1,187361E+08	2,347487E+08	4,682777E+08	7,755571E+08	1,074235E+09	1,265467E+09	1,265447E+09	1,074190E+09	7,755102E+08
2650	4,682415E+08	2,347246E+08	1,187230E+08	1,187215E+08	2,347184E+08	4,682315E+08	7,755050E+08	1,074200E+09	1,265469E+09	1,265487E+09	1,074247E+09	7,755619E+08
2651	4,682758E+08	2,347405E+08	1,187249E+08	1,187201E+08	2,347298E+08	4,682678E+08	7,755507E+08	1,074232E+09	1,265480E+09	1,265473E+09	1,074218E+09	7,755283E+08
2652	4,682408E+08	2,347106E+08	1,187073E+08	1,187128E+08	2,347244E+08	4,682571E+08	7,755442E+08	1,074233E+09	1,265489E+09	1,265495E+09	1,074240E+09	7,755378E+08

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°
2653	4,682380E+08	2,347004E+08	1,186928E+08	1,186905E+08	2,346940E+08	4,682275E+08	7,755269E+08	1,074235E+09	1,265500E+09	1,265509E+09	1,074264E+09	7,755709E+08
2654	4,682657E+08	2,347108E+08	1,186899E+08	1,186887E+08	2,347088E+08	4,682662E+08	7,755761E+08	1,074283E+09	1,265538E+09	1,265518E+09	1,074240E+09	7,755250E+08
2655	4,682196E+08	2,346795E+08	1,186727E+08	1,186750E+08	2,346831E+08	4,682265E+08	7,755410E+08	1,074268E+09	1,265555E+09	1,265563E+09	1,074285E+09	7,755574E+08
2656	4,682377E+08	2,346861E+08	1,186704E+08	1,186652E+08	2,346738E+08	4,682276E+08	7,755516E+08	1,074275E+09	1,265547E+09	1,265548E+09	1,074277E+09	7,755600E+08
2657	4,682446E+08	2,346892E+08	1,186726E+08	1,186756E+08	2,346980E+08	4,682555E+08	7,755725E+08	1,074295E+09	1,265566E+09	1,265551E+09	1,074257E+09	7,755255E+08
2658	4,682123E+08	2,346705E+08	1,186647E+08	1,186669E+08	2,346756E+08	4,682183E+08	7,755262E+08	1,074252E+09	1,265547E+09	1,265567E+09	1,074301E+09	7,755756E+08
2659	4,682526E+08	2,346977E+08	1,186799E+08	1,186767E+08	2,346909E+08	4,682495E+08	7,755671E+08	1,074276E+09	1,265532E+09	1,265518E+09	1,074251E+09	7,755452E+08
2660	4,682390E+08	2,346934E+08	1,186851E+08	1,186915E+08	2,347090E+08	4,682556E+08	7,755631E+08	1,074270E+09	1,265524E+09	1,265508E+09	1,074234E+09	7,755276E+08
2661	4,682311E+08	2,346975E+08	1,186937E+08	1,186943E+08	2,346966E+08	4,682226E+08	7,755130E+08	1,074217E+09	1,265483E+09	1,265492E+09	1,074247E+09	7,755628E+08
2662	4,682758E+08	2,347369E+08	1,187207E+08	1,187189E+08	2,347322E+08	4,682703E+08	7,755504E+08	1,074226E+09	1,265462E+09	1,265449E+09	1,074198E+09	7,755149E+08
2663	4,682420E+08	2,347261E+08	1,187283E+08	1,187345E+08	2,347408E+08	4,682574E+08	7,755182E+08	1,074183E+09	1,265427E+09	1,265437E+09	1,074203E+09	7,755303E+08
2664	4,682612E+08	2,347455E+08	1,187441E+08	1,187419E+08	2,347416E+08	4,682576E+08	7,755153E+08	1,074160E+09	1,265377E+09	1,265386E+09	1,074180E+09	7,755401E+08
2665	4,682879E+08	2,347696E+08	1,187621E+08	1,187644E+08	2,347773E+08	4,682999E+08	7,755540E+08	1,074193E+09	1,265390E+09	1,265364E+09	1,074133E+09	7,754903E+08
2666	4,682522E+08	2,347542E+08	1,187608E+08	1,187643E+08	2,347612E+08	4,682606E+08	7,755035E+08	1,074154E+09	1,265382E+09	1,265390E+09	1,074175E+09	7,755327E+08
2667	4,682862E+08	2,347773E+08	1,187719E+08	1,187665E+08	2,347634E+08	4,682731E+08	7,755267E+08	1,074174E+09	1,265383E+09	1,265369E+09	1,074150E+09	7,755146E+08
2668	4,682757E+08	2,347700E+08	1,187694E+08	1,187740E+08	2,347815E+08	4,682897E+08	7,755359E+08	1,074182E+09	1,265399E+09	1,265387E+09	1,074151E+09	7,754947E+08
2669	4,682488E+08	2,347504E+08	1,187566E+08	1,187568E+08	2,347501E+08	4,682462E+08	7,754860E+08	1,074139E+09	1,265382E+09	1,265410E+09	1,074202E+09	7,755498E+08
2670	4,682886E+08	2,347684E+08	1,187577E+08	1,187534E+08	2,347592E+08	4,682836E+08	7,755427E+08	1,074186E+09	1,265401E+09	1,265400E+09	1,074178E+09	7,755192E+08
2671	4,682559E+08	2,347401E+08	1,187401E+08	1,187449E+08	2,347510E+08	4,682669E+08	7,755316E+08	1,074197E+09	1,265431E+09	1,265432E+09	1,074196E+09	7,755257E+08
2672	4,682540E+08	2,347309E+08	1,187254E+08	1,187213E+08	2,347199E+08	4,682406E+08	7,755153E+08	1,074192E+09	1,265435E+09	1,265442E+09	1,074213E+09	7,755490E+08
2673	4,682768E+08	2,347426E+08	1,187260E+08	1,187236E+08	2,347369E+08	4,682763E+08	7,755625E+08	1,074243E+09	1,265478E+09	1,265456E+09	1,074192E+09	7,755046E+08
2674	4,682302E+08	2,347099E+08	1,187088E+08	1,187118E+08	2,347146E+08	4,682361E+08	7,755176E+08	1,074214E+09	1,265485E+09	1,265498E+09	1,074245E+09	7,755458E+08
2675	4,682510E+08	2,347170E+08	1,187077E+08	1,187037E+08	2,347077E+08	4,682411E+08	7,755338E+08	1,074227E+09	1,265478E+09	1,265478E+09	1,074231E+09	7,755439E+08
2676	4,682555E+08	2,347188E+08	1,187090E+08	1,187137E+08	2,347326E+08	4,682746E+08	7,755647E+08	1,074249E+09	1,265489E+09	1,265474E+09	1,074208E+09	7,755102E+08
2677	4,682246E+08	2,347009E+08	1,187017E+08	1,187050E+08	2,347084E+08	4,682326E+08	7,755112E+08	1,074199E+09	1,265461E+09	1,265477E+09	1,074241E+09	7,755575E+08
2678	4,682701E+08	2,347345E+08	1,187209E+08	1,187169E+08	2,347239E+08	4,682613E+08	7,755489E+08	1,074222E+09	1,265452E+09	1,265442E+09	1,074201E+09	7,755285E+08
2679	4,682565E+08	2,347328E+08	1,187292E+08	1,187345E+08	2,347438E+08	4,682641E+08	7,755349E+08	1,074208E+09	1,265444E+09	1,265434E+09	1,074185E+09	7,755116E+08
2680	4,682487E+08	2,347368E+08	1,187382E+08	1,187381E+08	2,347353E+08	4,682410E+08	7,754904E+08	1,074147E+09	1,265384E+09	1,265399E+09	1,074187E+09	7,755413E+08
2681	4,682906E+08	2,347761E+08	1,187671E+08	1,187655E+08	2,347736E+08	4,682925E+08	7,755392E+08	1,074169E+09	1,265369E+09	1,265355E+09	1,074134E+09	7,754943E+08
2682	4,682582E+08	2,347634E+08	1,187723E+08	1,187794E+08	2,347807E+08	4,682768E+08	7,755062E+08	1,074131E+09	1,265340E+09	1,265346E+09	1,074143E+09	7,755129E+08
2683	4,682787E+08	2,347829E+08	1,187869E+08	1,187848E+08	2,347780E+08	4,682728E+08	7,755048E+08	1,074127E+09	1,265317E+09	1,265310E+09	1,074120E+09	7,755152E+08
2684	4,682990E+08	2,348036E+08	1,188022E+08	1,188046E+08	2,348114E+08	4,683146E+08	7,755412E+08	1,074152E+09	1,265330E+09	1,265302E+09	1,074087E+09	7,754698E+08
2685	4,682611E+08	2,347848E+08	1,187986E+08	1,188022E+08	2,347919E+08	4,682684E+08	7,754784E+08	1,074096E+09	1,265306E+09	1,265321E+09	1,074132E+09	7,755185E+08
2686	4,682995E+08	2,348095E+08	1,188093E+08	1,188039E+08	2,347948E+08	4,682825E+08	7,755022E+08	1,074113E+09	1,265305E+09	1,265307E+09	1,074119E+09	7,755086E+08
2687	4,682916E+08	2,348017E+08	1,188058E+08	1,188100E+08	2,348121E+08	4,683001E+08	7,755120E+08	1,074122E+09	1,265319E+09	1,265318E+09	1,074114E+09	7,754895E+08
2688	4,682670E+08	2,347816E+08	1,187907E+08	1,187901E+08	2,347801E+08	4,682641E+08	7,754756E+08	1,074086E+09	1,265293E+09	1,265320E+09	1,074145E+09	7,755325E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2689	4,683033E+08	2,348006E+08	1,187934E+08	1,187882E+08	2,347883E+08	4,682971E+08	7,755357E+08	1,074150E+09	1,265332E+09	1,265318E+09	1,074116E+09	7,754966E+08
2690	4,682687E+08	2,347711E+08	1,187754E+08	1,187798E+08	2,347801E+08	4,682764E+08	7,755150E+08	1,074155E+09	1,265370E+09	1,265365E+09	1,074145E+09	7,755047E+08
2691	4,682645E+08	2,347616E+08	1,187616E+08	1,187575E+08	2,347502E+08	4,682496E+08	7,754987E+08	1,074156E+09	1,265382E+09	1,265383E+09	1,074165E+09	7,755237E+08
2692	4,682801E+08	2,347691E+08	1,187607E+08	1,187600E+08	2,347703E+08	4,682925E+08	7,755487E+08	1,074197E+09	1,265414E+09	1,265398E+09	1,074154E+09	7,754885E+08
2693	4,682356E+08	2,347347E+08	1,187422E+08	1,187472E+08	2,347472E+08	4,682531E+08	7,755043E+08	1,074161E+09	1,265403E+09	1,265423E+09	1,074201E+09	7,755345E+08
2694	4,682649E+08	2,347467E+08	1,187428E+08	1,187397E+08	2,347394E+08	4,682566E+08	7,755244E+08	1,074181E+09	1,265402E+09	1,265407E+09	1,074191E+09	7,755361E+08
2695	4,682738E+08	2,347525E+08	1,187463E+08	1,187500E+08	2,347621E+08	4,682838E+08	7,755470E+08	1,074205E+09	1,265424E+09	1,265406E+09	1,074164E+09	7,755004E+08
2696	4,682449E+08	2,347379E+08	1,187414E+08	1,187428E+08	2,347403E+08	4,682465E+08	7,754930E+08	1,074143E+09	1,265377E+09	1,265394E+09	1,074183E+09	7,755370E+08
2697	4,682865E+08	2,347741E+08	1,187655E+08	1,187601E+08	2,347590E+08	4,682720E+08	7,755272E+08	1,074165E+09	1,265368E+09	1,265358E+09	1,074142E+09	7,755085E+08
2698	4,682728E+08	2,347714E+08	1,187744E+08	1,187802E+08	2,347840E+08	4,682789E+08	7,755086E+08	1,074141E+09	1,265352E+09	1,265347E+09	1,074130E+09	7,754955E+08
2699	4,682657E+08	2,347754E+08	1,187837E+08	1,187844E+08	2,347764E+08	4,682602E+08	7,754754E+08	1,074093E+09	1,265296E+09	1,265307E+09	1,074123E+09	7,755159E+08
2700	4,683009E+08	2,348104E+08	1,188097E+08	1,188094E+08	2,348134E+08	4,683150E+08	7,755330E+08	1,074124E+09	1,265286E+09	1,265266E+09	1,074073E+09	7,754719E+08
2701	4,682692E+08	2,347968E+08	1,188132E+08	1,188209E+08	2,348161E+08	4,682922E+08	7,754924E+08	1,074084E+09	1,265261E+09	1,265259E+09	1,074082E+09	7,754919E+08
2702	4,682938E+08	2,348193E+08	1,188285E+08	1,188256E+08	2,348110E+08	4,682826E+08	7,754839E+08	1,074075E+09	1,265246E+09	1,265246E+09	1,074078E+09	7,755003E+08
2703	4,683143E+08	2,348399E+08	1,188438E+08	1,188447E+08	2,348432E+08	4,683207E+08	7,755117E+08	1,074093E+09	1,265258E+09	1,265241E+09	1,074051E+09	7,754613E+08
2704	4,682784E+08	2,348200E+08	1,188383E+08	1,188409E+08	2,348262E+08	4,682842E+08	7,754549E+08	1,074027E+09	1,265211E+09	1,265238E+09	1,074084E+09	7,755051E+08
2705	4,683148E+08	2,348437E+08	1,188489E+08	1,188431E+08	2,348291E+08	4,682991E+08	7,754887E+08	1,074059E+09	1,265218E+09	1,265220E+09	1,074064E+09	7,754950E+08
2706	4,683082E+08	2,348336E+08	1,188423E+08	1,188468E+08	2,348448E+08	4,683154E+08	7,754997E+08	1,074077E+09	1,265243E+09	1,265236E+09	1,074060E+09	7,754746E+08
2707	4,682827E+08	2,348131E+08	1,188259E+08	1,188250E+08	2,348097E+08	4,682767E+08	7,754683E+08	1,074060E+09	1,265241E+09	1,265251E+09	1,074088E+09	7,755058E+08
2708	4,683086E+08	2,348270E+08	1,188262E+08	1,188215E+08	2,348174E+08	4,683110E+08	7,755284E+08	1,074120E+09	1,265283E+09	1,265264E+09	1,074073E+09	7,754751E+08
2709	4,682724E+08	2,347954E+08	1,188070E+08	1,188121E+08	2,348076E+08	4,682857E+08	7,754974E+08	1,074111E+09	1,265307E+09	1,265305E+09	1,074106E+09	7,754897E+08
2710	4,682731E+08	2,347878E+08	1,187941E+08	1,187910E+08	2,347797E+08	4,682615E+08	7,754805E+08	1,074105E+09	1,265316E+09	1,265331E+09	1,074139E+09	7,755177E+08
2711	4,682932E+08	2,347970E+08	1,187940E+08	1,187931E+08	2,347989E+08	4,683042E+08	7,755312E+08	1,074146E+09	1,265342E+09	1,265335E+09	1,074121E+09	7,754858E+08
2712	4,682547E+08	2,347660E+08	1,187763E+08	1,187802E+08	2,347764E+08	4,682689E+08	7,754919E+08	1,074110E+09	1,265317E+09	1,265335E+09	1,074146E+09	7,755206E+08
2713	4,682836E+08	2,347829E+08	1,187822E+08	1,187775E+08	2,347698E+08	4,682663E+08	7,755079E+08	1,074137E+09	1,265329E+09	1,265322E+09	1,074128E+09	7,755179E+08
2714	4,682930E+08	2,347905E+08	1,187884E+08	1,187909E+08	2,347951E+08	4,682911E+08	7,755190E+08	1,074146E+09	1,265344E+09	1,265326E+09	1,074107E+09	7,754805E+08
2715	4,682613E+08	2,347768E+08	1,187863E+08	1,187873E+08	2,347775E+08	4,682579E+08	7,754705E+08	1,074090E+09	1,265297E+09	1,265311E+09	1,074122E+09	7,755085E+08
2716	4,682938E+08	2,348085E+08	1,188094E+08	1,188057E+08	2,348013E+08	4,682942E+08	7,755118E+08	1,074107E+09	1,265279E+09	1,265272E+09	1,074086E+09	7,754860E+08
2717	4,682806E+08	2,348036E+08	1,188163E+08	1,188239E+08	2,348240E+08	4,683009E+08	7,754960E+08	1,074083E+09	1,265256E+09	1,265251E+09	1,074069E+09	7,754759E+08
2718	4,682799E+08	2,348106E+08	1,188258E+08	1,188273E+08	2,348145E+08	4,682800E+08	7,754663E+08	1,074047E+09	1,265219E+09	1,265231E+09	1,074074E+09	7,755010E+08
2719	4,683176E+08	2,348469E+08	1,188515E+08	1,188501E+08	2,348470E+08	4,683272E+08	7,755149E+08	1,074078E+09	1,265221E+09	1,265200E+09	1,074028E+09	7,754606E+08
2720	4,682891E+08	2,348350E+08	1,188550E+08	1,188608E+08	2,348493E+08	4,683053E+08	7,754713E+08	1,074027E+09	1,265180E+09	1,265182E+09	1,074031E+09	7,754755E+08
2721	4,683110E+08	2,348581E+08	1,188726E+08	1,188685E+08	2,348456E+08	4,682916E+08	7,754585E+08	1,074017E+09	1,265166E+09	1,265168E+09	1,074028E+09	7,754882E+08
2722	4,683325E+08	2,348761E+08	1,188860E+08	1,188870E+08	2,348796E+08	4,683329E+08	7,754836E+08	1,074025E+09	1,265169E+09	1,265161E+09	1,074005E+09	7,754515E+08
2723	4,682964E+08	2,348550E+08	1,188787E+08	1,188817E+08	2,348620E+08	4,683019E+08	7,754443E+08	1,073979E+09	1,265127E+09	1,265148E+09	1,074023E+09	7,754828E+08
2724	4,683244E+08	2,348731E+08	1,188850E+08	1,188804E+08	2,348634E+08	4,683195E+08	7,754847E+08	1,074022E+09	1,265145E+09	1,265137E+09	1,074005E+09	7,754723E+08

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°
2725	4,683158E+08	2,348607E+08	1,188756E+08	1,188802E+08	2,348737E+08	4,683287E+08	7,754886E+08	1,074039E+09	1,265178E+09	1,265161E+09	1,074002E+09	7,754513E+08
2726	4,682923E+08	2,348418E+08	1,188595E+08	1,188584E+08	2,348376E+08	4,682866E+08	7,754524E+08	1,074020E+09	1,265189E+09	1,265204E+09	1,074052E+09	7,754880E+08
2727	4,683167E+08	2,348540E+08	1,188591E+08	1,188539E+08	2,348440E+08	4,683180E+08	7,755062E+08	1,074075E+09	1,265229E+09	1,265217E+09	1,074045E+09	7,754676E+08
2728	4,682852E+08	2,348235E+08	1,188397E+08	1,188444E+08	2,348368E+08	4,683008E+08	7,754804E+08	1,074057E+09	1,265230E+09	1,265236E+09	1,074066E+09	7,754797E+08
2729	4,682870E+08	2,348178E+08	1,188292E+08	1,188258E+08	2,348092E+08	4,682745E+08	7,754678E+08	1,074060E+09	1,265242E+09	1,265254E+09	1,074091E+09	7,755096E+08
2730	4,683120E+08	2,348286E+08	1,188298E+08	1,188285E+08	2,348284E+08	4,683148E+08	7,755139E+08	1,074100E+09	1,265271E+09	1,265260E+09	1,074072E+09	7,754753E+08
2731	4,682745E+08	2,348013E+08	1,188148E+08	1,188175E+08	2,348068E+08	4,682797E+08	7,754782E+08	1,074072E+09	1,265251E+09	1,265258E+09	1,074086E+09	7,754950E+08
2732	4,682934E+08	2,348154E+08	1,188214E+08	1,188169E+08	2,348036E+08	4,682799E+08	7,754899E+08	1,074088E+09	1,265258E+09	1,265250E+09	1,074076E+09	7,754953E+08
2733	4,683013E+08	2,348223E+08	1,188282E+08	1,188313E+08	2,348301E+08	4,683039E+08	7,754951E+08	1,074086E+09	1,265259E+09	1,265243E+09	1,074053E+09	7,754618E+08
2734	4,682739E+08	2,348107E+08	1,188277E+08	1,188302E+08	2,348164E+08	4,682761E+08	7,754498E+08	1,074026E+09	1,265213E+09	1,265238E+09	1,074076E+09	7,754938E+08
2735	4,683073E+08	2,348420E+08	1,188505E+08	1,188473E+08	2,348381E+08	4,683130E+08	7,754977E+08	1,074053E+09	1,265195E+09	1,265190E+09	1,074037E+09	7,754747E+08
2736	4,682996E+08	2,348401E+08	1,188576E+08	1,188645E+08	2,348602E+08	4,683214E+08	7,754854E+08	1,074031E+09	1,265166E+09	1,265154E+09	1,074004E+09	7,754559E+08
2737	4,682981E+08	2,348505E+08	1,188707E+08	1,188707E+08	2,348495E+08	4,682926E+08	7,754496E+08	1,074000E+09	1,265144E+09	1,265145E+09	1,074011E+09	7,754825E+08
2738	4,683372E+08	2,348868E+08	1,188969E+08	1,188944E+08	2,348825E+08	4,683362E+08	7,754865E+08	1,074017E+09	1,265142E+09	1,265124E+09	1,073977E+09	7,754451E+08
2739	4,683081E+08	2,348753E+08	1,189010E+08	1,189062E+08	2,348869E+08	4,683175E+08	7,754485E+08	1,073971E+09	1,265097E+09	1,265100E+09	1,073975E+09	7,754531E+08
2740	4,683212E+08	2,348920E+08	1,189150E+08	1,189125E+08	2,348859E+08	4,683125E+08	7,754416E+08	1,073958E+09	1,265079E+09	1,265086E+09	1,073977E+09	7,754707E+08
2741	4,683424E+08	2,349064E+08	1,189241E+08	1,189262E+08	2,349146E+08	4,683513E+08	7,754711E+08	1,073972E+09	1,265080E+09	1,265070E+09	1,073947E+09	7,754344E+08
2742	4,683104E+08	2,348859E+08	1,189147E+08	1,189184E+08	2,348944E+08	4,683186E+08	7,754350E+08	1,073939E+09	1,265064E+09	1,265084E+09	1,073976E+09	7,754652E+08
2743	4,683364E+08	2,349023E+08	1,189186E+08	1,189130E+08	2,348902E+08	4,683302E+08	7,754717E+08	1,073987E+09	1,265094E+09	1,265083E+09	1,073965E+09	7,754587E+08
2744	4,683298E+08	2,348907E+08	1,189085E+08	1,189115E+08	2,348996E+08	4,683390E+08	7,754717E+08	1,073994E+09	1,265115E+09	1,265100E+09	1,073960E+09	7,754355E+08
2745	4,683043E+08	2,348725E+08	1,188949E+08	1,188929E+08	2,348655E+08	4,682944E+08	7,754318E+08	1,073975E+09	1,265128E+09	1,265143E+09	1,074013E+09	7,754799E+08
2746	4,683319E+08	2,348833E+08	1,188939E+08	1,188889E+08	2,348738E+08	4,683282E+08	7,754813E+08	1,074016E+09	1,265154E+09	1,265152E+09	1,074009E+09	7,754620E+08
2747	4,683028E+08	2,348545E+08	1,188751E+08	1,188797E+08	2,348663E+08	4,683146E+08	7,754711E+08	1,074016E+09	1,265154E+09	1,265156E+09	1,074012E+09	7,754615E+08
2748	4,682980E+08	2,348464E+08	1,188639E+08	1,188616E+08	2,348409E+08	4,682909E+08	7,754585E+08	1,074020E+09	1,265171E+09	1,265175E+09	1,074036E+09	7,754893E+08
2749	4,683221E+08	2,348581E+08	1,188650E+08	1,188635E+08	2,348568E+08	4,683238E+08	7,754937E+08	1,074051E+09	1,265197E+09	1,265180E+09	1,074013E+09	7,754527E+08
2750	4,682870E+08	2,348342E+08	1,188533E+08	1,188563E+08	2,348396E+08	4,682913E+08	7,754559E+08	1,074017E+09	1,265183E+09	1,265197E+09	1,074040E+09	7,754742E+08
2751	4,683038E+08	2,348477E+08	1,188608E+08	1,188565E+08	2,348381E+08	4,682938E+08	7,754672E+08	1,074030E+09	1,265181E+09	1,265180E+09	1,074033E+09	7,754819E+08
2752	4,683159E+08	2,348560E+08	1,188680E+08	1,188715E+08	2,348676E+08	4,683261E+08	7,754799E+08	1,074024E+09	1,265163E+09	1,265151E+09	1,073996E+09	7,754446E+08
2753	4,682895E+08	2,348466E+08	1,188703E+08	1,188732E+08	2,348541E+08	4,682962E+08	7,754413E+08	1,073981E+09	1,265130E+09	1,265144E+09	1,074015E+09	7,754792E+08
2754	4,683265E+08	2,348784E+08	1,188929E+08	1,188899E+08	2,348740E+08	4,683281E+08	7,754818E+08	1,074005E+09	1,265120E+09	1,265109E+09	1,073981E+09	7,754595E+08
2755	4,683201E+08	2,348801E+08	1,189021E+08	1,189079E+08	2,348949E+08	4,683348E+08	7,754731E+08	1,073991E+09	1,265097E+09	1,265076E+09	1,073943E+09	7,754303E+08
2756	4,683101E+08	2,348873E+08	1,189151E+08	1,189154E+08	2,348871E+08	4,683071E+08	7,754297E+08	1,073948E+09	1,265070E+09	1,265073E+09	1,073962E+09	7,754629E+08
2757	4,683487E+08	2,349218E+08	1,189396E+08	1,189374E+08	2,349185E+08	4,683475E+08	7,754581E+08	1,073951E+09	1,265054E+09	1,265043E+09	1,073927E+09	7,754307E+08
2758	4,683245E+08	2,349112E+08	1,189432E+08	1,189494E+08	2,349257E+08	4,683355E+08	7,754257E+08	1,073903E+09	1,265012E+09	1,265028E+09	1,073930E+09	7,754401E+08
2759	4,683369E+08	2,349251E+08	1,189536E+08	1,189511E+08	2,349198E+08	4,683298E+08	7,754276E+08	1,073905E+09	1,264996E+09	1,265005E+09	1,073928E+09	7,754598E+08
2760	4,683610E+08	2,349401E+08	1,189607E+08	1,189619E+08	2,349456E+08	4,683675E+08	7,754596E+08	1,073925E+09	1,265000E+09	1,264981E+09	1,073885E+09	7,754142E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,683258E+08	2,349205E+08	1,189531E+08	1,189552E+08	2,349235E+08	4,683279E+08	7,754192E+08	1,073899E+09	1,265001E+09	1,265009E+09	1,073920E+09	7,754462E+08
2762	4,683501E+08	2,349343E+08	1,189561E+08	1,189498E+08	2,349195E+08	4,683374E+08	7,754477E+08	1,073936E+09	1,265031E+09	1,265025E+09	1,073925E+09	7,754435E+08
2763	4,683431E+08	2,349230E+08	1,189461E+08	1,189488E+08	2,349303E+08	4,683512E+08	7,754570E+08	1,073949E+09	1,265047E+09	1,265033E+09	1,073914E+09	7,754151E+08
2764	4,683104E+08	2,348990E+08	1,189294E+08	1,189292E+08	2,348989E+08	4,683130E+08	7,754209E+08	1,073927E+09	1,265057E+09	1,265076E+09	1,073971E+09	7,754653E+08
2765	4,683401E+08	2,349085E+08	1,189256E+08	1,189216E+08	2,349020E+08	4,683419E+08	7,754699E+08	1,073972E+09	1,265081E+09	1,265076E+09	1,073960E+09	7,754493E+08
2766	4,683177E+08	2,348832E+08	1,189076E+08	1,189127E+08	2,348948E+08	4,683269E+08	7,754568E+08	1,073974E+09	1,265098E+09	1,265099E+09	1,073969E+09	7,754461E+08
2767	4,683107E+08	2,348752E+08	1,188966E+08	1,188936E+08	2,348672E+08	4,683003E+08	7,754415E+08	1,073977E+09	1,265113E+09	1,265118E+09	1,073996E+09	7,754766E+08
2768	4,683370E+08	2,348895E+08	1,188999E+08	1,188977E+08	2,348853E+08	4,683340E+08	7,754726E+08	1,073996E+09	1,265120E+09	1,265106E+09	1,073964E+09	7,754354E+08
2769	4,683005E+08	2,348680E+08	1,188927E+08	1,188958E+08	2,348731E+08	4,683039E+08	7,754352E+08	1,073962E+09	1,265105E+09	1,265117E+09	1,073989E+09	7,754609E+08
2770	4,683195E+08	2,348812E+08	1,189011E+08	1,188979E+08	2,348746E+08	4,683111E+08	7,754483E+08	1,073968E+09	1,265094E+09	1,265099E+09	1,073981E+09	7,754682E+08
2771	4,683343E+08	2,348929E+08	1,189102E+08	1,189136E+08	2,349034E+08	4,683460E+08	7,754760E+08	1,073981E+09	1,265078E+09	1,265057E+09	1,073929E+09	7,754196E+08
2772	4,683018E+08	2,348817E+08	1,189125E+08	1,189165E+08	2,348919E+08	4,683152E+08	7,754320E+08	1,073940E+09	1,265057E+09	1,265060E+09	1,073952E+09	7,754545E+08
2773	4,683388E+08	2,349143E+08	1,189353E+08	1,189320E+08	2,349077E+08	4,683380E+08	7,754587E+08	1,073951E+09	1,265044E+09	1,265030E+09	1,073922E+09	7,754380E+08
2774	4,683361E+08	2,349188E+08	1,189469E+08	1,189528E+08	2,349323E+08	4,683462E+08	7,754442E+08	1,073927E+09	1,265024E+09	1,265015E+09	1,073900E+09	7,754131E+08
2775	4,683243E+08	2,349241E+08	1,189588E+08	1,189593E+08	2,349251E+08	4,683222E+08	7,754037E+08	1,073880E+09	1,264983E+09	1,264999E+09	1,073920E+09	7,754538E+08
2776	4,683671E+08	2,349584E+08	1,189814E+08	1,189794E+08	2,349559E+08	4,683661E+08	7,754383E+08	1,073882E+09	1,264951E+09	1,264947E+09	1,073869E+09	7,754161E+08
2777	4,683430E+08	2,349488E+08	1,189858E+08	1,189918E+08	2,349623E+08	4,683537E+08	7,754149E+08	1,073855E+09	1,264926E+09	1,264932E+09	1,073868E+09	7,754256E+08
2778	4,683562E+08	2,349611E+08	1,189941E+08	1,189911E+08	2,349536E+08	4,683441E+08	7,754117E+08	1,073857E+09	1,264923E+09	1,264927E+09	1,073871E+09	7,754408E+08
2779	4,683778E+08	2,349762E+08	1,190005E+08	1,190001E+08	2,349758E+08	4,683803E+08	7,754512E+08	1,073888E+09	1,264935E+09	1,264909E+09	1,073828E+09	7,753873E+08
2780	4,683330E+08	2,349510E+08	1,189908E+08	1,189937E+08	2,349566E+08	4,683420E+08	7,754062E+08	1,073859E+09	1,264942E+09	1,264950E+09	1,073878E+09	7,754262E+08
2781	4,683557E+08	2,349609E+08	1,189900E+08	1,189847E+08	2,349493E+08	4,683477E+08	7,754262E+08	1,073884E+09	1,264961E+09	1,264961E+09	1,073885E+09	7,754313E+08
2782	4,683543E+08	2,349504E+08	1,189794E+08	1,189835E+08	2,349617E+08	4,683664E+08	7,754406E+08	1,073897E+09	1,264982E+09	1,264980E+09	1,073880E+09	7,754048E+08
2783	4,683223E+08	2,349250E+08	1,189601E+08	1,189602E+08	2,349261E+08	4,683272E+08	7,754114E+08	1,073885E+09	1,264989E+09	1,265009E+09	1,073931E+09	7,754570E+08
2784	4,683564E+08	2,349371E+08	1,189563E+08	1,189516E+08	2,349269E+08	4,683509E+08	7,754543E+08	1,073927E+09	1,265009E+09	1,264999E+09	1,073905E+09	7,754316E+08
2785	4,683328E+08	2,349158E+08	1,189431E+08	1,189468E+08	2,349217E+08	4,683340E+08	7,754378E+08	1,073929E+09	1,265032E+09	1,265026E+09	1,073917E+09	7,754295E+08
2786	4,683256E+08	2,349079E+08	1,189343E+08	1,189310E+08	2,348980E+08	4,683087E+08	7,754160E+08	1,073919E+09	1,265040E+09	1,265051E+09	1,073951E+09	7,754602E+08
2787	4,683511E+08	2,349241E+08	1,189401E+08	1,189377E+08	2,349193E+08	4,683500E+08	7,754610E+08	1,073945E+09	1,265038E+09	1,265025E+09	1,073909E+09	7,754125E+08
2788	4,683088E+08	2,348991E+08	1,189325E+08	1,189378E+08	2,349124E+08	4,683273E+08	7,754288E+08	1,073915E+09	1,265025E+09	1,265036E+09	1,073935E+09	7,754396E+08
2789	4,683286E+08	2,349117E+08	1,189392E+08	1,189372E+08	2,349089E+08	4,683282E+08	7,754383E+08	1,073924E+09	1,265017E+09	1,265016E+09	1,073925E+09	7,754494E+08
2790	4,683493E+08	2,349278E+08	1,189503E+08	1,189543E+08	2,349385E+08	4,683612E+08	7,754600E+08	1,073935E+09	1,265019E+09	1,264998E+09	1,073882E+09	7,754010E+08
2791	4,683162E+08	2,349169E+08	1,189530E+08	1,189562E+08	2,349246E+08	4,683267E+08	7,754121E+08	1,073888E+09	1,264989E+09	1,264998E+09	1,073912E+09	7,754433E+08
2792	4,683578E+08	2,349522E+08	1,189775E+08	1,189734E+08	2,349417E+08	4,683468E+08	7,754300E+08	1,073885E+09	1,264956E+09	1,264949E+09	1,073873E+09	7,754254E+08
2793	4,683557E+08	2,349592E+08	1,189924E+08	1,189979E+08	2,349705E+08	4,683591E+08	7,754162E+08	1,073857E+09	1,264927E+09	1,264923E+09	1,073848E+09	7,754046E+08
2794	4,683455E+08	2,349631E+08	1,190038E+08	1,190045E+08	2,349646E+08	4,683402E+08	7,753823E+08	1,073809E+09	1,264881E+09	1,264905E+09	1,073865E+09	7,754409E+08
2795	4,683881E+08	2,349982E+08	1,190257E+08	1,190229E+08	2,349925E+08	4,683861E+08	7,754343E+08	1,073835E+09	1,264856E+09	1,264842E+09	1,073796E+09	7,753883E+08
2796	4,683547E+08	2,349840E+08	1,190276E+08	1,190342E+08	2,349996E+08	4,683725E+08	7,754070E+08	1,073815E+09	1,264853E+09	1,264847E+09	1,073801E+09	7,753948E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,683637E+08	2,349933E+08	1,190327E+08	1,190295E+08	2,349851E+08	4,683550E+08	7,753943E+08	1,073812E+09	1,264858E+09	1,264856E+09	1,073816E+09	7,754154E+08
2798	4,683867E+08	2,350079E+08	1,190387E+08	1,190389E+08	2,350092E+08	4,683921E+08	7,754289E+08	1,073838E+09	1,264879E+09	1,264862E+09	1,073792E+09	7,753700E+08
2799	4,683409E+08	2,349786E+08	1,190250E+08	1,190286E+08	2,349879E+08	4,683563E+08	7,753900E+08	1,073810E+09	1,264877E+09	1,264895E+09	1,073848E+09	7,754199E+08
2800	4,683688E+08	2,349877E+08	1,190215E+08	1,190169E+08	2,349776E+08	4,683604E+08	7,754123E+08	1,073833E+09	1,264883E+09	1,264887E+09	1,073843E+09	7,754227E+08
2801	4,683700E+08	2,349798E+08	1,190121E+08	1,190156E+08	2,349884E+08	4,683768E+08	7,754289E+08	1,073858E+09	1,264914E+09	1,264906E+09	1,073836E+09	7,753975E+08
2802	4,683399E+08	2,349553E+08	1,189933E+08	1,189924E+08	2,349522E+08	4,683356E+08	7,753939E+08	1,073840E+09	1,264926E+09	1,264945E+09	1,073887E+09	7,754438E+08
2803	4,683732E+08	2,349704E+08	1,189921E+08	1,189854E+08	2,349526E+08	4,683590E+08	7,754420E+08	1,073884E+09	1,264941E+09	1,264929E+09	1,073853E+09	7,754082E+08
2804	4,683411E+08	2,349461E+08	1,189800E+08	1,189845E+08	2,349550E+08	4,683471E+08	7,754213E+08	1,073883E+09	1,264965E+09	1,264959E+09	1,073870E+09	7,754079E+08
2805	4,683325E+08	2,349368E+08	1,189703E+08	1,189684E+08	2,349315E+08	4,683229E+08	7,753961E+08	1,073863E+09	1,264961E+09	1,264976E+09	1,073902E+09	7,754428E+08
2806	4,683622E+08	2,349547E+08	1,189775E+08	1,189768E+08	2,349554E+08	4,683694E+08	7,754478E+08	1,073894E+09	1,264966E+09	1,264958E+09	1,073863E+09	7,753969E+08
2807	4,683212E+08	2,349297E+08	1,189689E+08	1,189749E+08	2,349457E+08	4,683454E+08	7,754223E+08	1,073875E+09	1,264954E+09	1,264960E+09	1,073886E+09	7,754266E+08
2808	4,683451E+08	2,349454E+08	1,189770E+08	1,189747E+08	2,349397E+08	4,683377E+08	7,754191E+08	1,073873E+09	1,264939E+09	1,264933E+09	1,073866E+09	7,754305E+08
2809	4,683665E+08	2,349665E+08	1,189937E+08	1,189963E+08	2,349720E+08	4,683699E+08	7,754356E+08	1,073879E+09	1,264940E+09	1,264918E+09	1,073831E+09	7,753878E+08
2810	4,683353E+08	2,349573E+08	1,189993E+08	1,190020E+08	2,349629E+08	4,683385E+08	7,753820E+08	1,073816E+09	1,264896E+09	1,264916E+09	1,073863E+09	7,754297E+08
2811	4,683775E+08	2,349939E+08	1,190249E+08	1,190202E+08	2,349813E+08	4,683647E+08	7,754127E+08	1,073818E+09	1,264852E+09	1,264850E+09	1,073810E+09	7,754037E+08
2812	4,683694E+08	2,349968E+08	1,190382E+08	1,190452E+08	2,350142E+08	4,683841E+08	7,754078E+08	1,073803E+09	1,264832E+09	1,264824E+09	1,073782E+09	7,753805E+08
2813	4,683582E+08	2,349983E+08	1,190455E+08	1,190470E+08	2,350019E+08	4,683585E+08	7,753713E+08	1,073762E+09	1,264797E+09	1,264811E+09	1,073797E+09	7,754163E+08
2814	4,684011E+08	2,350332E+08	1,190665E+08	1,190641E+08	2,350282E+08	4,684018E+08	7,754201E+08	1,073793E+09	1,264800E+09	1,264780E+09	1,073744E+09	7,753645E+08
2815	4,683645E+08	2,350157E+08	1,190654E+08	1,190714E+08	2,350311E+08	4,683856E+08	7,753941E+08	1,073775E+09	1,264796E+09	1,264791E+09	1,073762E+09	7,753797E+08
2816	4,683752E+08	2,350235E+08	1,190683E+08	1,190651E+08	2,350148E+08	4,683628E+08	7,753710E+08	1,073759E+09	1,264788E+09	1,264793E+09	1,073777E+09	7,754032E+08
2817	4,683996E+08	2,350393E+08	1,190753E+08	1,190752E+08	2,350406E+08	4,684037E+08	7,754077E+08	1,073784E+09	1,264803E+09	1,264794E+09	1,073757E+09	7,753679E+08
2818	4,683588E+08	2,350098E+08	1,190607E+08	1,190637E+08	2,350180E+08	4,683693E+08	7,753727E+08	1,073755E+09	1,264796E+09	1,264823E+09	1,073809E+09	7,754145E+08
2819	4,683885E+08	2,350204E+08	1,190567E+08	1,190504E+08	2,350041E+08	4,683715E+08	7,754047E+08	1,073793E+09	1,264807E+09	1,264803E+09	1,073785E+09	7,754035E+08
2820	4,683824E+08	2,350104E+08	1,190473E+08	1,190504E+08	2,350177E+08	4,683876E+08	7,754153E+08	1,073819E+09	1,264851E+09	1,264833E+09	1,073779E+09	7,753727E+08
2821	4,683484E+08	2,349846E+08	1,190276E+08	1,190264E+08	2,349801E+08	4,683433E+08	7,753729E+08	1,073792E+09	1,264858E+09	1,264877E+09	1,073837E+09	7,754212E+08
2822	4,683813E+08	2,350000E+08	1,190283E+08	1,190226E+08	2,349859E+08	4,683718E+08	7,754198E+08	1,073833E+09	1,264880E+09	1,264875E+09	1,073814E+09	7,753899E+08
2823	4,683479E+08	2,349730E+08	1,190141E+08	1,190199E+08	2,349885E+08	4,683662E+08	7,754111E+08	1,073836E+09	1,264894E+09	1,264893E+09	1,073831E+09	7,753968E+08
2824	4,683442E+08	2,349644E+08	1,190040E+08	1,190033E+08	2,349635E+08	4,683394E+08	7,753866E+08	1,073817E+09	1,264882E+09	1,264895E+09	1,073851E+09	7,754289E+08
2825	4,683769E+08	2,349866E+08	1,190143E+08	1,190134E+08	2,349869E+08	4,683833E+08	7,754363E+08	1,073854E+09	1,264894E+09	1,264878E+09	1,073814E+09	7,753873E+08
2826	4,683400E+08	2,349650E+08	1,190084E+08	1,190131E+08	2,349768E+08	4,683558E+08	7,754027E+08	1,073825E+09	1,264883E+09	1,264891E+09	1,073840E+09	7,754138E+08
2827	4,683648E+08	2,349847E+08	1,190202E+08	1,190158E+08	2,349713E+08	4,683472E+08	7,754016E+08	1,073820E+09	1,264857E+09	1,264851E+09	1,073812E+09	7,754103E+08
2828	4,683803E+08	2,350042E+08	1,190387E+08	1,190416E+08	2,350108E+08	4,683835E+08	7,754115E+08	1,073818E+09	1,264853E+09	1,264835E+09	1,073777E+09	7,753676E+08
2829	4,683487E+08	2,349941E+08	1,190434E+08	1,190469E+08	2,350028E+08	4,683558E+08	7,753590E+08	1,073747E+09	1,264797E+09	1,264823E+09	1,073803E+09	7,754115E+08
2830	4,683935E+08	2,350314E+08	1,190691E+08	1,190656E+08	2,350228E+08	4,683859E+08	7,753962E+08	1,073760E+09	1,264765E+09	1,264763E+09	1,073750E+09	7,753829E+08
2831	4,683832E+08	2,350315E+08	1,190791E+08	1,190863E+08	2,350512E+08	4,684042E+08	7,754004E+08	1,073761E+09	1,264755E+09	1,264737E+09	1,073721E+09	7,753599E+08
2832	4,683727E+08	2,350329E+08	1,190853E+08	1,190864E+08	2,350346E+08	4,683694E+08	7,753532E+08	1,073714E+09	1,264723E+09	1,264729E+09	1,073735E+09	7,753917E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2833	4,684136E+08	2,350689E+08	1,191081E+08	1,191046E+08	2,350612E+08	4,684113E+08	7,753978E+08	1,073743E+09	1,264728E+09	1,264710E+09	1,073700E+09	7,753520E+08
2834	4,683796E+08	2,350512E+08	1,191070E+08	1,191123E+08	2,350653E+08	4,683970E+08	7,753691E+08	1,073716E+09	1,264720E+09	1,264727E+09	1,073726E+09	7,753713E+08
2835	4,683920E+08	2,350585E+08	1,191086E+08	1,191044E+08	2,350476E+08	4,683784E+08	7,753582E+08	1,073705E+09	1,264703E+09	1,264713E+09	1,073729E+09	7,753895E+08
2836	4,684125E+08	2,350702E+08	1,191130E+08	1,191135E+08	2,350747E+08	4,684216E+08	7,753987E+08	1,073740E+09	1,264729E+09	1,264716E+09	1,073707E+09	7,753517E+08
2837	4,683720E+08	2,350395E+08	1,190947E+08	1,190978E+08	2,350472E+08	4,683817E+08	7,753591E+08	1,073713E+09	1,264728E+09	1,264748E+09	1,073755E+09	7,753968E+08
2838	4,684014E+08	2,350502E+08	1,190905E+08	1,190842E+08	2,350330E+08	4,683816E+08	7,753855E+08	1,073753E+09	1,264756E+09	1,264749E+09	1,073741E+09	7,753847E+08
2839	4,683914E+08	2,350374E+08	1,190793E+08	1,190823E+08	2,350453E+08	4,683989E+08	7,754018E+08	1,073781E+09	1,264794E+09	1,264778E+09	1,073742E+09	7,753593E+08
2840	4,683582E+08	2,350108E+08	1,190594E+08	1,190591E+08	2,350085E+08	4,683518E+08	7,753508E+08	1,073741E+09	1,264787E+09	1,264809E+09	1,073793E+09	7,754061E+08
2841	4,683910E+08	2,350278E+08	1,190625E+08	1,190576E+08	2,350177E+08	4,683874E+08	7,754049E+08	1,073783E+09	1,264802E+09	1,264801E+09	1,073774E+09	7,753836E+08
2842	4,683637E+08	2,350038E+08	1,190500E+08	1,190556E+08	2,350201E+08	4,683836E+08	7,754010E+08	1,073789E+09	1,264815E+09	1,264816E+09	1,073784E+09	7,753859E+08
2843	4,683619E+08	2,349982E+08	1,190415E+08	1,190393E+08	2,349921E+08	4,683528E+08	7,753797E+08	1,073778E+09	1,264807E+09	1,264808E+09	1,073788E+09	7,754066E+08
2844	4,683899E+08	2,350206E+08	1,190543E+08	1,190528E+08	2,350195E+08	4,683948E+08	7,754195E+08	1,073811E+09	1,264828E+09	1,264803E+09	1,073755E+09	7,753626E+08
2845	4,683529E+08	2,350007E+08	1,190498E+08	1,190542E+08	2,350105E+08	4,683647E+08	7,753752E+08	1,073765E+09	1,264803E+09	1,264814E+09	1,073786E+09	7,753934E+08
2846	4,683784E+08	2,350217E+08	1,190645E+08	1,190610E+08	2,350112E+08	4,683609E+08	7,753714E+08	1,073756E+09	1,264779E+09	1,264780E+09	1,073764E+09	7,753933E+08
2847	4,683929E+08	2,350386E+08	1,190811E+08	1,190849E+08	2,350507E+08	4,684051E+08	7,753976E+08	1,073760E+09	1,264763E+09	1,264750E+09	1,073726E+09	7,753540E+08
2848	4,683645E+08	2,350284E+08	1,190845E+08	1,190892E+08	2,350403E+08	4,683738E+08	7,753454E+08	1,073693E+09	1,264705E+09	1,264725E+09	1,073739E+09	7,753912E+08
2849	4,684091E+08	2,350679E+08	1,191114E+08	1,191075E+08	2,350593E+08	4,684031E+08	7,753831E+08	1,073714E+09	1,264685E+09	1,264676E+09	1,073694E+09	7,753679E+08
2850	4,684017E+08	2,350701E+08	1,191223E+08	1,191279E+08	2,350853E+08	4,684178E+08	7,753821E+08	1,073711E+09	1,264683E+09	1,264666E+09	1,073672E+09	7,753438E+08
2851	4,683904E+08	2,350718E+08	1,191290E+08	1,191280E+08	2,350672E+08	4,683814E+08	7,753370E+08	1,073664E+09	1,264647E+09	1,264653E+09	1,073684E+09	7,753724E+08
2852	4,684257E+08	2,351037E+08	1,191507E+08	1,191476E+08	2,350984E+08	4,684257E+08	7,753764E+08	1,073688E+09	1,264653E+09	1,264638E+09	1,073654E+09	7,753366E+08
2853	4,683934E+08	2,350842E+08	1,191462E+08	1,191522E+08	2,351003E+08	4,684127E+08	7,753492E+08	1,073656E+09	1,264635E+09	1,264649E+09	1,073680E+09	7,753601E+08
2854	4,684077E+08	2,350905E+08	1,191461E+08	1,191428E+08	2,350818E+08	4,683944E+08	7,753424E+08	1,073658E+09	1,264634E+09	1,264641E+09	1,073681E+09	7,753748E+08
2855	4,684253E+08	2,350986E+08	1,191460E+08	1,191463E+08	2,351028E+08	4,684348E+08	7,753890E+08	1,073703E+09	1,264665E+09	1,264644E+09	1,073657E+09	7,753354E+08
2856	4,683845E+08	2,350675E+08	1,191269E+08	1,191297E+08	2,350729E+08	4,683881E+08	7,753395E+08	1,073668E+09	1,264662E+09	1,264676E+09	1,073701E+09	7,753746E+08
2857	4,684113E+08	2,350795E+08	1,191248E+08	1,191181E+08	2,350617E+08	4,683909E+08	7,753635E+08	1,073702E+09	1,264685E+09	1,264683E+09	1,073701E+09	7,753723E+08
2858	4,684034E+08	2,350672E+08	1,191146E+08	1,191171E+08	2,350755E+08	4,684119E+08	7,753816E+08	1,073727E+09	1,264722E+09	1,264713E+09	1,073704E+09	7,753488E+08
2859	4,683721E+08	2,350412E+08	1,190950E+08	1,190941E+08	2,350388E+08	4,683702E+08	7,753455E+08	1,073696E+09	1,264709E+09	1,264730E+09	1,073741E+09	7,753890E+08
2860	4,684011E+08	2,350558E+08	1,190978E+08	1,190937E+08	2,350498E+08	4,684048E+08	7,753987E+08	1,073748E+09	1,264736E+09	1,264726E+09	1,073720E+09	7,753642E+08
2861	4,683763E+08	2,350340E+08	1,190848E+08	1,190903E+08	2,350490E+08	4,683955E+08	7,753873E+08	1,073750E+09	1,264753E+09	1,264747E+09	1,073732E+09	7,753673E+08
2862	4,683754E+08	2,350309E+08	1,190794E+08	1,190770E+08	2,350234E+08	4,683622E+08	7,753568E+08	1,073733E+09	1,264753E+09	1,264752E+09	1,073744E+09	7,753883E+08
2863	4,684015E+08	2,350524E+08	1,190923E+08	1,190906E+08	2,350508E+08	4,684052E+08	7,753984E+08	1,073760E+09	1,264759E+09	1,264739E+09	1,073715E+09	7,753502E+08
2864	4,683674E+08	2,350337E+08	1,190896E+08	1,190949E+08	2,350456E+08	4,683757E+08	7,753465E+08	1,073698E+09	1,264713E+09	1,264729E+09	1,073734E+09	7,753787E+08
2865	4,683948E+08	2,350578E+08	1,191072E+08	1,191043E+08	2,350505E+08	4,683805E+08	7,753510E+08	1,073688E+09	1,264677E+09	1,264687E+09	1,073714E+09	7,753853E+08
2866	4,684138E+08	2,350773E+08	1,191250E+08	1,191283E+08	2,350884E+08	4,684250E+08	7,753843E+08	1,073703E+09	1,264669E+09	1,264653E+09	1,073665E+09	7,753391E+08
2867	4,683855E+08	2,350691E+08	1,191295E+08	1,191326E+08	2,350757E+08	4,683915E+08	7,753363E+08	1,073646E+09	1,264618E+09	1,264625E+09	1,073665E+09	7,753628E+08
2868	4,684220E+08	2,351057E+08	1,191568E+08	1,191527E+08	2,350971E+08	4,684185E+08	7,753663E+08	1,073666E+09	1,264613E+09	1,264596E+09	1,073629E+09	7,753386E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,684138E+08	2,351077E+08	1,191667E+08	1,191723E+08	2,351227E+08	4,684314E+08	7,753587E+08	1,073653E+09	1,264606E+09	1,264592E+09	1,073620E+09	7,753232E+08
2870	4,684028E+08	2,351077E+08	1,191727E+08	1,191729E+08	2,351070E+08	4,683976E+08	7,753130E+08	1,073608E+09	1,264577E+09	1,264587E+09	1,073641E+09	7,753578E+08
2871	4,684375E+08	2,351346E+08	1,191892E+08	1,191872E+08	2,351343E+08	4,684463E+08	7,753673E+08	1,073641E+09	1,264576E+09	1,264565E+09	1,073611E+09	7,753278E+08
2872	4,684093E+08	2,351140E+08	1,191814E+08	1,191883E+08	2,351312E+08	4,684252E+08	7,753342E+08	1,073609E+09	1,264558E+09	1,264566E+09	1,073626E+09	7,753446E+08
2873	4,684228E+08	2,351213E+08	1,191806E+08	1,191769E+08	2,351108E+08	4,684061E+08	7,753260E+08	1,073613E+09	1,264563E+09	1,264571E+09	1,073638E+09	7,753643E+08
2874	4,684418E+08	2,351308E+08	1,191811E+08	1,191794E+08	2,351285E+08	4,684432E+08	7,753701E+08	1,073657E+09	1,264601E+09	1,264584E+09	1,073615E+09	7,753217E+08
2875	4,683990E+08	2,350994E+08	1,191622E+08	1,191632E+08	2,350989E+08	4,683974E+08	7,753232E+08	1,073621E+09	1,264593E+09	1,264606E+09	1,073652E+09	7,753542E+08
2876	4,684193E+08	2,351076E+08	1,191600E+08	1,191540E+08	2,350937E+08	4,684055E+08	7,753471E+08	1,073655E+09	1,264619E+09	1,264617E+09	1,073654E+09	7,753537E+08
2877	4,684142E+08	2,350955E+08	1,191484E+08	1,191518E+08	2,351067E+08	4,684289E+08	7,753691E+08	1,073678E+09	1,264648E+09	1,264641E+09	1,073657E+09	7,753343E+08
2878	4,683847E+08	2,350699E+08	1,191292E+08	1,191295E+08	2,350701E+08	4,683853E+08	7,753348E+08	1,073662E+09	1,264653E+09	1,264663E+09	1,073693E+09	7,753716E+08
2879	4,684115E+08	2,350827E+08	1,191301E+08	1,191264E+08	2,350771E+08	4,684170E+08	7,753896E+08	1,073715E+09	1,264680E+09	1,264661E+09	1,073673E+09	7,753480E+08
2880	4,683889E+08	2,350632E+08	1,191193E+08	1,191248E+08	2,350758E+08	4,684002E+08	7,753624E+08	1,073698E+09	1,264686E+09	1,264678E+09	1,073682E+09	7,753478E+08
2881	4,683880E+08	2,350639E+08	1,191183E+08	1,191162E+08	2,350568E+08	4,683729E+08	7,753290E+08	1,073669E+09	1,264669E+09	1,264682E+09	1,073707E+09	7,753799E+08
2882	4,684190E+08	2,350891E+08	1,191345E+08	1,191324E+08	2,350864E+08	4,684200E+08	7,753738E+08	1,073692E+09	1,264668E+09	1,264659E+09	1,073670E+09	7,753411E+08
2883	4,683874E+08	2,350721E+08	1,191331E+08	1,191380E+08	2,350832E+08	4,683979E+08	7,753367E+08	1,073640E+09	1,264615E+09	1,264629E+09	1,073668E+09	7,753581E+08
2884	4,684104E+08	2,350946E+08	1,191512E+08	1,191491E+08	2,350904E+08	4,684026E+08	7,753428E+08	1,073642E+09	1,264594E+09	1,264591E+09	1,073643E+09	7,753591E+08
2885	4,684301E+08	2,351152E+08	1,191680E+08	1,191712E+08	2,351249E+08	4,684423E+08	7,753705E+08	1,073655E+09	1,264593E+09	1,264569E+09	1,073602E+09	7,753150E+08
2886	4,684001E+08	2,351070E+08	1,191739E+08	1,191772E+08	2,351131E+08	4,684052E+08	7,753176E+08	1,073602E+09	1,264558E+09	1,264559E+09	1,073614E+09	7,753400E+08
2887	4,684319E+08	2,351389E+08	1,191980E+08	1,191946E+08	2,351325E+08	4,684322E+08	7,753480E+08	1,073617E+09	1,264544E+09	1,264530E+09	1,073586E+09	7,753242E+08
2888	4,684268E+08	2,351404E+08	1,192070E+08	1,192139E+08	2,351581E+08	4,684434E+08	7,753328E+08	1,073589E+09	1,264522E+09	1,264515E+09	1,073573E+09	7,753105E+08
2889	4,684190E+08	2,351420E+08	1,192128E+08	1,192137E+08	2,351437E+08	4,684160E+08	7,752948E+08	1,073544E+09	1,264482E+09	1,264506E+09	1,073600E+09	7,753526E+08
2890	4,684581E+08	2,351702E+08	1,192280E+08	1,192247E+08	2,351645E+08	4,684587E+08	7,753511E+08	1,073589E+09	1,264495E+09	1,264482E+09	1,073560E+09	7,753166E+08
2891	4,684300E+08	2,351503E+08	1,192197E+08	1,192242E+08	2,351593E+08	4,684364E+08	7,753201E+08	1,073562E+09	1,264482E+09	1,264480E+09	1,073561E+09	7,753200E+08
2892	4,684350E+08	2,351543E+08	1,192188E+08	1,192143E+08	2,351414E+08	4,684160E+08	7,753060E+08	1,073564E+09	1,264496E+09	1,264500E+09	1,073580E+09	7,753377E+08
2893	4,684517E+08	2,351622E+08	1,192177E+08	1,192161E+08	2,351593E+08	4,684541E+08	7,753483E+08	1,073602E+09	1,264529E+09	1,264518E+09	1,073570E+09	7,753027E+08
2894	4,684077E+08	2,351285E+08	1,191984E+08	1,192010E+08	2,351332E+08	4,684137E+08	7,753081E+08	1,073577E+09	1,264532E+09	1,264545E+09	1,073610E+09	7,753364E+08
2895	4,684250E+08	2,351310E+08	1,191912E+08	1,191874E+08	2,351247E+08	4,684258E+08	7,753459E+08	1,073621E+09	1,264558E+09	1,264554E+09	1,073613E+09	7,753403E+08
2896	4,684239E+08	2,351198E+08	1,191786E+08	1,191835E+08	2,351337E+08	4,684405E+08	7,753589E+08	1,073642E+09	1,264587E+09	1,264573E+09	1,073609E+09	7,753181E+08
2897	4,683972E+08	2,350981E+08	1,191614E+08	1,191618E+08	2,350978E+08	4,683967E+08	7,753194E+08	1,073618E+09	1,264589E+09	1,264605E+09	1,073658E+09	7,753633E+08
2898	4,684283E+08	2,351151E+08	1,191656E+08	1,191602E+08	2,351024E+08	4,684226E+08	7,753675E+08	1,073665E+09	1,264616E+09	1,264603E+09	1,073637E+09	7,753398E+08
2899	4,684076E+08	2,350987E+08	1,191582E+08	1,191621E+08	2,351057E+08	4,684099E+08	7,753398E+08	1,073639E+09	1,264602E+09	1,264599E+09	1,073632E+09	7,753319E+08
2900	4,684022E+08	2,350985E+08	1,191598E+08	1,191586E+08	2,350948E+08	4,683906E+08	7,753086E+08	1,073606E+09	1,264580E+09	1,264597E+09	1,073649E+09	7,753617E+08
2901	4,684359E+08	2,351253E+08	1,191764E+08	1,191751E+08	2,351245E+08	4,684408E+08	7,753602E+08	1,073631E+09	1,264572E+09	1,264564E+09	1,073609E+09	7,753222E+08
2902	4,684038E+08	2,351091E+08	1,191762E+08	1,191821E+08	2,351222E+08	4,684168E+08	7,753265E+08	1,073599E+09	1,264541E+09	1,264538E+09	1,073600E+09	7,753306E+08
2903	4,684213E+08	2,351286E+08	1,191921E+08	1,191907E+08	2,351262E+08	4,684203E+08	7,753344E+08	1,073604E+09	1,264528E+09	1,264513E+09	1,073580E+09	7,753324E+08
2904	4,684410E+08	2,351497E+08	1,192099E+08	1,192136E+08	2,351592E+08	4,684516E+08	7,753457E+08	1,073599E+09	1,264517E+09	1,264493E+09	1,073545E+09	7,752905E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,684121E+08	2,351433E+08	1,192175E+08	1,192213E+08	2,351516E+08	4,684195E+08	7,752918E+08	1,073536E+09	1,264471E+09	1,264489E+09	1,073577E+09	7,753312E+08
2906	4,684496E+08	2,351767E+08	1,192418E+08	1,192378E+08	2,351687E+08	4,684472E+08	7,753265E+08	1,073554E+09	1,264457E+09	1,264454E+09	1,073546E+09	7,753189E+08
2907	4,684484E+08	2,351787E+08	1,192496E+08	1,192551E+08	2,351928E+08	4,684612E+08	7,753191E+08	1,073531E+09	1,264428E+09	1,264423E+09	1,073516E+09	7,752950E+08
2908	4,684365E+08	2,351783E+08	1,192542E+08	1,192547E+08	2,351790E+08	4,684326E+08	7,752814E+08	1,073496E+09	1,264405E+09	1,264421E+09	1,073537E+09	7,753316E+08
2909	4,684753E+08	2,352059E+08	1,192670E+08	1,192627E+08	2,351956E+08	4,684699E+08	7,753325E+08	1,073538E+09	1,264421E+09	1,264408E+09	1,073505E+09	7,752959E+08
2910	4,684431E+08	2,351839E+08	1,192582E+08	1,192625E+08	2,351913E+08	4,684462E+08	7,753016E+08	1,073522E+09	1,264424E+09	1,264417E+09	1,073512E+09	7,752967E+08
2911	4,684408E+08	2,351810E+08	1,192527E+08	1,192495E+08	2,351727E+08	4,684302E+08	7,752934E+08	1,073524E+09	1,264436E+09	1,264440E+09	1,073539E+09	7,753209E+08
2912	4,684584E+08	2,351868E+08	1,192497E+08	1,192499E+08	2,351893E+08	4,684669E+08	7,753314E+08	1,073551E+09	1,264458E+09	1,264451E+09	1,073528E+09	7,752891E+08
2913	4,684183E+08	2,351547E+08	1,192301E+08	1,192339E+08	2,351643E+08	4,684321E+08	7,753008E+08	1,073531E+09	1,264457E+09	1,264481E+09	1,073577E+09	7,753308E+08
2914	4,684404E+08	2,351596E+08	1,192230E+08	1,192181E+08	2,351491E+08	4,684359E+08	7,753364E+08	1,073585E+09	1,264497E+09	1,264490E+09	1,073572E+09	7,753312E+08
2915	4,684412E+08	2,351515E+08	1,192122E+08	1,192147E+08	2,351576E+08	4,684481E+08	7,753433E+08	1,073599E+09	1,264523E+09	1,264503E+09	1,073556E+09	7,752979E+08
2916	4,684097E+08	2,351305E+08	1,191985E+08	1,191982E+08	2,351277E+08	4,684054E+08	7,752970E+08	1,073566E+09	1,264521E+09	1,264537E+09	1,073606E+09	7,753427E+08
2917	4,684422E+08	2,351491E+08	1,192044E+08	1,191990E+08	2,351350E+08	4,684322E+08	7,753406E+08	1,073601E+09	1,264533E+09	1,264530E+09	1,073592E+09	7,753253E+08
2918	4,684220E+08	2,351333E+08	1,191993E+08	1,192045E+08	2,351440E+08	4,684275E+08	7,753237E+08	1,073588E+09	1,264523E+09	1,264518E+09	1,073579E+09	7,753130E+08
2919	4,684129E+08	2,351292E+08	1,191982E+08	1,191990E+08	2,351321E+08	4,684130E+08	7,753049E+08	1,073563E+09	1,264500E+09	1,264511E+09	1,073590E+09	7,753407E+08
2920	4,684472E+08	2,351568E+08	1,192148E+08	1,192148E+08	2,351583E+08	4,684552E+08	7,753475E+08	1,073586E+09	1,264495E+09	1,264479E+09	1,073546E+09	7,752984E+08
2921	4,684173E+08	2,351443E+08	1,192170E+08	1,192230E+08	2,351581E+08	4,684332E+08	7,753114E+08	1,073547E+09	1,264465E+09	1,264469E+09	1,073555E+09	7,753140E+08
2922	4,684367E+08	2,351658E+08	1,192345E+08	1,192316E+08	2,351580E+08	4,684289E+08	7,753118E+08	1,073550E+09	1,264455E+09	1,264447E+09	1,073539E+09	7,753201E+08
2923	4,684588E+08	2,351888E+08	1,192541E+08	1,192563E+08	2,351946E+08	4,684640E+08	7,753203E+08	1,073535E+09	1,264430E+09	1,264412E+09	1,073494E+09	7,752758E+08
2924	4,684293E+08	2,351821E+08	1,192631E+08	1,192673E+08	2,351924E+08	4,684381E+08	7,752698E+08	1,073469E+09	1,264377E+09	1,264401E+09	1,073521E+09	7,753174E+08
2925	4,684705E+08	2,352159E+08	1,192857E+08	1,192818E+08	2,352064E+08	4,684640E+08	7,753090E+08	1,073491E+09	1,264359E+09	1,264360E+09	1,073489E+09	7,753048E+08
2926	4,684679E+08	2,352172E+08	1,192928E+08	1,192982E+08	2,352295E+08	4,684759E+08	7,753059E+08	1,073489E+09	1,264352E+09	1,264333E+09	1,073450E+09	7,752703E+08
2927	4,684477E+08	2,352109E+08	1,192929E+08	1,192937E+08	2,352123E+08	4,684477E+08	7,752703E+08	1,073455E+09	1,264338E+09	1,264346E+09	1,073478E+09	7,753048E+08
2928	4,684824E+08	2,352357E+08	1,193039E+08	1,193003E+08	2,352265E+08	4,684784E+08	7,753100E+08	1,073485E+09	1,264349E+09	1,264337E+09	1,073453E+09	7,752724E+08
2929	4,684508E+08	2,352134E+08	1,192944E+08	1,192999E+08	2,352262E+08	4,684629E+08	7,752843E+08	1,073466E+09	1,264348E+09	1,264357E+09	1,073480E+09	7,752860E+08
2930	4,684521E+08	2,352097E+08	1,192869E+08	1,192838E+08	2,352027E+08	4,684459E+08	7,752835E+08	1,073481E+09	1,264369E+09	1,264378E+09	1,073504E+09	7,753140E+08
2931	4,684732E+08	2,352158E+08	1,192826E+08	1,192820E+08	2,352174E+08	4,684827E+08	7,753251E+08	1,073513E+09	1,264388E+09	1,264377E+09	1,073480E+09	7,752755E+08
2932	4,684321E+08	2,351840E+08	1,192633E+08	1,192666E+08	2,351922E+08	4,684446E+08	7,752913E+08	1,073497E+09	1,264401E+09	1,264416E+09	1,073527E+09	7,753151E+08
2933	4,684560E+08	2,351904E+08	1,192565E+08	1,192504E+08	2,351742E+08	4,684415E+08	7,753172E+08	1,073541E+09	1,264437E+09	1,264432E+09	1,073532E+09	7,753175E+08
2934	4,684551E+08	2,351833E+08	1,192483E+08	1,192500E+08	2,351854E+08	4,684522E+08	7,753208E+08	1,073557E+09	1,264464E+09	1,264442E+09	1,073513E+09	7,752800E+08
2935	4,684181E+08	2,351587E+08	1,192337E+08	1,192346E+08	2,351603E+08	4,684192E+08	7,752796E+08	1,073515E+09	1,264450E+09	1,264470E+09	1,073562E+09	7,753270E+08
2936	4,684519E+08	2,351780E+08	1,192407E+08	1,192369E+08	2,351689E+08	4,684462E+08	7,753193E+08	1,073538E+09	1,264442E+09	1,264446E+09	1,073539E+09	7,753088E+08
2937	4,684356E+08	2,351652E+08	1,192370E+08	1,192434E+08	2,351808E+08	4,684486E+08	7,753138E+08	1,073532E+09	1,264432E+09	1,264434E+09	1,073530E+09	7,752996E+08
2938	4,684296E+08	2,351642E+08	1,192375E+08	1,192373E+08	2,351635E+08	4,684266E+08	7,752947E+08	1,073523E+09	1,264428E+09	1,264430E+09	1,073534E+09	7,753228E+08
2939	4,684637E+08	2,351941E+08	1,192563E+08	1,192542E+08	2,351903E+08	4,684663E+08	7,753281E+08	1,073534E+09	1,264417E+09	1,264396E+09	1,073484E+09	7,752735E+08
2940	4,684308E+08	2,351827E+08	1,192620E+08	1,192675E+08	2,351956E+08	4,684463E+08	7,752880E+08	1,073489E+09	1,264386E+09	1,264392E+09	1,073498E+09	7,752932E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,684527E+08	2,352051E+08	1,192805E+08	1,192777E+08	2,351972E+08	4,684430E+08	7,752853E+08	1,073481E+09	1,264363E+09	1,264367E+09	1,073492E+09	7,753075E+08
2942	4,684761E+08	2,352278E+08	1,193004E+08	1,193033E+08	2,352360E+08	4,684825E+08	7,753045E+08	1,073481E+09	1,264343E+09	1,264323E+09	1,073439E+09	7,752588E+08
2943	4,684434E+08	2,352167E+08	1,193053E+08	1,193111E+08	2,352322E+08	4,684610E+08	7,752643E+08	1,073424E+09	1,264295E+09	1,264312E+09	1,073461E+09	7,752983E+08
2944	4,684843E+08	2,352494E+08	1,193255E+08	1,193222E+08	2,352405E+08	4,684763E+08	7,752906E+08	1,073440E+09	1,264281E+09	1,264275E+09	1,073429E+09	7,752833E+08
2945	4,684820E+08	2,352516E+08	1,193320E+08	1,193372E+08	2,352637E+08	4,684908E+08	7,752894E+08	1,073436E+09	1,264277E+09	1,264266E+09	1,073408E+09	7,752549E+08
2946	4,684616E+08	2,352445E+08	1,193311E+08	1,193304E+08	2,352413E+08	4,684561E+08	7,752515E+08	1,073409E+09	1,264272E+09	1,264283E+09	1,073438E+09	7,752919E+08
2947	4,684955E+08	2,352675E+08	1,193407E+08	1,193361E+08	2,352574E+08	4,684908E+08	7,752895E+08	1,073431E+09	1,264273E+09	1,264265E+09	1,073408E+09	7,752580E+08
2948	4,684636E+08	2,352444E+08	1,193311E+08	1,193368E+08	2,352598E+08	4,684814E+08	7,752725E+08	1,073417E+09	1,264274E+09	1,264284E+09	1,073431E+09	7,752732E+08
2949	4,684679E+08	2,352402E+08	1,193215E+08	1,193181E+08	2,352317E+08	4,684592E+08	7,752726E+08	1,073438E+09	1,264298E+09	1,264306E+09	1,073459E+09	7,753025E+08
2950	4,684886E+08	2,352467E+08	1,193173E+08	1,193159E+08	2,352448E+08	4,684912E+08	7,753138E+08	1,073485E+09	1,264335E+09	1,264309E+09	1,073428E+09	7,752557E+08
2951	4,684416E+08	2,352116E+08	1,192962E+08	1,192995E+08	2,352194E+08	4,684539E+08	7,752761E+08	1,073459E+09	1,264344E+09	1,264355E+09	1,073480E+09	7,752939E+08
2952	4,684627E+08	2,352174E+08	1,192902E+08	1,192846E+08	2,352017E+08	4,684449E+08	7,752871E+08	1,073482E+09	1,264363E+09	1,264366E+09	1,073489E+09	7,753008E+08
2953	4,684651E+08	2,352127E+08	1,192841E+08	1,192868E+08	2,352196E+08	4,684680E+08	7,752999E+08	1,073493E+09	1,264379E+09	1,264376E+09	1,073480E+09	7,752715E+08
2954	4,684318E+08	2,351893E+08	1,192700E+08	1,192708E+08	2,351920E+08	4,684357E+08	7,752683E+08	1,073466E+09	1,264369E+09	1,264393E+09	1,073517E+09	7,753163E+08
2955	4,684677E+08	2,352103E+08	1,192776E+08	1,192734E+08	2,352017E+08	4,684642E+08	7,753097E+08	1,073493E+09	1,264361E+09	1,264356E+09	1,073477E+09	7,752893E+08
2956	4,684511E+08	2,352002E+08	1,192768E+08	1,192828E+08	2,352157E+08	4,684663E+08	7,753032E+08	1,073491E+09	1,264363E+09	1,264353E+09	1,073466E+09	7,752772E+08
2957	4,684456E+08	2,352006E+08	1,192790E+08	1,192780E+08	2,351967E+08	4,684379E+08	7,752758E+08	1,073474E+09	1,264357E+09	1,264358E+09	1,073484E+09	7,753044E+08
2958	4,684778E+08	2,352310E+08	1,193003E+08	1,192980E+08	2,352262E+08	4,684765E+08	7,753079E+08	1,073488E+09	1,264346E+09	1,264321E+09	1,073433E+09	7,752542E+08
2959	4,684418E+08	2,352167E+08	1,193048E+08	1,193118E+08	2,352356E+08	4,684650E+08	7,752703E+08	1,073433E+09	1,264305E+09	1,264315E+09	1,073450E+09	7,752774E+08
2960	4,684653E+08	2,352392E+08	1,193229E+08	1,193216E+08	2,352359E+08	4,684593E+08	7,752632E+08	1,073414E+09	1,264266E+09	1,264277E+09	1,073438E+09	7,752935E+08
2961	4,684940E+08	2,352645E+08	1,193428E+08	1,193462E+08	2,352748E+08	4,685030E+08	7,752914E+08	1,073422E+09	1,264249E+09	1,264237E+09	1,073388E+09	7,752463E+08
2962	4,684631E+08	2,352547E+08	1,193471E+08	1,193512E+08	2,352645E+08	4,684733E+08	7,752497E+08	1,073379E+09	1,264220E+09	1,264229E+09	1,073402E+09	7,752800E+08
2963	4,685019E+08	2,352871E+08	1,193668E+08	1,193615E+08	2,352730E+08	4,684866E+08	7,752662E+08	1,073384E+09	1,264201E+09	1,264192E+09	1,073367E+09	7,752589E+08
2964	4,684954E+08	2,352881E+08	1,193742E+08	1,193786E+08	2,352993E+08	4,685045E+08	7,752674E+08	1,073380E+09	1,264200E+09	1,264190E+09	1,073353E+09	7,752357E+08
2965	4,684756E+08	2,352790E+08	1,193718E+08	1,193711E+08	2,352766E+08	4,684712E+08	7,752324E+08	1,073352E+09	1,264193E+09	1,264212E+09	1,073396E+09	7,752795E+08
2966	4,685083E+08	2,352990E+08	1,193792E+08	1,193750E+08	2,352912E+08	4,685069E+08	7,752813E+08	1,073394E+09	1,264204E+09	1,264190E+09	1,073359E+09	7,752418E+08
2967	4,684735E+08	2,352716E+08	1,193651E+08	1,193718E+08	2,352912E+08	4,684997E+08	7,752700E+08	1,073388E+09	1,264218E+09	1,264218E+09	1,073384E+09	7,752559E+08
2968	4,684769E+08	2,352664E+08	1,193532E+08	1,193499E+08	2,352576E+08	4,684665E+08	7,752539E+08	1,073396E+09	1,264239E+09	1,264244E+09	1,073414E+09	7,752862E+08
2969	4,685000E+08	2,352743E+08	1,193493E+08	1,193473E+08	2,352710E+08	4,684995E+08	7,752931E+08	1,073434E+09	1,264273E+09	1,264260E+09	1,073399E+09	7,752462E+08
2970	4,684548E+08	2,352403E+08	1,193290E+08	1,193310E+08	2,352439E+08	4,684591E+08	7,752546E+08	1,073413E+09	1,264282E+09	1,264297E+09	1,073446E+09	7,752863E+08
2971	4,684771E+08	2,352469E+08	1,193240E+08	1,193181E+08	2,352317E+08	4,684563E+08	7,752613E+08	1,073420E+09	1,264279E+09	1,264288E+09	1,073442E+09	7,752889E+08
2972	4,684801E+08	2,352442E+08	1,193208E+08	1,193236E+08	2,352536E+08	4,684878E+08	7,752884E+08	1,073440E+09	1,264293E+09	1,264289E+09	1,073423E+09	7,752573E+08
2973	4,684494E+08	2,352224E+08	1,193077E+08	1,193085E+08	2,352246E+08	4,684525E+08	7,752593E+08	1,073422E+09	1,264291E+09	1,264307E+09	1,073459E+09	7,752975E+08
2974	4,684816E+08	2,352440E+08	1,193171E+08	1,193125E+08	2,352338E+08	4,684765E+08	7,753002E+08	1,073462E+09	1,264299E+09	1,264275E+09	1,073412E+09	7,752608E+08
2975	4,684595E+08	2,352322E+08	1,193164E+08	1,193229E+08	2,352502E+08	4,684817E+08	7,752899E+08	1,073451E+09	1,264301E+09	1,264284E+09	1,073411E+09	7,752504E+08
2976	4,684523E+08	2,352327E+08	1,193199E+08	1,193198E+08	2,352317E+08	4,684476E+08	7,752473E+08	1,073411E+09	1,264277E+09	1,264285E+09	1,073436E+09	7,752873E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	4,684907E+08	2,352654E+08	1,193425E+08	1,193415E+08	2,352658E+08	4,684956E+08	7,752864E+08	1,073420E+09	1,264257E+09	1,264250E+09	1,073396E+09	7,752474E+08
2978	4,684608E+08	2,352534E+08	1,193474E+08	1,193542E+08	2,352716E+08	4,684822E+08	7,752567E+08	1,073380E+09	1,264219E+09	1,264230E+09	1,073400E+09	7,752691E+08
2979	4,684869E+08	2,352773E+08	1,193652E+08	1,193630E+08	2,352719E+08	4,684750E+08	7,752436E+08	1,073357E+09	1,264177E+09	1,264183E+09	1,073375E+09	7,752766E+08
2980	4,685144E+08	2,353046E+08	1,193869E+08	1,193888E+08	2,353108E+08	4,685187E+08	7,752740E+08	1,073369E+09	1,264169E+09	1,264149E+09	1,073323E+09	7,752260E+08
2981	4,684822E+08	2,352944E+08	1,193914E+08	1,193939E+08	2,352986E+08	4,684838E+08	7,752269E+08	1,073323E+09	1,264141E+09	1,264152E+09	1,073349E+09	7,752602E+08
2982	4,685157E+08	2,353240E+08	1,194105E+08	1,194048E+08	2,353087E+08	4,684981E+08	7,752470E+08	1,073338E+09	1,264128E+09	1,264114E+09	1,073312E+09	7,752369E+08
2983	4,685047E+08	2,353198E+08	1,194143E+08	1,194202E+08	2,353376E+08	4,685256E+08	7,752540E+08	1,073329E+09	1,264125E+09	1,264116E+09	1,073304E+09	7,752167E+08
2984	4,684838E+08	2,353075E+08	1,194083E+08	1,194090E+08	2,353101E+08	4,684874E+08	7,752176E+08	1,073300E+09	1,264113E+09	1,264135E+09	1,073348E+09	7,752656E+08
2985	4,685211E+08	2,353277E+08	1,194135E+08	1,194100E+08	2,353224E+08	4,685242E+08	7,752730E+08	1,073350E+09	1,264135E+09	1,264125E+09	1,073320E+09	7,752317E+08
2986	4,684889E+08	2,353013E+08	1,193980E+08	1,194030E+08	2,353147E+08	4,685062E+08	7,752555E+08	1,073354E+09	1,264164E+09	1,264159E+09	1,073341E+09	7,752425E+08
2987	4,684909E+08	2,352960E+08	1,193860E+08	1,193814E+08	2,352831E+08	4,684714E+08	7,752259E+08	1,073342E+09	1,264171E+09	1,264179E+09	1,073368E+09	7,752693E+08
2988	4,685126E+08	2,353053E+08	1,193848E+08	1,193822E+08	2,353006E+08	4,685099E+08	7,752693E+08	1,073377E+09	1,264198E+09	1,264189E+09	1,073352E+09	7,752330E+08
2989	4,684695E+08	2,352713E+08	1,193653E+08	1,193677E+08	2,352760E+08	4,684739E+08	7,752370E+08	1,073357E+09	1,264202E+09	1,264222E+09	1,073401E+09	7,752735E+08
2990	4,684903E+08	2,352769E+08	1,193604E+08	1,193554E+08	2,352647E+08	4,684745E+08	7,752576E+08	1,073386E+09	1,264207E+09	1,264204E+09	1,073383E+09	7,752679E+08
2991	4,684902E+08	2,352724E+08	1,193556E+08	1,193599E+08	2,352868E+08	4,685090E+08	7,752874E+08	1,073412E+09	1,264234E+09	1,264215E+09	1,073365E+09	7,752329E+08
2992	4,684569E+08	2,352508E+08	1,193427E+08	1,193441E+08	2,352543E+08	4,684638E+08	7,752437E+08	1,073381E+09	1,264230E+09	1,264241E+09	1,073408E+09	7,752761E+08
2993	4,684917E+08	2,352743E+08	1,193540E+08	1,193497E+08	2,352651E+08	4,684887E+08	7,752811E+08	1,073411E+09	1,264235E+09	1,264223E+09	1,073378E+09	7,752484E+08
2994	4,684734E+08	2,352652E+08	1,193552E+08	1,193610E+08	2,352805E+08	4,684902E+08	7,752669E+08	1,073399E+09	1,264234E+09	1,264222E+09	1,073374E+09	7,752425E+08
2995	4,684699E+08	2,352680E+08	1,193606E+08	1,193607E+08	2,352681E+08	4,684618E+08	7,752178E+08	1,073339E+09	1,264182E+09	1,264200E+09	1,073387E+09	7,752777E+08
2996	4,685124E+08	2,353046E+08	1,193865E+08	1,193849E+08	2,353037E+08	4,685146E+08	7,752691E+08	1,073358E+09	1,264159E+09	1,264151E+09	1,073335E+09	7,752368E+08
2997	4,684859E+08	2,352951E+08	1,193931E+08	1,193989E+08	2,353088E+08	4,684978E+08	7,752400E+08	1,073325E+09	1,264128E+09	1,264132E+09	1,073336E+09	7,752512E+08
2998	4,685072E+08	2,353187E+08	1,194115E+08	1,194082E+08	2,353082E+08	4,684874E+08	7,752265E+08	1,073310E+09	1,264095E+09	1,264087E+09	1,073302E+09	7,752462E+08
2999	4,685257E+08	2,353417E+08	1,194316E+08	1,194338E+08	2,353492E+08	4,685359E+08	7,752566E+08	1,073317E+09	1,264092E+09	1,264069E+09	1,073262E+09	7,751960E+08