

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-3000	1,068938E+09	9,614615E+08	8,824333E+08	8,824342E+08	9,614568E+08	1,068915E+09	1,149904E+09	1,182721E+09	1,184687E+09	1,184690E+09	1,182715E+09	1,149877E+09
-2999	1,068874E+09	9,614124E+08	8,824036E+08	8,824238E+08	9,614569E+08	1,068922E+09	1,149917E+09	1,182734E+09	1,184692E+09	1,184689E+09	1,182726E+09	1,149905E+09
-2998	1,068923E+09	9,614744E+08	8,824464E+08	8,824470E+08	9,614742E+08	1,068929E+09	1,149912E+09	1,182725E+09	1,184689E+09	1,184699E+09	1,182755E+09	1,149937E+09
-2997	1,068928E+09	9,614627E+08	8,824417E+08	8,824445E+08	9,614720E+08	1,068938E+09	1,149932E+09	1,182743E+09	1,184693E+09	1,184673E+09	1,182694E+09	1,149877E+09
-2996	1,068896E+09	9,614541E+08	8,824493E+08	8,824485E+08	9,614569E+08	1,068912E+09	1,149915E+09	1,182748E+09	1,184718E+09	1,184712E+09	1,182739E+09	1,149926E+09
-2995	1,068957E+09	9,615135E+08	8,824935E+08	8,824871E+08	9,614864E+08	1,068920E+09	1,149904E+09	1,182735E+09	1,184711E+09	1,184718E+09	1,182749E+09	1,149911E+09
-2994	1,068910E+09	9,614682E+08	8,824684E+08	8,824793E+08	9,614935E+08	1,068936E+09	1,149917E+09	1,182736E+09	1,184702E+09	1,184692E+09	1,182713E+09	1,149887E+09
-2993	1,068910E+09	9,614904E+08	8,824971E+08	8,824911E+08	9,614860E+08	1,068918E+09	1,149897E+09	1,182722E+09	1,184702E+09	1,184716E+09	1,182763E+09	1,149957E+09
-2992	1,068971E+09	9,615158E+08	8,825032E+08	8,825034E+08	9,615060E+08	1,068938E+09	1,149910E+09	1,182721E+09	1,184689E+09	1,184697E+09	1,182727E+09	1,149896E+09
-2991	1,068907E+09	9,614654E+08	8,824634E+08	8,824736E+08	9,614890E+08	1,068939E+09	1,149928E+09	1,182744E+09	1,184698E+09	1,184683E+09	1,182710E+09	1,149896E+09
-2990	1,068932E+09	9,615116E+08	8,825009E+08	8,824894E+08	9,614908E+08	1,068927E+09	1,149908E+09	1,182731E+09	1,184703E+09	1,184705E+09	1,182745E+09	1,149935E+09
-2989	1,068942E+09	9,614919E+08	8,824837E+08	8,824844E+08	9,614934E+08	1,068937E+09	1,149919E+09	1,182737E+09	1,184701E+09	1,184688E+09	1,182699E+09	1,149867E+09
-2988	1,068884E+09	9,614438E+08	8,824446E+08	8,824544E+08	9,614694E+08	1,068919E+09	1,149911E+09	1,182738E+09	1,184709E+09	1,184711E+09	1,182741E+09	1,149916E+09
-2987	1,068934E+09	9,614881E+08	8,824656E+08	8,824636E+08	9,614783E+08	1,068925E+09	1,149909E+09	1,182729E+09	1,184696E+09	1,184707E+09	1,182757E+09	1,149930E+09
-2986	1,068909E+09	9,614391E+08	8,824208E+08	8,824312E+08	9,614653E+08	1,068934E+09	1,149929E+09	1,182741E+09	1,184691E+09	1,184674E+09	1,182699E+09	1,149884E+09
-2985	1,068895E+09	9,614454E+08	8,824288E+08	8,824201E+08	9,614360E+08	1,068900E+09	1,149902E+09	1,182730E+09	1,184697E+09	1,184698E+09	1,182742E+09	1,149941E+09
-2984	1,068959E+09	9,614888E+08	8,824503E+08	8,824404E+08	9,614537E+08	1,068908E+09	1,149899E+09	1,182720E+09	1,184690E+09	1,184698E+09	1,182728E+09	1,149891E+09
-2983	1,068889E+09	9,614328E+08	8,824117E+08	8,824191E+08	9,614492E+08	1,068915E+09	1,149912E+09	1,182734E+09	1,184692E+09	1,184681E+09	1,182707E+09	1,149882E+09
-2982	1,068897E+09	9,614638E+08	8,824503E+08	8,824455E+08	9,614614E+08	1,068908E+09	1,149890E+09	1,182713E+09	1,184688E+09	1,184699E+09	1,182748E+09	1,149943E+09
-2981	1,068940E+09	9,614700E+08	8,824517E+08	8,824585E+08	9,614814E+08	1,068934E+09	1,149913E+09	1,182722E+09	1,184682E+09	1,184680E+09	1,182706E+09	1,149881E+09
-2980	1,068888E+09	9,614297E+08	8,824202E+08	8,824351E+08	9,614627E+08	1,068924E+09	1,149919E+09	1,182738E+09	1,184695E+09	1,184689E+09	1,182723E+09	1,149907E+09
-2979	1,068934E+09	9,614982E+08	8,824770E+08	8,824676E+08	9,614762E+08	1,068924E+09	1,149916E+09	1,182739E+09	1,184701E+09	1,184700E+09	1,182744E+09	1,149930E+09
-2978	1,068929E+09	9,614786E+08	8,824709E+08	8,824737E+08	9,614873E+08	1,068938E+09	1,149928E+09	1,182749E+09	1,184710E+09	1,184690E+09	1,182696E+09	1,149867E+09
-2977	1,068893E+09	9,614736E+08	8,824841E+08	8,824806E+08	9,614753E+08	1,068910E+09	1,149898E+09	1,182733E+09	1,184714E+09	1,184719E+09	1,182747E+09	1,149930E+09
-2976	1,068961E+09	9,615295E+08	8,825229E+08	8,825190E+08	9,615114E+08	1,068930E+09	1,149897E+09	1,182717E+09	1,184703E+09	1,184723E+09	1,182755E+09	1,149916E+09
-2975	1,068915E+09	9,614784E+08	8,824861E+08	8,824991E+08	9,615095E+08	1,068946E+09	1,149921E+09	1,182736E+09	1,184700E+09	1,184692E+09	1,182715E+09	1,149893E+09
-2974	1,068919E+09	9,615021E+08	8,825120E+08	8,825121E+08	9,615084E+08	1,068931E+09	1,149902E+09	1,182722E+09	1,184696E+09	1,184702E+09	1,182746E+09	1,149950E+09
-2973	1,068979E+09	9,615354E+08	8,825273E+08	8,825242E+08	9,615210E+08	1,068949E+09	1,149920E+09	1,182732E+09	1,184697E+09	1,184692E+09	1,182712E+09	1,149886E+09
-2972	1,068909E+09	9,614811E+08	8,824860E+08	8,824897E+08	9,614921E+08	1,068933E+09	1,149922E+09	1,182746E+09	1,184708E+09	1,184695E+09	1,182715E+09	1,149891E+09
-2971	1,068924E+09	9,615171E+08	8,825231E+08	8,825119E+08	9,614995E+08	1,068925E+09	1,149907E+09	1,182736E+09	1,184711E+09	1,184713E+09	1,182749E+09	1,149933E+09
-2970	1,068936E+09	9,614894E+08	8,824930E+08	8,825013E+08	9,615099E+08	1,068947E+09	1,149920E+09	1,182735E+09	1,184705E+09	1,184700E+09	1,182709E+09	1,149872E+09
-2969	1,068887E+09	9,614527E+08	8,824564E+08	8,824618E+08	9,614730E+08	1,068919E+09	1,149904E+09	1,182725E+09	1,184696E+09	1,184703E+09	1,182741E+09	1,149926E+09
-2968	1,068951E+09	9,615066E+08	8,824828E+08	8,824741E+08	9,614822E+08	1,068924E+09	1,149903E+09	1,182720E+09	1,184691E+09	1,184704E+09	1,182749E+09	1,149927E+09
-2967	1,068920E+09	9,614597E+08	8,824427E+08	8,824431E+08	9,614642E+08	1,068926E+09	1,149922E+09	1,182743E+09	1,184697E+09	1,184677E+09	1,182695E+09	1,149877E+09
-2966	1,068896E+09	9,614597E+08	8,824551E+08	8,824506E+08	9,614568E+08	1,068900E+09	1,149891E+09	1,182720E+09	1,184694E+09	1,184695E+09	1,182731E+09	1,149929E+09
-2965	1,068957E+09	9,615023E+08	8,824797E+08	8,824752E+08	9,614827E+08	1,068922E+09	1,149899E+09	1,182716E+09	1,184688E+09	1,184696E+09	1,182725E+09	1,149888E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2964	1,068889E+09	9,614414E+08	8,824321E+08	8,824411E+08	9,614666E+08	1,068924E+09	1,149913E+09	1,182729E+09	1,184688E+09	1,184684E+09	1,182714E+09	1,149887E+09
-2963	1,068898E+09	9,614704E+08	8,824702E+08	8,824671E+08	9,614751E+08	1,068920E+09	1,149906E+09	1,182725E+09	1,184690E+09	1,184694E+09	1,182741E+09	1,149941E+09
-2962	1,068945E+09	9,614792E+08	8,824668E+08	8,824756E+08	9,614966E+08	1,068946E+09	1,149925E+09	1,182736E+09	1,184697E+09	1,184688E+09	1,182702E+09	1,149872E+09
-2961	1,068892E+09	9,614535E+08	8,824493E+08	8,824523E+08	9,614661E+08	1,068919E+09	1,149913E+09	1,182738E+09	1,184702E+09	1,184695E+09	1,182721E+09	1,149905E+09
-2960	1,068942E+09	9,615202E+08	8,825111E+08	8,824974E+08	9,614887E+08	1,068918E+09	1,149901E+09	1,182730E+09	1,184710E+09	1,184718E+09	1,182750E+09	1,149926E+09
-2959	1,068930E+09	9,614907E+08	8,824964E+08	8,825010E+08	9,615027E+08	1,068935E+09	1,149915E+09	1,182741E+09	1,184714E+09	1,184705E+09	1,182712E+09	1,149876E+09
-2958	1,068897E+09	9,614815E+08	8,825053E+08	8,825129E+08	9,615054E+08	1,068922E+09	1,149891E+09	1,182715E+09	1,184698E+09	1,184710E+09	1,182745E+09	1,149937E+09
-2957	1,068974E+09	9,615459E+08	8,825462E+08	8,825445E+08	9,615341E+08	1,068948E+09	1,149905E+09	1,182714E+09	1,184691E+09	1,184706E+09	1,182744E+09	1,149918E+09
-2956	1,068930E+09	9,615001E+08	8,825085E+08	8,825137E+08	9,615159E+08	1,068949E+09	1,149925E+09	1,182738E+09	1,184698E+09	1,184686E+09	1,182707E+09	1,149889E+09
-2955	1,068926E+09	9,615232E+08	8,825426E+08	8,825340E+08	9,615136E+08	1,068932E+09	1,149911E+09	1,182737E+09	1,184707E+09	1,184701E+09	1,182730E+09	1,149932E+09
-2954	1,068974E+09	9,615438E+08	8,825492E+08	8,825497E+08	9,615379E+08	1,068955E+09	1,149921E+09	1,182740E+09	1,184714E+09	1,184708E+09	1,182712E+09	1,149870E+09
-2953	1,068900E+09	9,614914E+08	8,825080E+08	8,825104E+08	9,615050E+08	1,068934E+09	1,149913E+09	1,182738E+09	1,184709E+09	1,184704E+09	1,182724E+09	1,149895E+09
-2952	1,068926E+09	9,615218E+08	8,825379E+08	8,825293E+08	9,615123E+08	1,068930E+09	1,149901E+09	1,182726E+09	1,184709E+09	1,184721E+09	1,182756E+09	1,149938E+09
-2951	1,068941E+09	9,614914E+08	8,824989E+08	8,825080E+08	9,615128E+08	1,068947E+09	1,149921E+09	1,182737E+09	1,184706E+09	1,184703E+09	1,182716E+09	1,149880E+09
-2950	1,068898E+09	9,614627E+08	8,824681E+08	8,824766E+08	9,614846E+08	1,068921E+09	1,149900E+09	1,182720E+09	1,184689E+09	1,184692E+09	1,182728E+09	1,149922E+09
-2949	1,068962E+09	9,615288E+08	8,825090E+08	8,824933E+08	9,614901E+08	1,068925E+09	1,149902E+09	1,182720E+09	1,184691E+09	1,184698E+09	1,182738E+09	1,149919E+09
-2948	1,068923E+09	9,614774E+08	8,824704E+08	8,824655E+08	9,614711E+08	1,068918E+09	1,149909E+09	1,182735E+09	1,184699E+09	1,184685E+09	1,182699E+09	1,149873E+09
-2947	1,068892E+09	9,614682E+08	8,824811E+08	8,824794E+08	9,614738E+08	1,068905E+09	1,149891E+09	1,182718E+09	1,184692E+09	1,184695E+09	1,182728E+09	1,149922E+09
-2946	1,068952E+09	9,615026E+08	8,824938E+08	8,824995E+08	9,615081E+08	1,068940E+09	1,149907E+09	1,182716E+09	1,184688E+09	1,184699E+09	1,182726E+09	1,149885E+09
-2945	1,068892E+09	9,614538E+08	8,824498E+08	8,824564E+08	9,614773E+08	1,068932E+09	1,149917E+09	1,182726E+09	1,184681E+09	1,184677E+09	1,182712E+09	1,149892E+09
-2944	1,068911E+09	9,614874E+08	8,824915E+08	8,824840E+08	9,614832E+08	1,068923E+09	1,149906E+09	1,182728E+09	1,184698E+09	1,184699E+09	1,182735E+09	1,149933E+09
-2943	1,068951E+09	9,614972E+08	8,824918E+08	8,824939E+08	9,615002E+08	1,068940E+09	1,149923E+09	1,182744E+09	1,184712E+09	1,184703E+09	1,182709E+09	1,149870E+09
-2942	1,068895E+09	9,614680E+08	8,824784E+08	8,824871E+08	9,614886E+08	1,068919E+09	1,149900E+09	1,182728E+09	1,184702E+09	1,184699E+09	1,182721E+09	1,149901E+09
-2941	1,068948E+09	9,615394E+08	8,825433E+08	8,825323E+08	9,615149E+08	1,068929E+09	1,149897E+09	1,182722E+09	1,184705E+09	1,184717E+09	1,182755E+09	1,149932E+09
-2940	1,068938E+09	9,615070E+08	8,825223E+08	8,825266E+08	9,615193E+08	1,068941E+09	1,149912E+09	1,182732E+09	1,184707E+09	1,184704E+09	1,182719E+09	1,149886E+09
-2939	1,068907E+09	9,614962E+08	8,825296E+08	8,825369E+08	9,615202E+08	1,068934E+09	1,149905E+09	1,182723E+09	1,184695E+09	1,184697E+09	1,182731E+09	1,149930E+09
-2938	1,068982E+09	9,615621E+08	8,825676E+08	8,825659E+08	9,615510E+08	1,068961E+09	1,149918E+09	1,182729E+09	1,184702E+09	1,184707E+09	1,182732E+09	1,149902E+09
-2937	1,068931E+09	9,615239E+08	8,825385E+08	8,825328E+08	9,615195E+08	1,068945E+09	1,149921E+09	1,182740E+09	1,184705E+09	1,184689E+09	1,182702E+09	1,149879E+09
-2936	1,068923E+09	9,615346E+08	8,825692E+08	8,825611E+08	9,615264E+08	1,068928E+09	1,149899E+09	1,182733E+09	1,184719E+09	1,184719E+09	1,182735E+09	1,149922E+09
-2935	1,068965E+09	9,615452E+08	8,825637E+08	8,825687E+08	9,615501E+08	1,068954E+09	1,149912E+09	1,182735E+09	1,184720E+09	1,184724E+09	1,182731E+09	1,149879E+09
-2934	1,068900E+09	9,614892E+08	8,825159E+08	8,825298E+08	9,615235E+08	1,068939E+09	1,149905E+09	1,182722E+09	1,184696E+09	1,184698E+09	1,182726E+09	1,149904E+09
-2933	1,068940E+09	9,615349E+08	8,825507E+08	8,825422E+08	9,615219E+08	1,068936E+09	1,149904E+09	1,182723E+09	1,184698E+09	1,184707E+09	1,182751E+09	1,149945E+09
-2932	1,068957E+09	9,615120E+08	8,825167E+08	8,825162E+08	9,615094E+08	1,068938E+09	1,149915E+09	1,182735E+09	1,184704E+09	1,184698E+09	1,182712E+09	1,149880E+09
-2931	1,068907E+09	9,614831E+08	8,824970E+08	8,824979E+08	9,614887E+08	1,068919E+09	1,149903E+09	1,182724E+09	1,184690E+09	1,184686E+09	1,182713E+09	1,149905E+09
-2930	1,068958E+09	9,615399E+08	8,825341E+08	8,825235E+08	9,615122E+08	1,068933E+09	1,149901E+09	1,182721E+09	1,184697E+09	1,184705E+09	1,182736E+09	1,149902E+09
-2929	1,068915E+09	9,614902E+08	8,824949E+08	8,824911E+08	9,614904E+08	1,068926E+09	1,149905E+09	1,182725E+09	1,184692E+09	1,184685E+09	1,182703E+09	1,149874E+09

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												
-2928	1,068893E+09	9,614726E+08	8,824982E+08	8,825032E+08	9,614946E+08	1,068919E+09	1,149893E+09	1,182717E+09	1,184695E+09	1,184700E+09	1,182728E+09	1,149919E+09
-2927	1,068953E+09	9,615059E+08	8,825022E+08	8,825118E+08	9,615183E+08	1,068948E+09	1,149917E+09	1,182728E+09	1,184698E+09	1,184704E+09	1,182730E+09	1,149889E+09
-2926	1,068901E+09	9,614643E+08	8,824651E+08	8,824754E+08	9,614901E+08	1,068935E+09	1,149918E+09	1,182731E+09	1,184686E+09	1,184676E+09	1,182704E+09	1,149887E+09
-2925	1,068922E+09	9,615112E+08	8,825207E+08	8,825069E+08	9,614907E+08	1,068921E+09	1,149905E+09	1,182733E+09	1,184706E+09	1,184703E+09	1,182736E+09	1,149931E+09
-2924	1,068955E+09	9,615163E+08	8,825222E+08	8,825202E+08	9,615077E+08	1,068929E+09	1,149907E+09	1,182736E+09	1,184718E+09	1,184717E+09	1,182724E+09	1,149877E+09
-2923	1,068900E+09	9,614839E+08	8,825091E+08	8,825187E+08	9,615075E+08	1,068925E+09	1,149898E+09	1,182719E+09	1,184696E+09	1,184698E+09	1,182722E+09	1,149903E+09
-2922	1,068953E+09	9,615504E+08	8,825648E+08	8,825606E+08	9,615400E+08	1,068944E+09	1,149900E+09	1,182716E+09	1,184699E+09	1,184714E+09	1,182752E+09	1,149929E+09
-2921	1,068949E+09	9,615307E+08	8,825486E+08	8,825485E+08	9,615322E+08	1,068947E+09	1,149912E+09	1,182727E+09	1,184696E+09	1,184691E+09	1,182709E+09	1,149886E+09
-2920	1,068921E+09	9,615200E+08	8,825586E+08	8,825613E+08	9,615322E+08	1,068936E+09	1,149902E+09	1,182727E+09	1,184704E+09	1,184697E+09	1,182716E+09	1,149912E+09
-2919	1,068978E+09	9,615762E+08	8,825930E+08	8,825890E+08	9,615603E+08	1,068959E+09	1,149917E+09	1,182738E+09	1,184718E+09	1,184719E+09	1,182734E+09	1,149894E+09
-2918	1,068925E+09	9,615289E+08	8,825616E+08	8,825669E+08	9,615437E+08	1,068948E+09	1,149913E+09	1,182735E+09	1,184707E+09	1,184696E+09	1,182704E+09	1,149875E+09
-2917	1,068922E+09	9,615426E+08	8,825876E+08	8,825852E+08	9,615464E+08	1,068940E+09	1,149900E+09	1,182728E+09	1,184716E+09	1,184721E+09	1,182745E+09	1,149930E+09
-2916	1,068967E+09	9,615507E+08	8,825751E+08	8,825813E+08	9,615574E+08	1,068956E+09	1,149910E+09	1,182730E+09	1,184716E+09	1,184726E+09	1,182743E+09	1,149895E+09
-2915	1,068913E+09	9,615010E+08	8,825286E+08	8,825402E+08	9,615285E+08	1,068945E+09	1,149913E+09	1,182726E+09	1,184691E+09	1,184686E+09	1,182714E+09	1,149902E+09
-2914	1,068951E+09	9,615520E+08	8,825669E+08	8,825555E+08	9,615296E+08	1,068940E+09	1,149907E+09	1,182729E+09	1,184704E+09	1,184705E+09	1,182740E+09	1,149931E+09
-2913	1,068961E+09	9,615373E+08	8,825452E+08	8,825354E+08	9,615119E+08	1,068929E+09	1,149904E+09	1,182729E+09	1,184703E+09	1,184696E+09	1,182707E+09	1,149873E+09
-2912	1,068906E+09	9,614955E+08	8,825232E+08	8,825273E+08	9,615054E+08	1,068916E+09	1,149889E+09	1,182718E+09	1,184697E+09	1,184694E+09	1,182712E+09	1,149893E+09
-2911	1,068947E+09	9,615407E+08	8,825480E+08	8,825451E+08	9,615306E+08	1,068941E+09	1,149901E+09	1,182718E+09	1,184700E+09	1,184713E+09	1,182746E+09	1,149907E+09
-2910	1,068914E+09	9,614890E+08	8,825049E+08	8,825139E+08	9,615125E+08	1,068939E+09	1,149908E+09	1,182719E+09	1,184682E+09	1,184676E+09	1,182699E+09	1,149877E+09
-2909	1,068904E+09	9,614870E+08	8,825117E+08	8,825171E+08	9,615058E+08	1,068929E+09	1,149904E+09	1,182724E+09	1,184693E+09	1,184691E+09	1,182725E+09	1,149921E+09
-2908	1,068962E+09	9,615262E+08	8,825231E+08	8,825239E+08	9,615169E+08	1,068940E+09	1,149913E+09	1,182734E+09	1,184708E+09	1,184710E+09	1,182732E+09	1,149891E+09
-2907	1,068909E+09	9,614854E+08	8,824952E+08	8,824994E+08	9,614966E+08	1,068931E+09	1,149916E+09	1,182735E+09	1,184695E+09	1,184679E+09	1,182697E+09	1,149877E+09
-2906	1,068923E+09	9,615289E+08	8,825510E+08	8,825411E+08	9,615135E+08	1,068925E+09	1,149898E+09	1,182730E+09	1,184713E+09	1,184715E+09	1,182741E+09	1,149924E+09
-2905	1,068956E+09	9,615380E+08	8,825533E+08	8,825502E+08	9,615259E+08	1,068932E+09	1,149896E+09	1,182720E+09	1,184707E+09	1,184715E+09	1,182729E+09	1,149885E+09
-2904	1,068907E+09	9,614983E+08	8,825357E+08	8,825502E+08	9,615308E+08	1,068935E+09	1,149894E+09	1,182714E+09	1,184694E+09	1,184695E+09	1,182716E+09	1,149899E+09
-2903	1,068957E+09	9,615634E+08	8,825840E+08	8,825824E+08	9,615572E+08	1,068955E+09	1,149908E+09	1,182724E+09	1,184704E+09	1,184713E+09	1,182748E+09	1,149928E+09
-2902	1,068954E+09	9,615454E+08	8,825725E+08	8,825760E+08	9,615505E+08	1,068953E+09	1,149913E+09	1,182729E+09	1,184699E+09	1,184686E+09	1,182695E+09	1,149874E+09
-2901	1,068925E+09	9,615406E+08	8,825875E+08	8,825887E+08	9,615469E+08	1,068939E+09	1,149904E+09	1,182733E+09	1,184712E+09	1,184703E+09	1,182718E+09	1,149905E+09
-2900	1,068970E+09	9,615856E+08	8,826157E+08	8,826131E+08	9,615712E+08	1,068953E+09	1,149905E+09	1,182734E+09	1,184726E+09	1,184734E+09	1,182749E+09	1,149902E+09
-2899	1,068926E+09	9,615347E+08	8,825782E+08	8,825866E+08	9,615585E+08	1,068957E+09	1,149915E+09	1,182729E+09	1,184704E+09	1,184696E+09	1,182707E+09	1,149880E+09
-2898	1,068927E+09	9,615496E+08	8,825986E+08	8,826005E+08	9,615608E+08	1,068950E+09	1,149904E+09	1,182726E+09	1,184712E+09	1,184719E+09	1,182745E+09	1,149932E+09
-2897	1,068980E+09	9,615732E+08	8,825921E+08	8,825901E+08	9,615578E+08	1,068952E+09	1,149905E+09	1,182723E+09	1,184706E+09	1,184714E+09	1,182736E+09	1,149899E+09
-2896	1,068928E+09	9,615252E+08	8,825543E+08	8,825587E+08	9,615340E+08	1,068939E+09	1,149903E+09	1,182726E+09	1,184699E+09	1,184684E+09	1,182699E+09	1,149887E+09
-2895	1,068949E+09	9,615665E+08	8,825902E+08	8,825775E+08	9,615400E+08	1,068937E+09	1,149901E+09	1,182730E+09	1,184713E+09	1,184713E+09	1,182738E+09	1,149923E+09
-2894	1,068955E+09	9,615424E+08	8,825675E+08	8,825694E+08	9,615381E+08	1,068935E+09	1,149896E+09	1,182720E+09	1,184700E+09	1,184696E+09	1,182703E+09	1,149868E+09
-2893	1,068904E+09	9,615042E+08	8,825411E+08	8,825518E+08	9,615284E+08	1,068933E+09	1,149896E+09	1,182717E+09	1,184692E+09	1,184693E+09	1,182718E+09	1,149896E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2892	1,068941E+09	9,615421E+08	8,825582E+08	8,825590E+08	9,615408E+08	1,068948E+09	1,149906E+09	1,182723E+09	1,184703E+09	1,184714E+09	1,182752E+09	1,149918E+09
-2891	1,068924E+09	9,615004E+08	8,825170E+08	8,825238E+08	9,615203E+08	1,068949E+09	1,149922E+09	1,182730E+09	1,184689E+09	1,184672E+09	1,182689E+09	1,149873E+09
-2890	1,068911E+09	9,615047E+08	8,825297E+08	8,825303E+08	9,615116E+08	1,068930E+09	1,149907E+09	1,182734E+09	1,184708E+09	1,184700E+09	1,182720E+09	1,149910E+09
-2889	1,068965E+09	9,615512E+08	8,825531E+08	8,825454E+08	9,615196E+08	1,068927E+09	1,149897E+09	1,182726E+09	1,184712E+09	1,184718E+09	1,182737E+09	1,149894E+09
-2888	1,068913E+09	9,615035E+08	8,825270E+08	8,825336E+08	9,615154E+08	1,068924E+09	1,149892E+09	1,182721E+09	1,184701E+09	1,184690E+09	1,182701E+09	1,149875E+09
-2887	1,068920E+09	9,615374E+08	8,825719E+08	8,825686E+08	9,615359E+08	1,068932E+09	1,149891E+09	1,182718E+09	1,184708E+09	1,184718E+09	1,182750E+09	1,149935E+09
-2886	1,068963E+09	9,615470E+08	8,825751E+08	8,825826E+08	9,615524E+08	1,068945E+09	1,149895E+09	1,182709E+09	1,184691E+09	1,184699E+09	1,182719E+09	1,149888E+09
-2885	1,068923E+09	9,615230E+08	8,825614E+08	8,825739E+08	9,615481E+08	1,068947E+09	1,149905E+09	1,182719E+09	1,184688E+09	1,184682E+09	1,182706E+09	1,149894E+09
-2884	1,068959E+09	9,615840E+08	8,826123E+08	8,826041E+08	9,615648E+08	1,068954E+09	1,149908E+09	1,182732E+09	1,184714E+09	1,184716E+09	1,182743E+09	1,149922E+09
-2883	1,068957E+09	9,615639E+08	8,826021E+08	8,826027E+08	9,615664E+08	1,068960E+09	1,149917E+09	1,182735E+09	1,184710E+09	1,184692E+09	1,182688E+09	1,149861E+09
-2882	1,068920E+09	9,615517E+08	8,826102E+08	8,826167E+08	9,615702E+08	1,068950E+09	1,149905E+09	1,182735E+09	1,184722E+09	1,184718E+09	1,182724E+09	1,149901E+09
-2881	1,068969E+09	9,615989E+08	8,826359E+08	8,826331E+08	9,615841E+08	1,068956E+09	1,149900E+09	1,182725E+09	1,184721E+09	1,184736E+09	1,182758E+09	1,149916E+09
-2880	1,068936E+09	9,615461E+08	8,825956E+08	8,826061E+08	9,615710E+08	1,068957E+09	1,149908E+09	1,182728E+09	1,184709E+09	1,184696E+09	1,182703E+09	1,149882E+09
-2879	1,068935E+09	9,615625E+08	8,826120E+08	8,826116E+08	9,615672E+08	1,068951E+09	1,149905E+09	1,182731E+09	1,184717E+09	1,184719E+09	1,182742E+09	1,149934E+09
-2878	1,068988E+09	9,615895E+08	8,826160E+08	8,826122E+08	9,615664E+08	1,068948E+09	1,149898E+09	1,182719E+09	1,184705E+09	1,184709E+09	1,182722E+09	1,149889E+09
-2877	1,068931E+09	9,615462E+08	8,825835E+08	8,825849E+08	9,615473E+08	1,068939E+09	1,149900E+09	1,182724E+09	1,184699E+09	1,184687E+09	1,182700E+09	1,149878E+09
-2876	1,068938E+09	9,615725E+08	8,826109E+08	8,826015E+08	9,615554E+08	1,068937E+09	1,149891E+09	1,182722E+09	1,184715E+09	1,184721E+09	1,182747E+09	1,149928E+09
-2875	1,068953E+09	9,615446E+08	8,825790E+08	8,825859E+08	9,615577E+08	1,068953E+09	1,149902E+09	1,182714E+09	1,184694E+09	1,184691E+09	1,182699E+09	1,149868E+09
-2874	1,068907E+09	9,615097E+08	8,825493E+08	8,825646E+08	9,615440E+08	1,068947E+09	1,149907E+09	1,182722E+09	1,184694E+09	1,184692E+09	1,182713E+09	1,149894E+09
-2873	1,068950E+09	9,615602E+08	8,825731E+08	8,825662E+08	9,615400E+08	1,068943E+09	1,149904E+09	1,182724E+09	1,184702E+09	1,184709E+09	1,182746E+09	1,149920E+09
-2872	1,068934E+09	9,615207E+08	8,825424E+08	8,825427E+08	9,615238E+08	1,068939E+09	1,149910E+09	1,182734E+09	1,184705E+09	1,184680E+09	1,182681E+09	1,149862E+09
-2871	1,068909E+09	9,615193E+08	8,825559E+08	8,825554E+08	9,615237E+08	1,068926E+09	1,149896E+09	1,182731E+09	1,184718E+09	1,184714E+09	1,182727E+09	1,149910E+09
-2870	1,068963E+09	9,615612E+08	8,825811E+08	8,825806E+08	9,615439E+08	1,068931E+09	1,149883E+09	1,182709E+09	1,184703E+09	1,184718E+09	1,182738E+09	1,149896E+09
-2869	1,068920E+09	9,615211E+08	8,825545E+08	8,825645E+08	9,615417E+08	1,068940E+09	1,149895E+09	1,182713E+09	1,184688E+09	1,184684E+09	1,182705E+09	1,149880E+09
-2868	1,068924E+09	9,615492E+08	8,825925E+08	8,825917E+08	9,615532E+08	1,068941E+09	1,149894E+09	1,182719E+09	1,184705E+09	1,184712E+09	1,182746E+09	1,149941E+09
-2867	1,068977E+09	9,615665E+08	8,825966E+08	8,826011E+08	9,615698E+08	1,068962E+09	1,149909E+09	1,182718E+09	1,184694E+09	1,184690E+09	1,182700E+09	1,149875E+09
-2866	1,068928E+09	9,615454E+08	8,825900E+08	8,825977E+08	9,615623E+08	1,068955E+09	1,149913E+09	1,182733E+09	1,184705E+09	1,184691E+09	1,182697E+09	1,149877E+09
-2865	1,068954E+09	9,616028E+08	8,826433E+08	8,826305E+08	9,615740E+08	1,068947E+09	1,149899E+09	1,182731E+09	1,184724E+09	1,184728E+09	1,182748E+09	1,149921E+09
-2864	1,068956E+09	9,615755E+08	8,826289E+08	8,826332E+08	9,615853E+08	1,068958E+09	1,149902E+09	1,182730E+09	1,184723E+09	1,184708E+09	1,182697E+09	1,149861E+09
-2863	1,068917E+09	9,615562E+08	8,826243E+08	8,826350E+08	9,615860E+08	1,068957E+09	1,149901E+09	1,182728E+09	1,184722E+09	1,184726E+09	1,182736E+09	1,149914E+09
-2862	1,068978E+09	9,616070E+08	8,826527E+08	8,826535E+08	9,615973E+08	1,068960E+09	1,149895E+09	1,182715E+09	1,184709E+09	1,184725E+09	1,182752E+09	1,149923E+09
-2861	1,068957E+09	9,615725E+08	8,826202E+08	8,826234E+08	9,615793E+08	1,068960E+09	1,149909E+09	1,182727E+09	1,184701E+09	1,184687E+09	1,182697E+09	1,149878E+09
-2860	1,068939E+09	9,615811E+08	8,826385E+08	8,826312E+08	9,615715E+08	1,068943E+09	1,149896E+09	1,182730E+09	1,184722E+09	1,184720E+09	1,182736E+09	1,149929E+09
-2859	1,068991E+09	9,616047E+08	8,826419E+08	8,826372E+08	9,615853E+08	1,068958E+09	1,149898E+09	1,182716E+09	1,184706E+09	1,184709E+09	1,182714E+09	1,149875E+09
-2858	1,068925E+09	9,615543E+08	8,826035E+08	8,826098E+08	9,615710E+08	1,068954E+09	1,149903E+09	1,182722E+09	1,184701E+09	1,184693E+09	1,182699E+09	1,149870E+09
-2857	1,068930E+09	9,615759E+08	8,826242E+08	8,826172E+08	9,615687E+08	1,068946E+09	1,149893E+09	1,182717E+09	1,184709E+09	1,184719E+09	1,182749E+09	1,149935E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2856	1,068959E+09	9,615508E+08	8,825910E+08	8,826005E+08	9,615688E+08	1,068956E+09	1,149903E+09	1,182721E+09	1,184703E+09	1,184693E+09	1,182693E+09	1,149865E+09
-2855	1,068911E+09	9,615180E+08	8,825574E+08	8,825693E+08	9,615468E+08	1,068949E+09	1,149910E+09	1,182731E+09	1,184706E+09	1,184699E+09	1,182713E+09	1,149895E+09
-2854	1,068954E+09	9,615725E+08	8,825959E+08	8,825851E+08	9,615438E+08	1,068935E+09	1,149894E+09	1,182721E+09	1,184706E+09	1,184712E+09	1,182740E+09	1,149917E+09
-2853	1,068941E+09	9,615416E+08	8,825729E+08	8,825695E+08	9,615354E+08	1,068933E+09	1,149898E+09	1,182725E+09	1,184702E+09	1,184688E+09	1,182691E+09	1,149861E+09
-2852	1,068905E+09	9,615291E+08	8,825810E+08	8,825827E+08	9,615399E+08	1,068924E+09	1,149881E+09	1,182716E+09	1,184713E+09	1,184719E+09	1,182737E+09	1,149921E+09
-2851	1,068972E+09	9,615740E+08	8,826021E+08	8,826034E+08	9,615678E+08	1,068950E+09	1,149887E+09	1,182698E+09	1,184690E+09	1,184707E+09	1,182730E+09	1,149896E+09
-2850	1,068930E+09	9,615398E+08	8,825779E+08	8,825878E+08	9,615628E+08	1,068957E+09	1,149907E+09	1,182717E+09	1,184686E+09	1,184676E+09	1,182691E+09	1,149872E+09
-2849	1,068933E+09	9,615739E+08	8,826204E+08	8,826120E+08	9,615625E+08	1,068943E+09	1,149896E+09	1,182723E+09	1,184708E+09	1,184706E+09	1,182732E+09	1,149934E+09
-2848	1,068984E+09	9,615899E+08	8,826315E+08	8,826318E+08	9,615834E+08	1,068957E+09	1,149903E+09	1,182728E+09	1,184715E+09	1,184700E+09	1,182691E+09	1,149858E+09
-2847	1,068921E+09	9,615573E+08	8,826176E+08	8,826269E+08	9,615813E+08	1,068958E+09	1,149910E+09	1,182738E+09	1,184722E+09	1,184711E+09	1,182709E+09	1,149877E+09
-2846	1,068948E+09	9,616070E+08	8,826693E+08	8,826633E+08	9,615963E+08	1,068953E+09	1,149892E+09	1,182721E+09	1,184722E+09	1,184735E+09	1,182755E+09	1,149928E+09
-2845	1,068963E+09	9,615888E+08	8,826523E+08	8,826586E+08	9,616045E+08	1,068969E+09	1,149905E+09	1,182724E+09	1,184714E+09	1,184711E+09	1,182710E+09	1,149872E+09
-2844	1,068925E+09	9,615675E+08	8,826414E+08	8,826517E+08	9,615958E+08	1,068959E+09	1,149900E+09	1,182726E+09	1,184721E+09	1,184725E+09	1,182739E+09	1,149925E+09
-2843	1,068997E+09	9,616277E+08	8,826710E+08	8,826645E+08	9,616068E+08	1,068969E+09	1,149899E+09	1,182714E+09	1,184707E+09	1,184716E+09	1,182735E+09	1,149911E+09
-2842	1,068963E+09	9,615955E+08	8,826496E+08	8,826461E+08	9,615904E+08	1,068962E+09	1,149909E+09	1,182730E+09	1,184708E+09	1,184690E+09	1,182686E+09	1,149863E+09
-2841	1,068936E+09	9,615960E+08	8,826652E+08	8,826561E+08	9,615822E+08	1,068937E+09	1,149884E+09	1,182721E+09	1,184720E+09	1,184722E+09	1,182735E+09	1,149924E+09
-2840	1,068987E+09	9,616096E+08	8,826611E+08	8,826629E+08	9,616044E+08	1,068959E+09	1,149888E+09	1,182711E+09	1,184710E+09	1,184713E+09	1,182714E+09	1,149870E+09
-2839	1,068919E+09	9,615520E+08	8,826108E+08	8,826224E+08	9,615858E+08	1,068967E+09	1,149910E+09	1,182723E+09	1,184701E+09	1,184696E+09	1,182706E+09	1,149877E+09
-2838	1,068933E+09	9,615760E+08	8,826338E+08	8,826287E+08	9,615751E+08	1,068950E+09	1,149896E+09	1,182716E+09	1,184703E+09	1,184710E+09	1,182741E+09	1,149935E+09
-2837	1,068972E+09	9,615710E+08	8,826107E+08	8,826115E+08	9,615710E+08	1,068956E+09	1,149905E+09	1,182724E+09	1,184703E+09	1,184694E+09	1,182693E+09	1,149860E+09
-2836	1,068913E+09	9,615334E+08	8,825813E+08	8,825862E+08	9,615477E+08	1,068937E+09	1,149898E+09	1,182729E+09	1,184714E+09	1,184708E+09	1,182715E+09	1,149895E+09
-2835	1,068962E+09	9,615885E+08	8,826200E+08	8,826081E+08	9,615609E+08	1,068941E+09	1,149887E+09	1,182711E+09	1,184704E+09	1,184715E+09	1,182737E+09	1,149909E+09
-2834	1,068943E+09	9,615571E+08	8,826010E+08	8,826001E+08	9,615602E+08	1,068946E+09	1,149898E+09	1,182719E+09	1,184699E+09	1,184690E+09	1,182691E+09	1,149860E+09
-2833	1,068908E+09	9,615414E+08	8,826049E+08	8,826081E+08	9,615577E+08	1,068933E+09	1,149882E+09	1,182709E+09	1,184702E+09	1,184711E+09	1,182733E+09	1,149926E+09
-2832	1,068984E+09	9,615903E+08	8,826262E+08	8,826294E+08	9,615861E+08	1,068957E+09	1,149891E+09	1,182708E+09	1,184697E+09	1,184703E+09	1,182717E+09	1,149886E+09
-2831	1,068934E+09	9,615561E+08	8,826007E+08	8,826065E+08	9,615756E+08	1,068967E+09	1,149917E+09	1,182730E+09	1,184701E+09	1,184685E+09	1,182688E+09	1,149864E+09
-2830	1,068930E+09	9,615855E+08	8,826521E+08	8,826417E+08	9,615747E+08	1,068942E+09	1,149893E+09	1,182726E+09	1,184718E+09	1,184715E+09	1,182730E+09	1,149924E+09
-2829	1,068985E+09	9,616074E+08	8,826640E+08	8,826649E+08	9,616027E+08	1,068959E+09	1,149896E+09	1,182723E+09	1,184719E+09	1,184718E+09	1,182709E+09	1,149860E+09
-2828	1,068916E+09	9,615618E+08	8,826375E+08	8,826515E+08	9,615974E+08	1,068959E+09	1,149899E+09	1,182727E+09	1,184723E+09	1,184722E+09	1,182725E+09	1,149894E+09
-2827	1,068963E+09	9,616180E+08	8,826839E+08	8,826799E+08	9,616146E+08	1,068969E+09	1,149894E+09	1,182711E+09	1,184711E+09	1,184727E+09	1,182753E+09	1,149934E+09
-2826	1,068981E+09	9,616110E+08	8,826749E+08	8,826767E+08	9,616158E+08	1,068975E+09	1,149909E+09	1,182725E+09	1,184708E+09	1,184701E+09	1,182698E+09	1,149869E+09
-2825	1,068939E+09	9,615927E+08	8,826688E+08	8,826696E+08	9,615990E+08	1,068953E+09	1,149893E+09	1,182722E+09	1,184715E+09	1,184714E+09	1,182725E+09	1,149918E+09
-2824	1,069005E+09	9,616513E+08	8,827050E+08	8,826943E+08	9,616187E+08	1,068962E+09	1,149890E+09	1,182717E+09	1,184717E+09	1,184718E+09	1,182723E+09	1,149893E+09
-2823	1,068955E+09	9,616041E+08	8,826726E+08	8,826725E+08	9,616104E+08	1,068970E+09	1,149908E+09	1,182730E+09	1,184715E+09	1,184700E+09	1,182690E+09	1,149856E+09
-2822	1,068925E+09	9,615941E+08	8,826840E+08	8,826823E+08	9,616026E+08	1,068948E+09	1,149884E+09	1,182715E+09	1,184715E+09	1,184721E+09	1,182734E+09	1,149923E+09
-2821	1,068989E+09	9,616158E+08	8,826753E+08	8,826809E+08	9,616199E+08	1,068972E+09	1,149897E+09	1,182711E+09	1,184704E+09	1,184714E+09	1,182721E+09	1,149874E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2820	1,068921E+09	9,615553E+08	8,826178E+08	8,826295E+08	9,615882E+08	1,068967E+09	1,149913E+09	1,182730E+09	1,184707E+09	1,184698E+09	1,182708E+09	1,149885E+09
-2819	1,068948E+09	9,615911E+08	8,826450E+08	8,826332E+08	9,615776E+08	1,068954E+09	1,149899E+09	1,182721E+09	1,184708E+09	1,184710E+09	1,182731E+09	1,149924E+09
-2818	1,068978E+09	9,615916E+08	8,826383E+08	8,826318E+08	9,615761E+08	1,068951E+09	1,149901E+09	1,182727E+09	1,184712E+09	1,184703E+09	1,182692E+09	1,149852E+09
-2817	1,068914E+09	9,615478E+08	8,826083E+08	8,826129E+08	9,615590E+08	1,068929E+09	1,149880E+09	1,182715E+09	1,184710E+09	1,184712E+09	1,182721E+09	1,149898E+09
-2816	1,068967E+09	9,616009E+08	8,826450E+08	8,826383E+08	9,615814E+08	1,068942E+09	1,149875E+09	1,182702E+09	1,184702E+09	1,184715E+09	1,182738E+09	1,149908E+09
-2815	1,068945E+09	9,615654E+08	8,826188E+08	8,826227E+08	9,615813E+08	1,068962E+09	1,149904E+09	1,182717E+09	1,184694E+09	1,184687E+09	1,182693E+09	1,149864E+09
-2814	1,068915E+09	9,615530E+08	8,826284E+08	8,826317E+08	9,615721E+08	1,068941E+09	1,149887E+09	1,182711E+09	1,184697E+09	1,184698E+09	1,182719E+09	1,149917E+09
-2813	1,068994E+09	9,616145E+08	8,826573E+08	8,826549E+08	9,615992E+08	1,068963E+09	1,149897E+09	1,182714E+09	1,184701E+09	1,184706E+09	1,182715E+09	1,149876E+09
-2812	1,068931E+09	9,615704E+08	8,826302E+08	8,826347E+08	9,615873E+08	1,068964E+09	1,149913E+09	1,182736E+09	1,184715E+09	1,184700E+09	1,182694E+09	1,149864E+09
-2811	1,068934E+09	9,615971E+08	8,826728E+08	8,826663E+08	9,615971E+08	1,068955E+09	1,149891E+09	1,182721E+09	1,184720E+09	1,184723E+09	1,182733E+09	1,149918E+09
-2810	1,068985E+09	9,616209E+08	8,826900E+08	8,826934E+08	9,616249E+08	1,068972E+09	1,149898E+09	1,182721E+09	1,184720E+09	1,184723E+09	1,182715E+09	1,149867E+09
-2809	1,068926E+09	9,615759E+08	8,826590E+08	8,826735E+08	9,616097E+08	1,068961E+09	1,149895E+09	1,182720E+09	1,184714E+09	1,184716E+09	1,182725E+09	1,149905E+09
-2808	1,068982E+09	9,616394E+08	8,827069E+08	8,827009E+08	9,616242E+08	1,068965E+09	1,149891E+09	1,182717E+09	1,184715E+09	1,184721E+09	1,182740E+09	1,149926E+09
-2807	1,068989E+09	9,616325E+08	8,827008E+08	8,826966E+08	9,616253E+08	1,068978E+09	1,149911E+09	1,182731E+09	1,184716E+09	1,184704E+09	1,182693E+09	1,149860E+09
-2806	1,068936E+09	9,616075E+08	8,827021E+08	8,826996E+08	9,616096E+08	1,068949E+09	1,149885E+09	1,182719E+09	1,184717E+09	1,184714E+09	1,182717E+09	1,149904E+09
-2805	1,069001E+09	9,616650E+08	8,827333E+08	8,827256E+08	9,616394E+08	1,068967E+09	1,149884E+09	1,182708E+09	1,184713E+09	1,184726E+09	1,182733E+09	1,149889E+09
-2804	1,068945E+09	9,616033E+08	8,826856E+08	8,826926E+08	9,616267E+08	1,068977E+09	1,149905E+09	1,182724E+09	1,184714E+09	1,184705E+09	1,182700E+09	1,149867E+09
-2803	1,068933E+09	9,615962E+08	8,826859E+08	8,826901E+08	9,616178E+08	1,068966E+09	1,149892E+09	1,182713E+09	1,184708E+09	1,184713E+09	1,182728E+09	1,149920E+09
-2802	1,068998E+09	9,616306E+08	8,826899E+08	8,826921E+08	9,616261E+08	1,068976E+09	1,149904E+09	1,182720E+09	1,184708E+09	1,184709E+09	1,182713E+09	1,149872E+09
-2801	1,068932E+09	9,615735E+08	8,826378E+08	8,826419E+08	9,615857E+08	1,068955E+09	1,149904E+09	1,182729E+09	1,184710E+09	1,184698E+09	1,182702E+09	1,149882E+09
-2800	1,068956E+09	9,616112E+08	8,826729E+08	8,826585E+08	9,615838E+08	1,068940E+09	1,149885E+09	1,182722E+09	1,184719E+09	1,184717E+09	1,182729E+09	1,149913E+09
-2799	1,068974E+09	9,616024E+08	8,826609E+08	8,826581E+08	9,615950E+08	1,068956E+09	1,149895E+09	1,182720E+09	1,184714E+09	1,184712E+09	1,182702E+09	1,149853E+09
-2798	1,068908E+09	9,615531E+08	8,826326E+08	8,826421E+08	9,615802E+08	1,068939E+09	1,149878E+09	1,182704E+09	1,184698E+09	1,184705E+09	1,182720E+09	1,149900E+09
-2797	1,068975E+09	9,616152E+08	8,826674E+08	8,826646E+08	9,616036E+08	1,068957E+09	1,149883E+09	1,182698E+09	1,184692E+09	1,184710E+09	1,182739E+09	1,149910E+09
-2796	1,068951E+09	9,615760E+08	8,826338E+08	8,826394E+08	9,615929E+08	1,068969E+09	1,149910E+09	1,182725E+09	1,184700E+09	1,184686E+09	1,182688E+09	1,149864E+09
-2795	1,068927E+09	9,615709E+08	8,826459E+08	8,826472E+08	9,615850E+08	1,068951E+09	1,149894E+09	1,182719E+09	1,184706E+09	1,184700E+09	1,182707E+09	1,149900E+09
-2794	1,068992E+09	9,616346E+08	8,826898E+08	8,826843E+08	9,616121E+08	1,068962E+09	1,149896E+09	1,182721E+09	1,184715E+09	1,184716E+09	1,182715E+09	1,149869E+09
-2793	1,068930E+09	9,615811E+08	8,826556E+08	8,826629E+08	9,616008E+08	1,068958E+09	1,149897E+09	1,182726E+09	1,184717E+09	1,184709E+09	1,182705E+09	1,149871E+09
-2792	1,068942E+09	9,616112E+08	8,826963E+08	8,826936E+08	9,616130E+08	1,068953E+09	1,149883E+09	1,182716E+09	1,184721E+09	1,184726E+09	1,182738E+09	1,149923E+09
-2791	1,068993E+09	9,616352E+08	8,827087E+08	8,827127E+08	9,616395E+08	1,068980E+09	1,149901E+09	1,182719E+09	1,184716E+09	1,184720E+09	1,182718E+09	1,149874E+09
-2790	1,068937E+09	9,615974E+08	8,826883E+08	8,826966E+08	9,616193E+08	1,068961E+09	1,149892E+09	1,182716E+09	1,184707E+09	1,184702E+09	1,182710E+09	1,149898E+09
-2789	1,068995E+09	9,616698E+08	8,827437E+08	8,827309E+08	9,616376E+08	1,068964E+09	1,149885E+09	1,182712E+09	1,184714E+09	1,184721E+09	1,182735E+09	1,149914E+09
-2788	1,068985E+09	9,616471E+08	8,827306E+08	8,827283E+08	9,616421E+08	1,068977E+09	1,149903E+09	1,182729E+09	1,184724E+09	1,184712E+09	1,182694E+09	1,149856E+09
-2787	1,068936E+09	9,616161E+08	8,827197E+08	8,827259E+08	9,616376E+08	1,068966E+09	1,149886E+09	1,182714E+09	1,184716E+09	1,184716E+09	1,182715E+09	1,149893E+09
-2786	1,068993E+09	9,616718E+08	8,827531E+08	8,827507E+08	9,616616E+08	1,068984E+09	1,149894E+09	1,182712E+09	1,184714E+09	1,184726E+09	1,182734E+09	1,149893E+09
-2785	1,068949E+09	9,616071E+08	8,826953E+08	8,827059E+08	9,616360E+08	1,068981E+09	1,149908E+09	1,182726E+09	1,184713E+09	1,184703E+09	1,182700E+09	1,149875E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2784	1,068947E+09	9,616107E+08	8,826970E+08	8,826988E+08	9,616190E+08	1,068961E+09	1,149894E+09	1,182726E+09	1,184720E+09	1,184715E+09	1,182721E+09	1,149913E+09
-2783	1,069001E+09	9,616460E+08	8,827068E+08	8,827031E+08	9,616279E+08	1,068974E+09	1,149904E+09	1,182727E+09	1,184721E+09	1,184720E+09	1,182716E+09	1,149869E+09
-2782	1,068929E+09	9,615871E+08	8,826656E+08	8,826661E+08	9,615919E+08	1,068944E+09	1,149888E+09	1,182721E+09	1,184710E+09	1,184701E+09	1,182703E+09	1,149878E+09
-2781	1,068957E+09	9,616248E+08	8,826981E+08	8,826876E+08	9,616032E+08	1,068941E+09	1,149870E+09	1,182703E+09	1,184710E+09	1,184723E+09	1,182741E+09	1,149918E+09
-2780	1,068972E+09	9,616071E+08	8,826763E+08	8,826802E+08	9,616129E+08	1,068964E+09	1,149891E+09	1,182710E+09	1,184706E+09	1,184709E+09	1,182707E+09	1,149866E+09
-2779	1,068923E+09	9,615642E+08	8,826410E+08	8,826558E+08	9,615992E+08	1,068957E+09	1,149886E+09	1,182701E+09	1,184687E+09	1,184689E+09	1,182704E+09	1,149890E+09
-2778	1,068980E+09	9,616363E+08	8,826917E+08	8,826844E+08	9,616158E+08	1,068966E+09	1,149894E+09	1,182710E+09	1,184697E+09	1,184700E+09	1,182721E+09	1,149900E+09
-2777	1,068956E+09	9,615959E+08	8,826614E+08	8,826622E+08	9,616001E+08	1,068963E+09	1,149905E+09	1,182729E+09	1,184710E+09	1,184690E+09	1,182681E+09	1,149856E+09
-2776	1,068930E+09	9,615893E+08	8,826737E+08	8,826760E+08	9,615973E+08	1,068944E+09	1,149887E+09	1,182727E+09	1,184723E+09	1,184713E+09	1,182708E+09	1,149890E+09
-2775	1,068984E+09	9,616440E+08	8,827128E+08	8,827128E+08	9,616344E+08	1,068971E+09	1,149894E+09	1,182719E+09	1,184723E+09	1,184731E+09	1,182731E+09	1,149876E+09
-2774	1,068927E+09	9,615910E+08	8,826824E+08	8,826913E+08	9,616180E+08	1,068962E+09	1,149892E+09	1,182717E+09	1,184710E+09	1,184706E+09	1,182708E+09	1,149880E+09
-2773	1,068955E+09	9,616316E+08	8,827225E+08	8,827206E+08	9,616311E+08	1,068960E+09	1,149881E+09	1,182708E+09	1,184713E+09	1,184725E+09	1,182741E+09	1,149928E+09
-2772	1,069003E+09	9,616553E+08	8,827321E+08	8,827331E+08	9,616501E+08	1,068982E+09	1,149901E+09	1,182721E+09	1,184720E+09	1,184720E+09	1,182712E+09	1,149875E+09
-2771	1,068951E+09	9,616216E+08	8,827136E+08	8,827197E+08	9,616364E+08	1,068969E+09	1,149891E+09	1,182716E+09	1,184710E+09	1,184700E+09	1,182696E+09	1,149880E+09
-2770	1,068990E+09	9,616899E+08	8,827796E+08	8,827669E+08	9,616593E+08	1,068969E+09	1,149883E+09	1,182714E+09	1,184721E+09	1,184724E+09	1,182730E+09	1,149908E+09
-2769	1,068981E+09	9,616531E+08	8,827517E+08	8,827569E+08	9,616629E+08	1,068980E+09	1,149894E+09	1,182720E+09	1,184723E+09	1,184716E+09	1,182700E+09	1,149862E+09
-2768	1,068940E+09	9,616231E+08	8,827326E+08	8,827450E+08	9,616527E+08	1,068972E+09	1,149890E+09	1,182718E+09	1,184717E+09	1,184717E+09	1,182717E+09	1,149895E+09
-2767	1,068993E+09	9,616773E+08	8,827613E+08	8,827607E+08	9,616716E+08	1,068994E+09	1,149904E+09	1,182720E+09	1,184717E+09	1,184726E+09	1,182736E+09	1,149897E+09
-2766	1,068953E+09	9,616220E+08	8,827146E+08	8,827165E+08	9,616352E+08	1,068976E+09	1,149906E+09	1,182729E+09	1,184715E+09	1,184698E+09	1,182691E+09	1,149872E+09
-2765	1,068957E+09	9,616347E+08	8,827246E+08	8,827186E+08	9,616239E+08	1,068953E+09	1,149883E+09	1,182719E+09	1,184724E+09	1,184724E+09	1,182723E+09	1,149908E+09
-2764	1,068999E+09	9,616573E+08	8,827274E+08	8,827237E+08	9,616371E+08	1,068967E+09	1,149890E+09	1,182719E+09	1,184725E+09	1,184729E+09	1,182722E+09	1,149872E+09
-2763	1,068933E+09	9,615975E+08	8,826801E+08	8,826880E+08	9,616165E+08	1,068957E+09	1,149883E+09	1,182707E+09	1,184702E+09	1,184697E+09	1,182699E+09	1,149873E+09
-2762	1,068956E+09	9,616374E+08	8,827214E+08	8,827141E+08	9,616253E+08	1,068955E+09	1,149876E+09	1,182701E+09	1,184702E+09	1,184711E+09	1,182732E+09	1,149921E+09
-2761	1,068979E+09	9,616154E+08	8,826905E+08	8,826981E+08	9,616263E+08	1,068969E+09	1,149893E+09	1,182711E+09	1,184703E+09	1,184700E+09	1,182697E+09	1,149867E+09
-2760	1,068935E+09	9,615843E+08	8,826603E+08	8,826716E+08	9,616055E+08	1,068958E+09	1,149894E+09	1,182718E+09	1,184701E+09	1,184690E+09	1,182692E+09	1,149874E+09
-2759	1,068973E+09	9,616508E+08	8,827160E+08	8,827046E+08	9,616248E+08	1,068968E+09	1,149898E+09	1,182722E+09	1,184715E+09	1,184715E+09	1,182723E+09	1,149890E+09
-2758	1,068946E+09	9,616084E+08	8,826923E+08	8,826910E+08	9,616125E+08	1,068957E+09	1,149892E+09	1,182724E+09	1,184718E+09	1,184702E+09	1,182687E+09	1,149856E+09
-2757	1,068930E+09	9,616035E+08	8,827003E+08	8,827066E+08	9,616192E+08	1,068947E+09	1,149872E+09	1,182708E+09	1,184720E+09	1,184727E+09	1,182725E+09	1,149900E+09
-2756	1,068987E+09	9,616514E+08	8,827295E+08	8,827342E+08	9,616511E+08	1,068977E+09	1,149889E+09	1,182710E+09	1,184717E+09	1,184733E+09	1,182739E+09	1,149895E+09
-2755	1,068949E+09	9,616107E+08	8,826992E+08	8,827110E+08	9,616383E+08	1,068974E+09	1,149893E+09	1,182711E+09	1,184700E+09	1,184693E+09	1,182695E+09	1,149876E+09
-2754	1,068968E+09	9,616622E+08	8,827583E+08	8,827492E+08	9,616466E+08	1,068965E+09	1,149884E+09	1,182712E+09	1,184713E+09	1,184713E+09	1,182724E+09	1,149922E+09
-2753	1,069012E+09	9,616785E+08	8,827667E+08	8,827647E+08	9,616645E+08	1,068979E+09	1,149892E+09	1,182719E+09	1,184724E+09	1,184721E+09	1,182704E+09	1,149867E+09
-2752	1,068954E+09	9,616421E+08	8,827451E+08	8,827525E+08	9,616557E+08	1,068972E+09	1,149891E+09	1,182722E+09	1,184719E+09	1,184708E+09	1,182693E+09	1,149865E+09
-2751	1,068976E+09	9,616946E+08	8,828008E+08	8,827947E+08	9,616855E+08	1,068988E+09	1,149892E+09	1,182718E+09	1,184728E+09	1,184735E+09	1,182738E+09	1,149908E+09
-2750	1,068975E+09	9,616582E+08	8,827707E+08	8,827777E+08	9,616788E+08	1,068990E+09	1,149898E+09	1,182720E+09	1,184722E+09	1,184716E+09	1,182701E+09	1,149868E+09
-2749	1,068950E+09	9,616349E+08	8,827454E+08	8,827581E+08	9,616631E+08	1,068977E+09	1,149890E+09	1,182716E+09	1,184720E+09	1,184722E+09	1,182719E+09	1,149898E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2748	1,069000E+09	9,616887E+08	8,827731E+08	8,827667E+08	9,616710E+08	1,068990E+09	1,149903E+09	1,182726E+09	1,184728E+09	1,184732E+09	1,182736E+09	1,149902E+09
-2747	1,068966E+09	9,616401E+08	8,827320E+08	8,827299E+08	9,616405E+08	1,068970E+09	1,149896E+09	1,182724E+09	1,184718E+09	1,184700E+09	1,182684E+09	1,149860E+09
-2746	1,068953E+09	9,616511E+08	8,827546E+08	8,827467E+08	9,616376E+08	1,068949E+09	1,149871E+09	1,182710E+09	1,184722E+09	1,184723E+09	1,182722E+09	1,149909E+09
-2745	1,068999E+09	9,616637E+08	8,827467E+08	8,827477E+08	9,616540E+08	1,068967E+09	1,149874E+09	1,182701E+09	1,184715E+09	1,184728E+09	1,182725E+09	1,149879E+09
-2744	1,068942E+09	9,616093E+08	8,826955E+08	8,827054E+08	9,616298E+08	1,068965E+09	1,149887E+09	1,182707E+09	1,184694E+09	1,184688E+09	1,182690E+09	1,149868E+09
-2743	1,068955E+09	9,616462E+08	8,827354E+08	8,827294E+08	9,616405E+08	1,068970E+09	1,149889E+09	1,182710E+09	1,184704E+09	1,184705E+09	1,182722E+09	1,149914E+09
-2742	1,068980E+09	9,616333E+08	8,827163E+08	8,827157E+08	9,616328E+08	1,068968E+09	1,149893E+09	1,182716E+09	1,184708E+09	1,184696E+09	1,182684E+09	1,149857E+09
-2741	1,068938E+09	9,616041E+08	8,826902E+08	8,826976E+08	9,616181E+08	1,068955E+09	1,149885E+09	1,182715E+09	1,184712E+09	1,184707E+09	1,182696E+09	1,149867E+09
-2740	1,068965E+09	9,616566E+08	8,827371E+08	8,827292E+08	9,616407E+08	1,068969E+09	1,149890E+09	1,182719E+09	1,184725E+09	1,184732E+09	1,182736E+09	1,149898E+09
-2739	1,068951E+09	9,616174E+08	8,827089E+08	8,827154E+08	9,616378E+08	1,068970E+09	1,149889E+09	1,182714E+09	1,184713E+09	1,184705E+09	1,182691E+09	1,149859E+09
-2738	1,068935E+09	9,616201E+08	8,827284E+08	8,827356E+08	9,616411E+08	1,068959E+09	1,149876E+09	1,182706E+09	1,184713E+09	1,184718E+09	1,182723E+09	1,149913E+09
-2737	1,069004E+09	9,616688E+08	8,827511E+08	8,827551E+08	9,616643E+08	1,068979E+09	1,149886E+09	1,182707E+09	1,184715E+09	1,184726E+09	1,182731E+09	1,149899E+09
-2736	1,068969E+09	9,616417E+08	8,827302E+08	8,827332E+08	9,616465E+08	1,068975E+09	1,149899E+09	1,182722E+09	1,184708E+09	1,184691E+09	1,182681E+09	1,149860E+09
-2735	1,068966E+09	9,616826E+08	8,827925E+08	8,827803E+08	9,616640E+08	1,068970E+09	1,149887E+09	1,182720E+09	1,184726E+09	1,184722E+09	1,182720E+09	1,149908E+09
-2734	1,069002E+09	9,616923E+08	8,828007E+08	8,827985E+08	9,616842E+08	1,068980E+09	1,149883E+09	1,182713E+09	1,184727E+09	1,184727E+09	1,182706E+09	1,149864E+09
-2733	1,068953E+09	9,616535E+08	8,827699E+08	8,827817E+08	9,616799E+08	1,068982E+09	1,149885E+09	1,182709E+09	1,184719E+09	1,184720E+09	1,182705E+09	1,149871E+09
-2732	1,068974E+09	9,616946E+08	8,828099E+08	8,828071E+08	9,616970E+08	1,068996E+09	1,149896E+09	1,182718E+09	1,184728E+09	1,184737E+09	1,182742E+09	1,149919E+09
-2731	1,068990E+09	9,616706E+08	8,827795E+08	8,827871E+08	9,616891E+08	1,068996E+09	1,149900E+09	1,182720E+09	1,184719E+09	1,184709E+09	1,182691E+09	1,149862E+09
-2730	1,068959E+09	9,616597E+08	8,827742E+08	8,827768E+08	9,616674E+08	1,068973E+09	1,149887E+09	1,182719E+09	1,184723E+09	1,184716E+09	1,182708E+09	1,149896E+09
-2729	1,069007E+09	9,617041E+08	8,827978E+08	8,827874E+08	9,616754E+08	1,068977E+09	1,149885E+09	1,182717E+09	1,184730E+09	1,184737E+09	1,182734E+09	1,149899E+09
-2728	1,068973E+09	9,616575E+08	8,827584E+08	8,827553E+08	9,616532E+08	1,068969E+09	1,149889E+09	1,182719E+09	1,184717E+09	1,184704E+09	1,182684E+09	1,149850E+09
-2727	1,068944E+09	9,616558E+08	8,827747E+08	8,827720E+08	9,616606E+08	1,068965E+09	1,149875E+09	1,182705E+09	1,184717E+09	1,184723E+09	1,182724E+09	1,149907E+09
-2726	1,068995E+09	9,616705E+08	8,827656E+08	8,827679E+08	9,616704E+08	1,068978E+09	1,149878E+09	1,182696E+09	1,184705E+09	1,184718E+09	1,182717E+09	1,149880E+09
-2725	1,068952E+09	9,616237E+08	8,827128E+08	8,827219E+08	9,616447E+08	1,068976E+09	1,149891E+09	1,182706E+09	1,184697E+09	1,184691E+09	1,182685E+09	1,149862E+09
-2724	1,068954E+09	9,616536E+08	8,827495E+08	8,827396E+08	9,616453E+08	1,068973E+09	1,149895E+09	1,182721E+09	1,184719E+09	1,184714E+09	1,182719E+09	1,149909E+09
-2723	1,068984E+09	9,616457E+08	8,827355E+08	8,827364E+08	9,616459E+08	1,068968E+09	1,149888E+09	1,182717E+09	1,184717E+09	1,184706E+09	1,182684E+09	1,149847E+09
-2722	1,068933E+09	9,616170E+08	8,827195E+08	8,827278E+08	9,616360E+08	1,068956E+09	1,149877E+09	1,182710E+09	1,184715E+09	1,184712E+09	1,182704E+09	1,149877E+09
-2721	1,068970E+09	9,616622E+08	8,827550E+08	8,827513E+08	9,616559E+08	1,068970E+09	1,149878E+09	1,182705E+09	1,184720E+09	1,184736E+09	1,182746E+09	1,149914E+09
-2720	1,068971E+09	9,616370E+08	8,827306E+08	8,827342E+08	9,616475E+08	1,068975E+09	1,149894E+09	1,182713E+09	1,184706E+09	1,184699E+09	1,182687E+09	1,149858E+09
-2719	1,068944E+09	9,616409E+08	8,827552E+08	8,827583E+08	9,616564E+08	1,068970E+09	1,149884E+09	1,182711E+09	1,184713E+09	1,184712E+09	1,182712E+09	1,149906E+09
-2718	1,069012E+09	9,616983E+08	8,827900E+08	8,827830E+08	9,616755E+08	1,068978E+09	1,149881E+09	1,182707E+09	1,184717E+09	1,184722E+09	1,182718E+09	1,149887E+09
-2717	1,068975E+09	9,616672E+08	8,827693E+08	8,827697E+08	9,616677E+08	1,068977E+09	1,149888E+09	1,182714E+09	1,184716E+09	1,184704E+09	1,182680E+09	1,149848E+09
-2716	1,068956E+09	9,616884E+08	8,828169E+08	8,828107E+08	9,616878E+08	1,068980E+09	1,149886E+09	1,182720E+09	1,184734E+09	1,184735E+09	1,182727E+09	1,149908E+09
-2715	1,069003E+09	9,616983E+08	8,828178E+08	8,828250E+08	9,617106E+08	1,068995E+09	1,149885E+09	1,182709E+09	1,184723E+09	1,184728E+09	1,182708E+09	1,149863E+09
-2714	1,068954E+09	9,616632E+08	8,827915E+08	8,828049E+08	9,616968E+08	1,068993E+09	1,149893E+09	1,182714E+09	1,184717E+09	1,184714E+09	1,182704E+09	1,149881E+09
-2713	1,068986E+09	9,617040E+08	8,828225E+08	8,828183E+08	9,617015E+08	1,068994E+09	1,149893E+09	1,182719E+09	1,184732E+09	1,184739E+09	1,182740E+09	1,149922E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2712	1,069008E+09	9,616953E+08	8,828028E+08	8,827986E+08	9,616853E+08	1,068989E+09	1,149901E+09	1,182727E+09	1,184727E+09	1,184714E+09	1,182685E+09	1,149850E+09
-2711	1,068956E+09	9,616743E+08	8,828017E+08	8,828016E+08	9,616783E+08	1,068971E+09	1,149881E+09	1,182717E+09	1,184729E+09	1,184725E+09	1,182710E+09	1,149887E+09
-2710	1,069002E+09	9,617162E+08	8,828244E+08	8,828141E+08	9,616902E+08	1,068973E+09	1,149868E+09	1,182699E+09	1,184722E+09	1,184737E+09	1,182737E+09	1,149901E+09
-2709	1,068976E+09	9,616673E+08	8,827787E+08	8,827803E+08	9,616751E+08	1,068978E+09	1,149879E+09	1,182699E+09	1,184706E+09	1,184706E+09	1,182688E+09	1,149854E+09
-2708	1,068945E+09	9,616562E+08	8,827825E+08	8,827841E+08	9,616737E+08	1,068978E+09	1,149884E+09	1,182707E+09	1,184712E+09	1,184717E+09	1,182719E+09	1,149910E+09
-2707	1,069007E+09	9,616818E+08	8,827765E+08	8,827806E+08	9,616826E+08	1,068987E+09	1,149886E+09	1,182701E+09	1,184703E+09	1,184707E+09	1,182701E+09	1,149867E+09
-2706	1,068955E+09	9,616439E+08	8,827417E+08	8,827434E+08	9,616529E+08	1,068978E+09	1,149896E+09	1,182716E+09	1,184705E+09	1,184688E+09	1,182677E+09	1,149858E+09
-2705	1,068956E+09	9,616616E+08	8,827699E+08	8,827602E+08	9,616532E+08	1,068967E+09	1,149885E+09	1,182720E+09	1,184730E+09	1,184728E+09	1,182723E+09	1,149906E+09
-2704	1,068989E+09	9,616606E+08	8,827589E+08	8,827583E+08	9,616571E+08	1,068972E+09	1,149889E+09	1,182717E+09	1,184721E+09	1,184717E+09	1,182692E+09	1,149844E+09
-2703	1,068930E+09	9,616250E+08	8,827420E+08	8,827543E+08	9,616568E+08	1,068969E+09	1,149881E+09	1,182708E+09	1,184714E+09	1,184717E+09	1,182710E+09	1,149881E+09
-2702	1,068978E+09	9,616779E+08	8,827788E+08	8,827735E+08	9,616685E+08	1,068972E+09	1,149875E+09	1,182699E+09	1,184712E+09	1,184729E+09	1,182742E+09	1,149919E+09
-2701	1,068990E+09	9,616639E+08	8,827608E+08	8,827598E+08	9,616632E+08	1,068979E+09	1,149888E+09	1,182708E+09	1,184708E+09	1,184701E+09	1,182682E+09	1,149852E+09
-2700	1,068950E+09	9,616603E+08	8,827838E+08	8,827807E+08	9,616658E+08	1,068971E+09	1,149885E+09	1,182716E+09	1,184723E+09	1,184717E+09	1,182706E+09	1,149895E+09
-2699	1,069013E+09	9,617148E+08	8,828206E+08	8,828176E+08	9,616976E+08	1,068980E+09	1,149875E+09	1,182703E+09	1,184720E+09	1,184727E+09	1,182714E+09	1,149873E+09
-2698	1,068968E+09	9,616813E+08	8,828044E+08	8,828089E+08	9,616952E+08	1,068987E+09	1,149884E+09	1,182710E+09	1,184716E+09	1,184706E+09	1,182686E+09	1,149855E+09
-2697	1,068956E+09	9,616882E+08	8,828308E+08	8,828329E+08	9,617065E+08	1,068988E+09	1,149882E+09	1,182712E+09	1,184732E+09	1,184739E+09	1,182734E+09	1,149917E+09
-2696	1,069017E+09	9,617136E+08	8,828344E+08	8,828390E+08	9,617182E+08	1,069003E+09	1,149897E+09	1,182714E+09	1,184721E+09	1,184724E+09	1,182705E+09	1,149862E+09
-2695	1,068961E+09	9,616800E+08	8,828130E+08	8,828218E+08	9,617047E+08	1,068997E+09	1,149899E+09	1,182722E+09	1,184722E+09	1,184712E+09	1,182698E+09	1,149875E+09
-2694	1,068994E+09	9,617283E+08	8,828524E+08	8,828380E+08	9,617029E+08	1,068983E+09	1,149882E+09	1,182716E+09	1,184735E+09	1,184739E+09	1,182734E+09	1,149916E+09
-2693	1,069015E+09	9,617177E+08	8,828350E+08	8,828289E+08	9,617008E+08	1,068985E+09	1,149882E+09	1,182712E+09	1,184730E+09	1,184726E+09	1,182689E+09	1,149843E+09
-2692	1,068950E+09	9,616792E+08	8,828201E+08	8,828249E+08	9,616974E+08	1,068980E+09	1,149878E+09	1,182711E+09	1,184727E+09	1,184729E+09	1,182715E+09	1,149889E+09
-2691	1,069004E+09	9,617204E+08	8,828381E+08	8,828380E+08	9,617142E+08	1,068988E+09	1,149871E+09	1,182692E+09	1,184711E+09	1,184728E+09	1,182732E+09	1,149898E+09
-2690	1,068979E+09	9,616775E+08	8,827975E+08	8,828023E+08	9,616930E+08	1,068992E+09	1,149891E+09	1,182706E+09	1,184702E+09	1,184691E+09	1,182679E+09	1,149858E+09
-2689	1,068954E+09	9,616624E+08	8,827911E+08	8,827929E+08	9,616787E+08	1,068980E+09	1,149888E+09	1,182716E+09	1,184721E+09	1,184718E+09	1,182712E+09	1,149903E+09
-2688	1,069016E+09	9,617018E+08	8,827983E+08	8,827921E+08	9,616798E+08	1,068984E+09	1,149894E+09	1,182715E+09	1,184716E+09	1,184715E+09	1,182698E+09	1,149852E+09
-2687	1,068945E+09	9,616524E+08	8,827662E+08	8,827685E+08	9,616640E+08	1,068976E+09	1,149893E+09	1,182721E+09	1,184719E+09	1,184705E+09	1,182686E+09	1,149852E+09
-2686	1,068952E+09	9,616724E+08	8,827919E+08	8,827835E+08	9,616651E+08	1,068962E+09	1,149869E+09	1,182706E+09	1,184727E+09	1,184736E+09	1,182735E+09	1,149915E+09
-2685	1,068998E+09	9,616743E+08	8,827793E+08	8,827810E+08	9,616739E+08	1,068975E+09	1,149875E+09	1,182698E+09	1,184714E+09	1,184722E+09	1,182700E+09	1,149852E+09
-2684	1,068939E+09	9,616357E+08	8,827576E+08	8,827710E+08	9,616690E+08	1,068976E+09	1,149883E+09	1,182706E+09	1,184708E+09	1,184709E+09	1,182706E+09	1,149886E+09
-2683	1,068996E+09	9,617010E+08	8,828046E+08	8,827991E+08	9,616836E+08	1,068974E+09	1,149872E+09	1,182696E+09	1,184706E+09	1,184716E+09	1,182725E+09	1,149907E+09
-2682	1,068995E+09	9,616913E+08	8,828024E+08	8,827970E+08	9,616816E+08	1,068982E+09	1,149887E+09	1,182710E+09	1,184709E+09	1,184694E+09	1,182672E+09	1,149846E+09
-2681	1,068950E+09	9,616719E+08	8,828124E+08	8,828143E+08	9,616867E+08	1,068974E+09	1,149878E+09	1,182714E+09	1,184730E+09	1,184727E+09	1,182708E+09	1,149887E+09
-2680	1,069013E+09	9,617301E+08	8,828481E+08	8,828458E+08	9,617173E+08	1,068994E+09	1,149884E+09	1,182705E+09	1,184722E+09	1,184733E+09	1,182717E+09	1,149868E+09
-2679	1,068961E+09	9,616865E+08	8,828260E+08	8,828372E+08	9,617193E+08	1,069005E+09	1,149897E+09	1,182717E+09	1,184720E+09	1,184711E+09	1,182690E+09	1,149857E+09
-2678	1,068964E+09	9,617016E+08	8,828473E+08	8,828497E+08	9,617166E+08	1,068991E+09	1,149883E+09	1,182713E+09	1,184732E+09	1,184737E+09	1,182733E+09	1,149922E+09
-2677	1,069034E+09	9,617376E+08	8,828575E+08	8,828565E+08	9,617262E+08	1,069002E+09	1,149889E+09	1,182713E+09	1,184730E+09	1,184731E+09	1,182704E+09	1,149859E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2676	1,068966E+09	9,616974E+08	8,828367E+08	8,828396E+08	9,617085E+08	1,068992E+09	1,149894E+09	1,182725E+09	1,184732E+09	1,184721E+09	1,182699E+09	1,149872E+09
-2675	1,068997E+09	9,617427E+08	8,828789E+08	8,828689E+08	9,617187E+08	1,068977E+09	1,149866E+09	1,182705E+09	1,184732E+09	1,184740E+09	1,182734E+09	1,149910E+09
-2674	1,069013E+09	9,617312E+08	8,828643E+08	8,828626E+08	9,617244E+08	1,068992E+09	1,149875E+09	1,182700E+09	1,184719E+09	1,184718E+09	1,182693E+09	1,149853E+09
-2673	1,068954E+09	9,616815E+08	8,828305E+08	8,828418E+08	9,617127E+08	1,068988E+09	1,149877E+09	1,182703E+09	1,184719E+09	1,184723E+09	1,182713E+09	1,149891E+09
-2672	1,069015E+09	9,617362E+08	8,828523E+08	8,828476E+08	9,617203E+08	1,069000E+09	1,149888E+09	1,182701E+09	1,184708E+09	1,184717E+09	1,182719E+09	1,149888E+09
-2671	1,068980E+09	9,616919E+08	8,828175E+08	8,828197E+08	9,617026E+08	1,068999E+09	1,149901E+09	1,182721E+09	1,184713E+09	1,184691E+09	1,182669E+09	1,149845E+09
-2670	1,068954E+09	9,616785E+08	8,828116E+08	8,828099E+08	9,616813E+08	1,068971E+09	1,149880E+09	1,182717E+09	1,184731E+09	1,184725E+09	1,182710E+09	1,149895E+09
-2669	1,069015E+09	9,617161E+08	8,828232E+08	8,828190E+08	9,616949E+08	1,068980E+09	1,149876E+09	1,182706E+09	1,184727E+09	1,184734E+09	1,182709E+09	1,149851E+09
-2668	1,068940E+09	9,616557E+08	8,827810E+08	8,827882E+08	9,616785E+08	1,068980E+09	1,149888E+09	1,182715E+09	1,184719E+09	1,184713E+09	1,182698E+09	1,149860E+09
-2667	1,068957E+09	9,616791E+08	8,828079E+08	8,828079E+08	9,616830E+08	1,068967E+09	1,149864E+09	1,182696E+09	1,184715E+09	1,184728E+09	1,182735E+09	1,149920E+09
-2666	1,069010E+09	9,616945E+08	8,828055E+08	8,828079E+08	9,616924E+08	1,068984E+09	1,149878E+09	1,182697E+09	1,184705E+09	1,184706E+09	1,182694E+09	1,149860E+09
-2665	1,068953E+09	9,616539E+08	8,827781E+08	8,827891E+08	9,616785E+08	1,068977E+09	1,149883E+09	1,182708E+09	1,184712E+09	1,184706E+09	1,182695E+09	1,149877E+09
-2664	1,069004E+09	9,617286E+08	8,828382E+08	8,828239E+08	9,616929E+08	1,068979E+09	1,149880E+09	1,182704E+09	1,184713E+09	1,184717E+09	1,182716E+09	1,149889E+09
-2663	1,068986E+09	9,617042E+08	8,828357E+08	8,828360E+08	9,617073E+08	1,068989E+09	1,149887E+09	1,182714E+09	1,184719E+09	1,184704E+09	1,182674E+09	1,149837E+09
-2662	1,068945E+09	9,616821E+08	8,828342E+08	8,828426E+08	9,617074E+08	1,068979E+09	1,149871E+09	1,182706E+09	1,184729E+09	1,184733E+09	1,182716E+09	1,149892E+09
-2661	1,069018E+09	9,617425E+08	8,828689E+08	8,828707E+08	9,617370E+08	1,069002E+09	1,149879E+09	1,182699E+09	1,184724E+09	1,184738E+09	1,182724E+09	1,149874E+09
-2660	1,068969E+09	9,616980E+08	8,828403E+08	8,828507E+08	9,617276E+08	1,069011E+09	1,149904E+09	1,182724E+09	1,184725E+09	1,184711E+09	1,182689E+09	1,149861E+09
-2659	1,068979E+09	9,617238E+08	8,828723E+08	8,828716E+08	9,617242E+08	1,068986E+09	1,149877E+09	1,182713E+09	1,184734E+09	1,184733E+09	1,182723E+09	1,149915E+09
-2658	1,069041E+09	9,617653E+08	8,828955E+08	8,828891E+08	9,617400E+08	1,068998E+09	1,149880E+09	1,182710E+09	1,184731E+09	1,184729E+09	1,182702E+09	1,149860E+09
-2657	1,068969E+09	9,617106E+08	8,828613E+08	8,828679E+08	9,617261E+08	1,068991E+09	1,149882E+09	1,182716E+09	1,184734E+09	1,184727E+09	1,182701E+09	1,149870E+09
-2656	1,069000E+09	9,617588E+08	8,829035E+08	8,828926E+08	9,617370E+08	1,068991E+09	1,149873E+09	1,182700E+09	1,184724E+09	1,184736E+09	1,182732E+09	1,149906E+09
-2655	1,069007E+09	9,617349E+08	8,828829E+08	8,828894E+08	9,617483E+08	1,069009E+09	1,149887E+09	1,182706E+09	1,184718E+09	1,184714E+09	1,182687E+09	1,149850E+09
-2654	1,068960E+09	9,616934E+08	8,828416E+08	8,828546E+08	9,617223E+08	1,068993E+09	1,149882E+09	1,182708E+09	1,184721E+09	1,184720E+09	1,182706E+09	1,149887E+09
-2653	1,069020E+09	9,617537E+08	8,828702E+08	8,828603E+08	9,617257E+08	1,068998E+09	1,149883E+09	1,182706E+09	1,184723E+09	1,184726E+09	1,182714E+09	1,149877E+09
-2652	1,068974E+09	9,616999E+08	8,828334E+08	8,828327E+08	9,617052E+08	1,068994E+09	1,149899E+09	1,182729E+09	1,184730E+09	1,184706E+09	1,182674E+09	1,149841E+09
-2651	1,068951E+09	9,616844E+08	8,828299E+08	8,828350E+08	9,616941E+08	1,068963E+09	1,149862E+09	1,182706E+09	1,184731E+09	1,184733E+09	1,182718E+09	1,149897E+09
-2650	1,069014E+09	9,617253E+08	8,828437E+08	8,828447E+08	9,617138E+08	1,068984E+09	1,149867E+09	1,182691E+09	1,184714E+09	1,184729E+09	1,182720E+09	1,149870E+09
-2649	1,068950E+09	9,616623E+08	8,827913E+08	8,828028E+08	9,616905E+08	1,068984E+09	1,149883E+09	1,182704E+09	1,184709E+09	1,184706E+09	1,182697E+09	1,149869E+09
-2648	1,068976E+09	9,617048E+08	8,828302E+08	8,828211E+08	9,616895E+08	1,068975E+09	1,149874E+09	1,182697E+09	1,184707E+09	1,184712E+09	1,182719E+09	1,149912E+09
-2647	1,069015E+09	9,617184E+08	8,828383E+08	8,828370E+08	9,617085E+08	1,068990E+09	1,149883E+09	1,182706E+09	1,184711E+09	1,184702E+09	1,182676E+09	1,149844E+09
-2646	1,068956E+09	9,616789E+08	8,828106E+08	8,828193E+08	9,616931E+08	1,068975E+09	1,149875E+09	1,182708E+09	1,184720E+09	1,184712E+09	1,182689E+09	1,149863E+09
-2645	1,069000E+09	9,617459E+08	8,828705E+08	8,828601E+08	9,617190E+08	1,068984E+09	1,149869E+09	1,182700E+09	1,184725E+09	1,184731E+09	1,182719E+09	1,149882E+09
-2644	1,068977E+09	9,617088E+08	8,828550E+08	8,828625E+08	9,617309E+08	1,069004E+09	1,149894E+09	1,182718E+09	1,184728E+09	1,184715E+09	1,182684E+09	1,149844E+09
-2643	1,068948E+09	9,616885E+08	8,828515E+08	8,828688E+08	9,617267E+08	1,068986E+09	1,149873E+09	1,182706E+09	1,184728E+09	1,184731E+09	1,182717E+09	1,149899E+09
-2642	1,069029E+09	9,617622E+08	8,828938E+08	8,828949E+08	9,617527E+08	1,069009E+09	1,149882E+09	1,182703E+09	1,184723E+09	1,184733E+09	1,182724E+09	1,149885E+09
-2641	1,068984E+09	9,617192E+08	8,828632E+08	8,828669E+08	9,617312E+08	1,069005E+09	1,149898E+09	1,182726E+09	1,184734E+09	1,184718E+09	1,182687E+09	1,149858E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2640	1,068989E+09	9,617527E+08	8,829074E+08	8,828954E+08	9,617311E+08	1,068984E+09	1,149874E+09	1,182711E+09	1,184738E+09	1,184738E+09	1,182721E+09	1,149905E+09
-2639	1,069035E+09	9,617801E+08	8,829290E+08	8,829274E+08	9,617658E+08	1,069003E+09	1,149873E+09	1,182704E+09	1,184734E+09	1,184736E+09	1,182703E+09	1,149856E+09
-2638	1,068970E+09	9,617221E+08	8,828797E+08	8,828919E+08	9,617460E+08	1,068997E+09	1,149872E+09	1,182701E+09	1,184724E+09	1,184724E+09	1,182702E+09	1,149872E+09
-2637	1,069005E+09	9,617698E+08	8,829206E+08	8,829135E+08	9,617560E+08	1,069001E+09	1,149871E+09	1,182695E+09	1,184722E+09	1,184731E+09	1,182726E+09	1,149906E+09
-2636	1,069011E+09	9,617433E+08	8,828933E+08	8,828991E+08	9,617563E+08	1,069017E+09	1,149897E+09	1,182716E+09	1,184723E+09	1,184710E+09	1,182679E+09	1,149845E+09
-2635	1,068963E+09	9,617052E+08	8,828593E+08	8,828710E+08	9,617268E+08	1,068988E+09	1,149878E+09	1,182711E+09	1,184726E+09	1,184719E+09	1,182697E+09	1,149877E+09
-2634	1,069017E+09	9,617681E+08	8,828967E+08	8,828857E+08	9,617382E+08	1,068996E+09	1,149877E+09	1,182704E+09	1,184725E+09	1,184731E+09	1,182719E+09	1,149880E+09
-2633	1,068972E+09	9,617051E+08	8,828472E+08	8,828492E+08	9,617159E+08	1,068992E+09	1,149888E+09	1,182720E+09	1,184734E+09	1,184719E+09	1,182683E+09	1,149846E+09
-2632	1,068955E+09	9,616978E+08	8,828483E+08	8,828496E+08	9,617062E+08	1,068973E+09	1,149865E+09	1,182698E+09	1,184723E+09	1,184729E+09	1,182719E+09	1,149901E+09
-2631	1,069016E+09	9,617349E+08	8,828633E+08	8,828684E+08	9,617328E+08	1,068995E+09	1,149872E+09	1,182693E+09	1,184712E+09	1,184722E+09	1,182711E+09	1,149871E+09
-2630	1,068965E+09	9,616836E+08	8,828090E+08	8,828183E+08	9,617004E+08	1,068986E+09	1,149881E+09	1,182703E+09	1,184707E+09	1,184699E+09	1,182685E+09	1,149864E+09
-2629	1,068986E+09	9,617311E+08	8,828615E+08	8,828457E+08	9,617016E+08	1,068974E+09	1,149867E+09	1,182700E+09	1,184719E+09	1,184715E+09	1,182707E+09	1,149897E+09
-2628	1,069009E+09	9,617319E+08	8,828665E+08	8,828648E+08	9,617238E+08	1,068992E+09	1,149883E+09	1,182713E+09	1,184726E+09	1,184714E+09	1,182678E+09	1,149836E+09
-2627	1,068949E+09	9,616866E+08	8,828376E+08	8,828548E+08	9,617165E+08	1,068977E+09	1,149865E+09	1,182701E+09	1,184723E+09	1,184720E+09	1,182695E+09	1,149863E+09
-2626	1,068995E+09	9,617541E+08	8,828948E+08	8,828911E+08	9,617455E+08	1,068998E+09	1,149869E+09	1,182693E+09	1,184719E+09	1,184732E+09	1,182729E+09	1,149896E+09
-2625	1,068985E+09	9,617171E+08	8,828679E+08	8,828779E+08	9,617434E+08	1,069011E+09	1,149895E+09	1,182718E+09	1,184729E+09	1,184718E+09	1,182687E+09	1,149853E+09
-2624	1,068968E+09	9,617162E+08	8,828764E+08	8,828822E+08	9,617328E+08	1,068992E+09	1,149880E+09	1,182710E+09	1,184728E+09	1,184725E+09	1,182708E+09	1,149896E+09
-2623	1,069036E+09	9,617860E+08	8,829287E+08	8,829245E+08	9,617662E+08	1,069008E+09	1,149880E+09	1,182708E+09	1,184732E+09	1,184735E+09	1,182713E+09	1,149877E+09
-2622	1,068993E+09	9,617455E+08	8,828970E+08	8,828980E+08	9,617457E+08	1,068999E+09	1,149882E+09	1,182715E+09	1,184736E+09	1,184724E+09	1,182686E+09	1,149853E+09
-2621	1,068990E+09	9,617722E+08	8,829403E+08	8,829302E+08	9,617554E+08	1,068987E+09	1,149859E+09	1,182699E+09	1,184739E+09	1,184743E+09	1,182721E+09	1,149900E+09
-2620	1,069029E+09	9,617842E+08	8,829468E+08	8,829514E+08	9,617888E+08	1,069019E+09	1,149880E+09	1,182703E+09	1,184731E+09	1,184736E+09	1,182705E+09	1,149859E+09
-2619	1,068972E+09	9,617271E+08	8,828959E+08	8,829150E+08	9,617642E+08	1,069007E+09	1,149877E+09	1,182701E+09	1,184719E+09	1,184716E+09	1,182694E+09	1,149871E+09
-2618	1,069009E+09	9,617818E+08	8,829376E+08	8,829298E+08	9,617692E+08	1,069011E+09	1,149879E+09	1,182702E+09	1,184722E+09	1,184725E+09	1,182719E+09	1,149905E+09
-2617	1,069015E+09	9,617548E+08	8,829072E+08	8,829070E+08	9,617558E+08	1,069013E+09	1,149896E+09	1,182724E+09	1,184737E+09	1,184721E+09	1,182678E+09	1,149840E+09
-2616	1,068966E+09	9,617225E+08	8,828820E+08	8,828839E+08	9,617289E+08	1,068985E+09	1,149874E+09	1,182710E+09	1,184733E+09	1,184727E+09	1,182699E+09	1,149871E+09
-2615	1,069009E+09	9,617727E+08	8,829182E+08	8,829115E+08	9,617554E+08	1,068998E+09	1,149868E+09	1,182698E+09	1,184728E+09	1,184738E+09	1,182723E+09	1,149884E+09
-2614	1,068980E+09	9,617158E+08	8,828610E+08	8,828647E+08	9,617269E+08	1,068992E+09	1,149876E+09	1,182703E+09	1,184722E+09	1,184717E+09	1,182687E+09	1,149854E+09
-2613	1,068968E+09	9,617150E+08	8,828687E+08	8,828681E+08	9,617187E+08	1,068976E+09	1,149858E+09	1,182691E+09	1,184718E+09	1,184721E+09	1,182710E+09	1,149899E+09
-2612	1,069025E+09	9,617517E+08	8,828836E+08	8,828843E+08	9,617429E+08	1,069001E+09	1,149878E+09	1,182699E+09	1,184715E+09	1,184717E+09	1,182699E+09	1,149863E+09
-2611	1,068970E+09	9,617029E+08	8,828409E+08	8,828479E+08	9,617135E+08	1,068984E+09	1,149875E+09	1,182703E+09	1,184711E+09	1,184697E+09	1,182673E+09	1,149850E+09
-2610	1,068981E+09	9,617471E+08	8,828961E+08	8,828830E+08	9,617272E+08	1,068982E+09	1,149865E+09	1,182698E+09	1,184720E+09	1,184721E+09	1,182709E+09	1,149893E+09
-2609	1,069004E+09	9,617382E+08	8,828873E+08	8,828909E+08	9,617452E+08	1,069002E+09	1,149882E+09	1,182710E+09	1,184732E+09	1,184728E+09	1,182689E+09	1,149839E+09
-2608	1,068951E+09	9,616983E+08	8,828591E+08	8,828741E+08	9,617348E+08	1,068996E+09	1,149876E+09	1,182701E+09	1,184722E+09	1,184723E+09	1,182700E+09	1,149868E+09
-2607	1,068998E+09	9,617629E+08	8,829163E+08	8,829165E+08	9,617664E+08	1,069012E+09	1,149879E+09	1,182701E+09	1,184725E+09	1,184733E+09	1,182725E+09	1,149901E+09
-2606	1,069006E+09	9,617413E+08	8,828881E+08	8,828919E+08	9,617489E+08	1,069008E+09	1,149889E+09	1,182716E+09	1,184733E+09	1,184721E+09	1,182683E+09	1,149851E+09
-2605	1,068981E+09	9,617462E+08	8,829125E+08	8,829087E+08	9,617413E+08	1,068984E+09	1,149867E+09	1,182709E+09	1,184739E+09	1,184731E+09	1,182703E+09	1,149887E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2604	1,069036E+09	9,618033E+08	8,829610E+08	8,829554E+08	9,617817E+08	1,069006E+09	1,149872E+09	1,182706E+09	1,184739E+09	1,184745E+09	1,182717E+09	1,149873E+09
-2603	1,068990E+09	9,617553E+08	8,829271E+08	8,829345E+08	9,617692E+08	1,069000E+09	1,149867E+09	1,182699E+09	1,184727E+09	1,184723E+09	1,182688E+09	1,149853E+09
-2602	1,068990E+09	9,617813E+08	8,829640E+08	8,829604E+08	9,617828E+08	1,069004E+09	1,149861E+09	1,182688E+09	1,184722E+09	1,184734E+09	1,182722E+09	1,149906E+09
-2601	1,069036E+09	9,617923E+08	8,829576E+08	8,829628E+08	9,617989E+08	1,069029E+09	1,149887E+09	1,182706E+09	1,184729E+09	1,184731E+09	1,182699E+09	1,149858E+09
-2600	1,068984E+09	9,617484E+08	8,829155E+08	8,829224E+08	9,617682E+08	1,069016E+09	1,149888E+09	1,182710E+09	1,184722E+09	1,184710E+09	1,182681E+09	1,149859E+09
-2599	1,069007E+09	9,617940E+08	8,829634E+08	8,829524E+08	9,617791E+08	1,069011E+09	1,149880E+09	1,182712E+09	1,184737E+09	1,184732E+09	1,182708E+09	1,149892E+09
-2598	1,069019E+09	9,617687E+08	8,829274E+08	8,829262E+08	9,617634E+08	1,069005E+09	1,149881E+09	1,182716E+09	1,184743E+09	1,184735E+09	1,182685E+09	1,149837E+09
-2597	1,068966E+09	9,617344E+08	8,829052E+08	8,829082E+08	9,617441E+08	1,068983E+09	1,149860E+09	1,182701E+09	1,184735E+09	1,184735E+09	1,182705E+09	1,149873E+09
-2596	1,069008E+09	9,617749E+08	8,829316E+08	8,829287E+08	9,617694E+08	1,069006E+09	1,149870E+09	1,182696E+09	1,184725E+09	1,184740E+09	1,182729E+09	1,149892E+09
-2595	1,068988E+09	9,617246E+08	8,828799E+08	8,828863E+08	9,617400E+08	1,068996E+09	1,149873E+09	1,182697E+09	1,184713E+09	1,184707E+09	1,182680E+09	1,149854E+09
-2594	1,068978E+09	9,617342E+08	8,828933E+08	8,828895E+08	9,617340E+08	1,068985E+09	1,149863E+09	1,182691E+09	1,184712E+09	1,184714E+09	1,182701E+09	1,149892E+09
-2593	1,069029E+09	9,617680E+08	8,829070E+08	8,829024E+08	9,617503E+08	1,069001E+09	1,149878E+09	1,182704E+09	1,184726E+09	1,184726E+09	1,182697E+09	1,149854E+09
-2592	1,068971E+09	9,617206E+08	8,828702E+08	8,828726E+08	9,617300E+08	1,068992E+09	1,149875E+09	1,182703E+09	1,184716E+09	1,184705E+09	1,182674E+09	1,149842E+09
-2591	1,068971E+09	9,617475E+08	8,829183E+08	8,829149E+08	9,617539E+08	1,068994E+09	1,149866E+09	1,182697E+09	1,184726E+09	1,184729E+09	1,182711E+09	1,149894E+09
-2590	1,069012E+09	9,617473E+08	8,829019E+08	8,829087E+08	9,617597E+08	1,069008E+09	1,149878E+09	1,182702E+09	1,184727E+09	1,184731E+09	1,182696E+09	1,149849E+09
-2589	1,068966E+09	9,617186E+08	8,828825E+08	8,828927E+08	9,617430E+08	1,068994E+09	1,149872E+09	1,182702E+09	1,184723E+09	1,184718E+09	1,182694E+09	1,149869E+09
-2588	1,069010E+09	9,617830E+08	8,829406E+08	8,829336E+08	9,617715E+08	1,069011E+09	1,149880E+09	1,182708E+09	1,184732E+09	1,184735E+09	1,182719E+09	1,149897E+09
-2587	1,069014E+09	9,617661E+08	8,829280E+08	8,829263E+08	9,617604E+08	1,069000E+09	1,149875E+09	1,182709E+09	1,184734E+09	1,184722E+09	1,182677E+09	1,149843E+09
-2586	1,068984E+09	9,617683E+08	8,829514E+08	8,829489E+08	9,617680E+08	1,068990E+09	1,149858E+09	1,182696E+09	1,184731E+09	1,184733E+09	1,182705E+09	1,149883E+09
-2585	1,069035E+09	9,618147E+08	8,829857E+08	8,829838E+08	9,618044E+08	1,069017E+09	1,149870E+09	1,182698E+09	1,184737E+09	1,184750E+09	1,182722E+09	1,149875E+09
-2584	1,068995E+09	9,617693E+08	8,829504E+08	8,829572E+08	9,617912E+08	1,069022E+09	1,149879E+09	1,182699E+09	1,184720E+09	1,184715E+09	1,182682E+09	1,149852E+09
-2583	1,068991E+09	9,617869E+08	8,829827E+08	8,829849E+08	9,618039E+08	1,069020E+09	1,149876E+09	1,182701E+09	1,184729E+09	1,184729E+09	1,182707E+09	1,149898E+09
-2582	1,069049E+09	9,618105E+08	8,829743E+08	8,829739E+08	9,618025E+08	1,069028E+09	1,149887E+09	1,182711E+09	1,184738E+09	1,184737E+09	1,182696E+09	1,149851E+09
-2581	1,068988E+09	9,617684E+08	8,829435E+08	8,829423E+08	9,617701E+08	1,069004E+09	1,149879E+09	1,182716E+09	1,184739E+09	1,184722E+09	1,182681E+09	1,149850E+09
-2580	1,069000E+09	9,617991E+08	8,829821E+08	8,829732E+08	9,617887E+08	1,069007E+09	1,149872E+09	1,182711E+09	1,184748E+09	1,184749E+09	1,182722E+09	1,149894E+09
-2579	1,069016E+09	9,617724E+08	8,829472E+08	8,829513E+08	9,617778E+08	1,069002E+09	1,149865E+09	1,182697E+09	1,184734E+09	1,184737E+09	1,182694E+09	1,149846E+09
-2578	1,068973E+09	9,617432E+08	8,829222E+08	8,829299E+08	9,617636E+08	1,068994E+09	1,149859E+09	1,182685E+09	1,184714E+09	1,184724E+09	1,182709E+09	1,149883E+09
-2577	1,069022E+09	9,617877E+08	8,829436E+08	8,829387E+08	9,617754E+08	1,069010E+09	1,149873E+09	1,182694E+09	1,184719E+09	1,184731E+09	1,182722E+09	1,149892E+09
-2576	1,069001E+09	9,617487E+08	8,829045E+08	8,829007E+08	9,617482E+08	1,069004E+09	1,149880E+09	1,182700E+09	1,184711E+09	1,184696E+09	1,182664E+09	1,149841E+09
-2575	1,068976E+09	9,617484E+08	8,829244E+08	8,829213E+08	9,617528E+08	1,068991E+09	1,149867E+09	1,182700E+09	1,184723E+09	1,184717E+09	1,182687E+09	1,149875E+09
-2574	1,069030E+09	9,617817E+08	8,829298E+08	8,829268E+08	9,617655E+08	1,069002E+09	1,149870E+09	1,182699E+09	1,184730E+09	1,184736E+09	1,182701E+09	1,149848E+09
-2573	1,068968E+09	9,617310E+08	8,828947E+08	8,828997E+08	9,617480E+08	1,068997E+09	1,149873E+09	1,182704E+09	1,184723E+09	1,184712E+09	1,182680E+09	1,149843E+09
-2572	1,068969E+09	9,617492E+08	8,829315E+08	8,829339E+08	9,617691E+08	1,069005E+09	1,149874E+09	1,182704E+09	1,184731E+09	1,184735E+09	1,182718E+09	1,149900E+09
-2571	1,069020E+09	9,617592E+08	8,829227E+08	8,829296E+08	9,617692E+08	1,069007E+09	1,149875E+09	1,182700E+09	1,184726E+09	1,184728E+09	1,182694E+09	1,149852E+09
-2570	1,068981E+09	9,617442E+08	8,829133E+08	8,829177E+08	9,617558E+08	1,068996E+09	1,149870E+09	1,182698E+09	1,184720E+09	1,184718E+09	1,182692E+09	1,149865E+09
-2569	1,069019E+09	9,618066E+08	8,829726E+08	8,829585E+08	9,617775E+08	1,069003E+09	1,149870E+09	1,182706E+09	1,184740E+09	1,184745E+09	1,182722E+09	1,149892E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2568	1,069018E+09	9,617891E+08	8,829640E+08	8,829600E+08	9,617827E+08	1,069006E+09	1,149866E+09	1,182698E+09	1,184730E+09	1,184724E+09	1,182678E+09	1,149838E+09
-2567	1,068980E+09	9,617771E+08	8,829809E+08	8,829875E+08	9,618005E+08	1,069007E+09	1,149858E+09	1,182690E+09	1,184728E+09	1,184731E+09	1,182699E+09	1,149880E+09
-2566	1,069044E+09	9,618272E+08	8,830031E+08	8,830047E+08	9,618221E+08	1,069028E+09	1,149871E+09	1,182693E+09	1,184730E+09	1,184745E+09	1,182720E+09	1,149877E+09
-2565	1,069006E+09	9,617885E+08	8,829739E+08	8,829780E+08	9,618020E+08	1,069024E+09	1,149885E+09	1,182710E+09	1,184727E+09	1,184709E+09	1,182672E+09	1,149845E+09
-2564	1,068994E+09	9,617985E+08	8,830008E+08	8,830010E+08	9,618105E+08	1,069022E+09	1,149883E+09	1,182716E+09	1,184745E+09	1,184737E+09	1,182704E+09	1,149889E+09
-2563	1,069046E+09	9,618237E+08	8,830032E+08	8,830008E+08	9,618105E+08	1,069019E+09	1,149875E+09	1,182708E+09	1,184744E+09	1,184746E+09	1,182700E+09	1,149847E+09
-2562	1,068988E+09	9,617811E+08	8,829689E+08	8,829709E+08	9,617893E+08	1,069007E+09	1,149870E+09	1,182702E+09	1,184733E+09	1,184731E+09	1,182694E+09	1,149853E+09
-2561	1,069000E+09	9,618052E+08	8,829954E+08	8,829887E+08	9,617994E+08	1,069011E+09	1,149868E+09	1,182703E+09	1,184744E+09	1,184755E+09	1,182733E+09	1,149904E+09
-2560	1,069027E+09	9,617861E+08	8,829627E+08	8,829666E+08	9,617932E+08	1,069016E+09	1,149869E+09	1,182692E+09	1,184723E+09	1,184725E+09	1,182690E+09	1,149849E+09
-2559	1,068982E+09	9,617542E+08	8,829384E+08	8,829494E+08	9,617799E+08	1,069006E+09	1,149867E+09	1,182692E+09	1,184714E+09	1,184711E+09	1,182688E+09	1,149874E+09
-2558	1,069036E+09	9,618090E+08	8,829627E+08	8,829516E+08	9,617791E+08	1,069009E+09	1,149871E+09	1,182696E+09	1,184722E+09	1,184729E+09	1,182712E+09	1,149880E+09
-2557	1,069004E+09	9,617702E+08	8,829366E+08	8,829276E+08	9,617550E+08	1,068995E+09	1,149874E+09	1,182708E+09	1,184723E+09	1,184702E+09	1,182659E+09	1,149826E+09
-2556	1,068965E+09	9,617492E+08	8,829420E+08	8,829466E+08	9,617693E+08	1,068994E+09	1,149864E+09	1,182703E+09	1,184735E+09	1,184732E+09	1,182697E+09	1,149870E+09
-2555	1,069020E+09	9,617839E+08	8,829504E+08	8,829537E+08	9,617830E+08	1,069006E+09	1,149861E+09	1,182687E+09	1,184725E+09	1,184740E+09	1,182710E+09	1,149856E+09
-2554	1,068975E+09	9,617419E+08	8,829126E+08	8,829210E+08	9,617651E+08	1,069006E+09	1,149874E+09	1,182694E+09	1,184711E+09	1,184710E+09	1,182686E+09	1,149850E+09
-2553	1,068984E+09	9,617675E+08	8,829479E+08	8,829451E+08	9,617716E+08	1,069003E+09	1,149874E+09	1,182707E+09	1,184734E+09	1,184735E+09	1,182717E+09	1,149903E+09
-2552	1,069037E+09	9,617903E+08	8,829543E+08	8,829519E+08	9,617797E+08	1,069009E+09	1,149871E+09	1,182699E+09	1,184727E+09	1,184723E+09	1,182684E+09	1,149844E+09
-2551	1,068985E+09	9,617664E+08	8,829529E+08	8,829591E+08	9,617801E+08	1,069000E+09	1,149865E+09	1,182698E+09	1,184726E+09	1,184718E+09	1,182680E+09	1,149855E+09
-2550	1,069025E+09	9,618269E+08	8,830044E+08	8,829936E+08	9,618011E+08	1,069007E+09	1,149860E+09	1,182694E+09	1,184736E+09	1,184750E+09	1,182727E+09	1,149890E+09
-2549	1,069019E+09	9,618057E+08	8,829968E+08	8,829966E+08	9,618075E+08	1,069016E+09	1,149869E+09	1,182699E+09	1,184730E+09	1,184722E+09	1,182677E+09	1,149837E+09
-2548	1,068979E+09	9,617811E+08	8,829971E+08	8,830123E+08	9,618232E+08	1,069025E+09	1,149874E+09	1,182702E+09	1,184735E+09	1,184734E+09	1,182699E+09	1,149878E+09
-2547	1,069045E+09	9,618397E+08	8,830247E+08	8,830256E+08	9,618344E+08	1,069033E+09	1,149875E+09	1,182698E+09	1,184734E+09	1,184743E+09	1,182714E+09	1,149874E+09
-2546	1,069014E+09	9,618088E+08	8,829990E+08	8,829987E+08	9,618126E+08	1,069028E+09	1,149887E+09	1,182713E+09	1,184733E+09	1,184718E+09	1,182674E+09	1,149839E+09
-2545	1,068996E+09	9,618126E+08	8,830211E+08	8,830177E+08	9,618126E+08	1,069012E+09	1,149875E+09	1,182719E+09	1,184759E+09	1,184755E+09	1,182715E+09	1,149890E+09
-2544	1,069047E+09	9,618359E+08	8,830228E+08	8,830226E+08	9,618266E+08	1,069021E+09	1,149863E+09	1,182696E+09	1,184741E+09	1,184749E+09	1,182708E+09	1,149853E+09
-2543	1,068988E+09	9,617874E+08	8,829874E+08	8,829968E+08	9,618111E+08	1,069017E+09	1,149866E+09	1,182693E+09	1,184725E+09	1,184724E+09	1,182690E+09	1,149860E+09
-2542	1,069017E+09	9,618200E+08	8,830074E+08	8,829994E+08	9,618056E+08	1,069011E+09	1,149862E+09	1,182691E+09	1,184729E+09	1,184742E+09	1,182728E+09	1,149908E+09
-2541	1,069040E+09	9,618091E+08	8,829863E+08	8,829835E+08	9,617972E+08	1,069011E+09	1,149870E+09	1,182699E+09	1,184722E+09	1,184711E+09	1,182671E+09	1,149838E+09
-2540	1,068983E+09	9,617689E+08	8,829601E+08	8,829693E+08	9,617894E+08	1,069008E+09	1,149872E+09	1,182703E+09	1,184727E+09	1,184714E+09	1,182677E+09	1,149855E+09
-2539	1,069024E+09	9,618208E+08	8,829918E+08	8,829808E+08	9,617926E+08	1,069005E+09	1,149862E+09	1,182693E+09	1,184728E+09	1,184734E+09	1,182709E+09	1,149870E+09
-2538	1,068997E+09	9,617792E+08	8,829597E+08	8,829579E+08	9,617804E+08	1,069006E+09	1,149871E+09	1,182699E+09	1,184722E+09	1,184712E+09	1,182670E+09	1,149826E+09
-2537	1,068960E+09	9,617516E+08	8,829522E+08	8,829622E+08	9,617817E+08	1,069001E+09	1,149867E+09	1,182703E+09	1,184739E+09	1,184741E+09	1,182710E+09	1,149882E+09
-2536	1,069026E+09	9,617942E+08	8,829632E+08	8,829700E+08	9,617995E+08	1,069018E+09	1,149865E+09	1,182686E+09	1,184721E+09	1,184734E+09	1,182710E+09	1,149864E+09
-2535	1,068987E+09	9,617594E+08	8,829346E+08	8,829435E+08	9,617807E+08	1,069014E+09	1,149878E+09	1,182700E+09	1,184716E+09	1,184704E+09	1,182672E+09	1,149848E+09
-2534	1,069001E+09	9,617965E+08	8,829764E+08	8,829644E+08	9,617754E+08	1,068995E+09	1,149864E+09	1,182703E+09	1,184738E+09	1,184739E+09	1,182714E+09	1,149898E+09
-2533	1,069044E+09	9,618189E+08	8,829959E+08	8,829890E+08	9,617931E+08	1,068999E+09	1,149860E+09	1,182701E+09	1,184735E+09	1,184728E+09	1,182681E+09	1,149836E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2532	1,068980E+09	9,617765E+08	8,829802E+08	8,829954E+08	9,618078E+08	1,069010E+09	1,149862E+09	1,182696E+09	1,184731E+09	1,184727E+09	1,182685E+09	1,149851E+09
-2531	1,069019E+09	9,618361E+08	8,830320E+08	8,830267E+08	9,618266E+08	1,069018E+09	1,149857E+09	1,182683E+09	1,184727E+09	1,184744E+09	1,182727E+09	1,149895E+09
-2530	1,069028E+09	9,618210E+08	8,830192E+08	8,830230E+08	9,618307E+08	1,069032E+09	1,149877E+09	1,182695E+09	1,184721E+09	1,184717E+09	1,182676E+09	1,149837E+09
-2529	1,068988E+09	9,617977E+08	8,830128E+08	8,830240E+08	9,618277E+08	1,069027E+09	1,149881E+09	1,182714E+09	1,184746E+09	1,184738E+09	1,182698E+09	1,149877E+09
-2528	1,069052E+09	9,618627E+08	8,830510E+08	8,830464E+08	9,618459E+08	1,069035E+09	1,149873E+09	1,182702E+09	1,184743E+09	1,184746E+09	1,182709E+09	1,149868E+09
-2527	1,069014E+09	9,618248E+08	8,830282E+08	8,830293E+08	9,618302E+08	1,069028E+09	1,149880E+09	1,182713E+09	1,184743E+09	1,184724E+09	1,182669E+09	1,149835E+09
-2526	1,069001E+09	9,618273E+08	8,830417E+08	8,830385E+08	9,618245E+08	1,069009E+09	1,149859E+09	1,182705E+09	1,184756E+09	1,184761E+09	1,182725E+09	1,149896E+09
-2525	1,069052E+09	9,618517E+08	8,830477E+08	8,830470E+08	9,618386E+08	1,069020E+09	1,149860E+09	1,182694E+09	1,184736E+09	1,184743E+09	1,182705E+09	1,149857E+09
-2524	1,068992E+09	9,617931E+08	8,829994E+08	8,830144E+08	9,618264E+08	1,069027E+09	1,149873E+09	1,182697E+09	1,184725E+09	1,184719E+09	1,182683E+09	1,149855E+09
-2523	1,069019E+09	9,618355E+08	8,830295E+08	8,830174E+08	9,618151E+08	1,069012E+09	1,149860E+09	1,182689E+09	1,184727E+09	1,184733E+09	1,182715E+09	1,149900E+09
-2522	1,069044E+09	9,618289E+08	8,830130E+08	8,830064E+08	9,618099E+08	1,069015E+09	1,149869E+09	1,182696E+09	1,184724E+09	1,184716E+09	1,182667E+09	1,149825E+09
-2521	1,068977E+09	9,617781E+08	8,829783E+08	8,829880E+08	9,617977E+08	1,069005E+09	1,149867E+09	1,182707E+09	1,184740E+09	1,184731E+09	1,182686E+09	1,149852E+09
-2520	1,069016E+09	9,618250E+08	8,830071E+08	8,830043E+08	9,618161E+08	1,069014E+09	1,149854E+09	1,182684E+09	1,184727E+09	1,184739E+09	1,182715E+09	1,149874E+09
-2519	1,068996E+09	9,617822E+08	8,829735E+08	8,829804E+08	9,618028E+08	1,069020E+09	1,149874E+09	1,182697E+09	1,184720E+09	1,184709E+09	1,182667E+09	1,149836E+09
-2518	1,068977E+09	9,617663E+08	8,829637E+08	8,829712E+08	9,617865E+08	1,069001E+09	1,149863E+09	1,182698E+09	1,184733E+09	1,184736E+09	1,182710E+09	1,149891E+09
-2517	1,069044E+09	9,618216E+08	8,829916E+08	8,829886E+08	9,618009E+08	1,069009E+09	1,149865E+09	1,182696E+09	1,184725E+09	1,184727E+09	1,182698E+09	1,149859E+09
-2516	1,068993E+09	9,617810E+08	8,829655E+08	8,829717E+08	9,617941E+08	1,069013E+09	1,149875E+09	1,182705E+09	1,184728E+09	1,184711E+09	1,182666E+09	1,149836E+09
-2515	1,068998E+09	9,618186E+08	8,830163E+08	8,830023E+08	9,617964E+08	1,068994E+09	1,149849E+09	1,182691E+09	1,184736E+09	1,184741E+09	1,182713E+09	1,149893E+09
-2514	1,069044E+09	9,618366E+08	8,830294E+08	8,830286E+08	9,618263E+08	1,069016E+09	1,149857E+09	1,182687E+09	1,184728E+09	1,184734E+09	1,182687E+09	1,149835E+09
-2513	1,068980E+09	9,617866E+08	8,829999E+08	8,830199E+08	9,618287E+08	1,069024E+09	1,149870E+09	1,182701E+09	1,184736E+09	1,184732E+09	1,182691E+09	1,149857E+09
-2512	1,069023E+09	9,618466E+08	8,830478E+08	8,830489E+08	9,618502E+08	1,069034E+09	1,149865E+09	1,182689E+09	1,184728E+09	1,184738E+09	1,182718E+09	1,149894E+09
-2511	1,069036E+09	9,618391E+08	8,830428E+08	8,830457E+08	9,618474E+08	1,069043E+09	1,149886E+09	1,182709E+09	1,184734E+09	1,184716E+09	1,182663E+09	1,149833E+09
-2510	1,068999E+09	9,618214E+08	8,830382E+08	8,830394E+08	9,618272E+08	1,069016E+09	1,149871E+09	1,182714E+09	1,184756E+09	1,184749E+09	1,182701E+09	1,149873E+09
-2509	1,069053E+09	9,618819E+08	8,830839E+08	8,830747E+08	9,618520E+08	1,069021E+09	1,149861E+09	1,182703E+09	1,184750E+09	1,184754E+09	1,182712E+09	1,149867E+09
-2508	1,069011E+09	9,618309E+08	8,830489E+08	8,830567E+08	9,618508E+08	1,069032E+09	1,149870E+09	1,182704E+09	1,184745E+09	1,184734E+09	1,182678E+09	1,149838E+09
-2507	1,069000E+09	9,618374E+08	8,830636E+08	8,830605E+08	9,618398E+08	1,069012E+09	1,149848E+09	1,182685E+09	1,184739E+09	1,184752E+09	1,182723E+09	1,149904E+09
-2506	1,069065E+09	9,618685E+08	8,830672E+08	8,830669E+08	9,618555E+08	1,069030E+09	1,149860E+09	1,182682E+09	1,184722E+09	1,184734E+09	1,182697E+09	1,149854E+09
-2505	1,069001E+09	9,618107E+08	8,830164E+08	8,830255E+08	9,618306E+08	1,069027E+09	1,149877E+09	1,182705E+09	1,184731E+09	1,184717E+09	1,182674E+09	1,149848E+09
-2504	1,069018E+09	9,618498E+08	8,830520E+08	8,830406E+08	9,618321E+08	1,069018E+09	1,149858E+09	1,182690E+09	1,184730E+09	1,184731E+09	1,182702E+09	1,149887E+09
-2503	1,069038E+09	9,618381E+08	8,830377E+08	8,830367E+08	9,618338E+08	1,069025E+09	1,149869E+09	1,182698E+09	1,184732E+09	1,184720E+09	1,182662E+09	1,149820E+09
-2502	1,068976E+09	9,617849E+08	8,829922E+08	8,830032E+08	9,618101E+08	1,069009E+09	1,149862E+09	1,182700E+09	1,184741E+09	1,184740E+09	1,182698E+09	1,149860E+09
-2501	1,069018E+09	9,618327E+08	8,830246E+08	8,830219E+08	9,618252E+08	1,069018E+09	1,149861E+09	1,182691E+09	1,184728E+09	1,184738E+09	1,182716E+09	1,149881E+09
-2500	1,069003E+09	9,617892E+08	8,829843E+08	8,829942E+08	9,618146E+08	1,069027E+09	1,149881E+09	1,182705E+09	1,184729E+09	1,184712E+09	1,182665E+09	1,149835E+09
-2499	1,068984E+09	9,617891E+08	8,829910E+08	8,829884E+08	9,617916E+08	1,068996E+09	1,149855E+09	1,182695E+09	1,184734E+09	1,184734E+09	1,182703E+09	1,149889E+09
-2498	1,069055E+09	9,618496E+08	8,830283E+08	8,830183E+08	9,618141E+08	1,069007E+09	1,149854E+09	1,182687E+09	1,184728E+09	1,184736E+09	1,182697E+09	1,149851E+09
-2497	1,068992E+09	9,617974E+08	8,829953E+08	8,830013E+08	9,618098E+08	1,069011E+09	1,149866E+09	1,182702E+09	1,184735E+09	1,184724E+09	1,182674E+09	1,149835E+09

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2496	1,068995E+09	9,618293E+08	8,830419E+08	8,830378E+08	9,618301E+08	1,069009E+09	1,149844E+09	1,182678E+09	1,184729E+09	1,184738E+09	1,182711E+09	1,149895E+09
-2495	1,069047E+09	9,618482E+08	8,830532E+08	8,830586E+08	9,618549E+08	1,069035E+09	1,149865E+09	1,182685E+09	1,184723E+09	1,184724E+09	1,182677E+09	1,149838E+09
-2494	1,068993E+09	9,618049E+08	8,830188E+08	8,830340E+08	9,618372E+08	1,069028E+09	1,149873E+09	1,182703E+09	1,184736E+09	1,184730E+09	1,182687E+09	1,149858E+09
-2493	1,069033E+09	9,618710E+08	8,830797E+08	8,830713E+08	9,618541E+08	1,069030E+09	1,149869E+09	1,182704E+09	1,184740E+09	1,184738E+09	1,182706E+09	1,149884E+09
-2492	1,069037E+09	9,618548E+08	8,830712E+08	8,830733E+08	9,618610E+08	1,069041E+09	1,149883E+09	1,182716E+09	1,184752E+09	1,184732E+09	1,182664E+09	1,149822E+09
-2491	1,068994E+09	9,618385E+08	8,830719E+08	8,830708E+08	9,618441E+08	1,069012E+09	1,149854E+09	1,182700E+09	1,184755E+09	1,184757E+09	1,182708E+09	1,149876E+09
-2490	1,069057E+09	9,618963E+08	8,831115E+08	8,831050E+08	9,618754E+08	1,069031E+09	1,149852E+09	1,182683E+09	1,184741E+09	1,184761E+09	1,182721E+09	1,149872E+09
-2489	1,069015E+09	9,618397E+08	8,830650E+08	8,830745E+08	9,618645E+08	1,069040E+09	1,149873E+09	1,182701E+09	1,184741E+09	1,184734E+09	1,182682E+09	1,149846E+09
-2488	1,069010E+09	9,618491E+08	8,830779E+08	8,830800E+08	9,618610E+08	1,069025E+09	1,149851E+09	1,182683E+09	1,184731E+09	1,184737E+09	1,182707E+09	1,149899E+09
-2487	1,069074E+09	9,618870E+08	8,830896E+08	8,830865E+08	9,618707E+08	1,069042E+09	1,149868E+09	1,182690E+09	1,184727E+09	1,184725E+09	1,182678E+09	1,149843E+09
-2486	1,069005E+09	9,618282E+08	8,830391E+08	8,830407E+08	9,618336E+08	1,069022E+09	1,149872E+09	1,182707E+09	1,184740E+09	1,184726E+09	1,182674E+09	1,149840E+09
-2485	1,069011E+09	9,618575E+08	8,830765E+08	8,830650E+08	9,618413E+08	1,069014E+09	1,149856E+09	1,182697E+09	1,184739E+09	1,184739E+09	1,182703E+09	1,149881E+09
-2484	1,069029E+09	9,618354E+08	8,830494E+08	8,830567E+08	9,618527E+08	1,069035E+09	1,149870E+09	1,182697E+09	1,184738E+09	1,184733E+09	1,182672E+09	1,149822E+09
-2483	1,068976E+09	9,617926E+08	8,830076E+08	8,830159E+08	9,618182E+08	1,069011E+09	1,149856E+09	1,182688E+09	1,184731E+09	1,184737E+09	1,182701E+09	1,149870E+09
-2482	1,069034E+09	9,618504E+08	8,830434E+08	8,830357E+08	9,618330E+08	1,069020E+09	1,149858E+09	1,182684E+09	1,184724E+09	1,184737E+09	1,182712E+09	1,149881E+09
-2481	1,069017E+09	9,618122E+08	8,830085E+08	8,830084E+08	9,618161E+08	1,069021E+09	1,149877E+09	1,182709E+09	1,184737E+09	1,184718E+09	1,182663E+09	1,149831E+09
-2480	1,068990E+09	9,618093E+08	8,830220E+08	8,830207E+08	9,618124E+08	1,068996E+09	1,149843E+09	1,182686E+09	1,184732E+09	1,184732E+09	1,182692E+09	1,149878E+09
-2479	1,069055E+09	9,618672E+08	8,830630E+08	8,830579E+08	9,618452E+08	1,069019E+09	1,149851E+09	1,182681E+09	1,184727E+09	1,184734E+09	1,182692E+09	1,149847E+09
-2478	1,068995E+09	9,618117E+08	8,830219E+08	8,830286E+08	9,618304E+08	1,069020E+09	1,149863E+09	1,182694E+09	1,184731E+09	1,184726E+09	1,182680E+09	1,149839E+09
-2477	1,068996E+09	9,618386E+08	8,830667E+08	8,830647E+08	9,618469E+08	1,069021E+09	1,149857E+09	1,182689E+09	1,184729E+09	1,184733E+09	1,182703E+09	1,149891E+09
-2476	1,069051E+09	9,618577E+08	8,830714E+08	8,830807E+08	9,618744E+08	1,069050E+09	1,149878E+09	1,182699E+09	1,184736E+09	1,184730E+09	1,182673E+09	1,149830E+09
-2475	1,068997E+09	9,618279E+08	8,830487E+08	8,830524E+08	9,618426E+08	1,069025E+09	1,149868E+09	1,182704E+09	1,184744E+09	1,184735E+09	1,182685E+09	1,149855E+09
-2474	1,069040E+09	9,618925E+08	8,831132E+08	8,830999E+08	9,618662E+08	1,069026E+09	1,149857E+09	1,182696E+09	1,184749E+09	1,184756E+09	1,182712E+09	1,149880E+09
-2473	1,069038E+09	9,618676E+08	8,830966E+08	8,830995E+08	9,618742E+08	1,069037E+09	1,149870E+09	1,182709E+09	1,184758E+09	1,184749E+09	1,182680E+09	1,149830E+09
-2472	1,068997E+09	9,618464E+08	8,830918E+08	8,831010E+08	9,618723E+08	1,069022E+09	1,149843E+09	1,182681E+09	1,184739E+09	1,184750E+09	1,182708E+09	1,149884E+09
-2471	1,069068E+09	9,619106E+08	8,831331E+08	8,831296E+08	9,618975E+08	1,069046E+09	1,149857E+09	1,182678E+09	1,184727E+09	1,184743E+09	1,182710E+09	1,149877E+09
-2470	1,069032E+09	9,618605E+08	8,830849E+08	8,830867E+08	9,618690E+08	1,069041E+09	1,149874E+09	1,182700E+09	1,184735E+09	1,184724E+09	1,182672E+09	1,149842E+09
-2469	1,069018E+09	9,618709E+08	8,831076E+08	8,831003E+08	9,618644E+08	1,069024E+09	1,149860E+09	1,182697E+09	1,184738E+09	1,184732E+09	1,182688E+09	1,149879E+09
-2468	1,069069E+09	9,618973E+08	8,831136E+08	8,831124E+08	9,618870E+08	1,069047E+09	1,149870E+09	1,182699E+09	1,184744E+09	1,184739E+09	1,182675E+09	1,149824E+09
-2467	1,068994E+09	9,618379E+08	8,830635E+08	8,830639E+08	9,618481E+08	1,069024E+09	1,149863E+09	1,182700E+09	1,184742E+09	1,184735E+09	1,182682E+09	1,149841E+09
-2466	1,069011E+09	9,618617E+08	8,830933E+08	8,830862E+08	9,618590E+08	1,069023E+09	1,149853E+09	1,182687E+09	1,184740E+09	1,184751E+09	1,182713E+09	1,149886E+09
-2465	1,069032E+09	9,618374E+08	8,830570E+08	8,830661E+08	9,618585E+08	1,069038E+09	1,149873E+09	1,182702E+09	1,184742E+09	1,184740E+09	1,182682E+09	1,149833E+09
-2464	1,068988E+09	9,618036E+08	8,830207E+08	8,830327E+08	9,618323E+08	1,069015E+09	1,149854E+09	1,182685E+09	1,184726E+09	1,184729E+09	1,182691E+09	1,149869E+09
-2463	1,069049E+09	9,618752E+08	8,830718E+08	8,830567E+08	9,618419E+08	1,069021E+09	1,149856E+09	1,182683E+09	1,184725E+09	1,184731E+09	1,182701E+09	1,149875E+09
-2462	1,069024E+09	9,618346E+08	8,830403E+08	8,830326E+08	9,618223E+08	1,069012E+09	1,149863E+09	1,182701E+09	1,184738E+09	1,184725E+09	1,182666E+09	1,149827E+09
-2461	1,068989E+09	9,618240E+08	8,830561E+08	8,830560E+08	9,618314E+08	1,068999E+09	1,149840E+09	1,182683E+09	1,184731E+09	1,184732E+09	1,182688E+09	1,149870E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2460	1,069050E+09	9,618713E+08	8,830833E+08	8,830884E+08	9,618744E+08	1,069038E+09	1,149856E+09	1,182678E+09	1,184727E+09	1,184738E+09	1,182693E+09	1,149843E+09
-2459	1,068997E+09	9,618251E+08	8,830449E+08	8,830504E+08	9,618468E+08	1,069031E+09	1,149866E+09	1,182689E+09	1,184723E+09	1,184719E+09	1,182677E+09	1,149843E+09
-2458	1,069010E+09	9,618564E+08	8,830905E+08	8,830858E+08	9,618599E+08	1,069027E+09	1,149860E+09	1,182691E+09	1,184735E+09	1,184736E+09	1,182697E+09	1,149884E+09
-2457	1,069057E+09	9,618769E+08	8,830978E+08	8,831000E+08	9,618788E+08	1,069046E+09	1,149878E+09	1,182709E+09	1,184753E+09	1,184744E+09	1,182677E+09	1,149828E+09
-2456	1,069001E+09	9,618446E+08	8,830793E+08	8,830872E+08	9,618643E+08	1,069024E+09	1,149856E+09	1,182696E+09	1,184746E+09	1,184741E+09	1,182684E+09	1,149851E+09
-2455	1,069045E+09	9,619109E+08	8,831449E+08	8,831344E+08	9,618913E+08	1,069035E+09	1,149852E+09	1,182688E+09	1,184746E+09	1,184756E+09	1,182715E+09	1,149885E+09
-2454	1,069046E+09	9,618838E+08	8,831215E+08	8,831235E+08	9,618896E+08	1,069041E+09	1,149864E+09	1,182699E+09	1,184751E+09	1,184749E+09	1,182688E+09	1,149840E+09
-2453	1,069008E+09	9,618614E+08	8,831161E+08	8,831250E+08	9,618858E+08	1,069031E+09	1,149855E+09	1,182687E+09	1,184734E+09	1,184737E+09	1,182695E+09	1,149878E+09
-2452	1,069075E+09	9,619246E+08	8,831520E+08	8,831501E+08	9,619146E+08	1,069059E+09	1,149869E+09	1,182690E+09	1,184736E+09	1,184741E+09	1,182698E+09	1,149862E+09
-2451	1,069033E+09	9,618831E+08	8,831144E+08	8,831058E+08	9,618740E+08	1,069039E+09	1,149872E+09	1,182702E+09	1,184740E+09	1,184726E+09	1,182666E+09	1,149831E+09
-2450	1,069015E+09	9,618821E+08	8,831338E+08	8,831269E+08	9,618772E+08	1,069023E+09	1,149851E+09	1,182694E+09	1,184750E+09	1,184749E+09	1,182692E+09	1,149868E+09
-2449	1,069059E+09	9,618990E+08	8,831287E+08	8,831324E+08	9,618999E+08	1,069047E+09	1,149864E+09	1,182698E+09	1,184753E+09	1,184757E+09	1,182694E+09	1,149832E+09
-2448	1,068993E+09	9,618361E+08	8,830715E+08	8,830833E+08	9,618675E+08	1,069030E+09	1,149856E+09	1,182685E+09	1,184731E+09	1,184732E+09	1,182685E+09	1,149850E+09
-2447	1,069023E+09	9,618723E+08	8,831048E+08	8,830994E+08	9,618696E+08	1,069031E+09	1,149856E+09	1,182684E+09	1,184730E+09	1,184737E+09	1,182709E+09	1,149894E+09
-2446	1,069051E+09	9,618591E+08	8,830750E+08	8,830745E+08	9,618552E+08	1,069029E+09	1,149867E+09	1,182698E+09	1,184739E+09	1,184734E+09	1,182678E+09	1,149834E+09
-2445	1,068999E+09	9,618269E+08	8,830519E+08	8,830552E+08	9,618350E+08	1,069010E+09	1,149854E+09	1,182688E+09	1,184726E+09	1,184721E+09	1,182675E+09	1,149854E+09
-2444	1,069047E+09	9,618903E+08	8,831018E+08	8,830910E+08	9,618644E+08	1,069027E+09	1,149853E+09	1,182682E+09	1,184731E+09	1,184738E+09	1,182698E+09	1,149859E+09
-2443	1,069018E+09	9,618514E+08	8,830718E+08	8,830645E+08	9,618443E+08	1,069019E+09	1,149856E+09	1,182688E+09	1,184731E+09	1,184725E+09	1,182669E+09	1,149827E+09
-2442	1,068990E+09	9,618327E+08	8,830796E+08	8,830859E+08	9,618569E+08	1,069016E+09	1,149843E+09	1,182678E+09	1,184731E+09	1,184737E+09	1,182689E+09	1,149866E+09
-2441	1,069051E+09	9,618782E+08	8,830980E+08	8,831068E+08	9,618892E+08	1,069050E+09	1,149868E+09	1,182690E+09	1,184736E+09	1,184743E+09	1,182696E+09	1,149847E+09
-2440	1,069006E+09	9,618377E+08	8,830628E+08	8,830733E+08	9,618640E+08	1,069037E+09	1,149869E+09	1,182695E+09	1,184728E+09	1,184717E+09	1,182667E+09	1,149839E+09
-2439	1,069021E+09	9,618810E+08	8,831207E+08	8,831106E+08	9,618702E+08	1,069029E+09	1,149861E+09	1,182698E+09	1,184744E+09	1,184740E+09	1,182696E+09	1,149881E+09
-2438	1,069063E+09	9,618983E+08	8,831301E+08	8,831267E+08	9,618852E+08	1,069034E+09	1,149862E+09	1,182703E+09	1,184760E+09	1,184758E+09	1,182690E+09	1,149832E+09
-2437	1,069004E+09	9,618616E+08	8,831123E+08	8,831207E+08	9,618816E+08	1,069027E+09	1,149851E+09	1,182688E+09	1,184742E+09	1,184742E+09	1,182686E+09	1,149852E+09
-2436	1,069048E+09	9,619225E+08	8,831682E+08	8,831644E+08	9,619167E+08	1,069049E+09	1,149853E+09	1,182681E+09	1,184741E+09	1,184756E+09	1,182716E+09	1,149883E+09
-2435	1,069055E+09	9,619060E+08	8,831480E+08	8,831459E+08	9,619033E+08	1,069047E+09	1,149863E+09	1,182691E+09	1,184738E+09	1,184736E+09	1,182680E+09	1,149841E+09
-2434	1,069022E+09	9,618848E+08	8,831439E+08	8,831492E+08	9,618998E+08	1,069036E+09	1,149854E+09	1,182689E+09	1,184740E+09	1,184736E+09	1,182681E+09	1,149863E+09
-2433	1,069074E+09	9,619400E+08	8,831760E+08	8,831708E+08	9,619226E+08	1,069058E+09	1,149870E+09	1,182700E+09	1,184751E+09	1,184751E+09	1,182697E+09	1,149853E+09
-2432	1,069028E+09	9,618892E+08	8,831366E+08	8,831386E+08	9,618975E+08	1,069042E+09	1,149864E+09	1,182698E+09	1,184743E+09	1,184731E+09	1,182665E+09	1,149825E+09
-2431	1,069013E+09	9,618894E+08	8,831514E+08	8,831510E+08	9,618973E+08	1,069033E+09	1,149852E+09	1,182690E+09	1,184748E+09	1,184750E+09	1,182700E+09	1,149873E+09
-2430	1,069059E+09	9,619027E+08	8,831391E+08	8,831441E+08	9,619061E+08	1,069048E+09	1,149861E+09	1,182692E+09	1,184749E+09	1,184760E+09	1,182706E+09	1,149846E+09
-2429	1,069004E+09	9,618468E+08	8,830852E+08	8,830958E+08	9,618726E+08	1,069035E+09	1,149864E+09	1,182690E+09	1,184728E+09	1,184722E+09	1,182676E+09	1,149849E+09
-2428	1,069033E+09	9,618889E+08	8,831206E+08	8,831128E+08	9,618774E+08	1,069034E+09	1,149859E+09	1,182690E+09	1,184736E+09	1,184737E+09	1,182699E+09	1,149881E+09
-2427	1,069056E+09	9,618865E+08	8,831055E+08	8,830944E+08	9,618580E+08	1,069021E+09	1,149856E+09	1,182692E+09	1,184739E+09	1,184733E+09	1,182673E+09	1,149828E+09
-2426	1,069002E+09	9,618444E+08	8,830832E+08	8,830885E+08	9,618533E+08	1,069007E+09	1,149839E+09	1,182680E+09	1,184732E+09	1,184730E+09	1,182674E+09	1,149842E+09
-2425	1,069038E+09	9,618953E+08	8,831221E+08	8,831184E+08	9,618857E+08	1,069035E+09	1,149850E+09	1,182680E+09	1,184734E+09	1,184746E+09	1,182707E+09	1,149864E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2424	1,069017E+09	9,618538E+08	8,830878E+08	8,830946E+08	9,618722E+08	1,069034E+09	1,149857E+09	1,182680E+09	1,184720E+09	1,184717E+09	1,182665E+09	1,149830E+09
-2423	1,069001E+09	9,618481E+08	8,830970E+08	8,831054E+08	9,618730E+08	1,069029E+09	1,149855E+09	1,182685E+09	1,184728E+09	1,184727E+09	1,182684E+09	1,149867E+09
-2422	1,069061E+09	9,618999E+08	8,831215E+08	8,831220E+08	9,618911E+08	1,069045E+09	1,149866E+09	1,182697E+09	1,184745E+09	1,184747E+09	1,182696E+09	1,149848E+09
-2421	1,069015E+09	9,618623E+08	8,830973E+08	8,831004E+08	9,618710E+08	1,069034E+09	1,149869E+09	1,182702E+09	1,184739E+09	1,184722E+09	1,182660E+09	1,149827E+09
-2420	1,069021E+09	9,618993E+08	8,831527E+08	8,831466E+08	9,618933E+08	1,069032E+09	1,149855E+09	1,182697E+09	1,184755E+09	1,184755E+09	1,182702E+09	1,149874E+09
-2419	1,069063E+09	9,619208E+08	8,831636E+08	8,831595E+08	9,619058E+08	1,069038E+09	1,149851E+09	1,182688E+09	1,184752E+09	1,184760E+09	1,182699E+09	1,149842E+09
-2418	1,069012E+09	9,618766E+08	8,831398E+08	8,831534E+08	9,619061E+08	1,069037E+09	1,149847E+09	1,182681E+09	1,184739E+09	1,184741E+09	1,182685E+09	1,149852E+09
-2417	1,069054E+09	9,619354E+08	8,831877E+08	8,831866E+08	9,619339E+08	1,069059E+09	1,149860E+09	1,182687E+09	1,184744E+09	1,184754E+09	1,182714E+09	1,149886E+09
-2416	1,069064E+09	9,619213E+08	8,831700E+08	8,831717E+08	9,619214E+08	1,069053E+09	1,149863E+09	1,182691E+09	1,184738E+09	1,184729E+09	1,182664E+09	1,149830E+09
-2415	1,069027E+09	9,619051E+08	8,831709E+08	8,831735E+08	9,619124E+08	1,069040E+09	1,149857E+09	1,182695E+09	1,184747E+09	1,184738E+09	1,182678E+09	1,149853E+09
-2414	1,069066E+09	9,619504E+08	8,831989E+08	8,831936E+08	9,619315E+08	1,069051E+09	1,149858E+09	1,182697E+09	1,184759E+09	1,184764E+09	1,182709E+09	1,149856E+09
-2413	1,069025E+09	9,618941E+08	8,831530E+08	8,831583E+08	9,619108E+08	1,069048E+09	1,149865E+09	1,182694E+09	1,184742E+09	1,184732E+09	1,182667E+09	1,149828E+09
-2412	1,069015E+09	9,618931E+08	8,831600E+08	8,831657E+08	9,619124E+08	1,069044E+09	1,149855E+09	1,182688E+09	1,184745E+09	1,184750E+09	1,182701E+09	1,149876E+09
-2411	1,069069E+09	9,619226E+08	8,831547E+08	8,831525E+08	9,619064E+08	1,069044E+09	1,149856E+09	1,182685E+09	1,184739E+09	1,184748E+09	1,182701E+09	1,149853E+09
-2410	1,069019E+09	9,618712E+08	8,831102E+08	8,831135E+08	9,618775E+08	1,069029E+09	1,149854E+09	1,182688E+09	1,184733E+09	1,184720E+09	1,182663E+09	1,149836E+09
-2409	1,069034E+09	9,619075E+08	8,831476E+08	8,831359E+08	9,618864E+08	1,069029E+09	1,149851E+09	1,182691E+09	1,184745E+09	1,184744E+09	1,182698E+09	1,149874E+09
-2408	1,069053E+09	9,618963E+08	8,831322E+08	8,831320E+08	9,618854E+08	1,069025E+09	1,149845E+09	1,182681E+09	1,184734E+09	1,184731E+09	1,182668E+09	1,149822E+09
-2407	1,069001E+09	9,618569E+08	8,831068E+08	8,831192E+08	9,618808E+08	1,069025E+09	1,149845E+09	1,182678E+09	1,184727E+09	1,184727E+09	1,182677E+09	1,149843E+09
-2406	1,069034E+09	9,619013E+08	8,831386E+08	8,831385E+08	9,619004E+08	1,069043E+09	1,149855E+09	1,182683E+09	1,184735E+09	1,184747E+09	1,182711E+09	1,149871E+09
-2405	1,069026E+09	9,618667E+08	8,831056E+08	8,831121E+08	9,618851E+08	1,069047E+09	1,149872E+09	1,182693E+09	1,184726E+09	1,184713E+09	1,182655E+09	1,149825E+09
-2404	1,069008E+09	9,618671E+08	8,831183E+08	8,831242E+08	9,618846E+08	1,069035E+09	1,149862E+09	1,182698E+09	1,184745E+09	1,184737E+09	1,182680E+09	1,149856E+09
-2403	1,069063E+09	9,619267E+08	8,831550E+08	8,831466E+08	9,618964E+08	1,069035E+09	1,149854E+09	1,182693E+09	1,184752E+09	1,184758E+09	1,182702E+09	1,149850E+09
-2402	1,069020E+09	9,618833E+08	8,831330E+08	8,831378E+08	9,618917E+08	1,069028E+09	1,149849E+09	1,182691E+09	1,184749E+09	1,184737E+09	1,182668E+09	1,149826E+09
-2401	1,069021E+09	9,619108E+08	8,831766E+08	8,831758E+08	9,619154E+08	1,069037E+09	1,149845E+09	1,182686E+09	1,184753E+09	1,184761E+09	1,182713E+09	1,149886E+09
-2400	1,069070E+09	9,619310E+08	8,831861E+08	8,831928E+08	9,619330E+08	1,069049E+09	1,149847E+09	1,182675E+09	1,184735E+09	1,184745E+09	1,182690E+09	1,149847E+09
-2399	1,069030E+09	9,619019E+08	8,831658E+08	8,831775E+08	9,619239E+08	1,069049E+09	1,149856E+09	1,182683E+09	1,184730E+09	1,184724E+09	1,182672E+09	1,149847E+09
-2398	1,069059E+09	9,619564E+08	8,832149E+08	8,832064E+08	9,619395E+08	1,069056E+09	1,149860E+09	1,182693E+09	1,184751E+09	1,184752E+09	1,182705E+09	1,149878E+09
-2397	1,069066E+09	9,619402E+08	8,832006E+08	8,831987E+08	9,619355E+08	1,069059E+09	1,149868E+09	1,182697E+09	1,184747E+09	1,184732E+09	1,182654E+09	1,149814E+09
-2396	1,069019E+09	9,619149E+08	8,831925E+08	8,832006E+08	9,619347E+08	1,069049E+09	1,149856E+09	1,182697E+09	1,184758E+09	1,184752E+09	1,182682E+09	1,149844E+09
-2395	1,069060E+09	9,619609E+08	8,832175E+08	8,832123E+08	9,619446E+08	1,069054E+09	1,149852E+09	1,182687E+09	1,184755E+09	1,184768E+09	1,182718E+09	1,149868E+09
-2394	1,069033E+09	9,619032E+08	8,831687E+08	8,831767E+08	9,619234E+08	1,069050E+09	1,149859E+09	1,182692E+09	1,184747E+09	1,184734E+09	1,182666E+09	1,149831E+09
-2393	1,069022E+09	9,619034E+08	8,831709E+08	8,831751E+08	9,619177E+08	1,069044E+09	1,149856E+09	1,182694E+09	1,184751E+09	1,184751E+09	1,182701E+09	1,149880E+09
-2392	1,069079E+09	9,619381E+08	8,831765E+08	8,831734E+08	9,619154E+08	1,069040E+09	1,149849E+09	1,182680E+09	1,184737E+09	1,184742E+09	1,182688E+09	1,149845E+09
-2391	1,069026E+09	9,618943E+08	8,831405E+08	8,831395E+08	9,618896E+08	1,069028E+09	1,149850E+09	1,182686E+09	1,184732E+09	1,184720E+09	1,182660E+09	1,149828E+09
-2390	1,069026E+09	9,619175E+08	8,831727E+08	8,831631E+08	9,619020E+08	1,069027E+09	1,149839E+09	1,182682E+09	1,184747E+09	1,184752E+09	1,182704E+09	1,149877E+09
-2389	1,069052E+09	9,619031E+08	8,831515E+08	8,831561E+08	9,619089E+08	1,069042E+09	1,149850E+09	1,182675E+09	1,184728E+09	1,184727E+09	1,182664E+09	1,149820E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2388	1,069002E+09	9,618638E+08	8,831197E+08	8,831384E+08	9,619022E+08	1,069043E+09	1,149856E+09	1,182683E+09	1,184730E+09	1,184727E+09	1,182674E+09	1,149840E+09
-2387	1,069040E+09	9,619205E+08	8,831577E+08	8,831520E+08	9,619065E+08	1,069044E+09	1,149857E+09	1,182686E+09	1,184737E+09	1,184743E+09	1,182706E+09	1,149875E+09
-2386	1,069038E+09	9,618894E+08	8,831337E+08	8,831343E+08	9,618927E+08	1,069040E+09	1,149864E+09	1,182699E+09	1,184744E+09	1,184722E+09	1,182649E+09	1,149815E+09
-2385	1,069008E+09	9,618849E+08	8,831479E+08	8,831513E+08	9,618967E+08	1,069030E+09	1,149853E+09	1,182699E+09	1,184759E+09	1,184753E+09	1,182688E+09	1,149858E+09
-2384	1,069065E+09	9,619398E+08	8,831861E+08	8,831848E+08	9,619212E+08	1,069036E+09	1,149839E+09	1,182676E+09	1,184745E+09	1,184759E+09	1,182704E+09	1,149853E+09
-2383	1,069028E+09	9,619029E+08	8,831633E+08	8,831706E+08	9,619179E+08	1,069043E+09	1,149848E+09	1,182681E+09	1,184735E+09	1,184731E+09	1,182672E+09	1,149833E+09
-2382	1,069026E+09	9,619254E+08	8,832013E+08	8,832018E+08	9,619334E+08	1,069045E+09	1,149845E+09	1,182682E+09	1,184748E+09	1,184755E+09	1,182710E+09	1,149893E+09
-2381	1,069085E+09	9,619516E+08	8,832099E+08	8,832138E+08	9,619507E+08	1,069064E+09	1,149860E+09	1,182681E+09	1,184735E+09	1,184734E+09	1,182671E+09	1,149834E+09
-2380	1,069035E+09	9,619245E+08	8,831937E+08	8,832013E+08	9,619397E+08	1,069059E+09	1,149865E+09	1,182697E+09	1,184745E+09	1,184731E+09	1,182661E+09	1,149829E+09
-2379	1,069054E+09	9,619763E+08	8,832466E+08	8,832323E+08	9,619481E+08	1,069050E+09	1,149852E+09	1,182693E+09	1,184760E+09	1,184762E+09	1,182706E+09	1,149874E+09
-2378	1,069063E+09	9,619509E+08	8,832274E+08	8,832292E+08	9,619540E+08	1,069056E+09	1,149853E+09	1,182693E+09	1,184761E+09	1,184748E+09	1,182662E+09	1,149812E+09
-2377	1,069014E+09	9,619174E+08	8,832056E+08	8,832181E+08	9,619498E+08	1,069055E+09	1,149853E+09	1,182691E+09	1,184760E+09	1,184763E+09	1,182696E+09	1,149858E+09
-2376	1,069067E+09	9,619648E+08	8,832304E+08	8,832306E+08	9,619577E+08	1,069058E+09	1,149847E+09	1,182676E+09	1,184742E+09	1,184758E+09	1,182713E+09	1,149876E+09
-2375	1,069052E+09	9,619265E+08	8,831898E+08	8,831913E+08	9,619307E+08	1,069053E+09	1,149859E+09	1,182690E+09	1,184738E+09	1,184724E+09	1,182660E+09	1,149830E+09
-2374	1,069029E+09	9,619239E+08	8,831970E+08	8,831927E+08	9,619198E+08	1,069034E+09	1,149846E+09	1,182691E+09	1,184754E+09	1,184751E+09	1,182694E+09	1,149876E+09
-2373	1,069084E+09	9,619559E+08	8,832053E+08	8,831998E+08	9,619327E+08	1,069047E+09	1,149847E+09	1,182677E+09	1,184737E+09	1,184741E+09	1,182677E+09	1,149830E+09
-2372	1,069021E+09	9,619051E+08	8,831650E+08	8,831695E+08	9,619171E+08	1,069044E+09	1,149853E+09	1,182685E+09	1,184736E+09	1,184727E+09	1,182660E+09	1,149818E+09
-2371	1,069018E+09	9,619239E+08	8,831912E+08	8,831845E+08	9,619200E+08	1,069038E+09	1,149842E+09	1,182678E+09	1,184741E+09	1,184750E+09	1,182706E+09	1,149883E+09
-2370	1,069057E+09	9,619117E+08	8,831686E+08	8,831769E+08	9,619262E+08	1,069051E+09	1,149853E+09	1,182682E+09	1,184739E+09	1,184731E+09	1,182660E+09	1,149818E+09
-2369	1,069007E+09	9,618742E+08	8,831316E+08	8,831470E+08	9,619086E+08	1,069047E+09	1,149862E+09	1,182694E+09	1,184744E+09	1,184736E+09	1,182674E+09	1,149842E+09
-2368	1,069046E+09	9,619337E+08	8,831817E+08	8,831732E+08	9,619132E+08	1,069039E+09	1,149849E+09	1,182684E+09	1,184742E+09	1,184746E+09	1,182700E+09	1,149871E+09
-2367	1,069047E+09	9,619141E+08	8,831683E+08	8,831641E+08	9,619052E+08	1,069035E+09	1,149853E+09	1,182693E+09	1,184745E+09	1,184730E+09	1,182657E+09	1,149814E+09
-2366	1,069005E+09	9,618980E+08	8,831774E+08	8,831816E+08	9,619127E+08	1,069026E+09	1,149835E+09	1,182684E+09	1,184756E+09	1,184760E+09	1,182699E+09	1,149869E+09
-2365	1,069074E+09	9,619546E+08	8,832121E+08	8,832126E+08	9,619465E+08	1,069053E+09	1,149840E+09	1,182663E+09	1,184732E+09	1,184750E+09	1,182698E+09	1,149854E+09
-2364	1,069038E+09	9,619224E+08	8,831893E+08	8,831972E+08	9,619412E+08	1,069060E+09	1,149858E+09	1,182682E+09	1,184731E+09	1,184723E+09	1,182659E+09	1,149825E+09
-2363	1,069036E+09	9,619514E+08	8,832306E+08	8,832236E+08	9,619444E+08	1,069048E+09	1,149847E+09	1,182684E+09	1,184746E+09	1,184746E+09	1,182695E+09	1,149885E+09
-2362	1,069093E+09	9,619771E+08	8,832460E+08	8,832448E+08	9,619654E+08	1,069062E+09	1,149854E+09	1,182690E+09	1,184755E+09	1,184742E+09	1,182659E+09	1,149816E+09
-2361	1,069028E+09	9,619366E+08	8,832214E+08	8,832298E+08	9,619574E+08	1,069061E+09	1,149863E+09	1,182702E+09	1,184762E+09	1,184749E+09	1,182669E+09	1,149826E+09
-2360	1,069046E+09	9,619779E+08	8,832703E+08	8,832650E+08	9,619714E+08	1,069056E+09	1,149844E+09	1,182684E+09	1,184759E+09	1,184769E+09	1,182712E+09	1,149878E+09
-2359	1,069068E+09	9,619616E+08	8,832481E+08	8,832524E+08	9,619722E+08	1,069067E+09	1,149856E+09	1,182688E+09	1,184752E+09	1,184750E+09	1,182674E+09	1,149823E+09
-2358	1,069020E+09	9,619252E+08	8,832200E+08	8,832323E+08	9,619571E+08	1,069056E+09	1,149851E+09	1,182689E+09	1,184758E+09	1,184762E+09	1,182700E+09	1,149870E+09
-2357	1,069085E+09	9,619839E+08	8,832475E+08	8,832407E+08	9,619657E+08	1,069067E+09	1,149852E+09	1,182676E+09	1,184740E+09	1,184749E+09	1,182698E+09	1,149866E+09
-2356	1,069060E+09	9,619491E+08	8,832174E+08	8,832116E+08	9,619407E+08	1,069055E+09	1,149860E+09	1,182694E+09	1,184745E+09	1,184728E+09	1,182649E+09	1,149814E+09
-2355	1,069028E+09	9,619420E+08	8,832262E+08	8,832184E+08	9,619306E+08	1,069029E+09	1,149834E+09	1,182683E+09	1,184753E+09	1,184754E+09	1,182693E+09	1,149871E+09
-2354	1,069082E+09	9,619644E+08	8,832283E+08	8,832287E+08	9,619540E+08	1,069049E+09	1,149836E+09	1,182671E+09	1,184743E+09	1,184747E+09	1,182677E+09	1,149825E+09
-2353	1,069015E+09	9,619051E+08	8,831762E+08	8,831860E+08	9,619349E+08	1,069058E+09	1,149859E+09	1,182685E+09	1,184736E+09	1,184731E+09	1,182667E+09	1,149826E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2352	1,069021E+09	9,619247E+08	8,832037E+08	8,832010E+08	9,619308E+08	1,069045E+09	1,149845E+09	1,182675E+09	1,184734E+09	1,184740E+09	1,182697E+09	1,149882E+09
-2351	1,069070E+09	9,619324E+08	8,831902E+08	8,831906E+08	9,619307E+08	1,069053E+09	1,149857E+09	1,182686E+09	1,184738E+09	1,184729E+09	1,182657E+09	1,149814E+09
-2350	1,069010E+09	9,618929E+08	8,831599E+08	8,831669E+08	9,619104E+08	1,069036E+09	1,149850E+09	1,182694E+09	1,184754E+09	1,184746E+09	1,182676E+09	1,149841E+09
-2349	1,069055E+09	9,619535E+08	8,832114E+08	8,831998E+08	9,619301E+08	1,069043E+09	1,149841E+09	1,182676E+09	1,184743E+09	1,184751E+09	1,182697E+09	1,149862E+09
-2348	1,069049E+09	9,619322E+08	8,832004E+08	8,831989E+08	9,619325E+08	1,069047E+09	1,149850E+09	1,182685E+09	1,184744E+09	1,184736E+09	1,182658E+09	1,149812E+09
-2347	1,069010E+09	9,619150E+08	8,832067E+08	8,832118E+08	9,619335E+08	1,069034E+09	1,149832E+09	1,182674E+09	1,184745E+09	1,184753E+09	1,182697E+09	1,149875E+09
-2346	1,069086E+09	9,619730E+08	8,832404E+08	8,832432E+08	9,619685E+08	1,069061E+09	1,149842E+09	1,182670E+09	1,184738E+09	1,184745E+09	1,182687E+09	1,149846E+09
-2345	1,069044E+09	9,619404E+08	8,832147E+08	8,832193E+08	9,619569E+08	1,069070E+09	1,149867E+09	1,182694E+09	1,184744E+09	1,184729E+09	1,182655E+09	1,149818E+09
-2344	1,069034E+09	9,619643E+08	8,832624E+08	8,832544E+08	9,619583E+08	1,069049E+09	1,149845E+09	1,182687E+09	1,184754E+09	1,184752E+09	1,182689E+09	1,149872E+09
-2343	1,069094E+09	9,619955E+08	8,832795E+08	8,832779E+08	9,619844E+08	1,069065E+09	1,149849E+09	1,182688E+09	1,184758E+09	1,184756E+09	1,182673E+09	1,149815E+09
-2342	1,069022E+09	9,619420E+08	8,832429E+08	8,832550E+08	9,619730E+08	1,069062E+09	1,149851E+09	1,182693E+09	1,184765E+09	1,184762E+09	1,182685E+09	1,149841E+09
-2341	1,069057E+09	9,619861E+08	8,832835E+08	8,832809E+08	9,619892E+08	1,069072E+09	1,149847E+09	1,182676E+09	1,184750E+09	1,184764E+09	1,182711E+09	1,149883E+09
-2340	1,069083E+09	9,619798E+08	8,832671E+08	8,832692E+08	9,619844E+08	1,069076E+09	1,149862E+09	1,182690E+09	1,184749E+09	1,184743E+09	1,182666E+09	1,149821E+09
-2339	1,069034E+09	9,619490E+08	8,832440E+08	8,832471E+08	9,619585E+08	1,069050E+09	1,149845E+09	1,182685E+09	1,184753E+09	1,184752E+09	1,182688E+09	1,149866E+09
-2338	1,069096E+09	9,620081E+08	8,832804E+08	8,832683E+08	9,619754E+08	1,069058E+09	1,149841E+09	1,182678E+09	1,184750E+09	1,184752E+09	1,182687E+09	1,149850E+09
-2337	1,069054E+09	9,619603E+08	8,832421E+08	8,832377E+08	9,619580E+08	1,069060E+09	1,149856E+09	1,182692E+09	1,184751E+09	1,184737E+09	1,182653E+09	1,149807E+09
-2336	1,069017E+09	9,619407E+08	8,832461E+08	8,832466E+08	9,619522E+08	1,069039E+09	1,149832E+09	1,182674E+09	1,184746E+09	1,184752E+09	1,182690E+09	1,149867E+09
-2335	1,069083E+09	9,619722E+08	8,832461E+08	8,832504E+08	9,619725E+08	1,069063E+09	1,149844E+09	1,182670E+09	1,184735E+09	1,184745E+09	1,182683E+09	1,149828E+09
-2334	1,069017E+09	9,619089E+08	8,831859E+08	8,831970E+08	9,619403E+08	1,069060E+09	1,149862E+09	1,182691E+09	1,184742E+09	1,184733E+09	1,182668E+09	1,149833E+09
-2333	1,069036E+09	9,619394E+08	8,832168E+08	8,832089E+08	9,619370E+08	1,069053E+09	1,149851E+09	1,182681E+09	1,184740E+09	1,184741E+09	1,182688E+09	1,149872E+09
-2332	1,069076E+09	9,619542E+08	8,832197E+08	8,832129E+08	9,619377E+08	1,069050E+09	1,149855E+09	1,182691E+09	1,184750E+09	1,184740E+09	1,182656E+09	1,149805E+09
-2331	1,069012E+09	9,619111E+08	8,831914E+08	8,831967E+08	9,619219E+08	1,069027E+09	1,149832E+09	1,182680E+09	1,184751E+09	1,184752E+09	1,182683E+09	1,149844E+09
-2330	1,069061E+09	9,619699E+08	8,832421E+08	8,832350E+08	9,619531E+08	1,069043E+09	1,149826E+09	1,182665E+09	1,184743E+09	1,184755E+09	1,182700E+09	1,149863E+09
-2329	1,069053E+09	9,619433E+08	8,832226E+08	8,832256E+08	9,619558E+08	1,069062E+09	1,149853E+09	1,182680E+09	1,184738E+09	1,184734E+09	1,182661E+09	1,149818E+09
-2328	1,069018E+09	9,619282E+08	8,832328E+08	8,832400E+08	9,619520E+08	1,069044E+09	1,149837E+09	1,182672E+09	1,184736E+09	1,184739E+09	1,182682E+09	1,149868E+09
-2327	1,069099E+09	9,620003E+08	8,832740E+08	8,832709E+08	9,619838E+08	1,069069E+09	1,149848E+09	1,182675E+09	1,184738E+09	1,184743E+09	1,182680E+09	1,149835E+09
-2326	1,069042E+09	9,619573E+08	8,832471E+08	8,832492E+08	9,619690E+08	1,069068E+09	1,149864E+09	1,182700E+09	1,184758E+09	1,184742E+09	1,182658E+09	1,149816E+09
-2325	1,069038E+09	9,619771E+08	8,832866E+08	8,832824E+08	9,619821E+08	1,069063E+09	1,149845E+09	1,182684E+09	1,184760E+09	1,184761E+09	1,182691E+09	1,149865E+09
-2324	1,069091E+09	9,620077E+08	8,833051E+08	8,833071E+08	9,620081E+08	1,069079E+09	1,149854E+09	1,182687E+09	1,184762E+09	1,184765E+09	1,182681E+09	1,149820E+09
-2323	1,069030E+09	9,619552E+08	8,832635E+08	8,832761E+08	9,619854E+08	1,069065E+09	1,149848E+09	1,182687E+09	1,184759E+09	1,184759E+09	1,182690E+09	1,149853E+09
-2322	1,069076E+09	9,620058E+08	8,833038E+08	8,832993E+08	9,619972E+08	1,069067E+09	1,149843E+09	1,182681E+09	1,184755E+09	1,184759E+09	1,182701E+09	1,149878E+09
-2321	1,069092E+09	9,620001E+08	8,832889E+08	8,832849E+08	9,619907E+08	1,069076E+09	1,149862E+09	1,182695E+09	1,184756E+09	1,184746E+09	1,182661E+09	1,149815E+09
-2320	1,069035E+09	9,619648E+08	8,832758E+08	8,832752E+08	9,619667E+08	1,069043E+09	1,149835E+09	1,182680E+09	1,184751E+09	1,184749E+09	1,182678E+09	1,149851E+09
-2319	1,069093E+09	9,620228E+08	8,833094E+08	8,832992E+08	9,619938E+08	1,069060E+09	1,149833E+09	1,182668E+09	1,184744E+09	1,184756E+09	1,182695E+09	1,149844E+09
-2318	1,069044E+09	9,619609E+08	8,832583E+08	8,832612E+08	9,619756E+08	1,069066E+09	1,149851E+09	1,182684E+09	1,184749E+09	1,184742E+09	1,182662E+09	1,149816E+09
-2317	1,069024E+09	9,619434E+08	8,832511E+08	8,832576E+08	9,619699E+08	1,069059E+09	1,149840E+09	1,182670E+09	1,184739E+09	1,184744E+09	1,182684E+09	1,149863E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2316	1,069089E+09	9,619860E+08	8,832613E+08	8,832640E+08	9,619822E+08	1,069072E+09	1,149854E+09	1,182679E+09	1,184739E+09	1,184741E+09	1,182674E+09	1,149824E+09
-2315	1,069027E+09	9,619292E+08	8,832078E+08	8,832115E+08	9,619398E+08	1,069050E+09	1,149855E+09	1,182692E+09	1,184746E+09	1,184733E+09	1,182664E+09	1,149830E+09
-2314	1,069045E+09	9,619617E+08	8,832472E+08	8,832362E+08	9,619442E+08	1,069039E+09	1,149837E+09	1,182685E+09	1,184754E+09	1,184749E+09	1,182686E+09	1,149862E+09
-2313	1,069074E+09	9,619680E+08	8,832464E+08	8,832428E+08	9,619577E+08	1,069054E+09	1,149848E+09	1,182686E+09	1,184754E+09	1,184752E+09	1,182668E+09	1,149807E+09
-2312	1,069009E+09	9,619193E+08	8,832200E+08	8,832310E+08	9,619456E+08	1,069036E+09	1,149827E+09	1,182667E+09	1,184738E+09	1,184745E+09	1,182682E+09	1,149846E+09
-2311	1,069069E+09	9,619875E+08	8,832697E+08	8,832662E+08	9,619778E+08	1,069059E+09	1,149833E+09	1,182659E+09	1,184730E+09	1,184748E+09	1,182702E+09	1,149866E+09
-2310	1,069059E+09	9,619578E+08	8,832444E+08	8,832488E+08	9,619714E+08	1,069070E+09	1,149859E+09	1,182686E+09	1,184743E+09	1,184732E+09	1,182656E+09	1,149818E+09
-2309	1,069032E+09	9,619492E+08	8,832547E+08	8,832593E+08	9,619688E+08	1,069059E+09	1,149846E+09	1,182681E+09	1,184746E+09	1,184739E+09	1,182669E+09	1,149850E+09
-2308	1,069098E+09	9,620231E+08	8,833096E+08	8,833036E+08	9,620004E+08	1,069072E+09	1,149851E+09	1,182686E+09	1,184755E+09	1,184756E+09	1,182679E+09	1,149826E+09
-2307	1,069041E+09	9,619704E+08	8,832750E+08	8,832798E+08	9,619839E+08	1,069063E+09	1,149851E+09	1,182694E+09	1,184763E+09	1,184753E+09	1,182669E+09	1,149822E+09
-2306	1,069044E+09	9,619899E+08	8,833101E+08	8,833107E+08	9,619995E+08	1,069062E+09	1,149837E+09	1,182682E+09	1,184764E+09	1,184768E+09	1,182699E+09	1,149870E+09
-2305	1,069097E+09	9,620198E+08	8,833219E+08	8,833250E+08	9,620212E+08	1,069086E+09	1,149855E+09	1,182684E+09	1,184758E+09	1,184764E+09	1,182686E+09	1,149829E+09
-2304	1,069040E+09	9,619726E+08	8,832880E+08	8,832960E+08	9,619925E+08	1,069063E+09	1,149844E+09	1,182680E+09	1,184748E+09	1,184744E+09	1,182675E+09	1,149848E+09
-2303	1,069089E+09	9,620357E+08	8,833379E+08	8,833253E+08	9,620071E+08	1,069065E+09	1,149837E+09	1,182675E+09	1,184751E+09	1,184756E+09	1,182695E+09	1,149868E+09
-2302	1,069090E+09	9,620156E+08	8,833181E+08	8,833139E+08	9,620033E+08	1,069071E+09	1,149851E+09	1,182691E+09	1,184762E+09	1,184751E+09	1,182660E+09	1,149810E+09
-2301	1,069035E+09	9,619742E+08	8,832939E+08	8,833013E+08	9,619939E+08	1,069059E+09	1,149834E+09	1,182673E+09	1,184749E+09	1,184749E+09	1,182674E+09	1,149839E+09
-2300	1,069083E+09	9,620298E+08	8,833296E+08	8,833254E+08	9,620176E+08	1,069078E+09	1,149843E+09	1,182671E+09	1,184744E+09	1,184755E+09	1,182693E+09	1,149845E+09
-2299	1,069045E+09	9,619648E+08	8,832693E+08	8,832767E+08	9,619868E+08	1,069072E+09	1,149856E+09	1,182686E+09	1,184747E+09	1,184738E+09	1,182662E+09	1,149823E+09
-2298	1,069036E+09	9,619568E+08	8,832626E+08	8,832691E+08	9,619746E+08	1,069056E+09	1,149843E+09	1,182684E+09	1,184751E+09	1,184746E+09	1,182678E+09	1,149857E+09
-2297	1,069092E+09	9,620011E+08	8,832780E+08	8,832751E+08	9,619848E+08	1,069071E+09	1,149855E+09	1,182687E+09	1,184753E+09	1,184752E+09	1,182678E+09	1,149821E+09
-2296	1,069026E+09	9,619441E+08	8,832375E+08	8,832374E+08	9,619465E+08	1,069039E+09	1,149840E+09	1,182684E+09	1,184747E+09	1,184737E+09	1,182664E+09	1,149826E+09
-2295	1,069048E+09	9,619804E+08	8,832777E+08	8,832689E+08	9,619638E+08	1,069037E+09	1,149822E+09	1,182667E+09	1,184746E+09	1,184756E+09	1,182698E+09	1,149865E+09
-2294	1,069073E+09	9,619766E+08	8,832677E+08	8,832703E+08	9,619780E+08	1,069060E+09	1,149841E+09	1,182674E+09	1,184746E+09	1,184751E+09	1,182675E+09	1,149821E+09
-2293	1,069024E+09	9,619343E+08	8,832356E+08	8,832518E+08	9,619697E+08	1,069057E+09	1,149836E+09	1,182663E+09	1,184727E+09	1,184730E+09	1,182668E+09	1,149839E+09
-2292	1,069077E+09	9,620111E+08	8,832983E+08	8,832915E+08	9,619948E+08	1,069071E+09	1,149846E+09	1,182671E+09	1,184734E+09	1,184738E+09	1,182685E+09	1,149856E+09
-2291	1,069068E+09	9,619825E+08	8,832769E+08	8,832760E+08	9,619819E+08	1,069067E+09	1,149856E+09	1,182692E+09	1,184752E+09	1,184735E+09	1,182649E+09	1,149811E+09
-2290	1,069037E+09	9,619717E+08	8,832873E+08	8,832917E+08	9,619828E+08	1,069052E+09	1,149839E+09	1,182690E+09	1,184764E+09	1,184752E+09	1,182668E+09	1,149837E+09
-2289	1,069088E+09	9,620331E+08	8,833350E+08	8,833343E+08	9,620234E+08	1,069080E+09	1,149849E+09	1,182685E+09	1,184765E+09	1,184772E+09	1,182694E+09	1,149831E+09
-2288	1,069037E+09	9,619800E+08	8,833029E+08	8,833103E+08	9,620027E+08	1,069068E+09	1,149845E+09	1,182684E+09	1,184757E+09	1,184752E+09	1,182673E+09	1,149830E+09
-2287	1,069055E+09	9,620082E+08	8,833349E+08	8,833365E+08	9,620163E+08	1,069067E+09	1,149835E+09	1,182673E+09	1,184755E+09	1,184766E+09	1,182703E+09	1,149876E+09
-2286	1,069107E+09	9,620375E+08	8,833432E+08	8,833440E+08	9,620309E+08	1,069087E+09	1,149853E+09	1,182685E+09	1,184760E+09	1,184763E+09	1,182683E+09	1,149833E+09
-2285	1,069056E+09	9,619969E+08	8,833114E+08	8,833156E+08	9,620071E+08	1,069071E+09	1,149843E+09	1,182679E+09	1,184749E+09	1,184740E+09	1,182660E+09	1,149830E+09
-2284	1,069086E+09	9,620564E+08	8,833726E+08	8,833584E+08	9,620259E+08	1,069068E+09	1,149835E+09	1,182676E+09	1,184756E+09	1,184758E+09	1,182688E+09	1,149859E+09
-2283	1,069086E+09	9,620237E+08	8,833409E+08	8,833431E+08	9,620235E+08	1,069073E+09	1,149840E+09	1,182680E+09	1,184760E+09	1,184755E+09	1,182664E+09	1,149813E+09
-2282	1,069037E+09	9,619808E+08	8,833073E+08	8,833218E+08	9,620107E+08	1,069065E+09	1,149836E+09	1,182676E+09	1,184751E+09	1,184749E+09	1,182673E+09	1,149838E+09
-2281	1,069081E+09	9,620329E+08	8,833370E+08	8,833363E+08	9,620297E+08	1,069090E+09	1,149854E+09	1,182678E+09	1,184747E+09	1,184755E+09	1,182694E+09	1,149849E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2280	1,069049E+09	9,619775E+08	8,832871E+08	8,832878E+08	9,619877E+08	1,069068E+09	1,149855E+09	1,182689E+09	1,184748E+09	1,184731E+09	1,182652E+09	1,149819E+09
-2279	1,069045E+09	9,619806E+08	8,832899E+08	8,832882E+08	9,619788E+08	1,069049E+09	1,149835E+09	1,182680E+09	1,184755E+09	1,184754E+09	1,182680E+09	1,149852E+09
-2278	1,069090E+09	9,620149E+08	8,833027E+08	8,832988E+08	9,619943E+08	1,069063E+09	1,149842E+09	1,182681E+09	1,184760E+09	1,184764E+09	1,182685E+09	1,149826E+09
-2277	1,069031E+09	9,619576E+08	8,832568E+08	8,832631E+08	9,619733E+08	1,069053E+09	1,149834E+09	1,182672E+09	1,184741E+09	1,184736E+09	1,182662E+09	1,149821E+09
-2276	1,069048E+09	9,619966E+08	8,833063E+08	8,833007E+08	9,619902E+08	1,069054E+09	1,149828E+09	1,182665E+09	1,184741E+09	1,184748E+09	1,182692E+09	1,149871E+09
-2275	1,069083E+09	9,619897E+08	8,832875E+08	8,832941E+08	9,619952E+08	1,069066E+09	1,149842E+09	1,182673E+09	1,184742E+09	1,184742E+09	1,182667E+09	1,149824E+09
-2274	1,069039E+09	9,619572E+08	8,832593E+08	8,832733E+08	9,619811E+08	1,069059E+09	1,149843E+09	1,182680E+09	1,184741E+09	1,184730E+09	1,182655E+09	1,149824E+09
-2273	1,069073E+09	9,620290E+08	8,833266E+08	8,833153E+08	9,620063E+08	1,069074E+09	1,149851E+09	1,182684E+09	1,184752E+09	1,184751E+09	1,182684E+09	1,149845E+09
-2272	1,069058E+09	9,619964E+08	8,833113E+08	8,833083E+08	9,619954E+08	1,069061E+09	1,149845E+09	1,182688E+09	1,184760E+09	1,184745E+09	1,182652E+09	1,149807E+09
-2271	1,069036E+09	9,619872E+08	8,833170E+08	8,833253E+08	9,620063E+08	1,069055E+09	1,149826E+09	1,182674E+09	1,184762E+09	1,184768E+09	1,182686E+09	1,149846E+09
-2270	1,069089E+09	9,620400E+08	8,833531E+08	8,833573E+08	9,620409E+08	1,069086E+09	1,149842E+09	1,182675E+09	1,184761E+09	1,184776E+09	1,182704E+09	1,149850E+09
-2269	1,069058E+09	9,619982E+08	8,833187E+08	8,833289E+08	9,620229E+08	1,069081E+09	1,149846E+09	1,182677E+09	1,184746E+09	1,184739E+09	1,182662E+09	1,149828E+09
-2268	1,069070E+09	9,620380E+08	8,833683E+08	8,833626E+08	9,620301E+08	1,069071E+09	1,149837E+09	1,182677E+09	1,184755E+09	1,184754E+09	1,182686E+09	1,149871E+09
-2267	1,069118E+09	9,620617E+08	8,833766E+08	8,833726E+08	9,620417E+08	1,069081E+09	1,149843E+09	1,182681E+09	1,184762E+09	1,184761E+09	1,182673E+09	1,149825E+09
-2266	1,069060E+09	9,620181E+08	8,833434E+08	8,833482E+08	9,620249E+08	1,069070E+09	1,149840E+09	1,182684E+09	1,184757E+09	1,184745E+09	1,182655E+09	1,149815E+09
-2265	1,069072E+09	9,620609E+08	8,833933E+08	8,833853E+08	9,620510E+08	1,069085E+09	1,149841E+09	1,182677E+09	1,184761E+09	1,184766E+09	1,182693E+09	1,149857E+09
-2264	1,069077E+09	9,620267E+08	8,833597E+08	8,833644E+08	9,620404E+08	1,069083E+09	1,149844E+09	1,182678E+09	1,184756E+09	1,184752E+09	1,182663E+09	1,149817E+09
-2263	1,069044E+09	9,619919E+08	8,833207E+08	8,833357E+08	9,620225E+08	1,069072E+09	1,149839E+09	1,182676E+09	1,184752E+09	1,184754E+09	1,182676E+09	1,149840E+09
-2262	1,069086E+09	9,620421E+08	8,833476E+08	8,833429E+08	9,620309E+08	1,069088E+09	1,149854E+09	1,182686E+09	1,184759E+09	1,184762E+09	1,182695E+09	1,149854E+09
-2261	1,069063E+09	9,619966E+08	8,833050E+08	8,833013E+08	9,619948E+08	1,069066E+09	1,149848E+09	1,182688E+09	1,184754E+09	1,184736E+09	1,182646E+09	1,149809E+09
-2260	1,069044E+09	9,619990E+08	8,833221E+08	8,833177E+08	9,619923E+08	1,069044E+09	1,149824E+09	1,182675E+09	1,184758E+09	1,184757E+09	1,182680E+09	1,149853E+09
-2259	1,069093E+09	9,620254E+08	8,833270E+08	8,833269E+08	9,620123E+08	1,069062E+09	1,149825E+09	1,182664E+09	1,184752E+09	1,184766E+09	1,182690E+09	1,149835E+09
-2258	1,069043E+09	9,619735E+08	8,832781E+08	8,832862E+08	9,619898E+08	1,069060E+09	1,149835E+09	1,182668E+09	1,184733E+09	1,184729E+09	1,182654E+09	1,149817E+09
-2257	1,069049E+09	9,620079E+08	8,833246E+08	8,833204E+08	9,620083E+08	1,069069E+09	1,149838E+09	1,182670E+09	1,184740E+09	1,184742E+09	1,182682E+09	1,149865E+09
-2256	1,069086E+09	9,620103E+08	8,833183E+08	8,833178E+08	9,620066E+08	1,069068E+09	1,149842E+09	1,182676E+09	1,184745E+09	1,184735E+09	1,182651E+09	1,149813E+09
-2255	1,069043E+09	9,619809E+08	8,832938E+08	8,833031E+08	9,619961E+08	1,069058E+09	1,149836E+09	1,182678E+09	1,184751E+09	1,184744E+09	1,182657E+09	1,149815E+09
-2254	1,069065E+09	9,620369E+08	8,833524E+08	8,833450E+08	9,620253E+08	1,069076E+09	1,149844E+09	1,182683E+09	1,184765E+09	1,184769E+09	1,182695E+09	1,149851E+09
-2253	1,069062E+09	9,620076E+08	8,833313E+08	8,833360E+08	9,620235E+08	1,069076E+09	1,149842E+09	1,182680E+09	1,184758E+09	1,184750E+09	1,182657E+09	1,149809E+09
-2252	1,069039E+09	9,620038E+08	8,833462E+08	8,833555E+08	9,620289E+08	1,069068E+09	1,149830E+09	1,182672E+09	1,184758E+09	1,184762E+09	1,182685E+09	1,149859E+09
-2251	1,069106E+09	9,620576E+08	8,833758E+08	8,833793E+08	9,620542E+08	1,069087E+09	1,149838E+09	1,182672E+09	1,184758E+09	1,184770E+09	1,182699E+09	1,149857E+09
-2250	1,069080E+09	9,620286E+08	8,833484E+08	8,833503E+08	9,620308E+08	1,069080E+09	1,149849E+09	1,182686E+09	1,184753E+09	1,184737E+09	1,182647E+09	1,149814E+09
-2249	1,069069E+09	9,620591E+08	8,834013E+08	8,833914E+08	9,620453E+08	1,069075E+09	1,149838E+09	1,182682E+09	1,184765E+09	1,184761E+09	1,182680E+09	1,149858E+09
-2248	1,069109E+09	9,620762E+08	8,834111E+08	8,834061E+08	9,620602E+08	1,069079E+09	1,149832E+09	1,182674E+09	1,184763E+09	1,184764E+09	1,182671E+09	1,149819E+09
-2247	1,069057E+09	9,620284E+08	8,833683E+08	8,833778E+08	9,620493E+08	1,069080E+09	1,149833E+09	1,182671E+09	1,184755E+09	1,184757E+09	1,182666E+09	1,149818E+09
-2246	1,069067E+09	9,620587E+08	8,834026E+08	8,833998E+08	9,620652E+08	1,069096E+09	1,149846E+09	1,182677E+09	1,184761E+09	1,184770E+09	1,182699E+09	1,149868E+09
-2245	1,069090E+09	9,620361E+08	8,833662E+08	8,833728E+08	9,620526E+08	1,069094E+09	1,149850E+09	1,182680E+09	1,184754E+09	1,184746E+09	1,182654E+09	1,149812E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2244	1,069053E+09	9,620146E+08	8,833466E+08	8,833517E+08	9,620268E+08	1,069071E+09	1,149839E+09	1,182682E+09	1,184759E+09	1,184750E+09	1,182667E+09	1,149840E+09
-2243	1,069095E+09	9,620586E+08	8,833718E+08	8,833614E+08	9,620329E+08	1,069073E+09	1,149836E+09	1,182678E+09	1,184764E+09	1,184768E+09	1,182693E+09	1,149852E+09
-2242	1,069071E+09	9,620152E+08	8,833324E+08	8,833274E+08	9,620065E+08	1,069061E+09	1,149839E+09	1,182684E+09	1,184756E+09	1,184742E+09	1,182646E+09	1,149801E+09
-2241	1,069037E+09	9,620067E+08	8,833456E+08	8,833457E+08	9,620161E+08	1,069057E+09	1,149823E+09	1,182667E+09	1,184753E+09	1,184759E+09	1,182683E+09	1,149852E+09
-2240	1,069090E+09	9,620336E+08	8,833504E+08	8,833514E+08	9,620307E+08	1,069071E+09	1,149825E+09	1,182656E+09	1,184740E+09	1,184754E+09	1,182683E+09	1,149835E+09
-2239	1,069052E+09	9,619902E+08	8,833005E+08	8,833087E+08	9,620090E+08	1,069072E+09	1,149838E+09	1,182666E+09	1,184733E+09	1,184730E+09	1,182650E+09	1,149812E+09
-2238	1,069050E+09	9,620188E+08	8,833431E+08	8,833356E+08	9,620175E+08	1,069074E+09	1,149844E+09	1,182680E+09	1,184753E+09	1,184749E+09	1,182677E+09	1,149859E+09
-2237	1,069091E+09	9,620270E+08	8,833418E+08	8,833414E+08	9,620232E+08	1,069072E+09	1,149840E+09	1,182679E+09	1,184754E+09	1,184744E+09	1,182648E+09	1,149800E+09
-2236	1,069039E+09	9,619977E+08	8,833283E+08	8,833373E+08	9,620160E+08	1,069060E+09	1,149830E+09	1,182677E+09	1,184758E+09	1,184752E+09	1,182663E+09	1,149822E+09
-2235	1,069070E+09	9,620443E+08	8,833740E+08	8,833712E+08	9,620431E+08	1,069077E+09	1,149831E+09	1,182670E+09	1,184761E+09	1,184775E+09	1,182706E+09	1,149866E+09
-2234	1,069081E+09	9,620274E+08	8,833555E+08	8,833585E+08	9,620359E+08	1,069081E+09	1,149845E+09	1,182679E+09	1,184752E+09	1,184746E+09	1,182655E+09	1,149810E+09
-2233	1,069050E+09	9,620246E+08	8,833730E+08	8,833786E+08	9,620438E+08	1,069077E+09	1,149836E+09	1,182675E+09	1,184757E+09	1,184755E+09	1,182676E+09	1,149853E+09
-2232	1,069115E+09	9,620869E+08	8,834148E+08	8,834067E+08	9,620641E+08	1,069084E+09	1,149832E+09	1,182669E+09	1,184757E+09	1,184764E+09	1,182684E+09	1,149845E+09
-2231	1,069087E+09	9,620570E+08	8,833901E+08	8,833872E+08	9,620508E+08	1,069081E+09	1,149838E+09	1,182678E+09	1,184759E+09	1,184748E+09	1,182645E+09	1,149800E+09
-2230	1,069060E+09	9,620663E+08	8,834274E+08	8,834231E+08	9,620694E+08	1,069084E+09	1,149836E+09	1,182681E+09	1,184773E+09	1,184773E+09	1,182686E+09	1,149856E+09
-2229	1,069110E+09	9,620831E+08	8,834282E+08	8,834334E+08	9,620898E+08	1,069098E+09	1,149836E+09	1,182670E+09	1,184760E+09	1,184766E+09	1,182673E+09	1,149817E+09
-2228	1,069056E+09	9,620367E+08	8,833887E+08	8,834004E+08	9,620671E+08	1,069093E+09	1,149843E+09	1,182677E+09	1,184756E+09	1,184751E+09	1,182665E+09	1,149828E+09
-2227	1,069078E+09	9,620647E+08	8,834129E+08	8,834102E+08	9,620701E+08	1,069095E+09	1,149845E+09	1,182681E+09	1,184766E+09	1,184771E+09	1,182698E+09	1,149872E+09
-2226	1,069108E+09	9,620591E+08	8,833872E+08	8,833824E+08	9,620476E+08	1,069086E+09	1,149851E+09	1,182689E+09	1,184762E+09	1,184750E+09	1,182648E+09	1,149800E+09
-2225	1,069050E+09	9,620286E+08	8,833722E+08	8,833729E+08	9,620337E+08	1,069066E+09	1,149833E+09	1,182680E+09	1,184765E+09	1,184760E+09	1,182668E+09	1,149831E+09
-2224	1,069090E+09	9,620715E+08	8,834008E+08	8,833891E+08	9,620464E+08	1,069067E+09	1,149817E+09	1,182660E+09	1,184756E+09	1,184770E+09	1,182696E+09	1,149853E+09
-2223	1,069074E+09	9,620273E+08	8,833560E+08	8,833550E+08	9,620290E+08	1,069069E+09	1,149826E+09	1,182661E+09	1,184744E+09	1,184744E+09	1,182651E+09	1,149804E+09
-2222	1,069038E+09	9,620093E+08	8,833575E+08	8,833626E+08	9,620329E+08	1,069071E+09	1,149830E+09	1,182665E+09	1,184746E+09	1,184752E+09	1,182679E+09	1,149856E+09
-2221	1,069104E+09	9,620484E+08	8,833648E+08	8,833681E+08	9,620477E+08	1,069084E+09	1,149834E+09	1,182660E+09	1,184736E+09	1,184742E+09	1,182665E+09	1,149823E+09
-2220	1,069057E+09	9,620133E+08	8,833335E+08	8,833341E+08	9,620202E+08	1,069076E+09	1,149845E+09	1,182677E+09	1,184742E+09	1,184726E+09	1,182639E+09	1,149806E+09
-2219	1,069052E+09	9,620301E+08	8,833693E+08	8,833615E+08	9,620284E+08	1,069069E+09	1,149836E+09	1,182680E+09	1,184765E+09	1,184762E+09	1,182680E+09	1,149854E+09
-2218	1,069095E+09	9,620439E+08	8,833700E+08	8,833687E+08	9,620376E+08	1,069076E+09	1,149840E+09	1,182680E+09	1,184761E+09	1,184757E+09	1,182654E+09	1,149795E+09
-2217	1,069035E+09	9,620071E+08	8,833540E+08	8,833669E+08	9,620391E+08	1,069073E+09	1,149833E+09	1,182675E+09	1,184760E+09	1,184760E+09	1,182671E+09	1,149827E+09
-2216	1,069077E+09	9,620610E+08	8,834012E+08	8,833967E+08	9,620578E+08	1,069080E+09	1,149827E+09	1,182663E+09	1,184755E+09	1,184769E+09	1,182703E+09	1,149871E+09
-2215	1,069100E+09	9,620544E+08	8,833866E+08	8,833860E+08	9,620532E+08	1,069086E+09	1,149840E+09	1,182673E+09	1,184754E+09	1,184750E+09	1,182652E+09	1,149807E+09
-2214	1,069058E+09	9,620455E+08	8,834029E+08	8,834030E+08	9,620556E+08	1,069080E+09	1,149838E+09	1,182681E+09	1,184766E+09	1,184761E+09	1,182672E+09	1,149846E+09
-2213	1,069119E+09	9,621060E+08	8,834461E+08	8,834408E+08	9,620864E+08	1,069088E+09	1,149828E+09	1,182666E+09	1,184760E+09	1,184767E+09	1,182679E+09	1,149832E+09
-2212	1,069081E+09	9,620727E+08	8,834266E+08	8,834270E+08	9,620782E+08	1,069090E+09	1,149835E+09	1,182674E+09	1,184760E+09	1,184750E+09	1,182650E+09	1,149806E+09
-2211	1,069060E+09	9,620667E+08	8,834419E+08	8,834457E+08	9,620882E+08	1,069092E+09	1,149831E+09	1,182672E+09	1,184770E+09	1,184777E+09	1,182692E+09	1,149863E+09
-2210	1,069121E+09	9,620954E+08	8,834425E+08	8,834466E+08	9,620971E+08	1,069107E+09	1,149847E+09	1,182675E+09	1,184758E+09	1,184761E+09	1,182669E+09	1,149815E+09
-2209	1,069062E+09	9,620507E+08	8,834067E+08	8,834147E+08	9,620737E+08	1,069097E+09	1,149849E+09	1,182685E+09	1,184760E+09	1,184749E+09	1,182658E+09	1,149822E+09

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°
-2208	1,069083E+09	9,620859E+08	8,834388E+08	8,834258E+08	9,620683E+08	1,069083E+09	1,149834E+09	1,182677E+09	1,184768E+09	1,184770E+09	1,182690E+09	1,149865E+09
-2207	1,069115E+09	9,620804E+08	8,834180E+08	8,834106E+08	9,620601E+08	1,069080E+09	1,149832E+09	1,182674E+09	1,184765E+09	1,184763E+09	1,182653E+09	1,149793E+09
-2206	1,069045E+09	9,620347E+08	8,833917E+08	8,833970E+08	9,620516E+08	1,069072E+09	1,149827E+09	1,182672E+09	1,184763E+09	1,184765E+09	1,182675E+09	1,149833E+09
-2205	1,069093E+09	9,620786E+08	8,834164E+08	8,834142E+08	9,620716E+08	1,069082E+09	1,149818E+09	1,182651E+09	1,184743E+09	1,184761E+09	1,182692E+09	1,149851E+09
-2204	1,069078E+09	9,620406E+08	8,833796E+08	8,833810E+08	9,620493E+08	1,069084E+09	1,149837E+09	1,182666E+09	1,184738E+09	1,184729E+09	1,182643E+09	1,149809E+09
-2203	1,069049E+09	9,620182E+08	8,833702E+08	8,833764E+08	9,620417E+08	1,069075E+09	1,149834E+09	1,182673E+09	1,184753E+09	1,184750E+09	1,182670E+09	1,149849E+09
-2202	1,069113E+09	9,620716E+08	8,833908E+08	8,833845E+08	9,620491E+08	1,069084E+09	1,149843E+09	1,182675E+09	1,184750E+09	1,184748E+09	1,182658E+09	1,149806E+09
-2201	1,069049E+09	9,620255E+08	8,833629E+08	8,833634E+08	9,620333E+08	1,069075E+09	1,149843E+09	1,182684E+09	1,184758E+09	1,184742E+09	1,182645E+09	1,149798E+09
-2200	1,069047E+09	9,620420E+08	8,833964E+08	8,833904E+08	9,620433E+08	1,069066E+09	1,149821E+09	1,182669E+09	1,184765E+09	1,184772E+09	1,182692E+09	1,149861E+09
-2199	1,069103E+09	9,620595E+08	8,833958E+08	8,833978E+08	9,620591E+08	1,069081E+09	1,149827E+09	1,182662E+09	1,184757E+09	1,184766E+09	1,182667E+09	1,149805E+09
-2198	1,069043E+09	9,620191E+08	8,833730E+08	8,833878E+08	9,620547E+08	1,069082E+09	1,149835E+09	1,182672E+09	1,184755E+09	1,184756E+09	1,182672E+09	1,149835E+09
-2197	1,069098E+09	9,620869E+08	8,834282E+08	8,834239E+08	9,620760E+08	1,069085E+09	1,149826E+09	1,182661E+09	1,184749E+09	1,184758E+09	1,182689E+09	1,149863E+09
-2196	1,069110E+09	9,620857E+08	8,834302E+08	8,834234E+08	9,620712E+08	1,069088E+09	1,149838E+09	1,182675E+09	1,184755E+09	1,184741E+09	1,182640E+09	1,149802E+09
-2195	1,069060E+09	9,620606E+08	8,834345E+08	8,834380E+08	9,620760E+08	1,069081E+09	1,149829E+09	1,182677E+09	1,184771E+09	1,184768E+09	1,182671E+09	1,149837E+09
-2194	1,069120E+09	9,621236E+08	8,834761E+08	8,834712E+08	9,621062E+08	1,069100E+09	1,149835E+09	1,182668E+09	1,184762E+09	1,184771E+09	1,182680E+09	1,149823E+09
-2193	1,069072E+09	9,620768E+08	8,834476E+08	8,834550E+08	9,621017E+08	1,069108E+09	1,149847E+09	1,182680E+09	1,184763E+09	1,184754E+09	1,182653E+09	1,149805E+09
-2192	1,069063E+09	9,620765E+08	8,834572E+08	8,834625E+08	9,620990E+08	1,069096E+09	1,149833E+09	1,182674E+09	1,184769E+09	1,184774E+09	1,182690E+09	1,149866E+09
-2191	1,069135E+09	9,621155E+08	8,834619E+08	8,834617E+08	9,621045E+08	1,069106E+09	1,149840E+09	1,182674E+09	1,184766E+09	1,184770E+09	1,182669E+09	1,149812E+09
-2190	1,069067E+09	9,620659E+08	8,834263E+08	8,834285E+08	9,620752E+08	1,069091E+09	1,149845E+09	1,182688E+09	1,184771E+09	1,184758E+09	1,182660E+09	1,149819E+09
-2189	1,069088E+09	9,621014E+08	8,834629E+08	8,834529E+08	9,620815E+08	1,069075E+09	1,149818E+09	1,182667E+09	1,184766E+09	1,184772E+09	1,182690E+09	1,149859E+09
-2188	1,069112E+09	9,620946E+08	8,834474E+08	8,834437E+08	9,620817E+08	1,069083E+09	1,149823E+09	1,182662E+09	1,184756E+09	1,184756E+09	1,182657E+09	1,149803E+09
-2187	1,069050E+09	9,620381E+08	8,834043E+08	8,834169E+08	9,620685E+08	1,069080E+09	1,149823E+09	1,182661E+09	1,184752E+09	1,184758E+09	1,182673E+09	1,149837E+09
-2186	1,069105E+09	9,620950E+08	8,834329E+08	8,834273E+08	9,620795E+08	1,069094E+09	1,149834E+09	1,182657E+09	1,184737E+09	1,184748E+09	1,182678E+09	1,149840E+09
-2185	1,069079E+09	9,620562E+08	8,834016E+08	8,834010E+08	9,620612E+08	1,069092E+09	1,149848E+09	1,182680E+09	1,184748E+09	1,184728E+09	1,182630E+09	1,149794E+09
-2184	1,069049E+09	9,620374E+08	8,833958E+08	8,833975E+08	9,620473E+08	1,069068E+09	1,149828E+09	1,182676E+09	1,184764E+09	1,184757E+09	1,182665E+09	1,149838E+09
-2183	1,069111E+09	9,620879E+08	8,834201E+08	8,834163E+08	9,620675E+08	1,069081E+09	1,149828E+09	1,182668E+09	1,184763E+09	1,184769E+09	1,182670E+09	1,149804E+09
-2182	1,069044E+09	9,620310E+08	8,833824E+08	8,833894E+08	9,620531E+08	1,069082E+09	1,149840E+09	1,182680E+09	1,184762E+09	1,184756E+09	1,182661E+09	1,149808E+09
-2181	1,069053E+09	9,620513E+08	8,834149E+08	8,834177E+08	9,620648E+08	1,069073E+09	1,149818E+09	1,182660E+09	1,184756E+09	1,184768E+09	1,182694E+09	1,149868E+09
-2180	1,069116E+09	9,620817E+08	8,834255E+08	8,834279E+08	9,620792E+08	1,069091E+09	1,149831E+09	1,182662E+09	1,184750E+09	1,184753E+09	1,182664E+09	1,149817E+09
-2179	1,069061E+09	9,620410E+08	8,833969E+08	8,834085E+08	9,620653E+08	1,069083E+09	1,149833E+09	1,182672E+09	1,184757E+09	1,184752E+09	1,182661E+09	1,149828E+09
-2178	1,069109E+09	9,621176E+08	8,834646E+08	8,834500E+08	9,620843E+08	1,069088E+09	1,149832E+09	1,182667E+09	1,184754E+09	1,184758E+09	1,182677E+09	1,149844E+09
-2177	1,069102E+09	9,621023E+08	8,834675E+08	8,834649E+08	9,620966E+08	1,069094E+09	1,149836E+09	1,182678E+09	1,184764E+09	1,184750E+09	1,182640E+09	1,149790E+09
-2176	1,069054E+09	9,620722E+08	8,834593E+08	8,834689E+08	9,620978E+08	1,069085E+09	1,149820E+09	1,182668E+09	1,184770E+09	1,184772E+09	1,182676E+09	1,149839E+09
-2175	1,069121E+09	9,621347E+08	8,834975E+08	8,834978E+08	9,621281E+08	1,069111E+09	1,149830E+09	1,182661E+09	1,184762E+09	1,184777E+09	1,182686E+09	1,149829E+09
-2174	1,069078E+09	9,620858E+08	8,834602E+08	8,834681E+08	9,621106E+08	1,069115E+09	1,149854E+09	1,182687E+09	1,184767E+09	1,184754E+09	1,182653E+09	1,149811E+09
-2173	1,069077E+09	9,620960E+08	8,834770E+08	8,834800E+08	9,621053E+08	1,069092E+09	1,149829E+09	1,182675E+09	1,184771E+09	1,184770E+09	1,182681E+09	1,149859E+09

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												
-2172	1,069141E+09	9,621422E+08	8,834974E+08	8,834905E+08	9,621148E+08	1,069100E+09	1,149832E+09	1,182672E+09	1,184768E+09	1,184767E+09	1,182666E+09	1,149813E+09
-2171	1,069070E+09	9,620789E+08	8,834499E+08	8,834546E+08	9,620896E+08	1,069087E+09	1,149830E+09	1,182677E+09	1,184772E+09	1,184764E+09	1,182662E+09	1,149817E+09
-2170	1,069092E+09	9,621182E+08	8,834878E+08	8,834770E+08	9,620985E+08	1,069085E+09	1,149821E+09	1,182660E+09	1,184758E+09	1,184768E+09	1,182688E+09	1,149855E+09
-2169	1,069107E+09	9,621003E+08	8,834678E+08	8,834719E+08	9,621059E+08	1,069100E+09	1,149832E+09	1,182665E+09	1,184753E+09	1,184751E+09	1,182651E+09	1,149800E+09
-2168	1,069054E+09	9,620501E+08	8,834183E+08	8,834334E+08	9,620810E+08	1,069086E+09	1,149827E+09	1,182665E+09	1,184752E+09	1,184752E+09	1,182665E+09	1,149832E+09
-2167	1,069110E+09	9,621135E+08	8,834540E+08	8,834452E+08	9,620902E+08	1,069097E+09	1,149832E+09	1,182663E+09	1,184752E+09	1,184757E+09	1,182673E+09	1,149829E+09
-2166	1,069075E+09	9,620664E+08	8,834206E+08	8,834178E+08	9,620678E+08	1,069092E+09	1,149850E+09	1,182690E+09	1,184765E+09	1,184743E+09	1,182636E+09	1,149791E+09
-2165	1,069047E+09	9,620467E+08	8,834170E+08	8,834257E+08	9,620637E+08	1,069064E+09	1,149815E+09	1,182669E+09	1,184768E+09	1,184767E+09	1,182674E+09	1,149839E+09
-2164	1,069111E+09	9,621001E+08	8,834450E+08	8,834460E+08	9,620885E+08	1,069086E+09	1,149818E+09	1,182656E+09	1,184754E+09	1,184767E+09	1,182681E+09	1,149823E+09
-2163	1,069054E+09	9,620396E+08	8,833967E+08	8,834083E+08	9,620675E+08	1,069086E+09	1,149833E+09	1,182669E+09	1,184753E+09	1,184751E+09	1,182662E+09	1,149819E+09
-2162	1,069075E+09	9,620800E+08	8,834415E+08	8,834353E+08	9,620725E+08	1,069079E+09	1,149826E+09	1,182660E+09	1,184747E+09	1,184753E+09	1,182680E+09	1,149861E+09
-2161	1,069123E+09	9,621079E+08	8,834608E+08	8,834587E+08	9,620950E+08	1,069095E+09	1,149834E+09	1,182669E+09	1,184754E+09	1,184747E+09	1,182646E+09	1,149801E+09
-2160	1,069065E+09	9,620692E+08	8,834343E+08	8,834422E+08	9,620810E+08	1,069081E+09	1,149824E+09	1,182670E+09	1,184762E+09	1,184754E+09	1,182652E+09	1,149814E+09
-2159	1,069106E+09	9,621377E+08	8,835011E+08	8,834901E+08	9,621122E+08	1,069093E+09	1,149820E+09	1,182661E+09	1,184765E+09	1,184771E+09	1,182679E+09	1,149835E+09
-2158	1,069093E+09	9,621080E+08	8,834891E+08	8,834941E+08	9,621229E+08	1,069111E+09	1,149843E+09	1,182681E+09	1,184771E+09	1,184761E+09	1,182649E+09	1,149795E+09
-2157	1,069057E+09	9,620788E+08	8,834762E+08	8,834956E+08	9,621197E+08	1,069095E+09	1,149824E+09	1,182668E+09	1,184769E+09	1,184771E+09	1,182677E+09	1,149844E+09
-2156	1,069129E+09	9,621511E+08	8,835203E+08	8,835211E+08	9,621440E+08	1,069118E+09	1,149835E+09	1,182666E+09	1,184762E+09	1,184771E+09	1,182685E+09	1,149840E+09
-2155	1,069092E+09	9,621039E+08	8,834794E+08	8,834817E+08	9,621135E+08	1,069109E+09	1,149849E+09	1,182689E+09	1,184776E+09	1,184760E+09	1,182651E+09	1,149809E+09
-2154	1,069088E+09	9,621235E+08	8,835090E+08	8,834994E+08	9,621069E+08	1,069086E+09	1,149826E+09	1,182674E+09	1,184775E+09	1,184774E+09	1,182677E+09	1,149848E+09
-2153	1,069135E+09	9,621557E+08	8,835289E+08	8,835252E+08	9,621360E+08	1,069101E+09	1,149822E+09	1,182666E+09	1,184771E+09	1,184774E+09	1,182668E+09	1,149808E+09
-2152	1,069069E+09	9,620910E+08	8,834700E+08	8,834794E+08	9,621092E+08	1,069091E+09	1,149818E+09	1,182660E+09	1,184761E+09	1,184761E+09	1,182663E+09	1,149819E+09
-2151	1,069095E+09	9,621289E+08	8,835056E+08	8,834994E+08	9,621195E+08	1,069097E+09	1,149818E+09	1,182652E+09	1,184754E+09	1,184764E+09	1,182683E+09	1,149855E+09
-2150	1,069112E+09	9,621090E+08	8,834792E+08	8,834844E+08	9,621180E+08	1,069111E+09	1,149844E+09	1,182675E+09	1,184757E+09	1,184747E+09	1,182644E+09	1,149798E+09
-2149	1,069060E+09	9,620640E+08	8,834359E+08	8,834504E+08	9,620883E+08	1,069084E+09	1,149827E+09	1,182670E+09	1,184758E+09	1,184750E+09	1,182654E+09	1,149822E+09
-2148	1,069107E+09	9,621297E+08	8,834834E+08	8,834726E+08	9,621035E+08	1,069096E+09	1,149828E+09	1,182665E+09	1,184758E+09	1,184761E+09	1,182676E+09	1,149831E+09
-2147	1,069074E+09	9,620747E+08	8,834387E+08	8,834384E+08	9,620801E+08	1,069089E+09	1,149838E+09	1,182683E+09	1,184771E+09	1,184756E+09	1,182645E+09	1,149794E+09
-2146	1,069051E+09	9,620621E+08	8,834390E+08	8,834434E+08	9,620759E+08	1,069073E+09	1,149817E+09	1,182662E+09	1,184762E+09	1,184766E+09	1,182676E+09	1,149842E+09
-2145	1,069113E+09	9,621117E+08	8,834691E+08	8,834737E+08	9,621094E+08	1,069097E+09	1,149823E+09	1,182656E+09	1,184752E+09	1,184762E+09	1,182675E+09	1,149825E+09
-2144	1,069070E+09	9,620634E+08	8,834192E+08	8,834285E+08	9,620796E+08	1,069087E+09	1,149829E+09	1,182665E+09	1,184751E+09	1,184744E+09	1,182651E+09	1,149815E+09
-2143	1,069087E+09	9,621098E+08	8,834766E+08	8,834639E+08	9,620879E+08	1,069080E+09	1,149818E+09	1,182661E+09	1,184758E+09	1,184756E+09	1,182669E+09	1,149848E+09
-2142	1,069121E+09	9,621263E+08	8,834941E+08	8,834908E+08	9,621125E+08	1,069098E+09	1,149833E+09	1,182675E+09	1,184767E+09	1,184758E+09	1,182647E+09	1,149792E+09
-2141	1,069060E+09	9,620807E+08	8,834654E+08	8,834818E+08	9,621071E+08	1,069083E+09	1,149815E+09	1,182663E+09	1,184765E+09	1,184762E+09	1,182656E+09	1,149811E+09
-2140	1,069099E+09	9,621474E+08	8,835297E+08	8,835258E+08	9,621419E+08	1,069108E+09	1,149820E+09	1,182654E+09	1,184759E+09	1,184772E+09	1,182688E+09	1,149848E+09
-2139	1,069099E+09	9,621158E+08	8,835031E+08	8,835115E+08	9,621379E+08	1,069119E+09	1,149845E+09	1,182679E+09	1,184771E+09	1,184763E+09	1,182652E+09	1,149804E+09
-2138	1,069075E+09	9,621044E+08	8,834994E+08	8,835078E+08	9,621250E+08	1,069102E+09	1,149833E+09	1,182673E+09	1,184769E+09	1,184765E+09	1,182668E+09	1,149840E+09
-2137	1,069136E+09	9,621737E+08	8,835525E+08	8,835474E+08	9,621552E+08	1,069117E+09	1,149834E+09	1,182672E+09	1,184772E+09	1,184773E+09	1,182675E+09	1,149831E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2136	1,069099E+09	9,621288E+08	8,835115E+08	8,835100E+08	9,621249E+08	1,069101E+09	1,149832E+09	1,182680E+09	1,184778E+09	1,184766E+09	1,182650E+09	1,149804E+09
-2135	1,069090E+09	9,621422E+08	8,835416E+08	8,835340E+08	9,621307E+08	1,069088E+09	1,149809E+09	1,182661E+09	1,184777E+09	1,184781E+09	1,182680E+09	1,149845E+09
-2134	1,069129E+09	9,621595E+08	8,835463E+08	8,835490E+08	9,621587E+08	1,069117E+09	1,149828E+09	1,182663E+09	1,184768E+09	1,184775E+09	1,182672E+09	1,149813E+09
-2133	1,069072E+09	9,620964E+08	8,834857E+08	8,835025E+08	9,621288E+08	1,069102E+09	1,149824E+09	1,182660E+09	1,184755E+09	1,184753E+09	1,182655E+09	1,149818E+09
-2132	1,069100E+09	9,621412E+08	8,835233E+08	8,835166E+08	9,621338E+08	1,069108E+09	1,149826E+09	1,182659E+09	1,184753E+09	1,184755E+09	1,182674E+09	1,149854E+09
-2131	1,069117E+09	9,621209E+08	8,834933E+08	8,834928E+08	9,621191E+08	1,069108E+09	1,149844E+09	1,182682E+09	1,184770E+09	1,184755E+09	1,182640E+09	1,149791E+09
-2130	1,069064E+09	9,620834E+08	8,834615E+08	8,834649E+08	9,620904E+08	1,069081E+09	1,149825E+09	1,182672E+09	1,184767E+09	1,184759E+09	1,182654E+09	1,149813E+09
-2129	1,069098E+09	9,621344E+08	8,835071E+08	8,835006E+08	9,621214E+08	1,069096E+09	1,149819E+09	1,182660E+09	1,184763E+09	1,184771E+09	1,182680E+09	1,149833E+09
-2128	1,069079E+09	9,620858E+08	8,834561E+08	8,834582E+08	9,620942E+08	1,069090E+09	1,149825E+09	1,182665E+09	1,184762E+09	1,184757E+09	1,182651E+09	1,149803E+09
-2127	1,069064E+09	9,620805E+08	8,834631E+08	8,834661E+08	9,620913E+08	1,069076E+09	1,149808E+09	1,182653E+09	1,184757E+09	1,184761E+09	1,182670E+09	1,149844E+09
-2126	1,069124E+09	9,621307E+08	8,834923E+08	8,834927E+08	9,621216E+08	1,069103E+09	1,149827E+09	1,182661E+09	1,184754E+09	1,184758E+09	1,182666E+09	1,149820E+09
-2125	1,069079E+09	9,620873E+08	8,834550E+08	8,834613E+08	9,620952E+08	1,069086E+09	1,149823E+09	1,182664E+09	1,184753E+09	1,184740E+09	1,182637E+09	1,149801E+09
-2124	1,069084E+09	9,621304E+08	8,835163E+08	8,835054E+08	9,621151E+08	1,069087E+09	1,149814E+09	1,182658E+09	1,184759E+09	1,184758E+09	1,182667E+09	1,149843E+09
-2123	1,069117E+09	9,621360E+08	8,835197E+08	8,835223E+08	9,621381E+08	1,069108E+09	1,149830E+09	1,182672E+09	1,184773E+09	1,184770E+09	1,182654E+09	1,149794E+09
-2122	1,069063E+09	9,620950E+08	8,834909E+08	8,835047E+08	9,621273E+08	1,069103E+09	1,149827E+09	1,182665E+09	1,184764E+09	1,184763E+09	1,182659E+09	1,149813E+09
-2121	1,069100E+09	9,621543E+08	8,835521E+08	8,835534E+08	9,621644E+08	1,069123E+09	1,149831E+09	1,182664E+09	1,184766E+09	1,184773E+09	1,182685E+09	1,149851E+09
-2120	1,069117E+09	9,621385E+08	8,835239E+08	8,835273E+08	9,621456E+08	1,069119E+09	1,149841E+09	1,182680E+09	1,184777E+09	1,184766E+09	1,182649E+09	1,149803E+09
-2119	1,069088E+09	9,621326E+08	8,835331E+08	8,835320E+08	9,621330E+08	1,069094E+09	1,149821E+09	1,182673E+09	1,184783E+09	1,184775E+09	1,182665E+09	1,149833E+09
-2118	1,069138E+09	9,621911E+08	8,835829E+08	8,835754E+08	9,621682E+08	1,069114E+09	1,149826E+09	1,182671E+09	1,184781E+09	1,184785E+09	1,182681E+09	1,149830E+09
-2117	1,069100E+09	9,621394E+08	8,835397E+08	8,835442E+08	9,621460E+08	1,069100E+09	1,149816E+09	1,182663E+09	1,184770E+09	1,184765E+09	1,182651E+09	1,149804E+09
-2116	1,069090E+09	9,621515E+08	8,835652E+08	8,835634E+08	9,621567E+08	1,069103E+09	1,149809E+09	1,182648E+09	1,184759E+09	1,184770E+09	1,182680E+09	1,149852E+09
-2115	1,069138E+09	9,621678E+08	8,835576E+08	8,835611E+08	9,621693E+08	1,069126E+09	1,149833E+09	1,182662E+09	1,184762E+09	1,184767E+09	1,182664E+09	1,149812E+09
-2114	1,069084E+09	9,621170E+08	8,835050E+08	8,835093E+08	9,621314E+08	1,069111E+09	1,149836E+09	1,182668E+09	1,184756E+09	1,184744E+09	1,182640E+09	1,149805E+09
-2113	1,069097E+09	9,621529E+08	8,835493E+08	8,835395E+08	9,621444E+08	1,069109E+09	1,149829E+09	1,182670E+09	1,184767E+09	1,184761E+09	1,182662E+09	1,149838E+09
-2112	1,069118E+09	9,621356E+08	8,835159E+08	8,835137E+08	9,621272E+08	1,069101E+09	1,149829E+09	1,182676E+09	1,184778E+09	1,184768E+09	1,182644E+09	1,149786E+09
-2111	1,069063E+09	9,620958E+08	8,834865E+08	8,834916E+08	9,621078E+08	1,069080E+09	1,149810E+09	1,182662E+09	1,184772E+09	1,184770E+09	1,182662E+09	1,149815E+09
-2110	1,069098E+09	9,621388E+08	8,835231E+08	8,835206E+08	9,621375E+08	1,069105E+09	1,149821E+09	1,182658E+09	1,184762E+09	1,184775E+09	1,182688E+09	1,149842E+09
-2109	1,069089E+09	9,620961E+08	8,834774E+08	8,834834E+08	9,621099E+08	1,069094E+09	1,149822E+09	1,182659E+09	1,184753E+09	1,184748E+09	1,182645E+09	1,149805E+09
-2108	1,069076E+09	9,621025E+08	8,834922E+08	8,834926E+08	9,621098E+08	1,069086E+09	1,149812E+09	1,182651E+09	1,184750E+09	1,184752E+09	1,182662E+09	1,149840E+09
-2107	1,069131E+09	9,621515E+08	8,835204E+08	8,835146E+08	9,621316E+08	1,069104E+09	1,149826E+09	1,182664E+09	1,184763E+09	1,184764E+09	1,182661E+09	1,149810E+09
-2106	1,069081E+09	9,621102E+08	8,834908E+08	8,834902E+08	9,621129E+08	1,069094E+09	1,149824E+09	1,182664E+09	1,184758E+09	1,184747E+09	1,182635E+09	1,149790E+09
-2105	1,069075E+09	9,621352E+08	8,835452E+08	8,835435E+08	9,621458E+08	1,069101E+09	1,149815E+09	1,182659E+09	1,184766E+09	1,184767E+09	1,182667E+09	1,149840E+09
-2104	1,069122E+09	9,621468E+08	8,835387E+08	8,835457E+08	9,621575E+08	1,069117E+09	1,149828E+09	1,182664E+09	1,184770E+09	1,184774E+09	1,182661E+09	1,149803E+09
-2103	1,069077E+09	9,621147E+08	8,835162E+08	8,835272E+08	9,621406E+08	1,069105E+09	1,149825E+09	1,182668E+09	1,184770E+09	1,184763E+09	1,182657E+09	1,149816E+09
-2102	1,069112E+09	9,621729E+08	8,835746E+08	8,835700E+08	9,621704E+08	1,069124E+09	1,149835E+09	1,182673E+09	1,184776E+09	1,184777E+09	1,182682E+09	1,149849E+09
-2101	1,069127E+09	9,621627E+08	8,835611E+08	8,835593E+08	9,621551E+08	1,069110E+09	1,149829E+09	1,182675E+09	1,184779E+09	1,184769E+09	1,182645E+09	1,149796E+09

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2100	1,069092E+09	9,621555E+08	8,835715E+08	8,835702E+08	9,621558E+08	1,069097E+09	1,149809E+09	1,182659E+09	1,184774E+09	1,184776E+09	1,182668E+09	1,149830E+09
-2099	1,069137E+09	9,622020E+08	8,836062E+08	8,836017E+08	9,621884E+08	1,069121E+09	1,149819E+09	1,182660E+09	1,184777E+09	1,184789E+09	1,182685E+09	1,149831E+09
-2098	1,069104E+09	9,621540E+08	8,835635E+08	8,835660E+08	9,621661E+08	1,069119E+09	1,149826E+09	1,182660E+09	1,184761E+09	1,184756E+09	1,182645E+09	1,149801E+09
-2097	1,069089E+09	9,621559E+08	8,835826E+08	8,835872E+08	9,621774E+08	1,069118E+09	1,149822E+09	1,182659E+09	1,184763E+09	1,184764E+09	1,182664E+09	1,149843E+09
-2096	1,069148E+09	9,621841E+08	8,835727E+08	8,835723E+08	9,621745E+08	1,069127E+09	1,149834E+09	1,182668E+09	1,184769E+09	1,184770E+09	1,182658E+09	1,149804E+09
-2095	1,069088E+09	9,621362E+08	8,835321E+08	8,835286E+08	9,621340E+08	1,069101E+09	1,149828E+09	1,182675E+09	1,184774E+09	1,184757E+09	1,182639E+09	1,149794E+09
-2094	1,069090E+09	9,621571E+08	8,835676E+08	8,835598E+08	9,621532E+08	1,069105E+09	1,149823E+09	1,182671E+09	1,184780E+09	1,184779E+09	1,182675E+09	1,149839E+09
-2093	1,069114E+09	9,621392E+08	8,835365E+08	8,835404E+08	9,621426E+08	1,069098E+09	1,149813E+09	1,182658E+09	1,184771E+09	1,184773E+09	1,182655E+09	1,149794E+09
-2092	1,069069E+09	9,621052E+08	8,835057E+08	8,835156E+08	9,621282E+08	1,069091E+09	1,149806E+09	1,182645E+09	1,184751E+09	1,184761E+09	1,182667E+09	1,149827E+09
-2091	1,069114E+09	9,621534E+08	8,835378E+08	8,835336E+08	9,621456E+08	1,069109E+09	1,149821E+09	1,182654E+09	1,184755E+09	1,184767E+09	1,182683E+09	1,149845E+09
-2090	1,069107E+09	9,621252E+08	8,835066E+08	8,835008E+08	9,621190E+08	1,069102E+09	1,149828E+09	1,182661E+09	1,184749E+09	1,184736E+09	1,182628E+09	1,149791E+09
-2089	1,069076E+09	9,621210E+08	8,835287E+08	8,835287E+08	9,621305E+08	1,069092E+09	1,149815E+09	1,182660E+09	1,184760E+09	1,184753E+09	1,182646E+09	1,149821E+09
-2088	1,069133E+09	9,621702E+08	8,835508E+08	8,835467E+08	9,621516E+08	1,069108E+09	1,149819E+09	1,182659E+09	1,184768E+09	1,184774E+09	1,182663E+09	1,149803E+09
-2087	1,069079E+09	9,621238E+08	8,835212E+08	8,835240E+08	9,621365E+08	1,069102E+09	1,149822E+09	1,182666E+09	1,184768E+09	1,184757E+09	1,182642E+09	1,149790E+09
-2086	1,069073E+09	9,621387E+08	8,835624E+08	8,835672E+08	9,621659E+08	1,069116E+09	1,149826E+09	1,182667E+09	1,184774E+09	1,184776E+09	1,182677E+09	1,149847E+09
-2085	1,069131E+09	9,621592E+08	8,835612E+08	8,835698E+08	9,621696E+08	1,069119E+09	1,149826E+09	1,182664E+09	1,184771E+09	1,184773E+09	1,182660E+09	1,149806E+09
-2084	1,069091E+09	9,621401E+08	8,835467E+08	8,835523E+08	9,621535E+08	1,069107E+09	1,149823E+09	1,182665E+09	1,184767E+09	1,184763E+09	1,182656E+09	1,149816E+09
-2083	1,069123E+09	9,621980E+08	8,836068E+08	8,835938E+08	9,621747E+08	1,069114E+09	1,149824E+09	1,182671E+09	1,184783E+09	1,184787E+09	1,182684E+09	1,149845E+09
-2082	1,069133E+09	9,621871E+08	8,835975E+08	8,835907E+08	9,621729E+08	1,069112E+09	1,149818E+09	1,182663E+09	1,184775E+09	1,184770E+09	1,182645E+09	1,149790E+09
-2081	1,069087E+09	9,621642E+08	8,836013E+08	8,836092E+08	9,621876E+08	1,069111E+09	1,149807E+09	1,182651E+09	1,184769E+09	1,184773E+09	1,182662E+09	1,149827E+09
-2080	1,069145E+09	9,622145E+08	8,836237E+08	8,836227E+08	9,622065E+08	1,069132E+09	1,149819E+09	1,182651E+09	1,184766E+09	1,184781E+09	1,182682E+09	1,149832E+09
-2079	1,069114E+09	9,621715E+08	8,835856E+08	8,835863E+08	9,621780E+08	1,069123E+09	1,149830E+09	1,182668E+09	1,184765E+09	1,184749E+09	1,182634E+09	1,149793E+09
-2078	1,069092E+09	9,621666E+08	8,835986E+08	8,836017E+08	9,621842E+08	1,069122E+09	1,149830E+09	1,182674E+09	1,184778E+09	1,184769E+09	1,182659E+09	1,149832E+09
-2077	1,069144E+09	9,621957E+08	8,835992E+08	8,835979E+08	9,621818E+08	1,069119E+09	1,149824E+09	1,182666E+09	1,184776E+09	1,184777E+09	1,182659E+09	1,149797E+09
-2076	1,069086E+09	9,621479E+08	8,835573E+08	8,835575E+08	9,621527E+08	1,069104E+09	1,149819E+09	1,182664E+09	1,184769E+09	1,184765E+09	1,182652E+09	1,149798E+09
-2075	1,069090E+09	9,621633E+08	8,835810E+08	8,835758E+08	9,621637E+08	1,069108E+09	1,149818E+09	1,182663E+09	1,184777E+09	1,184786E+09	1,182687E+09	1,149849E+09
-2074	1,069124E+09	9,621540E+08	8,835542E+08	8,835562E+08	9,621570E+08	1,069111E+09	1,149818E+09	1,182653E+09	1,184760E+09	1,184763E+09	1,182652E+09	1,149798E+09
-2073	1,069078E+09	9,621182E+08	8,835261E+08	8,835397E+08	9,621475E+08	1,069103E+09	1,149814E+09	1,182651E+09	1,184751E+09	1,184750E+09	1,182649E+09	1,149819E+09
-2072	1,069128E+09	9,621779E+08	8,835609E+08	8,835510E+08	9,621531E+08	1,069110E+09	1,149820E+09	1,182655E+09	1,184758E+09	1,184765E+09	1,182673E+09	1,149835E+09
-2071	1,069112E+09	9,621511E+08	8,835441E+08	8,835331E+08	9,621306E+08	1,069096E+09	1,149823E+09	1,182669E+09	1,184764E+09	1,184744E+09	1,182624E+09	1,149778E+09
-2070	1,069068E+09	9,621268E+08	8,835521E+08	8,835591E+08	9,621504E+08	1,069097E+09	1,149814E+09	1,182664E+09	1,184774E+09	1,184769E+09	1,182655E+09	1,149816E+09
-2069	1,069123E+09	9,621747E+08	8,835761E+08	8,835797E+08	9,621735E+08	1,069113E+09	1,149812E+09	1,182649E+09	1,184765E+09	1,184779E+09	1,182672E+09	1,149810E+09
-2068	1,069085E+09	9,621366E+08	8,835436E+08	8,835505E+08	9,621568E+08	1,069113E+09	1,149823E+09	1,182657E+09	1,184756E+09	1,184754E+09	1,182648E+09	1,149798E+09
-2067	1,069087E+09	9,621563E+08	8,835791E+08	8,835799E+08	9,621698E+08	1,069116E+09	1,149827E+09	1,182670E+09	1,184777E+09	1,184777E+09	1,182676E+09	1,149850E+09
-2066	1,069148E+09	9,621912E+08	8,835939E+08	8,835914E+08	9,621791E+08	1,069120E+09	1,149823E+09	1,182663E+09	1,184772E+09	1,184769E+09	1,182650E+09	1,149798E+09
-2065	1,069096E+09	9,621636E+08	8,835866E+08	8,835927E+08	9,621755E+08	1,069109E+09	1,149816E+09	1,182664E+09	1,184773E+09	1,184764E+09	1,182644E+09	1,149804E+09

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2064	1,069129E+09	9,622197E+08	8,836391E+08	8,836287E+08	9,621970E+08	1,069116E+09	1,149810E+09	1,182656E+09	1,184779E+09	1,184791E+09	1,182687E+09	1,149843E+09
-2063	1,069134E+09	9,622046E+08	8,836308E+08	8,836276E+08	9,621978E+08	1,069120E+09	1,149816E+09	1,182661E+09	1,184774E+09	1,184768E+09	1,182644E+09	1,149789E+09
-2062	1,069085E+09	9,621679E+08	8,836171E+08	8,836336E+08	9,622097E+08	1,069129E+09	1,149821E+09	1,182661E+09	1,184773E+09	1,184773E+09	1,182661E+09	1,149824E+09
-2061	1,069145E+09	9,622247E+08	8,836436E+08	8,836439E+08	9,622195E+08	1,069138E+09	1,149823E+09	1,182656E+09	1,184768E+09	1,184777E+09	1,182674E+09	1,149828E+09
-2060	1,069120E+09	9,621900E+08	8,836082E+08	8,836051E+08	9,621884E+08	1,069128E+09	1,149834E+09	1,182671E+09	1,184769E+09	1,184754E+09	1,182633E+09	1,149787E+09
-2059	1,069093E+09	9,621794E+08	8,836161E+08	8,836156E+08	9,621848E+08	1,069113E+09	1,149824E+09	1,182678E+09	1,184792E+09	1,184785E+09	1,182668E+09	1,149831E+09
-2058	1,069145E+09	9,622087E+08	8,836195E+08	8,836184E+08	9,621956E+08	1,069119E+09	1,149812E+09	1,182656E+09	1,184775E+09	1,184782E+09	1,182666E+09	1,149801E+09
-2057	1,069084E+09	9,621535E+08	8,835761E+08	8,835843E+08	9,621748E+08	1,069112E+09	1,149815E+09	1,182655E+09	1,184763E+09	1,184761E+09	1,182650E+09	1,149804E+09
-2056	1,069105E+09	9,621790E+08	8,835953E+08	8,835897E+08	9,621723E+08	1,069109E+09	1,149812E+09	1,182651E+09	1,184764E+09	1,184777E+09	1,182686E+09	1,149855E+09
-2055	1,069140E+09	9,621788E+08	8,835800E+08	8,835763E+08	9,621634E+08	1,069108E+09	1,149818E+09	1,182659E+09	1,184760E+09	1,184752E+09	1,182637E+09	1,149790E+09
-2054	1,069083E+09	9,621370E+08	8,835515E+08	8,835626E+08	9,621589E+08	1,069106E+09	1,149819E+09	1,182663E+09	1,184763E+09	1,184753E+09	1,182639E+09	1,149803E+09
-2053	1,069121E+09	9,621944E+08	8,835957E+08	8,835850E+08	9,621683E+08	1,069106E+09	1,149809E+09	1,182651E+09	1,184762E+09	1,184768E+09	1,182667E+09	1,149823E+09
-2052	1,069107E+09	9,621638E+08	8,835731E+08	8,835696E+08	9,621593E+08	1,069107E+09	1,149819E+09	1,182659E+09	1,184761E+09	1,184752E+09	1,182633E+09	1,149777E+09
-2051	1,069064E+09	9,621329E+08	8,835679E+08	8,835811E+08	9,621678E+08	1,069106E+09	1,149816E+09	1,182664E+09	1,184778E+09	1,184779E+09	1,182667E+09	1,149825E+09
-2050	1,069129E+09	9,621868E+08	8,835936E+08	8,835999E+08	9,621923E+08	1,069127E+09	1,149817E+09	1,182649E+09	1,184762E+09	1,184774E+09	1,182672E+09	1,149816E+09
-2049	1,069096E+09	9,621538E+08	8,835681E+08	8,835771E+08	9,621757E+08	1,069123E+09	1,149829E+09	1,182664E+09	1,184762E+09	1,184751E+09	1,182637E+09	1,149797E+09
-2048	1,069106E+09	9,621868E+08	8,836089E+08	8,836003E+08	9,621745E+08	1,069109E+09	1,149817E+09	1,182666E+09	1,184781E+09	1,184781E+09	1,182675E+09	1,149847E+09
-2047	1,069156E+09	9,622218E+08	8,836370E+08	8,836283E+08	9,621916E+08	1,069110E+09	1,149812E+09	1,182665E+09	1,184781E+09	1,184775E+09	1,182649E+09	1,149791E+09
-2046	1,069093E+09	9,621764E+08	8,836163E+08	8,836297E+08	9,622024E+08	1,069117E+09	1,149811E+09	1,182660E+09	1,184778E+09	1,184772E+09	1,182649E+09	1,149802E+09
-2045	1,069124E+09	9,622289E+08	8,836673E+08	8,836633E+08	9,622228E+08	1,069125E+09	1,149804E+09	1,182643E+09	1,184768E+09	1,184784E+09	1,182686E+09	1,149847E+09
-2044	1,069142E+09	9,622189E+08	8,836530E+08	8,836551E+08	9,622224E+08	1,069137E+09	1,149824E+09	1,182655E+09	1,184761E+09	1,184760E+09	1,182642E+09	1,149790E+09
-2043	1,069095E+09	9,621835E+08	8,836312E+08	8,836444E+08	9,622145E+08	1,069132E+09	1,149829E+09	1,182672E+09	1,184782E+09	1,184774E+09	1,182656E+09	1,149820E+09
-2042	1,069150E+09	9,622458E+08	8,836677E+08	8,836614E+08	9,622287E+08	1,069141E+09	1,149824E+09	1,182661E+09	1,184776E+09	1,184778E+09	1,182666E+09	1,149819E+09
-2041	1,069118E+09	9,622041E+08	8,836364E+08	8,836352E+08	9,622056E+08	1,069129E+09	1,149829E+09	1,182674E+09	1,184781E+09	1,184762E+09	1,182628E+09	1,149781E+09
-2040	1,069096E+09	9,621923E+08	8,836349E+08	8,836351E+08	9,621964E+08	1,069110E+09	1,149810E+09	1,182666E+09	1,184792E+09	1,184795E+09	1,182679E+09	1,149838E+09
-2039	1,069149E+09	9,622234E+08	8,836432E+08	8,836424E+08	9,622085E+08	1,069119E+09	1,149809E+09	1,182655E+09	1,184774E+09	1,184781E+09	1,182668E+09	1,149807E+09
-2038	1,069090E+09	9,621600E+08	8,835882E+08	8,836016E+08	9,621896E+08	1,069121E+09	1,149820E+09	1,182659E+09	1,184764E+09	1,184757E+09	1,182645E+09	1,149803E+09
-2037	1,069109E+09	9,621947E+08	8,836184E+08	8,836097E+08	9,621827E+08	1,069110E+09	1,149808E+09	1,182648E+09	1,184760E+09	1,184767E+09	1,182673E+09	1,149849E+09
-2036	1,069147E+09	9,622023E+08	8,836104E+08	8,836024E+08	9,621775E+08	1,069111E+09	1,149815E+09	1,182654E+09	1,184759E+09	1,184753E+09	1,182632E+09	1,149778E+09
-2035	1,069079E+09	9,621499E+08	8,835741E+08	8,835848E+08	9,621683E+08	1,069103E+09	1,149814E+09	1,182665E+09	1,184775E+09	1,184767E+09	1,182645E+09	1,149797E+09
-2034	1,069113E+09	9,622024E+08	8,836173E+08	8,836134E+08	9,621946E+08	1,069117E+09	1,149803E+09	1,182643E+09	1,184762E+09	1,184772E+09	1,182671E+09	1,149823E+09
-2033	1,069104E+09	9,621688E+08	8,835921E+08	8,835981E+08	9,621865E+08	1,069123E+09	1,149822E+09	1,182657E+09	1,184760E+09	1,184751E+09	1,182630E+09	1,149784E+09
-2032	1,069080E+09	9,621489E+08	8,835822E+08	8,835943E+08	9,621766E+08	1,069109E+09	1,149814E+09	1,182660E+09	1,184773E+09	1,184776E+09	1,182668E+09	1,149835E+09
-2031	1,069147E+09	9,622154E+08	8,836240E+08	8,836217E+08	9,621970E+08	1,069120E+09	1,149816E+09	1,182659E+09	1,184767E+09	1,184769E+09	1,182662E+09	1,149813E+09
-2030	1,069104E+09	9,621772E+08	8,836008E+08	8,836059E+08	9,621886E+08	1,069121E+09	1,149826E+09	1,182670E+09	1,184774E+09	1,184758E+09	1,182631E+09	1,149786E+09
-2029	1,069104E+09	9,622106E+08	8,836518E+08	8,836406E+08	9,621946E+08	1,069104E+09	1,149801E+09	1,182654E+09	1,184779E+09	1,184784E+09	1,182673E+09	1,149842E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2028	1,069158E+09	9,622419E+08	8,836732E+08	8,836698E+08	9,622243E+08	1,069124E+09	1,149806E+09	1,182648E+09	1,184772E+09	1,184779E+09	1,182654E+09	1,149790E+09
-2027	1,069093E+09	9,621880E+08	8,836381E+08	8,836554E+08	9,622240E+08	1,069131E+09	1,149818E+09	1,182662E+09	1,184779E+09	1,184776E+09	1,182653E+09	1,149806E+09
-2026	1,069128E+09	9,622412E+08	8,836860E+08	8,836867E+08	9,622471E+08	1,069143E+09	1,149814E+09	1,182648E+09	1,184767E+09	1,184776E+09	1,182675E+09	1,149844E+09
-2025	1,069149E+09	9,622350E+08	8,836755E+08	8,836786E+08	9,622414E+08	1,069149E+09	1,149835E+09	1,182669E+09	1,184774E+09	1,184759E+09	1,182627E+09	1,149784E+09
-2024	1,069106E+09	9,622059E+08	8,836545E+08	8,836585E+08	9,622156E+08	1,069124E+09	1,149823E+09	1,182676E+09	1,184794E+09	1,184786E+09	1,182659E+09	1,149817E+09
-2023	1,069150E+09	9,622634E+08	8,836984E+08	8,836876E+08	9,622339E+08	1,069127E+09	1,149813E+09	1,182665E+09	1,184787E+09	1,184789E+09	1,182671E+09	1,149817E+09
-2022	1,069113E+09	9,622087E+08	8,836553E+08	8,836604E+08	9,622239E+08	1,069131E+09	1,149820E+09	1,182667E+09	1,184786E+09	1,184775E+09	1,182640E+09	1,149785E+09
-2021	1,069095E+09	9,622012E+08	8,836562E+08	8,836563E+08	9,622099E+08	1,069110E+09	1,149796E+09	1,182645E+09	1,184775E+09	1,184787E+09	1,182679E+09	1,149847E+09
-2020	1,069162E+09	9,622392E+08	8,836623E+08	8,836615E+08	9,622240E+08	1,069127E+09	1,149807E+09	1,182641E+09	1,184758E+09	1,184770E+09	1,182661E+09	1,149807E+09
-2019	1,069101E+09	9,621794E+08	8,836066E+08	8,836141E+08	9,621948E+08	1,069122E+09	1,149822E+09	1,182663E+09	1,184767E+09	1,184753E+09	1,182635E+09	1,149796E+09
-2018	1,069112E+09	9,622133E+08	8,836442E+08	8,836340E+08	9,621997E+08	1,069115E+09	1,149805E+09	1,182648E+09	1,184762E+09	1,184762E+09	1,182657E+09	1,149834E+09
-2017	1,069141E+09	9,622140E+08	8,836397E+08	8,836376E+08	9,622049E+08	1,069122E+09	1,149816E+09	1,182657E+09	1,184766E+09	1,184756E+09	1,182624E+09	1,149770E+09
-2016	1,069078E+09	9,621599E+08	8,835932E+08	8,836058E+08	9,621850E+08	1,069109E+09	1,149810E+09	1,182659E+09	1,184777E+09	1,184776E+09	1,182655E+09	1,149802E+09
-2015	1,069113E+09	9,622117E+08	8,836394E+08	8,836365E+08	9,622082E+08	1,069122E+09	1,149810E+09	1,182651E+09	1,184766E+09	1,184773E+09	1,182673E+09	1,149829E+09
-2014	1,069109E+09	9,621770E+08	8,836069E+08	8,836166E+08	9,622022E+08	1,069133E+09	1,149830E+09	1,182667E+09	1,184771E+09	1,184757E+09	1,182630E+09	1,149784E+09
-2013	1,069087E+09	9,621717E+08	8,836115E+08	8,836144E+08	9,621839E+08	1,069105E+09	1,149806E+09	1,182657E+09	1,184775E+09	1,184774E+09	1,182661E+09	1,149833E+09
-2012	1,069160E+09	9,622452E+08	8,836626E+08	8,836529E+08	9,622112E+08	1,069118E+09	1,149807E+09	1,182650E+09	1,184770E+09	1,184777E+09	1,182662E+09	1,149807E+09
-2011	1,069107E+09	9,621982E+08	8,836347E+08	8,836379E+08	9,622043E+08	1,069117E+09	1,149815E+09	1,182666E+09	1,184782E+09	1,184770E+09	1,182638E+09	1,149785E+09
-2010	1,069103E+09	9,622246E+08	8,836812E+08	8,836785E+08	9,622288E+08	1,069119E+09	1,149793E+09	1,182640E+09	1,184771E+09	1,184781E+09	1,182672E+09	1,149842E+09
-2009	1,069160E+09	9,622543E+08	8,837002E+08	8,837046E+08	9,622571E+08	1,069145E+09	1,149814E+09	1,182646E+09	1,184766E+09	1,184770E+09	1,182644E+09	1,149792E+09
-2008	1,069106E+09	9,622059E+08	8,836573E+08	8,836713E+08	9,622353E+08	1,069138E+09	1,149823E+09	1,182664E+09	1,184779E+09	1,184773E+09	1,182650E+09	1,149807E+09
-2007	1,069138E+09	9,622644E+08	8,837163E+08	8,837085E+08	9,622524E+08	1,069141E+09	1,149820E+09	1,182665E+09	1,184780E+09	1,184776E+09	1,182664E+09	1,149834E+09
-2006	1,069149E+09	9,622500E+08	8,837017E+08	8,837028E+08	9,622525E+08	1,069148E+09	1,149833E+09	1,182678E+09	1,184793E+09	1,184774E+09	1,182627E+09	1,149772E+09
-2005	1,069098E+09	9,622198E+08	8,836852E+08	8,836867E+08	9,622289E+08	1,069118E+09	1,149805E+09	1,182662E+09	1,184794E+09	1,184794E+09	1,182665E+09	1,149819E+09
-2004	1,069153E+09	9,622757E+08	8,837238E+08	8,837156E+08	9,622553E+08	1,069134E+09	1,149802E+09	1,182645E+09	1,184777E+09	1,184795E+09	1,182681E+09	1,149823E+09
-2003	1,069118E+09	9,622157E+08	8,836693E+08	8,836755E+08	9,622347E+08	1,069136E+09	1,149820E+09	1,182663E+09	1,184780E+09	1,184775E+09	1,182645E+09	1,149794E+09
-2002	1,069105E+09	9,622128E+08	8,836706E+08	8,836749E+08	9,622299E+08	1,069122E+09	1,149798E+09	1,182641E+09	1,184765E+09	1,184773E+09	1,182664E+09	1,149843E+09
-2001	1,069171E+09	9,622582E+08	8,836856E+08	8,836822E+08	9,622405E+08	1,069138E+09	1,149813E+09	1,182647E+09	1,184760E+09	1,184761E+09	1,182641E+09	1,149795E+09
-2000	1,069108E+09	9,621997E+08	8,836316E+08	8,836304E+08	9,621990E+08	1,069118E+09	1,149818E+09	1,182665E+09	1,184774E+09	1,184760E+09	1,182633E+09	1,149787E+09
-1999	1,069107E+09	9,622248E+08	8,836734E+08	8,836628E+08	9,622117E+08	1,069111E+09	1,149803E+09	1,182655E+09	1,184772E+09	1,184769E+09	1,182656E+09	1,149826E+09
-1998	1,069132E+09	9,622139E+08	8,836557E+08	8,836624E+08	9,622274E+08	1,069133E+09	1,149816E+09	1,182657E+09	1,184774E+09	1,184769E+09	1,182633E+09	1,149772E+09
-1997	1,069077E+09	9,621679E+08	8,836132E+08	8,836240E+08	9,621973E+08	1,069113E+09	1,149804E+09	1,182649E+09	1,184769E+09	1,184774E+09	1,182658E+09	1,149813E+09
-1996	1,069129E+09	9,622300E+08	8,836611E+08	8,836544E+08	9,622192E+08	1,069127E+09	1,149808E+09	1,182644E+09	1,184761E+09	1,184773E+09	1,182670E+09	1,149830E+09
-1995	1,069124E+09	9,622016E+08	8,836336E+08	8,836334E+08	9,622052E+08	1,069128E+09	1,149827E+09	1,182672E+09	1,184780E+09	1,184763E+09	1,182628E+09	1,149782E+09
-1994	1,069096E+09	9,621971E+08	8,836481E+08	8,836497E+08	9,622057E+08	1,069105E+09	1,149794E+09	1,182649E+09	1,184776E+09	1,184774E+09	1,182652E+09	1,149823E+09
-1993	1,069162E+09	9,622658E+08	8,837022E+08	8,836971E+08	9,622446E+08	1,069130E+09	1,149802E+09	1,182644E+09	1,184771E+09	1,184778E+09	1,182657E+09	1,149803E+09

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1992	1,069112E+09	9,622162E+08	8,836656E+08	8,836700E+08	9,622290E+08	1,069128E+09	1,149812E+09	1,182658E+09	1,184778E+09	1,184774E+09	1,182645E+09	1,149790E+09
-1991	1,069106E+09	9,622372E+08	8,837095E+08	8,837091E+08	9,622488E+08	1,069131E+09	1,149806E+09	1,182650E+09	1,184772E+09	1,184775E+09	1,182664E+09	1,149839E+09
-1990	1,069164E+09	9,622642E+08	8,837196E+08	8,837284E+08	9,622783E+08	1,069162E+09	1,149828E+09	1,182661E+09	1,184778E+09	1,184774E+09	1,182640E+09	1,149785E+09
-1989	1,069109E+09	9,622278E+08	8,836872E+08	8,836900E+08	9,622410E+08	1,069136E+09	1,149819E+09	1,182666E+09	1,184785E+09	1,184777E+09	1,182645E+09	1,149802E+09
-1988	1,069142E+09	9,622832E+08	8,837471E+08	8,837340E+08	9,622624E+08	1,069137E+09	1,149810E+09	1,182658E+09	1,184788E+09	1,184793E+09	1,182669E+09	1,149828E+09
-1987	1,069148E+09	9,622612E+08	8,837252E+08	8,837265E+08	9,622633E+08	1,069142E+09	1,149820E+09	1,182672E+09	1,184801E+09	1,184791E+09	1,182643E+09	1,149779E+09
-1986	1,069101E+09	9,622268E+08	8,837029E+08	8,837135E+08	9,622539E+08	1,069125E+09	1,149792E+09	1,182643E+09	1,184780E+09	1,184789E+09	1,182667E+09	1,149826E+09
-1985	1,069163E+09	9,622876E+08	8,837427E+08	8,837386E+08	9,622764E+08	1,069148E+09	1,149805E+09	1,182637E+09	1,184763E+09	1,184779E+09	1,182671E+09	1,149829E+09
-1984	1,069136E+09	9,622361E+08	8,836880E+08	8,836868E+08	9,622386E+08	1,069137E+09	1,149820E+09	1,182660E+09	1,184773E+09	1,184763E+09	1,182635E+09	1,149791E+09
-1983	1,069114E+09	9,622353E+08	8,837004E+08	8,836953E+08	9,622330E+08	1,069120E+09	1,149805E+09	1,182654E+09	1,184770E+09	1,184764E+09	1,182644E+09	1,149823E+09
-1982	1,069167E+09	9,622704E+08	8,837118E+08	8,837095E+08	9,622573E+08	1,069144E+09	1,149816E+09	1,182655E+09	1,184775E+09	1,184771E+09	1,182636E+09	1,149776E+09
-1981	1,069096E+09	9,622102E+08	8,836594E+08	8,836568E+08	9,622154E+08	1,069120E+09	1,149809E+09	1,182657E+09	1,184776E+09	1,184768E+09	1,182638E+09	1,149785E+09
-1980	1,069104E+09	9,622292E+08	8,836928E+08	8,836877E+08	9,622330E+08	1,069123E+09	1,149801E+09	1,182645E+09	1,184773E+09	1,184782E+09	1,182666E+09	1,149829E+09
-1979	1,069134E+09	9,622179E+08	8,836673E+08	8,836761E+08	9,622368E+08	1,069139E+09	1,149821E+09	1,182662E+09	1,184780E+09	1,184777E+09	1,182643E+09	1,149782E+09
-1978	1,069089E+09	9,621803E+08	8,836291E+08	8,836439E+08	9,622144E+08	1,069118E+09	1,149803E+09	1,182647E+09	1,184767E+09	1,184769E+09	1,182651E+09	1,149813E+09
-1977	1,069145E+09	9,622563E+08	8,836923E+08	8,836795E+08	9,622322E+08	1,069130E+09	1,149808E+09	1,182647E+09	1,184765E+09	1,184770E+09	1,182661E+09	1,149827E+09
-1976	1,069136E+09	9,622281E+08	8,836691E+08	8,836604E+08	9,622127E+08	1,069119E+09	1,149813E+09	1,182665E+09	1,184783E+09	1,184772E+09	1,182633E+09	1,149779E+09
-1975	1,069098E+09	9,622170E+08	8,836878E+08	8,836894E+08	9,622263E+08	1,069107E+09	1,149790E+09	1,182647E+09	1,184776E+09	1,184776E+09	1,182650E+09	1,149817E+09
-1974	1,069159E+09	9,622744E+08	8,837276E+08	8,837315E+08	9,622756E+08	1,069148E+09	1,149804E+09	1,182639E+09	1,184770E+09	1,184781E+09	1,182658E+09	1,149799E+09
-1973	1,069113E+09	9,622306E+08	8,836921E+08	8,836953E+08	9,622476E+08	1,069139E+09	1,149814E+09	1,182651E+09	1,184768E+09	1,184765E+09	1,182640E+09	1,149793E+09
-1972	1,069119E+09	9,622555E+08	8,837347E+08	8,837330E+08	9,622648E+08	1,069140E+09	1,149809E+09	1,182651E+09	1,184774E+09	1,184777E+09	1,182656E+09	1,149831E+09
-1971	1,069170E+09	9,622833E+08	8,837454E+08	8,837469E+08	9,622824E+08	1,069158E+09	1,149829E+09	1,182671E+09	1,184794E+09	1,184785E+09	1,182641E+09	1,149781E+09
-1970	1,069112E+09	9,622441E+08	8,837165E+08	8,837226E+08	9,622607E+08	1,069134E+09	1,149808E+09	1,182659E+09	1,184789E+09	1,184782E+09	1,182644E+09	1,149797E+09
-1969	1,069145E+09	9,622997E+08	8,837766E+08	8,837668E+08	9,622855E+08	1,069144E+09	1,149804E+09	1,182651E+09	1,184787E+09	1,184794E+09	1,182672E+09	1,149832E+09
-1968	1,069156E+09	9,622759E+08	8,837475E+08	8,837475E+08	9,622762E+08	1,069145E+09	1,149813E+09	1,182661E+09	1,184793E+09	1,184793E+09	1,182652E+09	1,149789E+09
-1967	1,069111E+09	9,622415E+08	8,837265E+08	8,837367E+08	9,622658E+08	1,069132E+09	1,149800E+09	1,182647E+09	1,184774E+09	1,184777E+09	1,182655E+09	1,149822E+09
-1966	1,069170E+09	9,623006E+08	8,837599E+08	8,837579E+08	9,622925E+08	1,069159E+09	1,149814E+09	1,182646E+09	1,184769E+09	1,184775E+09	1,182659E+09	1,149815E+09
-1965	1,069137E+09	9,622585E+08	8,837175E+08	8,837061E+08	9,622442E+08	1,069135E+09	1,149816E+09	1,182660E+09	1,184775E+09	1,184762E+09	1,182626E+09	1,149780E+09
-1964	1,069114E+09	9,622489E+08	8,837285E+08	8,837231E+08	9,622464E+08	1,069120E+09	1,149797E+09	1,182650E+09	1,184780E+09	1,184779E+09	1,182646E+09	1,149809E+09
-1963	1,069156E+09	9,622733E+08	8,837300E+08	8,837325E+08	9,622716E+08	1,069145E+09	1,149811E+09	1,182655E+09	1,184785E+09	1,184789E+09	1,182652E+09	1,149781E+09
-1962	1,069094E+09	9,622105E+08	8,836713E+08	8,836811E+08	9,622394E+08	1,069130E+09	1,149803E+09	1,182645E+09	1,184768E+09	1,184769E+09	1,182643E+09	1,149793E+09
-1961	1,069114E+09	9,622391E+08	8,837065E+08	8,837051E+08	9,622484E+08	1,069135E+09	1,149807E+09	1,182645E+09	1,184766E+09	1,184772E+09	1,182664E+09	1,149838E+09
-1960	1,069155E+09	9,622407E+08	8,836872E+08	8,836874E+08	9,622373E+08	1,069134E+09	1,149818E+09	1,182661E+09	1,184780E+09	1,184775E+09	1,182643E+09	1,149786E+09
-1959	1,069104E+09	9,622081E+08	8,836639E+08	8,836691E+08	9,622179E+08	1,069112E+09	1,149802E+09	1,182652E+09	1,184769E+09	1,184763E+09	1,182637E+09	1,149800E+09
-1958	1,069146E+09	9,622756E+08	8,837268E+08	8,837165E+08	9,622545E+08	1,069134E+09	1,149803E+09	1,182645E+09	1,184772E+09	1,184778E+09	1,182659E+09	1,149813E+09
-1957	1,069132E+09	9,622491E+08	8,837074E+08	8,836978E+08	9,622364E+08	1,069124E+09	1,149803E+09	1,182649E+09	1,184775E+09	1,184771E+09	1,182635E+09	1,149778E+09

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												
-1956	1,069099E+09	9,622290E+08	8,837161E+08	8,837238E+08	9,622543E+08	1,069124E+09	1,149791E+09	1,182638E+09	1,184773E+09	1,184780E+09	1,182650E+09	1,149812E+09
-1955	1,069160E+09	9,622833E+08	8,837468E+08	8,837545E+08	9,622939E+08	1,069161E+09	1,149816E+09	1,182650E+09	1,184777E+09	1,184785E+09	1,182659E+09	1,149802E+09
-1954	1,069122E+09	9,622445E+08	8,837117E+08	8,837204E+08	9,622680E+08	1,069148E+09	1,149817E+09	1,182656E+09	1,184773E+09	1,184763E+09	1,182630E+09	1,149788E+09
-1953	1,069130E+09	9,622785E+08	8,837635E+08	8,837579E+08	9,622772E+08	1,069144E+09	1,149813E+09	1,182660E+09	1,184786E+09	1,184780E+09	1,182653E+09	1,149827E+09
-1952	1,069175E+09	9,623046E+08	8,837766E+08	8,837723E+08	9,622879E+08	1,069146E+09	1,149814E+09	1,182667E+09	1,184803E+09	1,184801E+09	1,182654E+09	1,149785E+09
-1951	1,069115E+09	9,622600E+08	8,837481E+08	8,837547E+08	9,622753E+08	1,069133E+09	1,149801E+09	1,182653E+09	1,184787E+09	1,184785E+09	1,182648E+09	1,149798E+09
-1950	1,069147E+09	9,623092E+08	8,837976E+08	8,837946E+08	9,623085E+08	1,069156E+09	1,149803E+09	1,182643E+09	1,184782E+09	1,184795E+09	1,182674E+09	1,149832E+09
-1949	1,069163E+09	9,622958E+08	8,837717E+08	8,837674E+08	9,622875E+08	1,069148E+09	1,149809E+09	1,182649E+09	1,184778E+09	1,184779E+09	1,182644E+09	1,149791E+09
-1948	1,069125E+09	9,622633E+08	8,837517E+08	8,837585E+08	9,622786E+08	1,069136E+09	1,149799E+09	1,182645E+09	1,184775E+09	1,184773E+09	1,182641E+09	1,149807E+09
-1947	1,069170E+09	9,623172E+08	8,837842E+08	8,837779E+08	9,622999E+08	1,069158E+09	1,149816E+09	1,182655E+09	1,184782E+09	1,184783E+09	1,182655E+09	1,149805E+09
-1946	1,069132E+09	9,622660E+08	8,837404E+08	8,837394E+08	9,622684E+08	1,069139E+09	1,149810E+09	1,182656E+09	1,184779E+09	1,184766E+09	1,182623E+09	1,149772E+09
-1945	1,069110E+09	9,622560E+08	8,837473E+08	8,837505E+08	9,622706E+08	1,069133E+09	1,149800E+09	1,182649E+09	1,184781E+09	1,184782E+09	1,182653E+09	1,149814E+09
-1944	1,069156E+09	9,622778E+08	8,837418E+08	8,837466E+08	9,622803E+08	1,069149E+09	1,149810E+09	1,182651E+09	1,184784E+09	1,184794E+09	1,182666E+09	1,149795E+09
-1943	1,069104E+09	9,622221E+08	8,836877E+08	8,836969E+08	9,622458E+08	1,069135E+09	1,149813E+09	1,182652E+09	1,184767E+09	1,184762E+09	1,182637E+09	1,149794E+09
-1942	1,069126E+09	9,622574E+08	8,837244E+08	8,837204E+08	9,622569E+08	1,069138E+09	1,149809E+09	1,182650E+09	1,184773E+09	1,184774E+09	1,182656E+09	1,149827E+09
-1941	1,069161E+09	9,622703E+08	8,837205E+08	8,837085E+08	9,622399E+08	1,069124E+09	1,149805E+09	1,182654E+09	1,184779E+09	1,184774E+09	1,182637E+09	1,149781E+09
-1940	1,069108E+09	9,622303E+08	8,837007E+08	8,837067E+08	9,622375E+08	1,069109E+09	1,149786E+09	1,182641E+09	1,184774E+09	1,184772E+09	1,182636E+09	1,149789E+09
-1939	1,069140E+09	9,622857E+08	8,837530E+08	8,837490E+08	9,622776E+08	1,069140E+09	1,149798E+09	1,182640E+09	1,184774E+09	1,184785E+09	1,182667E+09	1,149817E+09
-1938	1,069132E+09	9,622554E+08	8,837288E+08	8,837337E+08	9,622689E+08	1,069140E+09	1,149802E+09	1,182639E+09	1,184763E+09	1,184763E+09	1,182630E+09	1,149780E+09
-1937	1,069110E+09	9,622463E+08	8,837381E+08	8,837489E+08	9,622752E+08	1,069140E+09	1,149804E+09	1,182645E+09	1,184769E+09	1,184768E+09	1,182643E+09	1,149813E+09
-1936	1,069169E+09	9,623063E+08	8,837725E+08	8,837726E+08	9,622983E+08	1,069159E+09	1,149817E+09	1,182657E+09	1,184786E+09	1,184788E+09	1,182658E+09	1,149801E+09
-1935	1,069131E+09	9,622707E+08	8,837484E+08	8,837493E+08	9,622753E+08	1,069145E+09	1,149819E+09	1,182666E+09	1,184785E+09	1,184768E+09	1,182622E+09	1,149775E+09
-1934	1,069129E+09	9,622961E+08	8,837948E+08	8,837927E+08	9,622988E+08	1,069146E+09	1,149806E+09	1,182659E+09	1,184798E+09	1,184795E+09	1,182658E+09	1,149818E+09
-1933	1,069173E+09	9,623253E+08	8,838089E+08	8,838038E+08	9,623074E+08	1,069148E+09	1,149801E+09	1,182651E+09	1,184795E+09	1,184803E+09	1,182663E+09	1,149794E+09
-1932	1,069123E+09	9,622751E+08	8,837748E+08	8,837859E+08	9,622988E+08	1,069143E+09	1,149795E+09	1,182643E+09	1,184782E+09	1,184785E+09	1,182647E+09	1,149799E+09
-1931	1,069153E+09	9,623208E+08	8,838157E+08	8,838152E+08	9,623239E+08	1,069165E+09	1,149809E+09	1,182648E+09	1,184783E+09	1,184792E+09	1,182673E+09	1,149836E+09
-1930	1,069173E+09	9,623107E+08	8,837924E+08	8,837931E+08	9,623069E+08	1,069156E+09	1,149810E+09	1,182649E+09	1,184777E+09	1,184770E+09	1,182629E+09	1,149781E+09
-1929	1,069130E+09	9,622835E+08	8,837777E+08	8,837820E+08	9,622918E+08	1,069142E+09	1,149804E+09	1,182653E+09	1,184782E+09	1,184773E+09	1,182635E+09	1,149797E+09
-1928	1,069164E+09	9,623289E+08	8,838076E+08	8,838005E+08	9,623090E+08	1,069153E+09	1,149807E+09	1,182655E+09	1,184792E+09	1,184796E+09	1,182665E+09	1,149806E+09
-1927	1,069130E+09	9,622726E+08	8,837587E+08	8,837610E+08	9,622818E+08	1,069144E+09	1,149810E+09	1,182654E+09	1,184779E+09	1,184768E+09	1,182625E+09	1,149773E+09
-1926	1,069109E+09	9,622586E+08	8,837554E+08	8,837659E+08	9,622867E+08	1,069144E+09	1,149804E+09	1,182648E+09	1,184780E+09	1,184783E+09	1,182656E+09	1,149816E+09
-1925	1,069164E+09	9,622966E+08	8,837588E+08	8,837572E+08	9,622823E+08	1,069145E+09	1,149805E+09	1,182644E+09	1,184774E+09	1,184784E+09	1,182661E+09	1,149802E+09
-1924	1,069120E+09	9,622465E+08	8,837134E+08	8,837158E+08	9,622512E+08	1,069129E+09	1,149803E+09	1,182648E+09	1,184771E+09	1,184760E+09	1,182625E+09	1,149783E+09
-1923	1,069128E+09	9,622791E+08	8,837549E+08	8,837457E+08	9,622657E+08	1,069132E+09	1,149801E+09	1,182651E+09	1,184783E+09	1,184781E+09	1,182655E+09	1,149822E+09
-1922	1,069160E+09	9,622848E+08	8,837521E+08	8,837500E+08	9,622688E+08	1,069127E+09	1,149792E+09	1,182641E+09	1,184774E+09	1,184773E+09	1,182632E+09	1,149774E+09
-1921	1,069109E+09	9,622463E+08	8,837296E+08	8,837428E+08	9,622688E+08	1,069128E+09	1,149791E+09	1,182637E+09	1,184768E+09	1,184767E+09	1,182636E+09	1,149790E+09

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1920	1,069138E+09	9,622960E+08	8,837752E+08	8,837749E+08	9,622966E+08	1,069150E+09	1,149803E+09	1,182642E+09	1,184775E+09	1,184785E+09	1,182670E+09	1,149823E+09
-1919	1,069141E+09	9,622706E+08	8,837514E+08	8,837573E+08	9,622853E+08	1,069153E+09	1,149819E+09	1,182653E+09	1,184769E+09	1,184757E+09	1,182619E+09	1,149774E+09
-1918	1,069117E+09	9,622656E+08	8,837608E+08	8,837708E+08	9,622903E+08	1,069149E+09	1,149812E+09	1,182659E+09	1,184787E+09	1,184778E+09	1,182639E+09	1,149801E+09
-1917	1,069171E+09	9,623333E+08	8,838075E+08	8,837980E+08	9,623041E+08	1,069150E+09	1,149806E+09	1,182655E+09	1,184793E+09	1,184798E+09	1,182662E+09	1,149801E+09
-1916	1,069135E+09	9,622914E+08	8,837845E+08	8,837864E+08	9,622951E+08	1,069140E+09	1,149799E+09	1,182655E+09	1,184795E+09	1,184785E+09	1,182630E+09	1,149774E+09
-1915	1,069128E+09	9,623078E+08	8,838198E+08	8,838223E+08	9,623201E+08	1,069150E+09	1,149796E+09	1,182649E+09	1,184798E+09	1,184805E+09	1,182672E+09	1,149830E+09
-1914	1,069181E+09	9,623346E+08	8,838299E+08	8,838358E+08	9,623346E+08	1,069159E+09	1,149797E+09	1,182637E+09	1,184779E+09	1,184790E+09	1,182657E+09	1,149801E+09
-1913	1,069141E+09	9,622990E+08	8,837989E+08	8,838093E+08	9,623177E+08	1,069156E+09	1,149805E+09	1,182645E+09	1,184772E+09	1,184767E+09	1,182635E+09	1,149798E+09
-1912	1,069161E+09	9,623429E+08	8,838411E+08	8,838324E+08	9,623281E+08	1,069161E+09	1,149808E+09	1,182653E+09	1,184788E+09	1,184788E+09	1,182662E+09	1,149829E+09
-1911	1,069177E+09	9,623305E+08	8,838232E+08	8,838193E+08	9,623184E+08	1,069159E+09	1,149814E+09	1,182656E+09	1,184784E+09	1,184770E+09	1,182617E+09	1,149764E+09
-1910	1,069122E+09	9,622938E+08	8,837997E+08	8,838089E+08	9,623127E+08	1,069150E+09	1,149803E+09	1,182655E+09	1,184793E+09	1,184786E+09	1,182637E+09	1,149785E+09
-1909	1,069153E+09	9,623374E+08	8,838260E+08	8,838190E+08	9,623217E+08	1,069156E+09	1,149800E+09	1,182645E+09	1,184788E+09	1,184799E+09	1,182672E+09	1,149815E+09
-1908	1,069134E+09	9,622806E+08	8,837748E+08	8,837803E+08	9,622962E+08	1,069148E+09	1,149805E+09	1,182651E+09	1,184784E+09	1,184773E+09	1,182626E+09	1,149776E+09
-1907	1,069116E+09	9,622683E+08	8,837666E+08	8,837761E+08	9,622923E+08	1,069144E+09	1,149804E+09	1,182653E+09	1,184787E+09	1,184786E+09	1,182656E+09	1,149822E+09
-1906	1,069175E+09	9,623128E+08	8,837804E+08	8,837788E+08	9,622932E+08	1,069142E+09	1,149797E+09	1,182639E+09	1,184773E+09	1,184779E+09	1,182650E+09	1,149797E+09
-1905	1,069130E+09	9,622728E+08	8,837471E+08	8,837445E+08	9,622648E+08	1,069128E+09	1,149798E+09	1,182646E+09	1,184770E+09	1,184759E+09	1,182622E+09	1,149776E+09
-1904	1,069124E+09	9,622941E+08	8,837858E+08	8,837773E+08	9,622824E+08	1,069128E+09	1,149787E+09	1,182642E+09	1,184784E+09	1,184788E+09	1,182661E+09	1,149824E+09
-1903	1,069161E+09	9,622967E+08	8,837789E+08	8,837816E+08	9,622957E+08	1,069144E+09	1,149796E+09	1,182634E+09	1,184768E+09	1,184769E+09	1,182628E+09	1,149772E+09
-1902	1,069110E+09	9,622563E+08	8,837479E+08	8,837677E+08	9,622946E+08	1,069148E+09	1,149802E+09	1,182641E+09	1,184770E+09	1,184767E+09	1,182632E+09	1,149784E+09
-1901	1,069143E+09	9,623163E+08	8,837986E+08	8,837933E+08	9,623071E+08	1,069155E+09	1,149805E+09	1,182644E+09	1,184775E+09	1,184780E+09	1,182663E+09	1,149824E+09
-1900	1,069153E+09	9,622959E+08	8,837832E+08	8,837834E+08	9,622970E+08	1,069150E+09	1,149812E+09	1,182659E+09	1,184787E+09	1,184767E+09	1,182612E+09	1,149764E+09
-1899	1,069117E+09	9,622848E+08	8,837924E+08	8,837992E+08	9,623030E+08	1,069145E+09	1,149806E+09	1,182663E+09	1,184803E+09	1,184795E+09	1,182647E+09	1,149803E+09
-1898	1,069172E+09	9,623464E+08	8,838395E+08	8,838385E+08	9,623312E+08	1,069152E+09	1,149792E+09	1,182641E+09	1,184790E+09	1,184802E+09	1,182667E+09	1,149806E+09
-1897	1,069143E+09	9,623109E+08	8,838150E+08	8,838197E+08	9,623215E+08	1,069154E+09	1,149800E+09	1,182646E+09	1,184784E+09	1,184780E+09	1,182636E+09	1,149783E+09
-1896	1,069134E+09	9,623233E+08	8,838449E+08	8,838476E+08	9,623367E+08	1,069156E+09	1,149795E+09	1,182645E+09	1,184793E+09	1,184801E+09	1,182672E+09	1,149840E+09
-1895	1,069197E+09	9,623562E+08	8,838542E+08	8,838566E+08	9,623501E+08	1,069172E+09	1,149807E+09	1,182641E+09	1,184777E+09	1,184778E+09	1,182637E+09	1,149789E+09
-1894	1,069146E+09	9,623201E+08	8,838241E+08	8,838305E+08	9,623321E+08	1,069165E+09	1,149812E+09	1,182656E+09	1,184785E+09	1,184771E+09	1,182621E+09	1,149777E+09
-1893	1,069155E+09	9,623625E+08	8,838721E+08	8,838569E+08	9,623358E+08	1,069155E+09	1,149800E+09	1,182652E+09	1,184794E+09	1,184794E+09	1,182660E+09	1,149822E+09
-1892	1,069172E+09	9,623400E+08	8,838490E+08	8,838489E+08	9,623364E+08	1,069156E+09	1,149799E+09	1,182651E+09	1,184797E+09	1,184786E+09	1,182622E+09	1,149760E+09
-1891	1,069114E+09	9,622940E+08	8,838117E+08	8,838257E+08	9,623278E+08	1,069156E+09	1,149800E+09	1,182650E+09	1,184796E+09	1,184797E+09	1,182652E+09	1,149798E+09
-1890	1,069158E+09	9,623385E+08	8,838368E+08	8,838370E+08	9,623361E+08	1,069161E+09	1,149795E+09	1,182634E+09	1,184776E+09	1,184791E+09	1,182669E+09	1,149823E+09
-1889	1,069152E+09	9,623018E+08	8,837943E+08	8,837939E+08	9,623037E+08	1,069151E+09	1,149807E+09	1,182650E+09	1,184775E+09	1,184762E+09	1,182620E+09	1,149777E+09
-1888	1,069125E+09	9,622907E+08	8,837939E+08	8,837934E+08	9,622937E+08	1,069134E+09	1,149793E+09	1,182650E+09	1,184790E+09	1,184786E+09	1,182650E+09	1,149819E+09
-1887	1,069182E+09	9,623344E+08	8,838132E+08	8,838075E+08	9,623089E+08	1,069145E+09	1,149793E+09	1,182635E+09	1,184773E+09	1,184777E+09	1,182638E+09	1,149782E+09
-1886	1,069126E+09	9,622869E+08	8,837760E+08	8,837788E+08	9,622946E+08	1,069143E+09	1,149798E+09	1,182643E+09	1,184774E+09	1,184765E+09	1,182620E+09	1,149765E+09
-1885	1,069117E+09	9,623054E+08	8,838107E+08	8,838045E+08	9,623041E+08	1,069140E+09	1,149788E+09	1,182634E+09	1,184776E+09	1,184785E+09	1,182661E+09	1,149828E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1884	1,069165E+09	9,623077E+08	8,838016E+08	8,838088E+08	9,623182E+08	1,069156E+09	1,149799E+09	1,182640E+09	1,184777E+09	1,184772E+09	1,182624E+09	1,149769E+09
-1883	1,069115E+09	9,622689E+08	8,837654E+08	8,837831E+08	9,623067E+08	1,069156E+09	1,149810E+09	1,182655E+09	1,184785E+09	1,184777E+09	1,182634E+09	1,149786E+09
-1882	1,069149E+09	9,623302E+08	8,838245E+08	8,838184E+08	9,623191E+08	1,069154E+09	1,149801E+09	1,182646E+09	1,184783E+09	1,184786E+09	1,182658E+09	1,149820E+09
-1881	1,069163E+09	9,623225E+08	8,838202E+08	8,838154E+08	9,623117E+08	1,069149E+09	1,149806E+09	1,182658E+09	1,184792E+09	1,184777E+09	1,182621E+09	1,149765E+09
-1880	1,069118E+09	9,623013E+08	8,838243E+08	8,838305E+08	9,623181E+08	1,069137E+09	1,149787E+09	1,182650E+09	1,184804E+09	1,184805E+09	1,182659E+09	1,149814E+09
-1879	1,069182E+09	9,623629E+08	8,838678E+08	8,838676E+08	9,623547E+08	1,069166E+09	1,149791E+09	1,182628E+09	1,184778E+09	1,184795E+09	1,182662E+09	1,149808E+09
-1878	1,069155E+09	9,623309E+08	8,838422E+08	8,838473E+08	9,623444E+08	1,069169E+09	1,149806E+09	1,182644E+09	1,184778E+09	1,184772E+09	1,182624E+09	1,149776E+09
-1877	1,069144E+09	9,623492E+08	8,838738E+08	8,838687E+08	9,623464E+08	1,069158E+09	1,149794E+09	1,182643E+09	1,184787E+09	1,184789E+09	1,182656E+09	1,149831E+09
-1876	1,069205E+09	9,623816E+08	8,838896E+08	8,838866E+08	9,623651E+08	1,069171E+09	1,149801E+09	1,182647E+09	1,184793E+09	1,184783E+09	1,182624E+09	1,149770E+09
-1875	1,069139E+09	9,623324E+08	8,838518E+08	8,838578E+08	9,623482E+08	1,069167E+09	1,149809E+09	1,182661E+09	1,184801E+09	1,184788E+09	1,182628E+09	1,149772E+09
-1874	1,069146E+09	9,623617E+08	8,838933E+08	8,838889E+08	9,623600E+08	1,069162E+09	1,149793E+09	1,182643E+09	1,184794E+09	1,184801E+09	1,182664E+09	1,149823E+09
-1873	1,069174E+09	9,623486E+08	8,838681E+08	8,838713E+08	9,623554E+08	1,069169E+09	1,149803E+09	1,182647E+09	1,184789E+09	1,184787E+09	1,182633E+09	1,149770E+09
-1872	1,069119E+09	9,622999E+08	8,838246E+08	8,838384E+08	9,623338E+08	1,069156E+09	1,149798E+09	1,182649E+09	1,184795E+09	1,184797E+09	1,182656E+09	1,149811E+09
-1871	1,069177E+09	9,623563E+08	8,838534E+08	8,838471E+08	9,623430E+08	1,069168E+09	1,149800E+09	1,182634E+09	1,184774E+09	1,184783E+09	1,182656E+09	1,149816E+09
-1870	1,069162E+09	9,623250E+08	8,838213E+08	8,838132E+08	9,623128E+08	1,069153E+09	1,149807E+09	1,182653E+09	1,184782E+09	1,184766E+09	1,182609E+09	1,149761E+09
-1869	1,069125E+09	9,623119E+08	8,838264E+08	8,838207E+08	9,623042E+08	1,069127E+09	1,149780E+09	1,182640E+09	1,184788E+09	1,184789E+09	1,182648E+09	1,149814E+09
-1868	1,069182E+09	9,623474E+08	8,838427E+08	8,838421E+08	9,623339E+08	1,069148E+09	1,149780E+09	1,182628E+09	1,184780E+09	1,184784E+09	1,182638E+09	1,149776E+09
-1867	1,069121E+09	9,622902E+08	8,837929E+08	8,838017E+08	9,623174E+08	1,069158E+09	1,149803E+09	1,182643E+09	1,184775E+09	1,184771E+09	1,182628E+09	1,149773E+09
-1866	1,069122E+09	9,623077E+08	8,838271E+08	8,838282E+08	9,623228E+08	1,069152E+09	1,149793E+09	1,182634E+09	1,184771E+09	1,184777E+09	1,182653E+09	1,149828E+09
-1865	1,069180E+09	9,623300E+08	8,838264E+08	8,838272E+08	9,623279E+08	1,069162E+09	1,149807E+09	1,182647E+09	1,184777E+09	1,184769E+09	1,182621E+09	1,149766E+09
-1864	1,069120E+09	9,622904E+08	8,837971E+08	8,838053E+08	9,623097E+08	1,069146E+09	1,149802E+09	1,182658E+09	1,184798E+09	1,184788E+09	1,182636E+09	1,149787E+09
-1863	1,069159E+09	9,623532E+08	8,838585E+08	8,838475E+08	9,623352E+08	1,069157E+09	1,149794E+09	1,182639E+09	1,184786E+09	1,184792E+09	1,182655E+09	1,149812E+09
-1862	1,069165E+09	9,623412E+08	8,838535E+08	8,838512E+08	9,623387E+08	1,069159E+09	1,149800E+09	1,182650E+09	1,184793E+09	1,184785E+09	1,182623E+09	1,149761E+09
-1861	1,069122E+09	9,623202E+08	8,838558E+08	8,838626E+08	9,623396E+08	1,069145E+09	1,149781E+09	1,182637E+09	1,184792E+09	1,184799E+09	1,182659E+09	1,149821E+09
-1860	1,069195E+09	9,623819E+08	8,838972E+08	8,838994E+08	9,623774E+08	1,069172E+09	1,149789E+09	1,182630E+09	1,184782E+09	1,184790E+09	1,182652E+09	1,149802E+09
-1859	1,069161E+09	9,623486E+08	8,838672E+08	8,838697E+08	9,623606E+08	1,069179E+09	1,149814E+09	1,182654E+09	1,184788E+09	1,184775E+09	1,182620E+09	1,149770E+09
-1858	1,069145E+09	9,623620E+08	8,839040E+08	8,838990E+08	9,623609E+08	1,069160E+09	1,149793E+09	1,182644E+09	1,184792E+09	1,184791E+09	1,182646E+09	1,149817E+09
-1857	1,069204E+09	9,623996E+08	8,839219E+08	8,839180E+08	9,623828E+08	1,069174E+09	1,149798E+09	1,182646E+09	1,184795E+09	1,184793E+09	1,182634E+09	1,149767E+09
-1856	1,069132E+09	9,623371E+08	8,838727E+08	8,838819E+08	9,623626E+08	1,069166E+09	1,149798E+09	1,182653E+09	1,184805E+09	1,184801E+09	1,182643E+09	1,149784E+09
-1855	1,069154E+09	9,623672E+08	8,839047E+08	8,839030E+08	9,623760E+08	1,069177E+09	1,149796E+09	1,182634E+09	1,184785E+09	1,184796E+09	1,182663E+09	1,149827E+09
-1854	1,069186E+09	9,623628E+08	8,838833E+08	8,838856E+08	9,623666E+08	1,069177E+09	1,149809E+09	1,182649E+09	1,184787E+09	1,184781E+09	1,182626E+09	1,149768E+09
-1853	1,069134E+09	9,623238E+08	8,838473E+08	8,838516E+08	9,623338E+08	1,069148E+09	1,149791E+09	1,182644E+09	1,184789E+09	1,184787E+09	1,182645E+09	1,149807E+09
-1852	1,069188E+09	9,623813E+08	8,838867E+08	8,838742E+08	9,623515E+08	1,069158E+09	1,149788E+09	1,182635E+09	1,184784E+09	1,184785E+09	1,182645E+09	1,149800E+09
-1851	1,069158E+09	9,623392E+08	8,838501E+08	8,838427E+08	9,623311E+08	1,069157E+09	1,149802E+09	1,182651E+09	1,184789E+09	1,184776E+09	1,182614E+09	1,149756E+09
-1850	1,069117E+09	9,623136E+08	8,838501E+08	8,838540E+08	9,623298E+08	1,069139E+09	1,149777E+09	1,182631E+09	1,184782E+09	1,184787E+09	1,182646E+09	1,149809E+09
-1849	1,069184E+09	9,623590E+08	8,838656E+08	8,838688E+08	9,623572E+08	1,069166E+09	1,149791E+09	1,182628E+09	1,184772E+09	1,184782E+09	1,182643E+09	1,149780E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1848	1,069124E+09	9,622980E+08	8,838086E+08	8,838182E+08	9,623263E+08	1,069162E+09	1,149807E+09	1,182650E+09	1,184782E+09	1,184774E+09	1,182629E+09	1,149779E+09
-1847	1,069136E+09	9,623238E+08	8,838440E+08	8,838406E+08	9,623322E+08	1,069161E+09	1,149801E+09	1,182641E+09	1,184778E+09	1,184777E+09	1,182643E+09	1,149817E+09
-1846	1,069186E+09	9,623538E+08	8,838592E+08	8,838531E+08	9,623378E+08	1,069161E+09	1,149806E+09	1,182653E+09	1,184791E+09	1,184781E+09	1,182619E+09	1,149755E+09
-1845	1,069122E+09	9,623118E+08	8,838326E+08	8,838375E+08	9,623209E+08	1,069136E+09	1,149782E+09	1,182644E+09	1,184797E+09	1,184796E+09	1,182643E+09	1,149789E+09
-1844	1,069166E+09	9,623717E+08	8,838928E+08	8,838862E+08	9,623599E+08	1,069156E+09	1,149776E+09	1,182627E+09	1,184788E+09	1,184799E+09	1,182660E+09	1,149813E+09
-1843	1,069169E+09	9,623545E+08	8,838789E+08	8,838805E+08	9,623631E+08	1,069173E+09	1,149801E+09	1,182642E+09	1,184786E+09	1,184784E+09	1,182628E+09	1,149769E+09
-1842	1,069132E+09	9,623339E+08	8,838826E+08	8,838930E+08	9,623605E+08	1,069156E+09	1,149784E+09	1,182632E+09	1,184780E+09	1,184783E+09	1,182644E+09	1,149815E+09
-1841	1,069209E+09	9,624109E+08	8,839314E+08	8,839277E+08	9,623938E+08	1,069182E+09	1,149796E+09	1,182635E+09	1,184780E+09	1,184784E+09	1,182643E+09	1,149791E+09
-1840	1,069160E+09	9,623670E+08	8,839000E+08	8,838990E+08	9,623717E+08	1,069177E+09	1,149811E+09	1,182660E+09	1,184801E+09	1,184784E+09	1,182619E+09	1,149765E+09
-1839	1,069147E+09	9,623744E+08	8,839288E+08	8,839270E+08	9,623836E+08	1,069173E+09	1,149794E+09	1,182643E+09	1,184798E+09	1,184798E+09	1,182646E+09	1,149806E+09
-1838	1,069199E+09	9,624098E+08	8,839454E+08	8,839460E+08	9,624058E+08	1,069188E+09	1,149802E+09	1,182646E+09	1,184800E+09	1,184802E+09	1,182640E+09	1,149767E+09
-1837	1,069135E+09	9,623478E+08	8,838908E+08	8,839007E+08	9,623732E+08	1,069169E+09	1,149796E+09	1,182647E+09	1,184799E+09	1,184799E+09	1,182648E+09	1,149795E+09
-1836	1,069170E+09	9,623842E+08	8,839231E+08	8,839206E+08	9,623844E+08	1,069173E+09	1,149792E+09	1,182640E+09	1,184793E+09	1,184795E+09	1,182657E+09	1,149823E+09
-1835	1,069195E+09	9,623808E+08	8,839021E+08	8,838991E+08	9,623721E+08	1,069178E+09	1,149810E+09	1,182655E+09	1,184796E+09	1,184786E+09	1,182625E+09	1,149765E+09
-1834	1,069137E+09	9,623395E+08	8,838772E+08	8,838793E+08	9,623430E+08	1,069143E+09	1,149782E+09	1,182639E+09	1,184788E+09	1,184785E+09	1,182637E+09	1,149796E+09
-1833	1,069189E+09	9,623992E+08	8,839176E+08	8,839061E+08	9,623696E+08	1,069160E+09	1,149780E+09	1,182626E+09	1,184778E+09	1,184789E+09	1,182652E+09	1,149796E+09
-1832	1,069150E+09	9,623431E+08	8,838707E+08	8,838698E+08	9,623495E+08	1,069162E+09	1,149796E+09	1,182642E+09	1,184787E+09	1,184781E+09	1,182623E+09	1,149764E+09
-1831	1,069124E+09	9,623196E+08	8,838610E+08	8,838701E+08	9,623499E+08	1,069159E+09	1,149785E+09	1,182626E+09	1,184773E+09	1,184779E+09	1,182639E+09	1,149803E+09
-1830	1,069189E+09	9,623730E+08	8,838833E+08	8,838859E+08	9,623699E+08	1,069177E+09	1,149801E+09	1,182636E+09	1,184775E+09	1,184777E+09	1,182632E+09	1,149773E+09
-1829	1,069134E+09	9,623202E+08	8,838337E+08	8,838364E+08	9,623291E+08	1,069155E+09	1,149801E+09	1,182651E+09	1,184787E+09	1,184774E+09	1,182623E+09	1,149775E+09
-1828	1,069145E+09	9,623482E+08	8,838774E+08	8,838706E+08	9,623412E+08	1,069149E+09	1,149787E+09	1,182645E+09	1,184794E+09	1,184787E+09	1,182641E+09	1,149806E+09
-1827	1,069184E+09	9,623693E+08	8,838889E+08	8,838860E+08	9,623590E+08	1,069164E+09	1,149798E+09	1,182648E+09	1,184797E+09	1,184796E+09	1,182632E+09	1,149759E+09
-1826	1,069121E+09	9,623223E+08	8,838642E+08	8,838760E+08	9,623472E+08	1,069145E+09	1,149776E+09	1,182630E+09	1,184785E+09	1,184791E+09	1,182644E+09	1,149793E+09
-1825	1,069175E+09	9,623919E+08	8,839237E+08	8,839202E+08	9,623854E+08	1,069171E+09	1,149782E+09	1,182620E+09	1,184774E+09	1,184791E+09	1,182663E+09	1,149818E+09
-1824	1,069177E+09	9,623717E+08	8,839045E+08	8,839071E+08	9,623799E+08	1,069180E+09	1,149805E+09	1,182647E+09	1,184789E+09	1,184781E+09	1,182623E+09	1,149771E+09
-1823	1,069147E+09	9,623573E+08	8,839069E+08	8,839133E+08	9,623778E+08	1,069172E+09	1,149793E+09	1,182640E+09	1,184786E+09	1,184780E+09	1,182628E+09	1,149796E+09
-1822	1,069208E+09	9,624342E+08	8,839672E+08	8,839597E+08	9,624103E+08	1,069186E+09	1,149801E+09	1,182646E+09	1,184796E+09	1,184794E+09	1,182637E+09	1,149778E+09
-1821	1,069158E+09	9,623820E+08	8,839295E+08	8,839303E+08	9,623866E+08	1,069171E+09	1,149798E+09	1,182655E+09	1,184807E+09	1,184795E+09	1,182628E+09	1,149768E+09
-1820	1,069149E+09	9,623849E+08	8,839507E+08	8,839554E+08	9,624022E+08	1,069172E+09	1,149785E+09	1,182642E+09	1,184805E+09	1,184807E+09	1,182654E+09	1,149811E+09
-1819	1,069203E+09	9,624180E+08	8,839599E+08	8,839634E+08	9,624198E+08	1,069196E+09	1,149805E+09	1,182645E+09	1,184798E+09	1,184805E+09	1,182649E+09	1,149779E+09
-1818	1,069145E+09	9,623615E+08	8,839110E+08	8,839188E+08	9,623798E+08	1,069168E+09	1,149792E+09	1,182641E+09	1,184789E+09	1,184786E+09	1,182637E+09	1,149794E+09
-1817	1,069185E+09	9,624139E+08	8,839544E+08	8,839429E+08	9,623916E+08	1,069170E+09	1,149787E+09	1,182635E+09	1,184788E+09	1,184792E+09	1,182652E+09	1,149816E+09
-1816	1,069196E+09	9,623996E+08	8,839323E+08	8,839263E+08	9,623809E+08	1,069169E+09	1,149796E+09	1,182649E+09	1,184800E+09	1,184791E+09	1,182623E+09	1,149760E+09
-1815	1,069138E+09	9,623514E+08	8,838978E+08	8,839060E+08	9,623686E+08	1,069157E+09	1,149779E+09	1,182630E+09	1,184784E+09	1,184783E+09	1,182630E+09	1,149782E+09
-1814	1,069180E+09	9,624078E+08	8,839408E+08	8,839359E+08	9,623962E+08	1,069178E+09	1,149788E+09	1,182627E+09	1,184777E+09	1,184787E+09	1,182648E+09	1,149793E+09
-1813	1,069151E+09	9,623495E+08	8,838855E+08	8,838896E+08	9,623637E+08	1,069169E+09	1,149799E+09	1,182643E+09	1,184783E+09	1,184776E+09	1,182622E+09	1,149770E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1812	1,069135E+09	9,623332E+08	8,838754E+08	8,838867E+08	9,623596E+08	1,069160E+09	1,149790E+09	1,182641E+09	1,184787E+09	1,184781E+09	1,182633E+09	1,149797E+09
-1811	1,069191E+09	9,623889E+08	8,839024E+08	8,839004E+08	9,623758E+08	1,069178E+09	1,149805E+09	1,182646E+09	1,184790E+09	1,184790E+09	1,182637E+09	1,149771E+09
-1810	1,069134E+09	9,623364E+08	8,838657E+08	8,838653E+08	9,623376E+08	1,069146E+09	1,149789E+09	1,182645E+09	1,184790E+09	1,184779E+09	1,182623E+09	1,149771E+09
-1809	1,069150E+09	9,623707E+08	8,839124E+08	8,839065E+08	9,623616E+08	1,069147E+09	1,149772E+09	1,182629E+09	1,184789E+09	1,184796E+09	1,182655E+09	1,149811E+09
-1808	1,069185E+09	9,623817E+08	8,839146E+08	8,839172E+08	9,623803E+08	1,069168E+09	1,149788E+09	1,182635E+09	1,184792E+09	1,184797E+09	1,182640E+09	1,149774E+09
-1807	1,069137E+09	9,623402E+08	8,838844E+08	8,839005E+08	9,623735E+08	1,069166E+09	1,149783E+09	1,182624E+09	1,184772E+09	1,184776E+09	1,182630E+09	1,149787E+09
-1806	1,069186E+09	9,624175E+08	8,839552E+08	8,839487E+08	9,624048E+08	1,069184E+09	1,149794E+09	1,182630E+09	1,184775E+09	1,184780E+09	1,182644E+09	1,149807E+09
-1805	1,069186E+09	9,623984E+08	8,839394E+08	8,839364E+08	9,623915E+08	1,069178E+09	1,149803E+09	1,182651E+09	1,184796E+09	1,184781E+09	1,182613E+09	1,149762E+09
-1804	1,069151E+09	9,623811E+08	8,839423E+08	8,839488E+08	9,623946E+08	1,069167E+09	1,149788E+09	1,182650E+09	1,184806E+09	1,184794E+09	1,182626E+09	1,149781E+09
-1803	1,069196E+09	9,624431E+08	8,839928E+08	8,839911E+08	9,624345E+08	1,069196E+09	1,149800E+09	1,182648E+09	1,184808E+09	1,184813E+09	1,182652E+09	1,149782E+09
-1802	1,069153E+09	9,623887E+08	8,839547E+08	8,839605E+08	9,624068E+08	1,069178E+09	1,149795E+09	1,182647E+09	1,184803E+09	1,184797E+09	1,182634E+09	1,149777E+09
-1801	1,069160E+09	9,624013E+08	8,839723E+08	8,839776E+08	9,624167E+08	1,069177E+09	1,149784E+09	1,182635E+09	1,184797E+09	1,184806E+09	1,182660E+09	1,149819E+09
-1800	1,069212E+09	9,624330E+08	8,839773E+08	8,839788E+08	9,624263E+08	1,069194E+09	1,149801E+09	1,182645E+09	1,184801E+09	1,184804E+09	1,182648E+09	1,149786E+09
-1799	1,069162E+09	9,623855E+08	8,839328E+08	8,839349E+08	9,623911E+08	1,069174E+09	1,149790E+09	1,182638E+09	1,184787E+09	1,184779E+09	1,182621E+09	1,149777E+09
-1798	1,069183E+09	9,624347E+08	8,839877E+08	8,839730E+08	9,624066E+08	1,069170E+09	1,149783E+09	1,182634E+09	1,184791E+09	1,184791E+09	1,182643E+09	1,149805E+09
-1797	1,069193E+09	9,624099E+08	8,839573E+08	8,839567E+08	9,624006E+08	1,069169E+09	1,149783E+09	1,182637E+09	1,184796E+09	1,184793E+09	1,182625E+09	1,149762E+09
-1796	1,069139E+09	9,623595E+08	8,839141E+08	8,839299E+08	9,623882E+08	1,069163E+09	1,149778E+09	1,182631E+09	1,184786E+09	1,184784E+09	1,182629E+09	1,149779E+09
-1795	1,069176E+09	9,624107E+08	8,839499E+08	8,839499E+08	9,624115E+08	1,069192E+09	1,149800E+09	1,182634E+09	1,184779E+09	1,184787E+09	1,182649E+09	1,149797E+09
-1794	1,069155E+09	9,623620E+08	8,839045E+08	8,839046E+08	9,623691E+08	1,069168E+09	1,149800E+09	1,182646E+09	1,184783E+09	1,184768E+09	1,182611E+09	1,149766E+09
-1793	1,069145E+09	9,623585E+08	8,839042E+08	8,839072E+08	9,623650E+08	1,069154E+09	1,149784E+09	1,182639E+09	1,184791E+09	1,184787E+09	1,182635E+09	1,149793E+09
-1792	1,069191E+09	9,624055E+08	8,839312E+08	8,839274E+08	9,623857E+08	1,069170E+09	1,149791E+09	1,182642E+09	1,184799E+09	1,184802E+09	1,182645E+09	1,149776E+09
-1791	1,069141E+09	9,623540E+08	8,838905E+08	8,838946E+08	9,623648E+08	1,069159E+09	1,149781E+09	1,182632E+09	1,184784E+09	1,184779E+09	1,182622E+09	1,149766E+09
-1790	1,069151E+09	9,623900E+08	8,839456E+08	8,839420E+08	9,623896E+08	1,069163E+09	1,149776E+09	1,182625E+09	1,184783E+09	1,184790E+09	1,182649E+09	1,149815E+09
-1789	1,069196E+09	9,623994E+08	8,839414E+08	8,839473E+08	9,624008E+08	1,069175E+09	1,149788E+09	1,182633E+09	1,184787E+09	1,184789E+09	1,182633E+09	1,149777E+09
-1788	1,069152E+09	9,623653E+08	8,839126E+08	8,839280E+08	9,623903E+08	1,069171E+09	1,149789E+09	1,182640E+09	1,184786E+09	1,184775E+09	1,182617E+09	1,149773E+09
-1787	1,069184E+09	9,624373E+08	8,839860E+08	8,839762E+08	9,624210E+08	1,069192E+09	1,149801E+09	1,182644E+09	1,184794E+09	1,184792E+09	1,182643E+09	1,149797E+09
-1786	1,069179E+09	9,624136E+08	8,839755E+08	8,839712E+08	9,624071E+08	1,069175E+09	1,149794E+09	1,182650E+09	1,184804E+09	1,184791E+09	1,182616E+09	1,149757E+09
-1785	1,069150E+09	9,623973E+08	8,839730E+08	8,839829E+08	9,624181E+08	1,069171E+09	1,149777E+09	1,182637E+09	1,184806E+09	1,184810E+09	1,182645E+09	1,149789E+09
-1784	1,069195E+09	9,624496E+08	8,840112E+08	8,840138E+08	9,624510E+08	1,069200E+09	1,149792E+09	1,182637E+09	1,184805E+09	1,184818E+09	1,182664E+09	1,149801E+09
-1783	1,069171E+09	9,624042E+08	8,839679E+08	8,839754E+08	9,624243E+08	1,069191E+09	1,149795E+09	1,182639E+09	1,184791E+09	1,184785E+09	1,182624E+09	1,149776E+09
-1782	1,069174E+09	9,624281E+08	8,840018E+08	8,840001E+08	9,624280E+08	1,069180E+09	1,149785E+09	1,182637E+09	1,184796E+09	1,184794E+09	1,182643E+09	1,149814E+09
-1781	1,069224E+09	9,624573E+08	8,840085E+08	8,840034E+08	9,624331E+08	1,069185E+09	1,149789E+09	1,182640E+09	1,184801E+09	1,184800E+09	1,182636E+09	1,149778E+09
-1780	1,069167E+09	9,624067E+08	8,839646E+08	8,839667E+08	9,624075E+08	1,069170E+09	1,149784E+09	1,182641E+09	1,184795E+09	1,184783E+09	1,182614E+09	1,149761E+09
-1779	1,069169E+09	9,624398E+08	8,840090E+08	8,840008E+08	9,624319E+08	1,069186E+09	1,149786E+09	1,182633E+09	1,184794E+09	1,184798E+09	1,182647E+09	1,149802E+09
-1778	1,069183E+09	9,624122E+08	8,839771E+08	8,839804E+08	9,624199E+08	1,069181E+09	1,149786E+09	1,182633E+09	1,184790E+09	1,184788E+09	1,182623E+09	1,149763E+09
-1777	1,069145E+09	9,623708E+08	8,839296E+08	8,839462E+08	9,624027E+08	1,069173E+09	1,149784E+09	1,182631E+09	1,184786E+09	1,184788E+09	1,182632E+09	1,149782E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1776	1,069179E+09	9,624193E+08	8,839615E+08	8,839587E+08	9,624152E+08	1,069191E+09	1,149801E+09	1,182642E+09	1,184792E+09	1,184794E+09	1,182649E+09	1,149801E+09
-1775	1,069168E+09	9,623820E+08	8,839233E+08	8,839186E+08	9,623779E+08	1,069170E+09	1,149797E+09	1,182647E+09	1,184791E+09	1,184773E+09	1,182605E+09	1,149756E+09
-1774	1,069145E+09	9,623798E+08	8,839397E+08	8,839387E+08	9,623790E+08	1,069149E+09	1,149773E+09	1,182636E+09	1,184797E+09	1,184793E+09	1,182634E+09	1,149793E+09
-1773	1,069194E+09	9,624190E+08	8,839602E+08	8,839595E+08	9,624048E+08	1,069167E+09	1,149773E+09	1,182625E+09	1,184793E+09	1,184806E+09	1,182652E+09	1,149786E+09
-1772	1,069153E+09	9,623726E+08	8,839178E+08	8,839248E+08	9,623866E+08	1,069166E+09	1,149780E+09	1,182628E+09	1,184779E+09	1,184775E+09	1,182618E+09	1,149765E+09
-1771	1,069154E+09	9,624042E+08	8,839682E+08	8,839667E+08	9,624118E+08	1,069179E+09	1,149786E+09	1,182629E+09	1,184782E+09	1,184785E+09	1,182642E+09	1,149812E+09
-1770	1,069202E+09	9,624222E+08	8,839754E+08	8,839752E+08	9,624165E+08	1,069180E+09	1,149789E+09	1,182635E+09	1,184787E+09	1,184781E+09	1,182618E+09	1,149767E+09
-1769	1,069160E+09	9,623935E+08	8,839508E+08	8,839599E+08	9,624062E+08	1,069171E+09	1,149784E+09	1,182639E+09	1,184794E+09	1,184787E+09	1,182617E+09	1,149763E+09
-1768	1,069175E+09	9,624469E+08	8,840147E+08	8,840082E+08	9,624402E+08	1,069192E+09	1,149794E+09	1,182644E+09	1,184807E+09	1,184809E+09	1,182652E+09	1,149800E+09
-1767	1,069182E+09	9,624259E+08	8,839976E+08	8,840003E+08	9,624364E+08	1,069190E+09	1,149791E+09	1,182642E+09	1,184802E+09	1,184796E+09	1,182620E+09	1,149757E+09
-1766	1,069152E+09	9,624121E+08	8,840008E+08	8,840114E+08	9,624390E+08	1,069182E+09	1,149781E+09	1,182635E+09	1,184803E+09	1,184805E+09	1,182644E+09	1,149800E+09
-1765	1,069211E+09	9,624648E+08	8,840322E+08	8,840342E+08	9,624627E+08	1,069201E+09	1,149788E+09	1,182633E+09	1,184801E+09	1,184813E+09	1,182661E+09	1,149809E+09
-1764	1,069193E+09	9,624325E+08	8,839952E+08	8,839948E+08	9,624310E+08	1,069188E+09	1,149795E+09	1,182647E+09	1,184798E+09	1,184782E+09	1,182610E+09	1,149763E+09
-1763	1,069175E+09	9,624486E+08	8,840322E+08	8,840248E+08	9,624399E+08	1,069182E+09	1,149785E+09	1,182641E+09	1,184805E+09	1,184800E+09	1,182637E+09	1,149802E+09
-1762	1,069217E+09	9,624721E+08	8,840428E+08	8,840362E+08	9,624499E+08	1,069181E+09	1,149776E+09	1,182631E+09	1,184800E+09	1,184802E+09	1,182633E+09	1,149770E+09
-1761	1,069164E+09	9,624179E+08	8,839902E+08	8,839964E+08	9,624316E+08	1,069179E+09	1,149776E+09	1,182627E+09	1,184791E+09	1,184792E+09	1,182623E+09	1,149762E+09
-1760	1,069163E+09	9,624371E+08	8,840196E+08	8,840175E+08	9,624480E+08	1,069197E+09	1,149790E+09	1,182632E+09	1,184794E+09	1,184801E+09	1,182652E+09	1,149812E+09
-1759	1,069195E+09	9,624217E+08	8,839847E+08	8,839900E+08	9,624341E+08	1,069194E+09	1,149794E+09	1,182635E+09	1,184787E+09	1,184780E+09	1,182612E+09	1,149757E+09
-1758	1,069153E+09	9,623924E+08	8,839554E+08	8,839625E+08	9,624082E+08	1,069173E+09	1,149786E+09	1,182640E+09	1,184794E+09	1,184784E+09	1,182621E+09	1,149779E+09
-1757	1,069189E+09	9,624375E+08	8,839888E+08	8,839794E+08	9,624188E+08	1,069179E+09	1,149785E+09	1,182637E+09	1,184799E+09	1,184802E+09	1,182649E+09	1,149799E+09
-1756	1,069176E+09	9,624025E+08	8,839544E+08	8,839487E+08	9,623921E+08	1,069164E+09	1,149787E+09	1,182646E+09	1,184798E+09	1,184783E+09	1,182606E+09	1,149748E+09
-1755	1,069140E+09	9,623904E+08	8,839673E+08	8,839713E+08	9,624062E+08	1,069163E+09	1,149772E+09	1,182629E+09	1,184795E+09	1,184799E+09	1,182641E+09	1,149796E+09
-1754	1,069194E+09	9,624309E+08	8,839888E+08	8,839890E+08	9,624263E+08	1,069176E+09	1,149772E+09	1,182616E+09	1,184781E+09	1,184796E+09	1,182646E+09	1,149789E+09
-1753	1,069165E+09	9,623928E+08	8,839457E+08	8,839525E+08	9,624086E+08	1,069178E+09	1,149784E+09	1,182625E+09	1,184777E+09	1,184775E+09	1,182614E+09	1,149762E+09
-1752	1,069158E+09	9,624194E+08	8,839920E+08	8,839872E+08	9,624245E+08	1,069186E+09	1,149791E+09	1,182638E+09	1,184793E+09	1,184790E+09	1,182635E+09	1,149806E+09
-1751	1,069208E+09	9,624425E+08	8,840023E+08	8,840006E+08	9,624349E+08	1,069187E+09	1,149789E+09	1,182638E+09	1,184796E+09	1,184787E+09	1,182610E+09	1,149752E+09
-1750	1,069155E+09	9,624123E+08	8,839888E+08	8,839967E+08	9,624278E+08	1,069174E+09	1,149779E+09	1,182640E+09	1,184804E+09	1,184795E+09	1,182620E+09	1,149766E+09
-1749	1,069179E+09	9,624547E+08	8,840384E+08	8,840370E+08	9,624594E+08	1,069193E+09	1,149781E+09	1,182632E+09	1,184806E+09	1,184817E+09	1,182663E+09	1,149813E+09
-1748	1,069198E+09	9,624437E+08	8,840212E+08	8,840240E+08	9,624505E+08	1,069195E+09	1,149793E+09	1,182642E+09	1,184799E+09	1,184794E+09	1,182619E+09	1,149760E+09
-1747	1,069162E+09	9,624304E+08	8,840249E+08	8,840329E+08	9,624531E+08	1,069190E+09	1,149786E+09	1,182637E+09	1,184801E+09	1,184801E+09	1,182638E+09	1,149798E+09
-1746	1,069220E+09	9,624915E+08	8,840677E+08	8,840586E+08	9,624698E+08	1,069196E+09	1,149781E+09	1,182629E+09	1,184798E+09	1,184804E+09	1,182646E+09	1,149799E+09
-1745	1,069201E+09	9,624610E+08	8,840354E+08	8,840288E+08	9,624476E+08	1,069187E+09	1,149784E+09	1,182637E+09	1,184800E+09	1,184791E+09	1,182608E+09	1,149750E+09
-1744	1,069167E+09	9,624566E+08	8,840582E+08	8,840551E+08	9,624614E+08	1,069188E+09	1,149780E+09	1,182637E+09	1,184810E+09	1,184810E+09	1,182640E+09	1,149798E+09
-1743	1,069216E+09	9,624789E+08	8,840589E+08	8,840620E+08	9,624797E+08	1,069202E+09	1,149779E+09	1,182625E+09	1,184795E+09	1,184801E+09	1,182631E+09	1,149766E+09
-1742	1,069162E+09	9,624259E+08	8,840112E+08	8,840198E+08	9,624508E+08	1,069193E+09	1,149787E+09	1,182634E+09	1,184792E+09	1,184787E+09	1,182620E+09	1,149769E+09
-1741	1,069172E+09	9,624407E+08	8,840293E+08	8,840293E+08	9,624553E+08	1,069199E+09	1,149792E+09	1,182637E+09	1,184799E+09	1,184803E+09	1,182651E+09	1,149816E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1740	1,069211E+09	9,624425E+08	8,840052E+08	8,840016E+08	9,624329E+08	1,069190E+09	1,149798E+09	1,182647E+09	1,184799E+09	1,184787E+09	1,182608E+09	1,149747E+09
-1739	1,069152E+09	9,624071E+08	8,839809E+08	8,839832E+08	9,624146E+08	1,069170E+09	1,149782E+09	1,182641E+09	1,184804E+09	1,184797E+09	1,182625E+09	1,149773E+09
-1738	1,069186E+09	9,624527E+08	8,840207E+08	8,840088E+08	9,624318E+08	1,069171E+09	1,149766E+09	1,182621E+09	1,184795E+09	1,184807E+09	1,182653E+09	1,149801E+09
-1737	1,069183E+09	9,624191E+08	8,839831E+08	8,839797E+08	9,624153E+08	1,069170E+09	1,149771E+09	1,182621E+09	1,184786E+09	1,184787E+09	1,182614E+09	1,149752E+09
-1736	1,069143E+09	9,623965E+08	8,839841E+08	8,839928E+08	9,624251E+08	1,069175E+09	1,149775E+09	1,182623E+09	1,184787E+09	1,184792E+09	1,182638E+09	1,149801E+09
-1735	1,069210E+09	9,624496E+08	8,840078E+08	8,840104E+08	9,624478E+08	1,069192E+09	1,149779E+09	1,182617E+09	1,184774E+09	1,184781E+09	1,182627E+09	1,149777E+09
-1734	1,069172E+09	9,624194E+08	8,839830E+08	8,839816E+08	9,624224E+08	1,069184E+09	1,149790E+09	1,182636E+09	1,184784E+09	1,184769E+09	1,182599E+09	1,149753E+09
-1733	1,069162E+09	9,624342E+08	8,840232E+08	8,840176E+08	9,624378E+08	1,069182E+09	1,149784E+09	1,182639E+09	1,184805E+09	1,184801E+09	1,182635E+09	1,149799E+09
-1732	1,069212E+09	9,624618E+08	8,840355E+08	8,840334E+08	9,624524E+08	1,069190E+09	1,149788E+09	1,182641E+09	1,184805E+09	1,184800E+09	1,182616E+09	1,149745E+09
-1731	1,069150E+09	9,624223E+08	8,840163E+08	8,840281E+08	9,624521E+08	1,069188E+09	1,149782E+09	1,182638E+09	1,184808E+09	1,184805E+09	1,182631E+09	1,149771E+09
-1730	1,069184E+09	9,624705E+08	8,840666E+08	8,840639E+08	9,624750E+08	1,069197E+09	1,149777E+09	1,182625E+09	1,184800E+09	1,184813E+09	1,182662E+09	1,149819E+09
-1729	1,069217E+09	9,624696E+08	8,840509E+08	8,840508E+08	9,624672E+08	1,069199E+09	1,149787E+09	1,182635E+09	1,184800E+09	1,184798E+09	1,182618E+09	1,149758E+09
-1728	1,069171E+09	9,624508E+08	8,840527E+08	8,840558E+08	9,624642E+08	1,069192E+09	1,149785E+09	1,182640E+09	1,184808E+09	1,184804E+09	1,182633E+09	1,149793E+09
-1727	1,069228E+09	9,625129E+08	8,840981E+08	8,840896E+08	9,624899E+08	1,069200E+09	1,149776E+09	1,182625E+09	1,184798E+09	1,184804E+09	1,182638E+09	1,149783E+09
-1726	1,069195E+09	9,624771E+08	8,840720E+08	8,840677E+08	9,624729E+08	1,069194E+09	1,149780E+09	1,182633E+09	1,184801E+09	1,184791E+09	1,182609E+09	1,149752E+09
-1725	1,069166E+09	9,624575E+08	8,840741E+08	8,840798E+08	9,624822E+08	1,069196E+09	1,149775E+09	1,182628E+09	1,184807E+09	1,184813E+09	1,182646E+09	1,149803E+09
-1724	1,069225E+09	9,624890E+08	8,840728E+08	8,840767E+08	9,624898E+08	1,069212E+09	1,149792E+09	1,182632E+09	1,184793E+09	1,184797E+09	1,182628E+09	1,149763E+09
-1723	1,069167E+09	9,624376E+08	8,840266E+08	8,840332E+08	9,624586E+08	1,069200E+09	1,149797E+09	1,182644E+09	1,184799E+09	1,184787E+09	1,182616E+09	1,149765E+09
-1722	1,069178E+09	9,624609E+08	8,840535E+08	8,840432E+08	9,624527E+08	1,069187E+09	1,149782E+09	1,182636E+09	1,184802E+09	1,184802E+09	1,182643E+09	1,149809E+09
-1721	1,069218E+09	9,624644E+08	8,840363E+08	8,840288E+08	9,624430E+08	1,069181E+09	1,149780E+09	1,182635E+09	1,184803E+09	1,184801E+09	1,182614E+09	1,149742E+09
-1720	1,069148E+09	9,624157E+08	8,840039E+08	8,840102E+08	9,624323E+08	1,069172E+09	1,149772E+09	1,182631E+09	1,184802E+09	1,184803E+09	1,182633E+09	1,149776E+09
-1719	1,069190E+09	9,624631E+08	8,840394E+08	8,840359E+08	9,624578E+08	1,069185E+09	1,149764E+09	1,182608E+09	1,184781E+09	1,184798E+09	1,182649E+09	1,149799E+09
-1718	1,069187E+09	9,624354E+08	8,840117E+08	8,840104E+08	9,624385E+08	1,069186E+09	1,149781E+09	1,182623E+09	1,184779E+09	1,184773E+09	1,182605E+09	1,149757E+09
-1717	1,069155E+09	9,624090E+08	8,840025E+08	8,840126E+08	9,624382E+08	1,069181E+09	1,149778E+09	1,182629E+09	1,184792E+09	1,184790E+09	1,182628E+09	1,149793E+09
-1716	1,069221E+09	9,624754E+08	8,840377E+08	8,840319E+08	9,624541E+08	1,069195E+09	1,149790E+09	1,182633E+09	1,184788E+09	1,184786E+09	1,182617E+09	1,149759E+09
-1715	1,069165E+09	9,624350E+08	8,840165E+08	8,840148E+08	9,624383E+08	1,069185E+09	1,149791E+09	1,182645E+09	1,184801E+09	1,184786E+09	1,182604E+09	1,149744E+09
-1714	1,069155E+09	9,624467E+08	8,840539E+08	8,840504E+08	9,624551E+08	1,069179E+09	1,149770E+09	1,182630E+09	1,184807E+09	1,184812E+09	1,182646E+09	1,149803E+09
-1713	1,069217E+09	9,624774E+08	8,840638E+08	8,840660E+08	9,624762E+08	1,069197E+09	1,149776E+09	1,182624E+09	1,184802E+09	1,184813E+09	1,182631E+09	1,149755E+09
-1712	1,069158E+09	9,624345E+08	8,840362E+08	8,840501E+08	9,624681E+08	1,069196E+09	1,149783E+09	1,182634E+09	1,184802E+09	1,184804E+09	1,182633E+09	1,149781E+09
-1711	1,069205E+09	9,624960E+08	8,840916E+08	8,840884E+08	9,624924E+08	1,069202E+09	1,149775E+09	1,182622E+09	1,184793E+09	1,184802E+09	1,182648E+09	1,149812E+09
-1710	1,069228E+09	9,625023E+08	8,840943E+08	8,840866E+08	9,624837E+08	1,069201E+09	1,149785E+09	1,182636E+09	1,184801E+09	1,184789E+09	1,182605E+09	1,149753E+09
-1709	1,069175E+09	9,624674E+08	8,840847E+08	8,840904E+08	9,624833E+08	1,069191E+09	1,149776E+09	1,182636E+09	1,184813E+09	1,184810E+09	1,182631E+09	1,149784E+09
-1708	1,069229E+09	9,625305E+08	8,841284E+08	8,841215E+08	9,625111E+08	1,069211E+09	1,149783E+09	1,182628E+09	1,184800E+09	1,184808E+09	1,182638E+09	1,149775E+09
-1707	1,069186E+09	9,624806E+08	8,840919E+08	8,840950E+08	9,624964E+08	1,069212E+09	1,149792E+09	1,182639E+09	1,184804E+09	1,184795E+09	1,182613E+09	1,149751E+09
-1706	1,069166E+09	9,624647E+08	8,840882E+08	8,840960E+08	9,624927E+08	1,069202E+09	1,149779E+09	1,182631E+09	1,184806E+09	1,184810E+09	1,182644E+09	1,149806E+09
-1705	1,069237E+09	9,625074E+08	8,840906E+08	8,840911E+08	9,624969E+08	1,069212E+09	1,149786E+09	1,182630E+09	1,184801E+09	1,184806E+09	1,182628E+09	1,149760E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1704	1,069170E+09	9,624513E+08	8,840437E+08	8,840443E+08	9,624581E+08	1,069194E+09	1,149792E+09	1,182647E+09	1,184809E+09	1,184796E+09	1,182617E+09	1,149763E+09
-1703	1,069184E+09	9,624779E+08	8,840768E+08	8,840683E+08	9,624644E+08	1,069179E+09	1,149767E+09	1,182626E+09	1,184801E+09	1,184804E+09	1,182642E+09	1,149802E+09
-1702	1,069216E+09	9,624811E+08	8,840679E+08	8,840630E+08	9,624635E+08	1,069182E+09	1,149768E+09	1,182623E+09	1,184796E+09	1,184796E+09	1,182617E+09	1,149751E+09
-1701	1,069153E+09	9,624216E+08	8,840208E+08	8,840347E+08	9,624518E+08	1,069179E+09	1,149766E+09	1,182617E+09	1,184790E+09	1,184798E+09	1,182633E+09	1,149781E+09
-1700	1,069204E+09	9,624823E+08	8,840612E+08	8,840555E+08	9,624697E+08	1,069197E+09	1,149778E+09	1,182613E+09	1,184773E+09	1,184784E+09	1,182636E+09	1,149790E+09
-1699	1,069190E+09	9,624535E+08	8,840378E+08	8,840351E+08	9,624538E+08	1,069196E+09	1,149792E+09	1,182635E+09	1,184786E+09	1,184769E+09	1,182593E+09	1,149743E+09
-1698	1,069156E+09	9,624317E+08	8,840339E+08	8,840384E+08	9,624473E+08	1,069177E+09	1,149773E+09	1,182632E+09	1,184801E+09	1,184794E+09	1,182620E+09	1,149780E+09
-1697	1,069219E+09	9,624952E+08	8,840721E+08	8,840682E+08	9,624749E+08	1,069194E+09	1,149776E+09	1,182626E+09	1,184801E+09	1,184807E+09	1,182626E+09	1,149753E+09
-1696	1,069159E+09	9,624425E+08	8,840399E+08	8,840455E+08	9,624613E+08	1,069193E+09	1,149787E+09	1,182642E+09	1,184808E+09	1,184800E+09	1,182619E+09	1,149753E+09
-1695	1,069162E+09	9,624587E+08	8,840747E+08	8,840802E+08	9,624799E+08	1,069190E+09	1,149769E+09	1,182622E+09	1,184800E+09	1,184810E+09	1,182650E+09	1,149810E+09
-1694	1,069228E+09	9,624992E+08	8,840951E+08	8,840980E+08	9,624973E+08	1,069207E+09	1,149781E+09	1,182625E+09	1,184797E+09	1,184801E+09	1,182629E+09	1,149768E+09
-1693	1,069177E+09	9,624568E+08	8,840615E+08	8,840733E+08	9,624810E+08	1,069199E+09	1,149782E+09	1,182634E+09	1,184804E+09	1,184801E+09	1,182626E+09	1,149778E+09
-1692	1,069220E+09	9,625283E+08	8,841282E+08	8,841145E+08	9,625003E+08	1,069204E+09	1,149782E+09	1,182628E+09	1,184799E+09	1,184801E+09	1,182637E+09	1,149795E+09
-1691	1,069223E+09	9,625211E+08	8,841322E+08	8,841266E+08	9,625070E+08	1,069206E+09	1,149784E+09	1,182639E+09	1,184811E+09	1,184798E+09	1,182605E+09	1,149741E+09
-1690	1,069169E+09	9,624804E+08	8,841113E+08	8,841215E+08	9,625040E+08	1,069194E+09	1,149765E+09	1,182626E+09	1,184811E+09	1,184813E+09	1,182633E+09	1,149782E+09
-1689	1,069227E+09	9,625400E+08	8,841485E+08	8,841475E+08	9,625330E+08	1,069221E+09	1,149777E+09	1,182618E+09	1,184800E+09	1,184814E+09	1,182643E+09	1,149779E+09
-1688	1,069189E+09	9,624867E+08	8,841025E+08	8,841079E+08	9,625063E+08	1,069220E+09	1,149799E+09	1,182645E+09	1,184806E+09	1,184794E+09	1,182613E+09	1,149756E+09
-1687	1,069179E+09	9,624811E+08	8,841025E+08	8,841090E+08	9,624980E+08	1,069199E+09	1,149777E+09	1,182632E+09	1,184806E+09	1,184804E+09	1,182633E+09	1,149798E+09
-1686	1,069241E+09	9,625316E+08	8,841230E+08	8,841164E+08	9,625044E+08	1,069205E+09	1,149779E+09	1,182630E+09	1,184804E+09	1,184803E+09	1,182625E+09	1,149761E+09
-1685	1,069174E+09	9,624648E+08	8,840676E+08	8,840697E+08	9,624703E+08	1,069187E+09	1,149775E+09	1,182636E+09	1,184810E+09	1,184802E+09	1,182620E+09	1,149761E+09
-1684	1,069188E+09	9,624960E+08	8,841032E+08	8,840938E+08	9,624807E+08	1,069186E+09	1,149767E+09	1,182619E+09	1,184794E+09	1,184802E+09	1,182641E+09	1,149798E+09
-1683	1,069212E+09	9,624895E+08	8,840912E+08	8,840936E+08	9,624887E+08	1,069198E+09	1,149775E+09	1,182623E+09	1,184792E+09	1,184791E+09	1,182613E+09	1,149749E+09
-1682	1,069157E+09	9,624355E+08	8,840390E+08	8,840557E+08	9,624672E+08	1,069186E+09	1,149769E+09	1,182619E+09	1,184788E+09	1,184789E+09	1,182623E+09	1,149776E+09
-1681	1,069210E+09	9,625024E+08	8,840858E+08	8,840783E+08	9,624848E+08	1,069203E+09	1,149778E+09	1,182617E+09	1,184785E+09	1,184791E+09	1,182630E+09	1,149779E+09
-1680	1,069188E+09	9,624675E+08	8,840611E+08	8,840563E+08	9,624636E+08	1,069198E+09	1,149796E+09	1,182646E+09	1,184803E+09	1,184783E+09	1,182596E+09	1,149737E+09
-1679	1,069155E+09	9,624446E+08	8,840584E+08	8,840695E+08	9,624663E+08	1,069175E+09	1,149764E+09	1,182628E+09	1,184807E+09	1,184804E+09	1,182626E+09	1,149779E+09
-1678	1,069217E+09	9,625095E+08	8,841026E+08	8,841038E+08	9,625000E+08	1,069200E+09	1,149768E+09	1,182617E+09	1,184798E+09	1,184808E+09	1,182639E+09	1,149771E+09
-1677	1,069169E+09	9,624524E+08	8,840580E+08	8,840692E+08	9,624795E+08	1,069199E+09	1,149781E+09	1,182632E+09	1,184802E+09	1,184800E+09	1,182625E+09	1,149766E+09
-1676	1,069185E+09	9,624882E+08	8,841032E+08	8,841010E+08	9,624897E+08	1,069197E+09	1,149777E+09	1,182624E+09	1,184794E+09	1,184798E+09	1,182639E+09	1,149807E+09
-1675	1,069239E+09	9,625277E+08	8,841310E+08	8,841283E+08	9,625121E+08	1,069211E+09	1,149783E+09	1,182632E+09	1,184801E+09	1,184795E+09	1,182613E+09	1,149755E+09
-1674	1,069183E+09	9,624875E+08	8,841012E+08	8,841068E+08	9,624946E+08	1,069194E+09	1,149772E+09	1,182631E+09	1,184808E+09	1,184800E+09	1,182615E+09	1,149764E+09
-1673	1,069218E+09	9,625511E+08	8,841678E+08	8,841562E+08	9,625269E+08	1,069207E+09	1,149767E+09	1,182619E+09	1,184806E+09	1,184813E+09	1,182637E+09	1,149784E+09
-1672	1,069213E+09	9,625270E+08	8,841544E+08	8,841565E+08	9,625332E+08	1,069220E+09	1,149787E+09	1,182639E+09	1,184814E+09	1,184806E+09	1,182612E+09	1,149744E+09
-1671	1,069170E+09	9,624862E+08	8,841269E+08	8,841474E+08	9,625275E+08	1,069206E+09	1,149769E+09	1,182625E+09	1,184809E+09	1,184811E+09	1,182633E+09	1,149784E+09
-1670	1,069231E+09	9,625530E+08	8,841694E+08	8,841698E+08	9,625490E+08	1,069229E+09	1,149783E+09	1,182624E+09	1,184800E+09	1,184807E+09	1,182642E+09	1,149789E+09
-1669	1,069201E+09	9,625013E+08	8,841178E+08	8,841193E+08	9,625095E+08	1,069215E+09	1,149795E+09	1,182648E+09	1,184815E+09	1,184800E+09	1,182611E+09	1,149756E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1668	1,069190E+09	9,625073E+08	8,841317E+08	8,841254E+08	9,624970E+08	1,069192E+09	1,149776E+09	1,182634E+09	1,184811E+09	1,184808E+09	1,182630E+09	1,149788E+09
-1667	1,069236E+09	9,625449E+08	8,841534E+08	8,841486E+08	9,625217E+08	1,069204E+09	1,149769E+09	1,182625E+09	1,184808E+09	1,184811E+09	1,182627E+09	1,149757E+09
-1666	1,069172E+09	9,624780E+08	8,840903E+08	8,840960E+08	9,624897E+08	1,069189E+09	1,149761E+09	1,182618E+09	1,184799E+09	1,184800E+09	1,182621E+09	1,149764E+09
-1665	1,069193E+09	9,625085E+08	8,841241E+08	8,841190E+08	9,625035E+08	1,069197E+09	1,149761E+09	1,182606E+09	1,184788E+09	1,184799E+09	1,182637E+09	1,149798E+09
-1664	1,069217E+09	9,624996E+08	8,841052E+08	8,841098E+08	9,625040E+08	1,069210E+09	1,149786E+09	1,182630E+09	1,184793E+09	1,184785E+09	1,182605E+09	1,149748E+09
-1663	1,069167E+09	9,624532E+08	8,840598E+08	8,840766E+08	9,624792E+08	1,069188E+09	1,149771E+09	1,182625E+09	1,184793E+09	1,184785E+09	1,182609E+09	1,149764E+09
-1662	1,069206E+09	9,625210E+08	8,841198E+08	8,841100E+08	9,625011E+08	1,069204E+09	1,149776E+09	1,182623E+09	1,184794E+09	1,184795E+09	1,182629E+09	1,149779E+09
-1661	1,069187E+09	9,624781E+08	8,840847E+08	8,840836E+08	9,624812E+08	1,069198E+09	1,149786E+09	1,182643E+09	1,184812E+09	1,184799E+09	1,182606E+09	1,149741E+09
-1660	1,069160E+09	9,624623E+08	8,840844E+08	8,840920E+08	9,624814E+08	1,069185E+09	1,149768E+09	1,182625E+09	1,184805E+09	1,184808E+09	1,182632E+09	1,149782E+09
-1659	1,069219E+09	9,625228E+08	8,841296E+08	8,841341E+08	9,625225E+08	1,069212E+09	1,149773E+09	1,182619E+09	1,184798E+09	1,184808E+09	1,182638E+09	1,149776E+09
-1658	1,069185E+09	9,624783E+08	8,840847E+08	8,840925E+08	9,624925E+08	1,069199E+09	1,149775E+09	1,182627E+09	1,184799E+09	1,184793E+09	1,182615E+09	1,149764E+09
-1657	1,069199E+09	9,625192E+08	8,841392E+08	8,841306E+08	9,625056E+08	1,069196E+09	1,149766E+09	1,182621E+09	1,184803E+09	1,184802E+09	1,182629E+09	1,149796E+09
-1656	1,069240E+09	9,625489E+08	8,841661E+08	8,841614E+08	9,625298E+08	1,069212E+09	1,149781E+09	1,182636E+09	1,184812E+09	1,184804E+09	1,182612E+09	1,149747E+09
-1655	1,069181E+09	9,625013E+08	8,841334E+08	8,841467E+08	9,625207E+08	1,069195E+09	1,149761E+09	1,182624E+09	1,184809E+09	1,184805E+09	1,182615E+09	1,149758E+09
-1654	1,069210E+09	9,625602E+08	8,841976E+08	8,841935E+08	9,625575E+08	1,069222E+09	1,149767E+09	1,182613E+09	1,184801E+09	1,184812E+09	1,182643E+09	1,149795E+09
-1653	1,069218E+09	9,625329E+08	8,841681E+08	8,841749E+08	9,625500E+08	1,069230E+09	1,149789E+09	1,182636E+09	1,184813E+09	1,184808E+09	1,182615E+09	1,149752E+09
-1652	1,069186E+09	9,625083E+08	8,841468E+08	8,841571E+08	9,625316E+08	1,069214E+09	1,149781E+09	1,182631E+09	1,184808E+09	1,184805E+09	1,182624E+09	1,149780E+09
-1651	1,069237E+09	9,625726E+08	8,841969E+08	8,841913E+08	9,625577E+08	1,069229E+09	1,149783E+09	1,182631E+09	1,184810E+09	1,184809E+09	1,182632E+09	1,149779E+09
-1650	1,069208E+09	9,625247E+08	8,841474E+08	8,841433E+08	9,625165E+08	1,069204E+09	1,149778E+09	1,182639E+09	1,184818E+09	1,184805E+09	1,182607E+09	1,149749E+09
-1649	1,069191E+09	9,625252E+08	8,841633E+08	8,841584E+08	9,625183E+08	1,069190E+09	1,149755E+09	1,182620E+09	1,184814E+09	1,184817E+09	1,182633E+09	1,149785E+09
-1648	1,069231E+09	9,625501E+08	8,841721E+08	8,841728E+08	9,625437E+08	1,069217E+09	1,149771E+09	1,182620E+09	1,184804E+09	1,184812E+09	1,182631E+09	1,149761E+09
-1647	1,069176E+09	9,624846E+08	8,841073E+08	8,841206E+08	9,625109E+08	1,069201E+09	1,149766E+09	1,182615E+09	1,184791E+09	1,184790E+09	1,182613E+09	1,149762E+09
-1646	1,069197E+09	9,625222E+08	8,841457E+08	8,841414E+08	9,625223E+08	1,069211E+09	1,149771E+09	1,182614E+09	1,184786E+09	1,184788E+09	1,182628E+09	1,149799E+09
-1645	1,069224E+09	9,625136E+08	8,841225E+08	8,841224E+08	9,625105E+08	1,069212E+09	1,149788E+09	1,182638E+09	1,184806E+09	1,184793E+09	1,182600E+09	1,149741E+09
-1644	1,069173E+09	9,624764E+08	8,840897E+08	8,840946E+08	9,624836E+08	1,069187E+09	1,149774E+09	1,182632E+09	1,184805E+09	1,184796E+09	1,182609E+09	1,149755E+09
-1643	1,069199E+09	9,625295E+08	8,841480E+08	8,841419E+08	9,625205E+08	1,069205E+09	1,149768E+09	1,182622E+09	1,184803E+09	1,184808E+09	1,182634E+09	1,149778E+09
-1642	1,069190E+09	9,624912E+08	8,841070E+08	8,841084E+08	9,624978E+08	1,069198E+09	1,149772E+09	1,182627E+09	1,184806E+09	1,184802E+09	1,182613E+09	1,149750E+09
-1641	1,069172E+09	9,624824E+08	8,841130E+08	8,841198E+08	9,624997E+08	1,069188E+09	1,149756E+09	1,182613E+09	1,184801E+09	1,184806E+09	1,182629E+09	1,149786E+09
-1640	1,069232E+09	9,625430E+08	8,841551E+08	8,841556E+08	9,625355E+08	1,069218E+09	1,149776E+09	1,182621E+09	1,184798E+09	1,184803E+09	1,182630E+09	1,149774E+09
-1639	1,069197E+09	9,625052E+08	8,841223E+08	8,841266E+08	9,625097E+08	1,069199E+09	1,149769E+09	1,182624E+09	1,184799E+09	1,184788E+09	1,182600E+09	1,149750E+09
-1638	1,069199E+09	9,625440E+08	8,841832E+08	8,841744E+08	9,625329E+08	1,069202E+09	1,149761E+09	1,182618E+09	1,184802E+09	1,184801E+09	1,182625E+09	1,149790E+09
-1637	1,069238E+09	9,625610E+08	8,841948E+08	8,841962E+08	9,625576E+08	1,069222E+09	1,149777E+09	1,182631E+09	1,184817E+09	1,184814E+09	1,182617E+09	1,149746E+09
-1636	1,069183E+09	9,625170E+08	8,841611E+08	8,841721E+08	9,625426E+08	1,069215E+09	1,149774E+09	1,182625E+09	1,184808E+09	1,184806E+09	1,182617E+09	1,149758E+09
-1635	1,069208E+09	9,625650E+08	8,842192E+08	8,842211E+08	9,625802E+08	1,069238E+09	1,149779E+09	1,182623E+09	1,184807E+09	1,184813E+09	1,182640E+09	1,149795E+09
-1634	1,069231E+09	9,625521E+08	8,841868E+08	8,841900E+08	9,625578E+08	1,069231E+09	1,149788E+09	1,182638E+09	1,184818E+09	1,184810E+09	1,182612E+09	1,149752E+09
-1633	1,069198E+09	9,625340E+08	8,841764E+08	8,841771E+08	9,625372E+08	1,069206E+09	1,149768E+09	1,182631E+09	1,184822E+09	1,184815E+09	1,182621E+09	1,149773E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1632	1,069238E+09	9,625883E+08	8,842239E+08	8,842143E+08	9,625662E+08	1,069223E+09	1,149775E+09	1,182631E+09	1,184819E+09	1,184821E+09	1,182637E+09	1,149778E+09
-1631	1,069209E+09	9,625357E+08	8,841748E+08	8,841764E+08	9,625362E+08	1,069201E+09	1,149761E+09	1,182623E+09	1,184811E+09	1,184806E+09	1,182610E+09	1,149749E+09
-1630	1,069191E+09	9,625343E+08	8,841876E+08	8,841891E+08	9,625449E+08	1,069204E+09	1,149753E+09	1,182606E+09	1,184797E+09	1,184807E+09	1,182635E+09	1,149795E+09
-1629	1,069240E+09	9,625580E+08	8,841848E+08	8,841881E+08	9,625586E+08	1,069228E+09	1,149776E+09	1,182618E+09	1,184798E+09	1,184805E+09	1,182626E+09	1,149763E+09
-1628	1,069191E+09	9,625066E+08	8,841281E+08	8,841293E+08	9,625153E+08	1,069211E+09	1,149780E+09	1,182624E+09	1,184791E+09	1,184780E+09	1,182598E+09	1,149750E+09
-1627	1,069195E+09	9,625355E+08	8,841732E+08	8,841655E+08	9,625338E+08	1,069214E+09	1,149776E+09	1,182626E+09	1,184801E+09	1,184794E+09	1,182615E+09	1,149781E+09
-1626	1,069225E+09	9,625319E+08	8,841501E+08	8,841466E+08	9,625197E+08	1,069205E+09	1,149774E+09	1,182633E+09	1,184814E+09	1,184805E+09	1,182602E+09	1,149733E+09
-1625	1,069171E+09	9,624899E+08	8,841183E+08	8,841245E+08	9,625027E+08	1,069186E+09	1,149756E+09	1,182622E+09	1,184813E+09	1,184809E+09	1,182617E+09	1,149755E+09
-1624	1,069198E+09	9,625350E+08	8,841671E+08	8,841654E+08	9,625397E+08	1,069215E+09	1,149769E+09	1,182618E+09	1,184804E+09	1,184814E+09	1,182644E+09	1,149789E+09
-1623	1,069202E+09	9,625031E+08	8,841305E+08	8,841369E+08	9,625162E+08	1,069202E+09	1,149768E+09	1,182620E+09	1,184798E+09	1,184795E+09	1,182609E+09	1,149754E+09
-1622	1,069186E+09	9,625058E+08	8,841451E+08	8,841500E+08	9,625207E+08	1,069198E+09	1,149758E+09	1,182611E+09	1,184794E+09	1,184796E+09	1,182623E+09	1,149787E+09
-1621	1,069244E+09	9,625671E+08	8,841866E+08	8,841806E+08	9,625479E+08	1,069220E+09	1,149774E+09	1,182622E+09	1,184805E+09	1,184808E+09	1,182625E+09	1,149765E+09
-1620	1,069203E+09	9,625327E+08	8,841627E+08	8,841579E+08	9,625265E+08	1,069206E+09	1,149771E+09	1,182625E+09	1,184804E+09	1,184792E+09	1,182596E+09	1,149738E+09
-1619	1,069190E+09	9,625524E+08	8,842163E+08	8,842159E+08	9,625651E+08	1,069216E+09	1,149761E+09	1,182618E+09	1,184809E+09	1,184809E+09	1,182624E+09	1,149783E+09
-1618	1,069240E+09	9,625732E+08	8,842165E+08	8,842223E+08	9,625791E+08	1,069232E+09	1,149773E+09	1,182622E+09	1,184813E+09	1,184817E+09	1,182621E+09	1,149752E+09
-1617	1,069194E+09	9,625344E+08	8,841853E+08	8,841951E+08	9,625577E+08	1,069220E+09	1,149772E+09	1,182627E+09	1,184814E+09	1,184807E+09	1,182615E+09	1,149760E+09
-1616	1,069219E+09	9,625810E+08	8,842389E+08	8,842360E+08	9,625861E+08	1,069240E+09	1,149785E+09	1,182634E+09	1,184817E+09	1,184816E+09	1,182637E+09	1,149794E+09
-1615	1,069241E+09	9,625736E+08	8,842195E+08	8,842178E+08	9,625648E+08	1,069221E+09	1,149776E+09	1,182635E+09	1,184822E+09	1,184812E+09	1,182607E+09	1,149744E+09
-1614	1,069202E+09	9,625557E+08	8,842137E+08	8,842139E+08	9,625575E+08	1,069206E+09	1,149757E+09	1,182620E+09	1,184816E+09	1,184817E+09	1,182625E+09	1,149772E+09
-1613	1,069239E+09	9,625992E+08	8,842462E+08	8,842398E+08	9,625852E+08	1,069229E+09	1,149766E+09	1,182619E+09	1,184816E+09	1,184827E+09	1,182643E+09	1,149781E+09
-1612	1,069215E+09	9,625518E+08	8,841995E+08	8,841976E+08	9,625550E+08	1,069220E+09	1,149770E+09	1,182618E+09	1,184802E+09	1,184798E+09	1,182605E+09	1,149747E+09
-1611	1,069192E+09	9,625405E+08	8,842067E+08	8,842139E+08	9,625658E+08	1,069219E+09	1,149764E+09	1,182614E+09	1,184799E+09	1,184799E+09	1,182619E+09	1,149784E+09
-1610	1,069249E+09	9,625748E+08	8,842007E+08	8,842012E+08	9,625659E+08	1,069230E+09	1,149777E+09	1,182621E+09	1,184802E+09	1,184804E+09	1,182617E+09	1,149754E+09
-1609	1,069195E+09	9,625268E+08	8,841570E+08	8,841510E+08	9,625209E+08	1,069204E+09	1,149773E+09	1,182631E+09	1,184809E+09	1,184792E+09	1,182595E+09	1,149738E+09
-1608	1,069188E+09	9,625407E+08	8,841936E+08	8,841875E+08	9,625431E+08	1,069211E+09	1,149771E+09	1,182629E+09	1,184815E+09	1,184812E+09	1,182626E+09	1,149780E+09
-1607	1,069220E+09	9,625364E+08	8,841734E+08	8,841771E+08	9,625378E+08	1,069203E+09	1,149759E+09	1,182618E+09	1,184810E+09	1,184812E+09	1,182613E+09	1,149740E+09
-1606	1,069176E+09	9,625012E+08	8,841418E+08	8,841530E+08	9,625259E+08	1,069197E+09	1,149751E+09	1,182605E+09	1,184795E+09	1,184804E+09	1,182625E+09	1,149769E+09
-1605	1,069215E+09	9,625515E+08	8,841848E+08	8,841820E+08	9,625506E+08	1,069220E+09	1,149768E+09	1,182613E+09	1,184796E+09	1,184807E+09	1,182641E+09	1,149794E+09
-1604	1,069223E+09	9,625361E+08	8,841637E+08	8,841572E+08	9,625265E+08	1,069211E+09	1,149774E+09	1,182621E+09	1,184794E+09	1,184783E+09	1,182592E+09	1,149742E+09
-1603	1,069189E+09	9,625291E+08	8,841856E+08	8,841885E+08	9,625420E+08	1,069204E+09	1,149761E+09	1,182618E+09	1,184803E+09	1,184795E+09	1,182604E+09	1,149766E+09
-1602	1,069245E+09	9,625900E+08	8,842225E+08	8,842174E+08	9,625698E+08	1,069222E+09	1,149765E+09	1,182617E+09	1,184809E+09	1,184815E+09	1,182624E+09	1,149756E+09
-1601	1,069201E+09	9,625493E+08	8,841978E+08	8,841964E+08	9,625534E+08	1,069215E+09	1,149767E+09	1,182624E+09	1,184813E+09	1,184802E+09	1,182600E+09	1,149735E+09
-1600	1,069186E+09	9,625557E+08	8,842352E+08	8,842420E+08	9,625878E+08	1,069234E+09	1,149774E+09	1,182626E+09	1,184817E+09	1,184819E+09	1,182632E+09	1,149789E+09
-1599	1,069246E+09	9,625838E+08	8,842392E+08	8,842488E+08	9,625948E+08	1,069237E+09	1,149774E+09	1,182624E+09	1,184815E+09	1,184818E+09	1,182621E+09	1,149756E+09
-1598	1,069207E+09	9,625568E+08	8,842132E+08	8,842195E+08	9,625714E+08	1,069224E+09	1,149772E+09	1,182627E+09	1,184814E+09	1,184808E+09	1,182617E+09	1,149763E+09
-1597	1,069231E+09	9,626045E+08	8,842667E+08	8,842559E+08	9,625893E+08	1,069232E+09	1,149776E+09	1,182634E+09	1,184827E+09	1,184828E+09	1,182640E+09	1,149793E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1596	1,069250E+09	9,625991E+08	8,842540E+08	8,842447E+08	9,625768E+08	1,069220E+09	1,149766E+09	1,182626E+09	1,184819E+09	1,184814E+09	1,182607E+09	1,149738E+09
-1595	1,069197E+09	9,625642E+08	8,842422E+08	8,842508E+08	9,625855E+08	1,069216E+09	1,149751E+09	1,182610E+09	1,184811E+09	1,184815E+09	1,182621E+09	1,149769E+09
-1594	1,069245E+09	9,626122E+08	8,842643E+08	8,842614E+08	9,626027E+08	1,069237E+09	1,149762E+09	1,182604E+09	1,184801E+09	1,184818E+09	1,182640E+09	1,149782E+09
-1593	1,069223E+09	9,625679E+08	8,842206E+08	8,842178E+08	9,625672E+08	1,069224E+09	1,149771E+09	1,182622E+09	1,184802E+09	1,184789E+09	1,182593E+09	1,149739E+09
-1592	1,069194E+09	9,625507E+08	8,842216E+08	8,842279E+08	9,625737E+08	1,069225E+09	1,149774E+09	1,182628E+09	1,184811E+09	1,184802E+09	1,182612E+09	1,149773E+09
-1591	1,069246E+09	9,625870E+08	8,842273E+08	8,842272E+08	9,625735E+08	1,069223E+09	1,149768E+09	1,182621E+09	1,184809E+09	1,184809E+09	1,182613E+09	1,149744E+09
-1590	1,069192E+09	9,625393E+08	8,841842E+08	8,841824E+08	9,625405E+08	1,069207E+09	1,149765E+09	1,182622E+09	1,184806E+09	1,184800E+09	1,182607E+09	1,149741E+09
-1589	1,069189E+09	9,625481E+08	8,842094E+08	8,842069E+08	9,625562E+08	1,069214E+09	1,149765E+09	1,182622E+09	1,184814E+09	1,184821E+09	1,182640E+09	1,149790E+09
-1588	1,069231E+09	9,625531E+08	8,841946E+08	8,841953E+08	9,625524E+08	1,069217E+09	1,149765E+09	1,182613E+09	1,184801E+09	1,184805E+09	1,182613E+09	1,149745E+09
-1587	1,069185E+09	9,625164E+08	8,841665E+08	8,841815E+08	9,625471E+08	1,069210E+09	1,149759E+09	1,182609E+09	1,184794E+09	1,184794E+09	1,182609E+09	1,149763E+09
-1586	1,069232E+09	9,625802E+08	8,842122E+08	8,842032E+08	9,625603E+08	1,069221E+09	1,149765E+09	1,182611E+09	1,184797E+09	1,184804E+09	1,182630E+09	1,149785E+09
-1585	1,069231E+09	9,625663E+08	8,842057E+08	8,841929E+08	9,625404E+08	1,069206E+09	1,149767E+09	1,182627E+09	1,184808E+09	1,184789E+09	1,182586E+09	1,149727E+09
-1584	1,069183E+09	9,625408E+08	8,842160E+08	8,842246E+08	9,625647E+08	1,069209E+09	1,149760E+09	1,182624E+09	1,184816E+09	1,184810E+09	1,182611E+09	1,149759E+09
-1583	1,069236E+09	9,625964E+08	8,842525E+08	8,842565E+08	9,625962E+08	1,069229E+09	1,149758E+09	1,182608E+09	1,184808E+09	1,184821E+09	1,182631E+09	1,149760E+09
-1582	1,069205E+09	9,625621E+08	8,842237E+08	8,842287E+08	9,625794E+08	1,069230E+09	1,149771E+09	1,182618E+09	1,184803E+09	1,184802E+09	1,182610E+09	1,149746E+09
-1581	1,069200E+09	9,625718E+08	8,842511E+08	8,842563E+08	9,625948E+08	1,069237E+09	1,149777E+09	1,182630E+09	1,184820E+09	1,184821E+09	1,182635E+09	1,149794E+09
-1580	1,069264E+09	9,626153E+08	8,842704E+08	8,842676E+08	9,626023E+08	1,069240E+09	1,149775E+09	1,182626E+09	1,184817E+09	1,184814E+09	1,182614E+09	1,149750E+09
-1579	1,069212E+09	9,625813E+08	8,842520E+08	8,842562E+08	9,625892E+08	1,069223E+09	1,149764E+09	1,182626E+09	1,184819E+09	1,184810E+09	1,182605E+09	1,149750E+09
-1578	1,069236E+09	9,626266E+08	8,842977E+08	8,842880E+08	9,626071E+08	1,069228E+09	1,149758E+09	1,182617E+09	1,184822E+09	1,184831E+09	1,182643E+09	1,149790E+09
-1577	1,069251E+09	9,626165E+08	8,842863E+08	8,842808E+08	9,626012E+08	1,069226E+09	1,149760E+09	1,182619E+09	1,184817E+09	1,184812E+09	1,182607E+09	1,149737E+09
-1576	1,069194E+09	9,625674E+08	8,842572E+08	8,842741E+08	9,626067E+08	1,069233E+09	1,149763E+09	1,182616E+09	1,184811E+09	1,184812E+09	1,182619E+09	1,149767E+09
-1575	1,069245E+09	9,626197E+08	8,842827E+08	8,842833E+08	9,626169E+08	1,069245E+09	1,149767E+09	1,182609E+09	1,184800E+09	1,184810E+09	1,182631E+09	1,149777E+09
-1574	1,069229E+09	9,625855E+08	8,842425E+08	8,842373E+08	9,625793E+08	1,069231E+09	1,149777E+09	1,182625E+09	1,184804E+09	1,184791E+09	1,182591E+09	1,149733E+09
-1573	1,069196E+09	9,625638E+08	8,842384E+08	8,842410E+08	9,625745E+08	1,069219E+09	1,149770E+09	1,182634E+09	1,184825E+09	1,184817E+09	1,182619E+09	1,149770E+09
-1572	1,069246E+09	9,626017E+08	8,842500E+08	8,842484E+08	9,625863E+08	1,069224E+09	1,149759E+09	1,182614E+09	1,184812E+09	1,184816E+09	1,182621E+09	1,149746E+09
-1571	1,069190E+09	9,625456E+08	8,842050E+08	8,842118E+08	9,625635E+08	1,069214E+09	1,149759E+09	1,182614E+09	1,184803E+09	1,184800E+09	1,182606E+09	1,149746E+09
-1570	1,069202E+09	9,625647E+08	8,842262E+08	8,842241E+08	9,625670E+08	1,069216E+09	1,149758E+09	1,182609E+09	1,184802E+09	1,184814E+09	1,182640E+09	1,149798E+09
-1569	1,069248E+09	9,625801E+08	8,842236E+08	8,842190E+08	9,625616E+08	1,069214E+09	1,149763E+09	1,182617E+09	1,184801E+09	1,184794E+09	1,182600E+09	1,149739E+09
-1568	1,069192E+09	9,625380E+08	8,841951E+08	8,842072E+08	9,625602E+08	1,069214E+09	1,149764E+09	1,182620E+09	1,184804E+09	1,184795E+09	1,182599E+09	1,149748E+09
-1567	1,069228E+09	9,626005E+08	8,842524E+08	8,842428E+08	9,625790E+08	1,069219E+09	1,149756E+09	1,182608E+09	1,184801E+09	1,184807E+09	1,182624E+09	1,149773E+09
-1566	1,069227E+09	9,625826E+08	8,842409E+08	8,842359E+08	9,625731E+08	1,069218E+09	1,149763E+09	1,182618E+09	1,184806E+09	1,184798E+09	1,182595E+09	1,149726E+09
-1565	1,069181E+09	9,625500E+08	8,842361E+08	8,842514E+08	9,625870E+08	1,069222E+09	1,149763E+09	1,182625E+09	1,184823E+09	1,184822E+09	1,182624E+09	1,149768E+09
-1564	1,069242E+09	9,626112E+08	8,842738E+08	8,842793E+08	9,626165E+08	1,069245E+09	1,149766E+09	1,182610E+09	1,184806E+09	1,184818E+09	1,182631E+09	1,149765E+09
-1563	1,069214E+09	9,625780E+08	8,842483E+08	8,842565E+08	9,625991E+08	1,069240E+09	1,149777E+09	1,182626E+09	1,184811E+09	1,184800E+09	1,182599E+09	1,149744E+09
-1562	1,069218E+09	9,626016E+08	8,842797E+08	8,842758E+08	9,625990E+08	1,069229E+09	1,149768E+09	1,182627E+09	1,184825E+09	1,184825E+09	1,182633E+09	1,149791E+09
-1561	1,069272E+09	9,626455E+08	8,843113E+08	8,843008E+08	9,626111E+08	1,069227E+09	1,149761E+09	1,182626E+09	1,184826E+09	1,184820E+09	1,182611E+09	1,149742E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1560	1,069209E+09	9,625944E+08	8,842811E+08	8,842908E+08	9,626127E+08	1,069227E+09	1,149757E+09	1,182621E+09	1,184823E+09	1,184818E+09	1,182610E+09	1,149748E+09
-1559	1,069231E+09	9,626353E+08	8,843255E+08	8,843221E+08	9,626316E+08	1,069235E+09	1,149748E+09	1,182601E+09	1,184809E+09	1,184824E+09	1,182641E+09	1,149793E+09
-1558	1,069258E+09	9,626292E+08	8,843076E+08	8,843083E+08	9,626262E+08	1,069242E+09	1,149765E+09	1,182610E+09	1,184801E+09	1,184802E+09	1,182604E+09	1,149740E+09
-1557	1,069204E+09	9,625821E+08	8,842699E+08	8,842845E+08	9,626127E+08	1,069237E+09	1,149772E+09	1,182626E+09	1,184817E+09	1,184810E+09	1,182612E+09	1,149763E+09
-1556	1,069250E+09	9,626407E+08	8,843057E+08	8,842983E+08	9,626242E+08	1,069248E+09	1,149770E+09	1,182616E+09	1,184808E+09	1,184808E+09	1,182619E+09	1,149765E+09
-1555	1,069225E+09	9,625994E+08	8,842711E+08	8,842671E+08	9,625955E+08	1,069231E+09	1,149774E+09	1,182631E+09	1,184817E+09	1,184799E+09	1,182584E+09	1,149724E+09
-1554	1,069197E+09	9,625777E+08	8,842583E+08	8,842615E+08	9,625860E+08	1,069214E+09	1,149756E+09	1,182622E+09	1,184826E+09	1,184828E+09	1,182629E+09	1,149774E+09
-1553	1,069248E+09	9,626161E+08	8,842750E+08	8,842739E+08	9,626008E+08	1,069224E+09	1,149754E+09	1,182612E+09	1,184812E+09	1,184818E+09	1,182625E+09	1,149752E+09
-1552	1,069194E+09	9,625537E+08	8,842208E+08	8,842330E+08	9,625811E+08	1,069224E+09	1,149764E+09	1,182617E+09	1,184804E+09	1,184799E+09	1,182605E+09	1,149748E+09
-1551	1,069208E+09	9,625815E+08	8,842524E+08	8,842493E+08	9,625812E+08	1,069217E+09	1,149754E+09	1,182606E+09	1,184799E+09	1,184805E+09	1,182629E+09	1,149795E+09
-1550	1,069259E+09	9,626068E+08	8,842578E+08	8,842501E+08	9,625805E+08	1,069220E+09	1,149762E+09	1,182613E+09	1,184799E+09	1,184795E+09	1,182597E+09	1,149732E+09
-1549	1,069193E+09	9,625568E+08	8,842234E+08	8,842336E+08	9,625719E+08	1,069212E+09	1,149760E+09	1,182623E+09	1,184816E+09	1,184808E+09	1,182603E+09	1,149742E+09
-1548	1,069222E+09	9,626143E+08	8,842812E+08	8,842760E+08	9,626064E+08	1,069230E+09	1,149752E+09	1,182603E+09	1,184803E+09	1,184812E+09	1,182626E+09	1,149771E+09
-1547	1,069223E+09	9,625912E+08	8,842664E+08	8,842709E+08	9,626043E+08	1,069235E+09	1,149766E+09	1,182615E+09	1,184806E+09	1,184798E+09	1,182592E+09	1,149730E+09
-1546	1,069194E+09	9,625665E+08	8,842527E+08	8,842679E+08	9,625989E+08	1,069226E+09	1,149762E+09	1,182619E+09	1,184818E+09	1,184819E+09	1,182625E+09	1,149776E+09
-1545	1,069259E+09	9,626385E+08	8,843043E+08	8,843029E+08	9,626243E+08	1,069240E+09	1,149765E+09	1,182620E+09	1,184813E+09	1,184813E+09	1,182622E+09	1,149763E+09
-1544	1,069223E+09	9,626018E+08	8,842801E+08	8,842836E+08	9,626105E+08	1,069237E+09	1,149775E+09	1,182633E+09	1,184823E+09	1,184806E+09	1,182594E+09	1,149735E+09
-1543	1,069218E+09	9,626246E+08	8,843221E+08	8,843151E+08	9,626162E+08	1,069222E+09	1,149750E+09	1,182615E+09	1,184824E+09	1,184828E+09	1,182631E+09	1,149786E+09
-1542	1,069274E+09	9,626657E+08	8,843480E+08	8,843423E+08	9,626422E+08	1,069238E+09	1,149753E+09	1,182608E+09	1,184816E+09	1,184824E+09	1,182618E+09	1,149742E+09
-1541	1,069210E+09	9,626060E+08	8,843023E+08	8,843156E+08	9,626336E+08	1,069240E+09	1,149762E+09	1,182619E+09	1,184822E+09	1,184819E+09	1,182613E+09	1,149752E+09
-1540	1,069235E+09	9,626479E+08	8,843444E+08	8,843442E+08	9,626548E+08	1,069254E+09	1,149758E+09	1,182604E+09	1,184805E+09	1,184814E+09	1,182629E+09	1,149790E+09
-1539	1,069263E+09	9,626430E+08	8,843280E+08	8,843311E+08	9,626459E+08	1,069255E+09	1,149776E+09	1,182623E+09	1,184811E+09	1,184798E+09	1,182587E+09	1,149730E+09
-1538	1,069214E+09	9,626028E+08	8,842899E+08	8,842962E+08	9,626140E+08	1,069231E+09	1,149767E+09	1,182631E+09	1,184828E+09	1,184820E+09	1,182612E+09	1,149757E+09
-1537	1,069250E+09	9,626575E+08	8,843357E+08	8,843234E+08	9,626292E+08	1,069235E+09	1,149760E+09	1,182623E+09	1,184822E+09	1,184820E+09	1,182622E+09	1,149760E+09
-1536	1,069218E+09	9,626027E+08	8,842897E+08	8,842921E+08	9,626131E+08	1,069233E+09	1,149766E+09	1,182627E+09	1,184825E+09	1,184814E+09	1,182597E+09	1,149728E+09
-1535	1,069194E+09	9,625847E+08	8,842805E+08	8,842855E+08	9,626018E+08	1,069215E+09	1,149743E+09	1,182604E+09	1,184814E+09	1,184824E+09	1,182633E+09	1,149785E+09
-1534	1,069262E+09	9,626319E+08	8,842953E+08	8,842951E+08	9,626183E+08	1,069233E+09	1,149752E+09	1,182598E+09	1,184796E+09	1,184810E+09	1,182623E+09	1,149757E+09
-1533	1,069209E+09	9,625756E+08	8,842413E+08	8,842471E+08	9,625881E+08	1,069226E+09	1,149767E+09	1,182621E+09	1,184807E+09	1,184795E+09	1,182596E+09	1,149744E+09
-1532	1,069217E+09	9,626070E+08	8,842834E+08	8,842750E+08	9,625976E+08	1,069221E+09	1,149750E+09	1,182604E+09	1,184799E+09	1,184798E+09	1,182612E+09	1,149779E+09
-1531	1,069255E+09	9,626232E+08	8,842926E+08	8,842898E+08	9,626093E+08	1,069229E+09	1,149760E+09	1,182614E+09	1,184806E+09	1,184797E+09	1,182585E+09	1,149720E+09
-1530	1,069194E+09	9,625712E+08	8,842492E+08	8,842616E+08	9,625931E+08	1,069218E+09	1,149754E+09	1,182617E+09	1,184818E+09	1,184816E+09	1,182611E+09	1,149744E+09
-1529	1,069221E+09	9,626252E+08	8,843081E+08	8,843046E+08	9,626243E+08	1,069237E+09	1,149757E+09	1,182610E+09	1,184808E+09	1,184813E+09	1,182627E+09	1,149774E+09
-1528	1,069226E+09	9,625998E+08	8,842845E+08	8,842935E+08	9,626233E+08	1,069248E+09	1,149776E+09	1,182626E+09	1,184816E+09	1,184804E+09	1,182593E+09	1,149732E+09
-1527	1,069202E+09	9,625886E+08	8,842832E+08	8,842906E+08	9,626084E+08	1,069224E+09	1,149755E+09	1,182618E+09	1,184821E+09	1,184819E+09	1,182620E+09	1,149776E+09
-1526	1,069273E+09	9,626685E+08	8,843427E+08	8,843335E+08	9,626382E+08	1,069239E+09	1,149757E+09	1,182611E+09	1,184815E+09	1,184822E+09	1,182623E+09	1,149759E+09
-1525	1,069229E+09	9,626253E+08	8,843153E+08	8,843152E+08	9,626242E+08	1,069231E+09	1,149763E+09	1,182629E+09	1,184831E+09	1,184819E+09	1,182600E+09	1,149735E+09

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1524	1,069219E+09	9,626414E+08	8,843535E+08	8,843525E+08	9,626478E+08	1,069232E+09	1,149739E+09	1,182600E+09	1,184816E+09	1,184825E+09	1,182629E+09	1,149785E+09
-1523	1,069276E+09	9,626776E+08	8,843756E+08	8,843785E+08	9,626757E+08	1,069258E+09	1,149758E+09	1,182603E+09	1,184808E+09	1,184814E+09	1,182608E+09	1,149743E+09
-1522	1,069223E+09	9,626233E+08	8,843214E+08	8,843321E+08	9,626460E+08	1,069248E+09	1,149766E+09	1,182618E+09	1,184818E+09	1,184814E+09	1,182608E+09	1,149751E+09
-1521	1,069243E+09	9,626683E+08	8,843723E+08	8,843646E+08	9,626610E+08	1,069253E+09	1,149766E+09	1,182621E+09	1,184816E+09	1,184811E+09	1,182616E+09	1,149778E+09
-1520	1,069262E+09	9,626567E+08	8,843528E+08	8,843536E+08	9,626571E+08	1,069257E+09	1,149777E+09	1,182634E+09	1,184830E+09	1,184812E+09	1,182585E+09	1,149718E+09
-1519	1,069205E+09	9,626144E+08	8,843194E+08	8,843233E+08	9,626263E+08	1,069225E+09	1,149751E+09	1,182621E+09	1,184832E+09	1,184830E+09	1,182618E+09	1,149758E+09
-1518	1,069252E+09	9,626682E+08	8,843596E+08	8,843512E+08	9,626516E+08	1,069242E+09	1,149751E+09	1,182605E+09	1,184815E+09	1,184830E+09	1,182636E+09	1,149769E+09
-1517	1,069224E+09	9,626105E+08	8,843038E+08	8,843067E+08	9,626235E+08	1,069238E+09	1,149765E+09	1,182622E+09	1,184822E+09	1,184815E+09	1,182604E+09	1,149739E+09
-1516	1,069206E+09	9,625977E+08	8,842970E+08	8,843046E+08	9,626205E+08	1,069226E+09	1,149743E+09	1,182598E+09	1,184804E+09	1,184811E+09	1,182621E+09	1,149784E+09
-1515	1,069273E+09	9,626530E+08	8,843218E+08	8,843192E+08	9,626365E+08	1,069243E+09	1,149757E+09	1,182602E+09	1,184797E+09	1,184799E+09	1,182602E+09	1,149746E+09
-1514	1,069219E+09	9,625999E+08	8,842698E+08	8,842656E+08	9,625937E+08	1,069223E+09	1,149761E+09	1,182620E+09	1,184812E+09	1,184800E+09	1,182591E+09	1,149733E+09
-1513	1,069213E+09	9,626231E+08	8,843184E+08	8,843087E+08	9,626127E+08	1,069218E+09	1,149747E+09	1,182612E+09	1,184810E+09	1,184805E+09	1,182608E+09	1,149768E+09
-1512	1,069246E+09	9,626267E+08	8,843146E+08	8,843207E+08	9,626360E+08	1,069241E+09	1,149760E+09	1,182614E+09	1,184815E+09	1,184809E+09	1,182592E+09	1,149720E+09
-1511	1,069189E+09	9,625793E+08	8,842736E+08	8,842861E+08	9,626106E+08	1,069224E+09	1,149749E+09	1,182607E+09	1,184812E+09	1,184816E+09	1,182615E+09	1,149754E+09
-1510	1,069236E+09	9,626427E+08	8,843320E+08	8,843271E+08	9,626402E+08	1,069245E+09	1,149758E+09	1,182603E+09	1,184803E+09	1,184814E+09	1,182628E+09	1,149778E+09
-1509	1,069242E+09	9,626246E+08	8,843117E+08	8,843113E+08	9,626274E+08	1,069244E+09	1,149775E+09	1,182632E+09	1,184826E+09	1,184810E+09	1,182591E+09	1,149730E+09
-1508	1,069212E+09	9,626169E+08	8,843214E+08	8,843247E+08	9,626280E+08	1,069223E+09	1,149743E+09	1,182611E+09	1,184822E+09	1,184819E+09	1,182611E+09	1,149767E+09
-1507	1,069276E+09	9,626914E+08	8,843842E+08	8,843781E+08	9,626695E+08	1,069247E+09	1,149749E+09	1,182604E+09	1,184816E+09	1,184822E+09	1,182616E+09	1,149753E+09
-1506	1,069235E+09	9,626448E+08	8,843474E+08	8,843480E+08	9,626489E+08	1,069241E+09	1,149756E+09	1,182617E+09	1,184826E+09	1,184822E+09	1,182606E+09	1,149738E+09
-1505	1,069222E+09	9,626555E+08	8,843838E+08	8,843854E+08	9,626697E+08	1,069244E+09	1,149749E+09	1,182608E+09	1,184815E+09	1,184819E+09	1,182621E+09	1,149781E+09
-1504	1,069278E+09	9,626857E+08	8,843941E+08	8,844027E+08	9,626985E+08	1,069276E+09	1,149772E+09	1,182617E+09	1,184819E+09	1,184817E+09	1,182603E+09	1,149737E+09
-1503	1,069225E+09	9,626413E+08	8,843489E+08	8,843509E+08	9,626540E+08	1,069249E+09	1,149766E+09	1,182623E+09	1,184825E+09	1,184817E+09	1,182604E+09	1,149747E+09
-1502	1,069248E+09	9,626851E+08	8,843995E+08	8,843869E+08	9,626698E+08	1,069251E+09	1,149760E+09	1,182617E+09	1,184825E+09	1,184827E+09	1,182621E+09	1,149771E+09
-1501	1,069260E+09	9,626673E+08	8,843746E+08	8,843739E+08	9,626644E+08	1,069250E+09	1,149767E+09	1,182632E+09	1,184841E+09	1,184831E+09	1,182601E+09	1,149724E+09
-1500	1,069208E+09	9,626228E+08	8,843373E+08	8,843477E+08	9,626478E+08	1,069229E+09	1,149736E+09	1,182601E+09	1,184821E+09	1,184828E+09	1,182621E+09	1,149764E+09
-1499	1,069260E+09	9,626786E+08	8,843775E+08	8,843735E+08	9,626714E+08	1,069253E+09	1,149750E+09	1,182594E+09	1,184801E+09	1,184815E+09	1,182627E+09	1,149775E+09
-1498	1,069244E+09	9,626311E+08	8,843227E+08	8,843192E+08	9,626286E+08	1,069238E+09	1,149762E+09	1,182616E+09	1,184811E+09	1,184804E+09	1,182595E+09	1,149738E+09
-1497	1,069218E+09	9,626225E+08	8,843288E+08	8,843268E+08	9,626246E+08	1,069223E+09	1,149747E+09	1,182609E+09	1,184806E+09	1,184800E+09	1,182600E+09	1,149765E+09
-1496	1,069271E+09	9,626686E+08	8,843522E+08	8,843493E+08	9,626542E+08	1,069248E+09	1,149759E+09	1,182609E+09	1,184811E+09	1,184808E+09	1,182595E+09	1,149727E+09
-1495	1,069208E+09	9,626135E+08	8,843041E+08	8,842986E+08	9,626133E+08	1,069225E+09	1,149751E+09	1,182612E+09	1,184814E+09	1,184807E+09	1,182594E+09	1,149728E+09
-1494	1,069209E+09	9,626298E+08	8,843429E+08	8,843396E+08	9,626391E+08	1,069233E+09	1,149746E+09	1,182601E+09	1,184810E+09	1,184818E+09	1,182618E+09	1,149769E+09
-1493	1,069247E+09	9,626331E+08	8,843313E+08	8,843401E+08	9,626504E+08	1,069251E+09	1,149766E+09	1,182620E+09	1,184822E+09	1,184819E+09	1,182603E+09	1,149730E+09
-1492	1,069202E+09	9,625939E+08	8,842929E+08	8,843092E+08	9,626302E+08	1,069232E+09	1,149749E+09	1,182606E+09	1,184812E+09	1,184812E+09	1,182608E+09	1,149755E+09
-1491	1,069252E+09	9,626692E+08	8,843640E+08	8,843545E+08	9,626560E+08	1,069250E+09	1,149758E+09	1,182607E+09	1,184809E+09	1,184812E+09	1,182618E+09	1,149775E+09
-1490	1,069258E+09	9,626547E+08	8,843497E+08	8,843395E+08	9,626350E+08	1,069235E+09	1,149762E+09	1,182626E+09	1,184830E+09	1,184820E+09	1,182596E+09	1,149727E+09
-1489	1,069216E+09	9,626399E+08	8,843644E+08	8,843668E+08	9,626482E+08	1,069222E+09	1,149737E+09	1,182609E+09	1,184823E+09	1,184822E+09	1,182609E+09	1,149760E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1488	1,069273E+09	9,627018E+08	8,844133E+08	8,844161E+08	9,627029E+08	1,069265E+09	1,149750E+09	1,182599E+09	1,184816E+09	1,184827E+09	1,182619E+09	1,149751E+09
-1487	1,069235E+09	9,626585E+08	8,843756E+08	8,843759E+08	9,626702E+08	1,069253E+09	1,149757E+09	1,182609E+09	1,184815E+09	1,184814E+09	1,182602E+09	1,149741E+09
-1486	1,069235E+09	9,626729E+08	8,844077E+08	8,844094E+08	9,626880E+08	1,069257E+09	1,149756E+09	1,182608E+09	1,184816E+09	1,184819E+09	1,182614E+09	1,149774E+09
-1485	1,069285E+09	9,627053E+08	8,844176E+08	8,844184E+08	9,627014E+08	1,069273E+09	1,149775E+09	1,182629E+09	1,184834E+09	1,184825E+09	1,182601E+09	1,149732E+09
-1484	1,069227E+09	9,626573E+08	8,843758E+08	8,843790E+08	9,626694E+08	1,069246E+09	1,149755E+09	1,182619E+09	1,184830E+09	1,184822E+09	1,182600E+09	1,149739E+09
-1483	1,069248E+09	9,626989E+08	8,844271E+08	8,844184E+08	9,626908E+08	1,069256E+09	1,149753E+09	1,182610E+09	1,184825E+09	1,184830E+09	1,182623E+09	1,149773E+09
-1482	1,069266E+09	9,626797E+08	8,843941E+08	8,843925E+08	9,626749E+08	1,069250E+09	1,149757E+09	1,182618E+09	1,184834E+09	1,184834E+09	1,182611E+09	1,149733E+09
-1481	1,069216E+09	9,626360E+08	8,843600E+08	8,843703E+08	9,626590E+08	1,069234E+09	1,149742E+09	1,182604E+09	1,184813E+09	1,184817E+09	1,182612E+09	1,149762E+09
-1480	1,069268E+09	9,626911E+08	8,843947E+08	8,843932E+08	9,626874E+08	1,069264E+09	1,149757E+09	1,182601E+09	1,184805E+09	1,184812E+09	1,182616E+09	1,149764E+09
-1479	1,069246E+09	9,626537E+08	8,843529E+08	8,843397E+08	9,626356E+08	1,069236E+09	1,149758E+09	1,182614E+09	1,184812E+09	1,184800E+09	1,182585E+09	1,149728E+09
-1478	1,069220E+09	9,626397E+08	8,843599E+08	8,843569E+08	9,626400E+08	1,069224E+09	1,149741E+09	1,182605E+09	1,184814E+09	1,184813E+09	1,182599E+09	1,149750E+09
-1477	1,069261E+09	9,626753E+08	8,843750E+08	8,843760E+08	9,626701E+08	1,069250E+09	1,149754E+09	1,182610E+09	1,184821E+09	1,184824E+09	1,182607E+09	1,149729E+09
-1476	1,069205E+09	9,626167E+08	8,843211E+08	8,843281E+08	9,626409E+08	1,069237E+09	1,149746E+09	1,182601E+09	1,184808E+09	1,184809E+09	1,182599E+09	1,149734E+09
-1475	1,069218E+09	9,626401E+08	8,843600E+08	8,843620E+08	9,626590E+08	1,069248E+09	1,149753E+09	1,182601E+09	1,184805E+09	1,184810E+09	1,182616E+09	1,149777E+09
-1474	1,069266E+09	9,626559E+08	8,843528E+08	8,843541E+08	9,626540E+08	1,069248E+09	1,149764E+09	1,182619E+09	1,184822E+09	1,184818E+09	1,182603E+09	1,149735E+09
-1473	1,069218E+09	9,626246E+08	8,843311E+08	8,843376E+08	9,626357E+08	1,069227E+09	1,149749E+09	1,182613E+09	1,184816E+09	1,184808E+09	1,182595E+09	1,149744E+09
-1472	1,069256E+09	9,626918E+08	8,844016E+08	8,843932E+08	9,626781E+08	1,069253E+09	1,149753E+09	1,182607E+09	1,184818E+09	1,184822E+09	1,182617E+09	1,149762E+09
-1471	1,069255E+09	9,626781E+08	8,843922E+08	8,843809E+08	9,626607E+08	1,069239E+09	1,149749E+09	1,182611E+09	1,184824E+09	1,184821E+09	1,182599E+09	1,149728E+09
-1470	1,069219E+09	9,626553E+08	8,843963E+08	8,844041E+08	9,626782E+08	1,069239E+09	1,149737E+09	1,182597E+09	1,184818E+09	1,184826E+09	1,182611E+09	1,149757E+09
-1469	1,069274E+09	9,627127E+08	8,844349E+08	8,844408E+08	9,627216E+08	1,069279E+09	1,149762E+09	1,182608E+09	1,184821E+09	1,184829E+09	1,182620E+09	1,149755E+09
-1468	1,069245E+09	9,626739E+08	8,843964E+08	8,844018E+08	9,626914E+08	1,069263E+09	1,149761E+09	1,182613E+09	1,184818E+09	1,184809E+09	1,182590E+09	1,149734E+09
-1467	1,069244E+09	9,626936E+08	8,844335E+08	8,844322E+08	9,627002E+08	1,069262E+09	1,149760E+09	1,182617E+09	1,184827E+09	1,184820E+09	1,182606E+09	1,149767E+09
-1466	1,069290E+09	9,627256E+08	8,844463E+08	8,844411E+08	9,627052E+08	1,069262E+09	1,149762E+09	1,182626E+09	1,184843E+09	1,184840E+09	1,182612E+09	1,149733E+09
-1465	1,069228E+09	9,626724E+08	8,844060E+08	8,844096E+08	9,626811E+08	1,069241E+09	1,149746E+09	1,182614E+09	1,184830E+09	1,184827E+09	1,182604E+09	1,149739E+09
-1464	1,069248E+09	9,627059E+08	8,844457E+08	8,844443E+08	9,627120E+08	1,069265E+09	1,149749E+09	1,182601E+09	1,184821E+09	1,184832E+09	1,182628E+09	1,149775E+09
-1463	1,069272E+09	9,626970E+08	8,844173E+08	8,844122E+08	9,626858E+08	1,069253E+09	1,149751E+09	1,182605E+09	1,184817E+09	1,184821E+09	1,182606E+09	1,149738E+09
-1462	1,069230E+09	9,626571E+08	8,843837E+08	8,843915E+08	9,626719E+08	1,069240E+09	1,149741E+09	1,182599E+09	1,184810E+09	1,184811E+09	1,182599E+09	1,149750E+09
-1461	1,069270E+09	9,627102E+08	8,844201E+08	8,844133E+08	9,626948E+08	1,069264E+09	1,149758E+09	1,182608E+09	1,184815E+09	1,184816E+09	1,182610E+09	1,149754E+09
-1460	1,069244E+09	9,626658E+08	8,843792E+08	8,843745E+08	9,626598E+08	1,069240E+09	1,149751E+09	1,182610E+09	1,184814E+09	1,184802E+09	1,182579E+09	1,149717E+09
-1459	1,069215E+09	9,626488E+08	8,843824E+08	8,843889E+08	9,626675E+08	1,069238E+09	1,149743E+09	1,182604E+09	1,184816E+09	1,184815E+09	1,182602E+09	1,149751E+09
-1458	1,069260E+09	9,626825E+08	8,843918E+08	8,843958E+08	9,626838E+08	1,069256E+09	1,149755E+09	1,182608E+09	1,184821E+09	1,184830E+09	1,182620E+09	1,149740E+09
-1457	1,069214E+09	9,626289E+08	8,843418E+08	8,843498E+08	9,626511E+08	1,069243E+09	1,149758E+09	1,182611E+09	1,184810E+09	1,184805E+09	1,182595E+09	1,149736E+09
-1456	1,069229E+09	9,626583E+08	8,843803E+08	8,843821E+08	9,626720E+08	1,069255E+09	1,149759E+09	1,182610E+09	1,184816E+09	1,184815E+09	1,182612E+09	1,149771E+09
-1455	1,069274E+09	9,626869E+08	8,843885E+08	8,843774E+08	9,626588E+08	1,069241E+09	1,149754E+09	1,182614E+09	1,184824E+09	1,184820E+09	1,182601E+09	1,149732E+09
-1454	1,069226E+09	9,626515E+08	8,843719E+08	8,843768E+08	9,626556E+08	1,069225E+09	1,149734E+09	1,182603E+09	1,184821E+09	1,184820E+09	1,182597E+09	1,149735E+09
-1453	1,069254E+09	9,627079E+08	8,844333E+08	8,844292E+08	9,627010E+08	1,069256E+09	1,149744E+09	1,182600E+09	1,184821E+09	1,184830E+09	1,182625E+09	1,149766E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1452	1,069256E+09	9,626876E+08	8,844171E+08	8,844199E+08	9,626949E+08	1,069254E+09	1,149745E+09	1,182598E+09	1,184811E+09	1,184812E+09	1,182594E+09	1,149730E+09
-1451	1,069229E+09	9,626726E+08	8,844204E+08	8,844333E+08	9,627030E+08	1,069258E+09	1,149749E+09	1,182601E+09	1,184812E+09	1,184812E+09	1,182601E+09	1,149757E+09
-1450	1,069284E+09	9,627346E+08	8,844599E+08	8,844589E+08	9,627270E+08	1,069278E+09	1,149764E+09	1,182615E+09	1,184828E+09	1,184829E+09	1,182616E+09	1,149752E+09
-1449	1,069252E+09	9,626990E+08	8,844315E+08	8,844293E+08	9,626977E+08	1,069260E+09	1,149765E+09	1,182625E+09	1,184830E+09	1,184812E+09	1,182581E+09	1,149721E+09
-1448	1,069241E+09	9,627094E+08	8,844624E+08	8,844641E+08	9,627192E+08	1,069263E+09	1,149754E+09	1,182619E+09	1,184840E+09	1,184836E+09	1,182611E+09	1,149757E+09
-1447	1,069284E+09	9,627425E+08	8,844759E+08	8,844699E+08	9,627226E+08	1,069262E+09	1,149748E+09	1,182610E+09	1,184837E+09	1,184844E+09	1,182621E+09	1,149741E+09
-1446	1,069235E+09	9,626857E+08	8,844299E+08	8,844383E+08	9,627032E+08	1,069250E+09	1,149739E+09	1,182601E+09	1,184824E+09	1,184828E+09	1,182607E+09	1,149742E+09
-1445	1,069254E+09	9,627167E+08	8,844617E+08	8,844624E+08	9,627248E+08	1,069271E+09	1,149753E+09	1,182604E+09	1,184821E+09	1,184829E+09	1,182627E+09	1,149781E+09
-1444	1,069283E+09	9,627117E+08	8,844361E+08	8,844365E+08	9,627049E+08	1,069259E+09	1,149751E+09	1,182603E+09	1,184813E+09	1,184810E+09	1,182590E+09	1,149729E+09
-1443	1,069238E+09	9,626790E+08	8,844101E+08	8,844150E+08	9,626854E+08	1,069246E+09	1,149747E+09	1,182605E+09	1,184815E+09	1,184807E+09	1,182588E+09	1,149738E+09
-1442	1,069265E+09	9,627241E+08	8,844459E+08	8,844370E+08	9,627037E+08	1,069258E+09	1,149751E+09	1,182609E+09	1,184824E+09	1,184827E+09	1,182617E+09	1,149751E+09
-1441	1,069240E+09	9,626753E+08	8,844030E+08	8,844022E+08	9,626769E+08	1,069246E+09	1,149752E+09	1,182610E+09	1,184817E+09	1,184806E+09	1,182581E+09	1,149716E+09
-1440	1,069213E+09	9,626519E+08	8,843934E+08	8,844091E+08	9,626882E+08	1,069252E+09	1,149749E+09	1,182605E+09	1,184819E+09	1,184821E+09	1,182608E+09	1,149754E+09
-1439	1,069267E+09	9,627006E+08	8,844115E+08	8,844109E+08	9,626907E+08	1,069257E+09	1,149752E+09	1,182603E+09	1,184814E+09	1,184823E+09	1,182619E+09	1,149750E+09
-1438	1,069232E+09	9,626557E+08	8,843698E+08	8,843711E+08	9,626588E+08	1,069239E+09	1,149749E+09	1,182607E+09	1,184814E+09	1,184806E+09	1,182586E+09	1,149728E+09
-1437	1,069235E+09	9,626841E+08	8,844144E+08	8,844086E+08	9,626791E+08	1,069246E+09	1,149750E+09	1,182612E+09	1,184826E+09	1,184823E+09	1,182612E+09	1,149766E+09
-1436	1,069277E+09	9,627075E+08	8,844260E+08	8,844226E+08	9,626877E+08	1,069241E+09	1,149737E+09	1,182600E+09	1,184819E+09	1,184820E+09	1,182595E+09	1,149724E+09
-1435	1,069228E+09	9,626710E+08	8,844058E+08	8,844174E+08	9,626889E+08	1,069242E+09	1,149734E+09	1,182596E+09	1,184814E+09	1,184814E+09	1,182595E+09	1,149735E+09
-1434	1,069253E+09	9,627211E+08	8,844603E+08	8,844596E+08	9,627236E+08	1,069268E+09	1,149747E+09	1,182599E+09	1,184818E+09	1,184829E+09	1,182627E+09	1,149772E+09
-1433	1,069265E+09	9,627047E+08	8,844437E+08	8,844486E+08	9,627143E+08	1,069268E+09	1,149761E+09	1,182610E+09	1,184815E+09	1,184806E+09	1,182582E+09	1,149723E+09
-1432	1,069235E+09	9,626909E+08	8,844429E+08	8,844566E+08	9,627211E+08	1,069269E+09	1,149759E+09	1,182616E+09	1,184829E+09	1,184821E+09	1,182596E+09	1,149745E+09
-1431	1,069284E+09	9,627601E+08	8,844944E+08	8,844837E+08	9,627335E+08	1,069272E+09	1,149756E+09	1,182614E+09	1,184835E+09	1,184838E+09	1,182619E+09	1,149750E+09
-1430	1,069255E+09	9,627187E+08	8,844659E+08	8,844639E+08	9,627148E+08	1,069254E+09	1,149747E+09	1,182616E+09	1,184840E+09	1,184830E+09	1,182589E+09	1,149719E+09
-1429	1,069238E+09	9,627198E+08	8,844859E+08	8,844912E+08	9,627371E+08	1,069264E+09	1,149743E+09	1,182609E+09	1,184842E+09	1,184847E+09	1,182626E+09	1,149770E+09
-1428	1,069291E+09	9,627508E+08	8,844942E+08	8,844987E+08	9,627478E+08	1,069270E+09	1,149740E+09	1,182593E+09	1,184820E+09	1,184833E+09	1,182617E+09	1,149748E+09
-1427	1,069251E+09	9,627065E+08	8,844511E+08	8,844594E+08	9,627210E+08	1,069263E+09	1,149747E+09	1,182600E+09	1,184812E+09	1,184808E+09	1,182593E+09	1,149743E+09
-1426	1,069264E+09	9,627392E+08	8,844860E+08	8,844786E+08	9,627290E+08	1,069268E+09	1,149752E+09	1,182607E+09	1,184823E+09	1,184822E+09	1,182615E+09	1,149774E+09
-1425	1,069287E+09	9,627329E+08	8,844681E+08	8,844634E+08	9,627156E+08	1,069261E+09	1,149756E+09	1,182611E+09	1,184821E+09	1,184808E+09	1,182576E+09	1,149711E+09
-1424	1,069230E+09	9,626899E+08	8,844344E+08	8,844448E+08	9,627084E+08	1,069255E+09	1,149748E+09	1,182610E+09	1,184828E+09	1,184821E+09	1,182591E+09	1,149725E+09
-1423	1,069253E+09	9,627328E+08	8,844671E+08	8,844589E+08	9,627195E+08	1,069263E+09	1,149745E+09	1,182600E+09	1,184822E+09	1,184833E+09	1,182624E+09	1,149758E+09
-1422	1,069243E+09	9,626840E+08	8,844214E+08	8,844242E+08	9,626945E+08	1,069253E+09	1,149749E+09	1,182608E+09	1,184823E+09	1,184814E+09	1,182584E+09	1,149720E+09
-1421	1,069220E+09	9,626632E+08	8,844075E+08	8,844217E+08	9,626952E+08	1,069253E+09	1,149749E+09	1,182610E+09	1,184827E+09	1,184825E+09	1,182611E+09	1,149761E+09
-1420	1,069279E+09	9,627179E+08	8,844330E+08	8,844335E+08	9,627032E+08	1,069254E+09	1,149743E+09	1,182598E+09	1,184813E+09	1,184819E+09	1,182609E+09	1,149747E+09
-1419	1,069244E+09	9,626845E+08	8,844061E+08	8,844023E+08	9,626741E+08	1,069239E+09	1,149743E+09	1,182605E+09	1,184814E+09	1,184803E+09	1,182582E+09	1,149723E+09
-1418	1,069235E+09	9,627042E+08	8,844506E+08	8,844434E+08	9,626957E+08	1,069240E+09	1,149734E+09	1,182602E+09	1,184827E+09	1,184830E+09	1,182617E+09	1,149768E+09
-1417	1,069279E+09	9,627232E+08	8,844591E+08	8,844605E+08	9,627163E+08	1,069255E+09	1,149739E+09	1,182592E+09	1,184813E+09	1,184816E+09	1,182591E+09	1,149722E+09

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												
-1416	1,069229E+09	9,626832E+08	8,844291E+08	8,844480E+08	9,627188E+08	1,069263E+09	1,149745E+09	1,182598E+09	1,184814E+09	1,184814E+09	1,182591E+09	1,149729E+09
-1415	1,069256E+09	9,627414E+08	8,844863E+08	8,844815E+08	9,627377E+08	1,069275E+09	1,149751E+09	1,182600E+09	1,184816E+09	1,184822E+09	1,182619E+09	1,149771E+09
-1414	1,069277E+09	9,627306E+08	8,844762E+08	8,844758E+08	9,627285E+08	1,069269E+09	1,149757E+09	1,182617E+09	1,184831E+09	1,184814E+09	1,182574E+09	1,149712E+09
-1413	1,069236E+09	9,627110E+08	8,844738E+08	8,844830E+08	9,627316E+08	1,069264E+09	1,149754E+09	1,182623E+09	1,184847E+09	1,184837E+09	1,182602E+09	1,149744E+09
-1412	1,069284E+09	9,627723E+08	8,845244E+08	8,845223E+08	9,627592E+08	1,069272E+09	1,149741E+09	1,182602E+09	1,184834E+09	1,184843E+09	1,182622E+09	1,149753E+09
-1411	1,069262E+09	9,627367E+08	8,844954E+08	8,844962E+08	9,627402E+08	1,069267E+09	1,149746E+09	1,182607E+09	1,184831E+09	1,184826E+09	1,182595E+09	1,149728E+09
-1410	1,069244E+09	9,627335E+08	8,845095E+08	8,845143E+08	9,627511E+08	1,069268E+09	1,149741E+09	1,182604E+09	1,184836E+09	1,184844E+09	1,182628E+09	1,149780E+09
-1409	1,069307E+09	9,627709E+08	8,845185E+08	8,845200E+08	9,627625E+08	1,069282E+09	1,149751E+09	1,182598E+09	1,184818E+09	1,184821E+09	1,182600E+09	1,149739E+09
-1408	1,069258E+09	9,627268E+08	8,844745E+08	8,844791E+08	9,627359E+08	1,069273E+09	1,149755E+09	1,182611E+09	1,184824E+09	1,184811E+09	1,182580E+09	1,149723E+09
-1407	1,069260E+09	9,627602E+08	8,845170E+08	8,845019E+08	9,627367E+08	1,069263E+09	1,149745E+09	1,182607E+09	1,184829E+09	1,184827E+09	1,182611E+09	1,149766E+09
-1406	1,069284E+09	9,627451E+08	8,844962E+08	8,844941E+08	9,627340E+08	1,069258E+09	1,149740E+09	1,182606E+09	1,184833E+09	1,184823E+09	1,182579E+09	1,149705E+09
-1405	1,069221E+09	9,626907E+08	8,844484E+08	8,844634E+08	9,627243E+08	1,069260E+09	1,149743E+09	1,182606E+09	1,184833E+09	1,184833E+09	1,182605E+09	1,149737E+09
-1404	1,069256E+09	9,627331E+08	8,844792E+08	8,844804E+08	9,627377E+08	1,069269E+09	1,149740E+09	1,182589E+09	1,184811E+09	1,184826E+09	1,182623E+09	1,149766E+09
-1403	1,069259E+09	9,627039E+08	8,844412E+08	8,844396E+08	9,627042E+08	1,069259E+09	1,149752E+09	1,182607E+09	1,184815E+09	1,184802E+09	1,182578E+09	1,149723E+09
-1402	1,069231E+09	9,626873E+08	8,844366E+08	8,844401E+08	9,626976E+08	1,069243E+09	1,149739E+09	1,182608E+09	1,184830E+09	1,184826E+09	1,182606E+09	1,149760E+09
-1401	1,069290E+09	9,627441E+08	8,844713E+08	8,844652E+08	9,627180E+08	1,069255E+09	1,149739E+09	1,182594E+09	1,184815E+09	1,184817E+09	1,182597E+09	1,149733E+09
-1400	1,069243E+09	9,627026E+08	8,844402E+08	8,844413E+08	9,627056E+08	1,069252E+09	1,149741E+09	1,182601E+09	1,184818E+09	1,184810E+09	1,182579E+09	1,149711E+09
-1399	1,069229E+09	9,627203E+08	8,844818E+08	8,844767E+08	9,627218E+08	1,069252E+09	1,149732E+09	1,182592E+09	1,184818E+09	1,184826E+09	1,182617E+09	1,149771E+09
-1398	1,069285E+09	9,627371E+08	8,844869E+08	8,844932E+08	9,627433E+08	1,069270E+09	1,149742E+09	1,182596E+09	1,184819E+09	1,184817E+09	1,182586E+09	1,149719E+09
-1397	1,069233E+09	9,626970E+08	8,844502E+08	8,844680E+08	9,627343E+08	1,069273E+09	1,149755E+09	1,182612E+09	1,184829E+09	1,184822E+09	1,182592E+09	1,149731E+09
-1396	1,069263E+09	9,627560E+08	8,845126E+08	8,845084E+08	9,627529E+08	1,069277E+09	1,149749E+09	1,182603E+09	1,184825E+09	1,184827E+09	1,182612E+09	1,149765E+09
-1395	1,069285E+09	9,627568E+08	8,845129E+08	8,845069E+08	9,627430E+08	1,069269E+09	1,149754E+09	1,182619E+09	1,184838E+09	1,184823E+09	1,182580E+09	1,149712E+09
-1394	1,069237E+09	9,627281E+08	8,845066E+08	8,845143E+08	9,627459E+08	1,069257E+09	1,149736E+09	1,182612E+09	1,184851E+09	1,184851E+09	1,182616E+09	1,149755E+09
-1393	1,069293E+09	9,627875E+08	8,845524E+08	8,845515E+08	9,627812E+08	1,069283E+09	1,149739E+09	1,182590E+09	1,184825E+09	1,184840E+09	1,182621E+09	1,149757E+09
-1392	1,069273E+09	9,627540E+08	8,845200E+08	8,845227E+08	9,627633E+08	1,069282E+09	1,149751E+09	1,182604E+09	1,184825E+09	1,184820E+09	1,182588E+09	1,149724E+09
-1391	1,069255E+09	9,627583E+08	8,845363E+08	8,845331E+08	9,627592E+08	1,069269E+09	1,149739E+09	1,182599E+09	1,184828E+09	1,184830E+09	1,182613E+09	1,149774E+09
-1390	1,069317E+09	9,627960E+08	8,845515E+08	8,845470E+08	9,627756E+08	1,069280E+09	1,149744E+09	1,182601E+09	1,184830E+09	1,184823E+09	1,182585E+09	1,149720E+09
-1389	1,069252E+09	9,627408E+08	8,845029E+08	8,845049E+08	9,627493E+08	1,069272E+09	1,149751E+09	1,182615E+09	1,184838E+09	1,184825E+09	1,182582E+09	1,149715E+09
-1388	1,069250E+09	9,627584E+08	8,845371E+08	8,845335E+08	9,627609E+08	1,069269E+09	1,149736E+09	1,182597E+09	1,184828E+09	1,184832E+09	1,182612E+09	1,149762E+09
-1387	1,069283E+09	9,627523E+08	8,845151E+08	8,845177E+08	9,627555E+08	1,069273E+09	1,149745E+09	1,182602E+09	1,184826E+09	1,184823E+09	1,182588E+09	1,149714E+09
-1386	1,069225E+09	9,626963E+08	8,844620E+08	8,844769E+08	9,627310E+08	1,069261E+09	1,149741E+09	1,182605E+09	1,184833E+09	1,184835E+09	1,182611E+09	1,149750E+09
-1385	1,069274E+09	9,627498E+08	8,844968E+08	8,844924E+08	9,627452E+08	1,069277E+09	1,149747E+09	1,182591E+09	1,184811E+09	1,184819E+09	1,182611E+09	1,149761E+09
-1384	1,069272E+09	9,627280E+08	8,844692E+08	8,844603E+08	9,627146E+08	1,069261E+09	1,149753E+09	1,182611E+09	1,184823E+09	1,184807E+09	1,182570E+09	1,149708E+09
-1383	1,069233E+09	9,627126E+08	8,844732E+08	8,844694E+08	9,627076E+08	1,069236E+09	1,149725E+09	1,182598E+09	1,184828E+09	1,184828E+09	1,182603E+09	1,149755E+09
-1382	1,069292E+09	9,627623E+08	8,845072E+08	8,845047E+08	9,627452E+08	1,069257E+09	1,149723E+09	1,182585E+09	1,184821E+09	1,184825E+09	1,182597E+09	1,149726E+09
-1381	1,069239E+09	9,627106E+08	8,844638E+08	8,844700E+08	9,627314E+08	1,069267E+09	1,149743E+09	1,182598E+09	1,184819E+09	1,184816E+09	1,182586E+09	1,149717E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1380	1,069234E+09	9,627248E+08	8,845020E+08	8,845062E+08	9,627462E+08	1,069267E+09	1,149737E+09	1,182589E+09	1,184811E+09	1,184817E+09	1,182607E+09	1,149770E+09
-1379	1,069298E+09	9,627613E+08	8,845155E+08	8,845170E+08	9,627585E+08	1,069280E+09	1,149752E+09	1,182604E+09	1,184820E+09	1,184812E+09	1,182581E+09	1,149716E+09
-1378	1,069239E+09	9,627201E+08	8,844844E+08	8,844922E+08	9,627390E+08	1,069266E+09	1,149750E+09	1,182618E+09	1,184844E+09	1,184833E+09	1,182594E+09	1,149731E+09
-1377	1,069273E+09	9,627795E+08	8,845494E+08	8,845404E+08	9,627694E+08	1,069280E+09	1,149745E+09	1,182601E+09	1,184832E+09	1,184836E+09	1,182611E+09	1,149757E+09
-1376	1,069287E+09	9,627755E+08	8,845464E+08	8,845432E+08	9,627702E+08	1,069278E+09	1,149748E+09	1,182612E+09	1,184843E+09	1,184835E+09	1,182586E+09	1,149708E+09
-1375	1,069241E+09	9,627474E+08	8,845380E+08	8,845455E+08	9,627665E+08	1,069263E+09	1,149728E+09	1,182598E+09	1,184840E+09	1,184847E+09	1,182619E+09	1,149764E+09
-1374	1,069307E+09	9,628074E+08	8,845815E+08	8,845823E+08	9,628024E+08	1,069288E+09	1,149734E+09	1,182588E+09	1,184827E+09	1,184835E+09	1,182612E+09	1,149753E+09
-1373	1,069280E+09	9,627705E+08	8,845427E+08	8,845433E+08	9,627777E+08	1,069290E+09	1,149757E+09	1,182611E+09	1,184832E+09	1,184821E+09	1,182582E+09	1,149719E+09
-1372	1,069258E+09	9,627707E+08	8,845639E+08	8,845620E+08	9,627744E+08	1,069271E+09	1,149737E+09	1,182599E+09	1,184829E+09	1,184828E+09	1,182600E+09	1,149759E+09
-1371	1,069316E+09	9,628139E+08	8,845826E+08	8,845766E+08	9,627916E+08	1,069284E+09	1,149742E+09	1,182601E+09	1,184831E+09	1,184829E+09	1,182590E+09	1,149715E+09
-1370	1,069243E+09	9,627454E+08	8,845242E+08	8,845290E+08	9,627629E+08	1,069272E+09	1,149741E+09	1,182609E+09	1,184843E+09	1,184838E+09	1,182597E+09	1,149724E+09
-1369	1,069255E+09	9,627625E+08	8,845493E+08	8,845490E+08	9,627775E+08	1,069284E+09	1,149740E+09	1,182590E+09	1,184821E+09	1,184830E+09	1,182613E+09	1,149765E+09
-1368	1,069292E+09	9,627634E+08	8,845290E+08	8,845320E+08	9,627679E+08	1,069283E+09	1,149752E+09	1,182605E+09	1,184825E+09	1,184820E+09	1,182583E+09	1,149712E+09
-1367	1,069239E+09	9,627202E+08	8,844845E+08	8,844904E+08	9,627318E+08	1,069254E+09	1,149734E+09	1,182601E+09	1,184827E+09	1,184826E+09	1,182601E+09	1,149748E+09
-1366	1,069288E+09	9,627774E+08	8,845312E+08	8,845196E+08	9,627532E+08	1,069266E+09	1,149732E+09	1,182591E+09	1,184821E+09	1,184822E+09	1,182600E+09	1,149747E+09
-1365	1,069270E+09	9,627457E+08	8,845022E+08	8,844925E+08	9,627325E+08	1,069263E+09	1,149745E+09	1,182608E+09	1,184830E+09	1,184818E+09	1,182574E+09	1,149703E+09
-1364	1,069228E+09	9,627187E+08	8,845025E+08	8,845088E+08	9,627368E+08	1,069246E+09	1,149719E+09	1,182585E+09	1,184820E+09	1,184826E+09	1,182600E+09	1,149748E+09
-1363	1,069293E+09	9,627766E+08	8,845353E+08	8,845370E+08	9,627731E+08	1,069278E+09	1,149734E+09	1,182583E+09	1,184812E+09	1,184821E+09	1,182601E+09	1,149730E+09
-1362	1,069242E+09	9,627212E+08	8,844858E+08	8,844934E+08	9,627463E+08	1,069275E+09	1,149750E+09	1,182606E+09	1,184826E+09	1,184819E+09	1,182588E+09	1,149724E+09
-1361	1,069248E+09	9,627419E+08	8,845225E+08	8,845240E+08	9,627604E+08	1,069280E+09	1,149748E+09	1,182599E+09	1,184821E+09	1,184818E+09	1,182597E+09	1,149760E+09
-1360	1,069306E+09	9,627859E+08	8,845492E+08	8,845449E+08	9,627720E+08	1,069283E+09	1,149755E+09	1,182614E+09	1,184837E+09	1,184827E+09	1,182580E+09	1,149705E+09
-1359	1,069243E+09	9,627447E+08	8,845220E+08	8,845247E+08	9,627490E+08	1,069254E+09	1,149731E+09	1,182608E+09	1,184846E+09	1,184843E+09	1,182601E+09	1,149733E+09
-1358	1,069279E+09	9,627988E+08	8,845847E+08	8,845793E+08	9,627926E+08	1,069277E+09	1,149725E+09	1,182589E+09	1,184837E+09	1,184845E+09	1,182618E+09	1,149759E+09
-1357	1,069291E+09	9,627893E+08	8,845726E+08	8,845730E+08	9,627935E+08	1,069289E+09	1,149745E+09	1,182602E+09	1,184836E+09	1,184836E+09	1,182593E+09	1,149718E+09
-1356	1,069250E+09	9,627596E+08	8,845623E+08	8,845747E+08	9,627869E+08	1,069273E+09	1,149728E+09	1,182588E+09	1,184824E+09	1,184830E+09	1,182605E+09	1,149759E+09
-1355	1,069321E+09	9,628351E+08	8,846130E+08	8,846082E+08	9,628184E+08	1,069298E+09	1,149741E+09	1,182590E+09	1,184820E+09	1,184824E+09	1,182602E+09	1,149744E+09
-1354	1,069282E+09	9,627902E+08	8,845746E+08	8,845700E+08	9,627863E+08	1,069286E+09	1,149753E+09	1,182616E+09	1,184842E+09	1,184826E+09	1,182577E+09	1,149712E+09
-1353	1,069259E+09	9,627834E+08	8,845886E+08	8,845890E+08	9,627945E+08	1,069282E+09	1,149738E+09	1,182599E+09	1,184835E+09	1,184833E+09	1,182596E+09	1,149745E+09
-1352	1,069309E+09	9,628223E+08	8,846052E+08	8,846046E+08	9,628151E+08	1,069298E+09	1,149746E+09	1,182602E+09	1,184836E+09	1,184838E+09	1,182595E+09	1,149711E+09
-1351	1,069244E+09	9,627546E+08	8,845413E+08	8,845472E+08	9,627728E+08	1,069274E+09	1,149739E+09	1,182603E+09	1,184837E+09	1,184837E+09	1,182602E+09	1,149734E+09
-1350	1,069268E+09	9,627774E+08	8,845665E+08	8,845667E+08	9,627862E+08	1,069282E+09	1,149737E+09	1,182595E+09	1,184829E+09	1,184831E+09	1,182608E+09	1,149764E+09
-1349	1,069302E+09	9,627812E+08	8,845470E+08	8,845448E+08	9,627728E+08	1,069283E+09	1,149752E+09	1,182610E+09	1,184834E+09	1,184826E+09	1,182583E+09	1,149710E+09
-1348	1,069244E+09	9,627369E+08	8,845142E+08	8,845185E+08	9,627415E+08	1,069249E+09	1,149725E+09	1,182594E+09	1,184826E+09	1,184823E+09	1,182592E+09	1,149737E+09
-1347	1,069291E+09	9,627999E+08	8,845672E+08	8,845555E+08	9,627727E+08	1,069267E+09	1,149724E+09	1,182582E+09	1,184816E+09	1,184825E+09	1,182606E+09	1,149743E+09
-1346	1,069264E+09	9,627543E+08	8,845293E+08	8,845260E+08	9,627544E+08	1,069267E+09	1,149737E+09	1,182599E+09	1,184828E+09	1,184824E+09	1,182584E+09	1,149711E+09
-1345	1,069235E+09	9,627281E+08	8,845207E+08	8,845329E+08	9,627626E+08	1,069270E+09	1,149729E+09	1,182582E+09	1,184813E+09	1,184819E+09	1,182595E+09	1,149744E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1344	1,069299E+09	9,627927E+08	8,845573E+08	8,845597E+08	9,627912E+08	1,069294E+09	1,149747E+09	1,182593E+09	1,184815E+09	1,184818E+09	1,182590E+09	1,149722E+09
-1343	1,069253E+09	9,627464E+08	8,845145E+08	8,845152E+08	9,627522E+08	1,069271E+09	1,149747E+09	1,182609E+09	1,184831E+09	1,184820E+09	1,182582E+09	1,149720E+09
-1342	1,069259E+09	9,627696E+08	8,845592E+08	8,845561E+08	9,627710E+08	1,069269E+09	1,149735E+09	1,182604E+09	1,184839E+09	1,184830E+09	1,182594E+09	1,149748E+09
-1341	1,069303E+09	9,628027E+08	8,845810E+08	8,845790E+08	9,627921E+08	1,069284E+09	1,149745E+09	1,182610E+09	1,184845E+09	1,184843E+09	1,182593E+09	1,149708E+09
-1340	1,069242E+09	9,627557E+08	8,845544E+08	8,845655E+08	9,627771E+08	1,069262E+09	1,149722E+09	1,182591E+09	1,184834E+09	1,184839E+09	1,182603E+09	1,149737E+09
-1339	1,069289E+09	9,628196E+08	8,846165E+08	8,846136E+08	9,628176E+08	1,069291E+09	1,149729E+09	1,182581E+09	1,184821E+09	1,184837E+09	1,182621E+09	1,149765E+09
-1338	1,069300E+09	9,628064E+08	8,845987E+08	8,845999E+08	9,628096E+08	1,069296E+09	1,149748E+09	1,182604E+09	1,184836E+09	1,184832E+09	1,182589E+09	1,149722E+09
-1337	1,069267E+09	9,627833E+08	8,845868E+08	8,845951E+08	9,628040E+08	1,069288E+09	1,149738E+09	1,182594E+09	1,184828E+09	1,184824E+09	1,182587E+09	1,149740E+09
-1336	1,069320E+09	9,628579E+08	8,846469E+08	8,846374E+08	9,628337E+08	1,069304E+09	1,149747E+09	1,182602E+09	1,184834E+09	1,184831E+09	1,182592E+09	1,149727E+09
-1335	1,069278E+09	9,628057E+08	8,846039E+08	8,846003E+08	9,627999E+08	1,069281E+09	1,149741E+09	1,182611E+09	1,184848E+09	1,184836E+09	1,182584E+09	1,149712E+09
-1334	1,069259E+09	9,627922E+08	8,846086E+08	8,846165E+08	9,628131E+08	1,069281E+09	1,149728E+09	1,182597E+09	1,184844E+09	1,184843E+09	1,182603E+09	1,149746E+09
-1333	1,069308E+09	9,628266E+08	8,846164E+08	8,846208E+08	9,628291E+08	1,069306E+09	1,149749E+09	1,182600E+09	1,184835E+09	1,184843E+09	1,182605E+09	1,149724E+09
-1332	1,069252E+09	9,627648E+08	8,845586E+08	8,845650E+08	9,627801E+08	1,069274E+09	1,149735E+09	1,182596E+09	1,184827E+09	1,184825E+09	1,182593E+09	1,149734E+09
-1331	1,069283E+09	9,628055E+08	8,845956E+08	8,845868E+08	9,627920E+08	1,069279E+09	1,149733E+09	1,182591E+09	1,184824E+09	1,184826E+09	1,182605E+09	1,149759E+09
-1330	1,069305E+09	9,628026E+08	8,845791E+08	8,845724E+08	9,627809E+08	1,069274E+09	1,149740E+09	1,182606E+09	1,184840E+09	1,184832E+09	1,182582E+09	1,149708E+09
-1329	1,069248E+09	9,627527E+08	8,845394E+08	8,845483E+08	9,627677E+08	1,069263E+09	1,149721E+09	1,182586E+09	1,184823E+09	1,184822E+09	1,182586E+09	1,149724E+09
-1328	1,069284E+09	9,628120E+08	8,845945E+08	8,845896E+08	9,628028E+08	1,069287E+09	1,149732E+09	1,182582E+09	1,184815E+09	1,184824E+09	1,182603E+09	1,149740E+09
-1327	1,069267E+09	9,627658E+08	8,845501E+08	8,845514E+08	9,627719E+08	1,069275E+09	1,149740E+09	1,182597E+09	1,184823E+09	1,184818E+09	1,182582E+09	1,149716E+09
-1326	1,069246E+09	9,627435E+08	8,845393E+08	8,845548E+08	9,627765E+08	1,069273E+09	1,149733E+09	1,182596E+09	1,184827E+09	1,184821E+09	1,182587E+09	1,149737E+09
-1325	1,069301E+09	9,628099E+08	8,845796E+08	8,845788E+08	9,628010E+08	1,069297E+09	1,149752E+09	1,182603E+09	1,184831E+09	1,184830E+09	1,182594E+09	1,149720E+09
-1324	1,069253E+09	9,627638E+08	8,845482E+08	8,845465E+08	9,627620E+08	1,069263E+09	1,149736E+09	1,182604E+09	1,184836E+09	1,184825E+09	1,182581E+09	1,149715E+09
-1323	1,069264E+09	9,627940E+08	8,845969E+08	8,845935E+08	9,627913E+08	1,069268E+09	1,149722E+09	1,182591E+09	1,184835E+09	1,184839E+09	1,182609E+09	1,149753E+09
-1322	1,069304E+09	9,628176E+08	8,846104E+08	8,846125E+08	9,628136E+08	1,069287E+09	1,149733E+09	1,182596E+09	1,184841E+09	1,184847E+09	1,182603E+09	1,149723E+09
-1321	1,069259E+09	9,627751E+08	8,845773E+08	8,845917E+08	9,628036E+08	1,069283E+09	1,149727E+09	1,182583E+09	1,184820E+09	1,184825E+09	1,182591E+09	1,149734E+09
-1320	1,069301E+09	9,628458E+08	8,846483E+08	8,846431E+08	9,628381E+08	1,069304E+09	1,149739E+09	1,182588E+09	1,184820E+09	1,184825E+09	1,182602E+09	1,149755E+09
-1319	1,069311E+09	9,628345E+08	8,846336E+08	8,846286E+08	9,628203E+08	1,069293E+09	1,149745E+09	1,182607E+09	1,184840E+09	1,184827E+09	1,182576E+09	1,149711E+09
-1318	1,069271E+09	9,628076E+08	8,846228E+08	8,846302E+08	9,628201E+08	1,069283E+09	1,149731E+09	1,182604E+09	1,184847E+09	1,184835E+09	1,182581E+09	1,149722E+09
-1317	1,069307E+09	9,628666E+08	8,846724E+08	8,846683E+08	9,628567E+08	1,069312E+09	1,149746E+09	1,182603E+09	1,184846E+09	1,184849E+09	1,182605E+09	1,149727E+09
-1316	1,069269E+09	9,628088E+08	8,846262E+08	8,846295E+08	9,628209E+08	1,069289E+09	1,149737E+09	1,182603E+09	1,184844E+09	1,184838E+09	1,182589E+09	1,149718E+09
-1315	1,069267E+09	9,628057E+08	8,846279E+08	8,846376E+08	9,628285E+08	1,069289E+09	1,149730E+09	1,182592E+09	1,184836E+09	1,184843E+09	1,182612E+09	1,149756E+09
-1314	1,069316E+09	9,628386E+08	8,846313E+08	8,846349E+08	9,628354E+08	1,069304E+09	1,149746E+09	1,182602E+09	1,184840E+09	1,184844E+09	1,182607E+09	1,149734E+09
-1313	1,069271E+09	9,627885E+08	8,845791E+08	8,845795E+08	9,627913E+08	1,069281E+09	1,149736E+09	1,182595E+09	1,184827E+09	1,184819E+09	1,182580E+09	1,149722E+09
-1312	1,069285E+09	9,628291E+08	8,846296E+08	8,846158E+08	9,628051E+08	1,069278E+09	1,149729E+09	1,182591E+09	1,184827E+09	1,184827E+09	1,182596E+09	1,149748E+09
-1311	1,069303E+09	9,628175E+08	8,846084E+08	8,846051E+08	9,627993E+08	1,069271E+09	1,149725E+09	1,182593E+09	1,184835E+09	1,184833E+09	1,182584E+09	1,149709E+09
-1310	1,069250E+09	9,627650E+08	8,845620E+08	8,845780E+08	9,627908E+08	1,069268E+09	1,149717E+09	1,182584E+09	1,184824E+09	1,184823E+09	1,182583E+09	1,149719E+09
-1309	1,069279E+09	9,628162E+08	8,846076E+08	8,846082E+08	9,628216E+08	1,069302E+09	1,149742E+09	1,182587E+09	1,184816E+09	1,184824E+09	1,182602E+09	1,149742E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1308	1,069270E+09	9,627782E+08	8,845714E+08	8,845721E+08	9,627834E+08	1,069279E+09	1,149743E+09	1,182600E+09	1,184823E+09	1,184810E+09	1,182570E+09	1,149712E+09
-1307	1,069256E+09	9,627709E+08	8,845703E+08	8,845778E+08	9,627846E+08	1,069269E+09	1,149730E+09	1,182597E+09	1,184831E+09	1,184826E+09	1,182588E+09	1,149733E+09
-1306	1,069301E+09	9,628282E+08	8,846118E+08	8,846086E+08	9,628117E+08	1,069289E+09	1,149739E+09	1,182602E+09	1,184842E+09	1,184844E+09	1,182602E+09	1,149725E+09
-1305	1,069261E+09	9,627839E+08	8,845778E+08	8,845794E+08	9,627899E+08	1,069275E+09	1,149728E+09	1,182592E+09	1,184832E+09	1,184828E+09	1,182581E+09	1,149711E+09
-1304	1,069265E+09	9,628148E+08	8,846324E+08	8,846310E+08	9,628199E+08	1,069282E+09	1,149723E+09	1,182586E+09	1,184830E+09	1,184836E+09	1,182605E+09	1,149756E+09
-1303	1,069316E+09	9,628378E+08	8,846403E+08	8,846447E+08	9,628347E+08	1,069293E+09	1,149731E+09	1,182591E+09	1,184834E+09	1,184839E+09	1,182597E+09	1,149728E+09
-1302	1,069276E+09	9,628014E+08	8,846070E+08	8,846210E+08	9,628221E+08	1,069287E+09	1,149731E+09	1,182596E+09	1,184832E+09	1,184822E+09	1,182576E+09	1,149720E+09
-1301	1,069300E+09	9,628654E+08	8,846781E+08	8,846701E+08	9,628548E+08	1,069312E+09	1,149747E+09	1,182600E+09	1,184836E+09	1,184834E+09	1,182598E+09	1,149744E+09
-1300	1,069304E+09	9,628497E+08	8,846696E+08	8,846642E+08	9,628370E+08	1,069291E+09	1,149738E+09	1,182606E+09	1,184846E+09	1,184834E+09	1,182575E+09	1,149703E+09
-1299	1,069267E+09	9,628223E+08	8,846526E+08	8,846635E+08	9,628430E+08	1,069287E+09	1,149723E+09	1,182594E+09	1,184848E+09	1,184850E+09	1,182599E+09	1,149728E+09
-1298	1,069303E+09	9,628698E+08	8,846895E+08	8,846909E+08	9,628741E+08	1,069318E+09	1,149740E+09	1,182595E+09	1,184846E+09	1,184858E+09	1,182620E+09	1,149746E+09
-1297	1,069285E+09	9,628214E+08	8,846367E+08	8,846415E+08	9,628373E+08	1,069303E+09	1,149740E+09	1,182596E+09	1,184834E+09	1,184829E+09	1,182582E+09	1,149719E+09
-1296	1,069280E+09	9,628298E+08	8,846534E+08	8,846555E+08	9,628373E+08	1,069291E+09	1,149732E+09	1,182596E+09	1,184836E+09	1,184833E+09	1,182596E+09	1,149753E+09
-1295	1,069331E+09	9,628648E+08	8,846614E+08	8,846560E+08	9,628382E+08	1,069292E+09	1,149732E+09	1,182596E+09	1,184839E+09	1,184839E+09	1,182595E+09	1,149727E+09
-1294	1,069278E+09	9,628114E+08	8,846117E+08	8,846105E+08	9,628054E+08	1,069273E+09	1,149725E+09	1,182596E+09	1,184834E+09	1,184821E+09	1,182570E+09	1,149705E+09
-1293	1,069273E+09	9,628365E+08	8,846542E+08	8,846468E+08	9,628315E+08	1,069290E+09	1,149729E+09	1,182588E+09	1,184830E+09	1,184833E+09	1,182599E+09	1,149744E+09
-1292	1,069294E+09	9,628211E+08	8,846315E+08	8,846336E+08	9,628220E+08	1,069283E+09	1,149726E+09	1,182586E+09	1,184827E+09	1,184826E+09	1,182580E+09	1,149709E+09
-1291	1,069255E+09	9,627777E+08	8,845818E+08	8,845992E+08	9,628091E+08	1,069281E+09	1,149725E+09	1,182584E+09	1,184823E+09	1,184825E+09	1,182587E+09	1,149722E+09
-1290	1,069282E+09	9,628259E+08	8,846234E+08	8,846222E+08	9,628296E+08	1,069304E+09	1,149745E+09	1,182597E+09	1,184830E+09	1,184831E+09	1,182603E+09	1,149746E+09
-1289	1,069284E+09	9,628003E+08	8,845933E+08	8,845884E+08	9,627952E+08	1,069284E+09	1,149742E+09	1,182604E+09	1,184832E+09	1,184815E+09	1,182563E+09	1,149701E+09
-1288	1,069258E+09	9,627953E+08	8,846092E+08	8,846117E+08	9,627998E+08	1,069265E+09	1,149722E+09	1,182597E+09	1,184841E+09	1,184835E+09	1,182588E+09	1,149732E+09
-1287	1,069306E+09	9,628456E+08	8,846451E+08	8,846441E+08	9,628315E+08	1,069283E+09	1,149719E+09	1,182585E+09	1,184838E+09	1,184850E+09	1,182610E+09	1,149734E+09
-1286	1,069274E+09	9,628044E+08	8,846095E+08	8,846145E+08	9,628145E+08	1,069281E+09	1,149723E+09	1,182587E+09	1,184828E+09	1,184825E+09	1,182579E+09	1,149711E+09
-1285	1,069270E+09	9,628314E+08	8,846588E+08	8,846596E+08	9,628441E+08	1,069298E+09	1,149731E+09	1,182586E+09	1,184827E+09	1,184831E+09	1,182600E+09	1,149755E+09
-1284	1,069322E+09	9,628606E+08	8,846753E+08	8,846752E+08	9,628528E+08	1,069299E+09	1,149733E+09	1,182591E+09	1,184832E+09	1,184828E+09	1,182581E+09	1,149718E+09
-1283	1,069284E+09	9,628314E+08	8,846472E+08	8,846544E+08	9,628404E+08	1,069291E+09	1,149730E+09	1,182596E+09	1,184839E+09	1,184831E+09	1,182575E+09	1,149709E+09
-1282	1,069292E+09	9,628760E+08	8,847082E+08	8,847031E+08	9,628743E+08	1,069313E+09	1,149741E+09	1,182603E+09	1,184851E+09	1,184851E+09	1,182605E+09	1,149745E+09
-1281	1,069307E+09	9,628619E+08	8,846915E+08	8,846926E+08	9,628669E+08	1,069309E+09	1,149737E+09	1,182601E+09	1,184847E+09	1,184841E+09	1,182579E+09	1,149703E+09
-1280	1,069269E+09	9,628356E+08	8,846782E+08	8,846894E+08	9,628624E+08	1,069298E+09	1,149728E+09	1,182594E+09	1,184846E+09	1,184848E+09	1,182599E+09	1,149737E+09
-1279	1,069316E+09	9,628820E+08	8,847073E+08	8,847082E+08	9,628828E+08	1,069317E+09	1,149736E+09	1,182591E+09	1,184842E+09	1,184853E+09	1,182618E+09	1,149755E+09
-1278	1,069307E+09	9,628469E+08	8,846614E+08	8,846592E+08	9,628427E+08	1,069297E+09	1,149738E+09	1,182603E+09	1,184840E+09	1,184826E+09	1,182569E+09	1,149708E+09
-1277	1,069282E+09	9,628489E+08	8,846807E+08	8,846761E+08	9,628457E+08	1,069291E+09	1,149729E+09	1,182597E+09	1,184843E+09	1,184838E+09	1,182591E+09	1,149741E+09
-1276	1,069325E+09	9,628794E+08	8,846955E+08	8,846880E+08	9,628536E+08	1,069287E+09	1,149718E+09	1,182585E+09	1,184836E+09	1,184839E+09	1,182590E+09	1,149718E+09
-1275	1,069275E+09	9,628248E+08	8,846399E+08	8,846421E+08	9,628301E+08	1,069281E+09	1,149716E+09	1,182581E+09	1,184829E+09	1,184829E+09	1,182578E+09	1,149705E+09
-1274	1,069266E+09	9,628349E+08	8,846675E+08	8,846672E+08	9,628509E+08	1,069303E+09	1,149731E+09	1,182585E+09	1,184828E+09	1,184835E+09	1,182603E+09	1,149753E+09
-1273	1,069306E+09	9,628316E+08	8,846422E+08	8,846469E+08	9,628406E+08	1,069301E+09	1,149735E+09	1,182588E+09	1,184822E+09	1,184817E+09	1,182569E+09	1,149703E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1272	1,069262E+09	9,627994E+08	8,846090E+08	8,846174E+08	9,628169E+08	1,069284E+09	1,149731E+09	1,182595E+09	1,184831E+09	1,184822E+09	1,182574E+09	1,149717E+09
-1271	1,069292E+09	9,628462E+08	8,846532E+08	8,846450E+08	9,628344E+08	1,069293E+09	1,149732E+09	1,182594E+09	1,184838E+09	1,184840E+09	1,182601E+09	1,149743E+09
-1270	1,069293E+09	9,628235E+08	8,846286E+08	8,846219E+08	9,628105E+08	1,069277E+09	1,149730E+09	1,182603E+09	1,184842E+09	1,184827E+09	1,182564E+09	1,149692E+09
-1269	1,069253E+09	9,628079E+08	8,846399E+08	8,846472E+08	9,628281E+08	1,069277E+09	1,149717E+09	1,182589E+09	1,184841E+09	1,184843E+09	1,182596E+09	1,149735E+09
-1268	1,069307E+09	9,628595E+08	8,846781E+08	8,846789E+08	9,628565E+08	1,069294E+09	1,149716E+09	1,182575E+09	1,184827E+09	1,184841E+09	1,182606E+09	1,149738E+09
-1267	1,069287E+09	9,628269E+08	8,846414E+08	8,846465E+08	9,628395E+08	1,069295E+09	1,149727E+09	1,182583E+09	1,184824E+09	1,184825E+09	1,182578E+09	1,149710E+09
-1266	1,069277E+09	9,628489E+08	8,846856E+08	8,846843E+08	9,628608E+08	1,069308E+09	1,149738E+09	1,182595E+09	1,184837E+09	1,184835E+09	1,182594E+09	1,149752E+09
-1265	1,069333E+09	9,628845E+08	8,847044E+08	8,847009E+08	9,628723E+08	1,069309E+09	1,149735E+09	1,182595E+09	1,184839E+09	1,184832E+09	1,182571E+09	1,149702E+09
-1264	1,069280E+09	9,628520E+08	8,846867E+08	8,846909E+08	9,628608E+08	1,069294E+09	1,149727E+09	1,182600E+09	1,184850E+09	1,184840E+09	1,182577E+09	1,149708E+09
-1263	1,069294E+09	9,628846E+08	8,847332E+08	8,847325E+08	9,628928E+08	1,069312E+09	1,149727E+09	1,182591E+09	1,184851E+09	1,184859E+09	1,182615E+09	1,149755E+09
-1262	1,069319E+09	9,628766E+08	8,847130E+08	8,847153E+08	9,628805E+08	1,069311E+09	1,149737E+09	1,182600E+09	1,184846E+09	1,184840E+09	1,182578E+09	1,149705E+09
-1261	1,069276E+09	9,628500E+08	8,846983E+08	8,847082E+08	9,628751E+08	1,069305E+09	1,149731E+09	1,182595E+09	1,184845E+09	1,184844E+09	1,182595E+09	1,149738E+09
-1260	1,069326E+09	9,629054E+08	8,847386E+08	8,847290E+08	9,628871E+08	1,069310E+09	1,149727E+09	1,182586E+09	1,184837E+09	1,184843E+09	1,182603E+09	1,149746E+09
-1259	1,069316E+09	9,628749E+08	8,846997E+08	8,846900E+08	9,628556E+08	1,069294E+09	1,149726E+09	1,182592E+09	1,184840E+09	1,184832E+09	1,182567E+09	1,149696E+09
-1258	1,069275E+09	9,628588E+08	8,847083E+08	8,847069E+08	9,628656E+08	1,069294E+09	1,149721E+09	1,182591E+09	1,184847E+09	1,184847E+09	1,182593E+09	1,149737E+09
-1257	1,069324E+09	9,628878E+08	8,847135E+08	8,847146E+08	9,628845E+08	1,069308E+09	1,149719E+09	1,182577E+09	1,184830E+09	1,184836E+09	1,182586E+09	1,149711E+09
-1256	1,069273E+09	9,628340E+08	8,846633E+08	8,846681E+08	9,628521E+08	1,069298E+09	1,149727E+09	1,182587E+09	1,184829E+09	1,184823E+09	1,182574E+09	1,149710E+09
-1255	1,069275E+09	9,628395E+08	8,846794E+08	8,846824E+08	9,628612E+08	1,069306E+09	1,149734E+09	1,182590E+09	1,184833E+09	1,184835E+09	1,182600E+09	1,149755E+09
-1254	1,069320E+09	9,628521E+08	8,846641E+08	8,846620E+08	9,628438E+08	1,069299E+09	1,149741E+09	1,182603E+09	1,184836E+09	1,184824E+09	1,182563E+09	1,149692E+09
-1253	1,069262E+09	9,628160E+08	8,846374E+08	8,846405E+08	9,628249E+08	1,069282E+09	1,149728E+09	1,182599E+09	1,184844E+09	1,184836E+09	1,182579E+09	1,149711E+09
-1252	1,069289E+09	9,628626E+08	8,846887E+08	8,846776E+08	9,628482E+08	1,069286E+09	1,149714E+09	1,182581E+09	1,184837E+09	1,184846E+09	1,182607E+09	1,149745E+09
-1251	1,069300E+09	9,628433E+08	8,846623E+08	8,846582E+08	9,628372E+08	1,069284E+09	1,149716E+09	1,182581E+09	1,184833E+09	1,184836E+09	1,182576E+09	1,149699E+09
-1250	1,069258E+09	9,628175E+08	8,846618E+08	8,846738E+08	9,628505E+08	1,069291E+09	1,149719E+09	1,182581E+09	1,184834E+09	1,184840E+09	1,182597E+09	1,149744E+09
-1249	1,069326E+09	9,628819E+08	8,847009E+08	8,847035E+08	9,628815E+08	1,069312E+09	1,149724E+09	1,182574E+09	1,184819E+09	1,184826E+09	1,182589E+09	1,149729E+09
-1248	1,069297E+09	9,628576E+08	8,846820E+08	8,846781E+08	9,628551E+08	1,069301E+09	1,149733E+09	1,182593E+09	1,184831E+09	1,184816E+09	1,182559E+09	1,149700E+09
-1247	1,069282E+09	9,628668E+08	8,847196E+08	8,847166E+08	9,628744E+08	1,069303E+09	1,149730E+09	1,182597E+09	1,184848E+09	1,184844E+09	1,182590E+09	1,149742E+09
-1246	1,069335E+09	9,629047E+08	8,847404E+08	8,847375E+08	9,628918E+08	1,069311E+09	1,149733E+09	1,182599E+09	1,184850E+09	1,184844E+09	1,182574E+09	1,149692E+09
-1245	1,069272E+09	9,628603E+08	8,847133E+08	8,847221E+08	9,628848E+08	1,069307E+09	1,149729E+09	1,182598E+09	1,184855E+09	1,184851E+09	1,182587E+09	1,149712E+09
-1244	1,069295E+09	9,628960E+08	8,847588E+08	8,847577E+08	9,629080E+08	1,069317E+09	1,149724E+09	1,182585E+09	1,184845E+09	1,184856E+09	1,182616E+09	1,149762E+09
-1243	1,069336E+09	9,628994E+08	8,847392E+08	8,847393E+08	9,628954E+08	1,069315E+09	1,149731E+09	1,182592E+09	1,184845E+09	1,184844E+09	1,182580E+09	1,149705E+09
-1242	1,069286E+09	9,628682E+08	8,847216E+08	8,847273E+08	9,628837E+08	1,069305E+09	1,149729E+09	1,182597E+09	1,184851E+09	1,184847E+09	1,182591E+09	1,149735E+09
-1241	1,069336E+09	9,629276E+08	8,847663E+08	8,847557E+08	9,629044E+08	1,069313E+09	1,149720E+09	1,182580E+09	1,184836E+09	1,184841E+09	1,182594E+09	1,149732E+09
-1240	1,069311E+09	9,628917E+08	8,847359E+08	8,847272E+08	9,628779E+08	1,069298E+09	1,149721E+09	1,182588E+09	1,184840E+09	1,184831E+09	1,182565E+09	1,149695E+09
-1239	1,069274E+09	9,628607E+08	8,847257E+08	8,847331E+08	9,628866E+08	1,069302E+09	1,149715E+09	1,182580E+09	1,184842E+09	1,184848E+09	1,182597E+09	1,149741E+09
-1238	1,069332E+09	9,628985E+08	8,847293E+08	8,847323E+08	9,628973E+08	1,069319E+09	1,149731E+09	1,182583E+09	1,184827E+09	1,184832E+09	1,182581E+09	1,149706E+09
-1237	1,069275E+09	9,628441E+08	8,846786E+08	8,846827E+08	9,628619E+08	1,069308E+09	1,149738E+09	1,182597E+09	1,184835E+09	1,184824E+09	1,182570E+09	1,149705E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1236	1,069280E+09	9,628585E+08	8,847045E+08	8,846988E+08	9,628620E+08	1,069298E+09	1,149727E+09	1,182591E+09	1,184838E+09	1,184835E+09	1,182593E+09	1,149748E+09
-1235	1,069327E+09	9,628753E+08	8,846972E+08	8,846909E+08	9,628551E+08	1,069292E+09	1,149726E+09	1,182593E+09	1,184844E+09	1,184841E+09	1,182571E+09	1,149688E+09
-1234	1,069261E+09	9,628276E+08	8,846644E+08	8,846715E+08	9,628445E+08	1,069284E+09	1,149718E+09	1,182590E+09	1,184846E+09	1,184847E+09	1,182590E+09	1,149717E+09
-1233	1,069298E+09	9,628784E+08	8,847121E+08	8,847076E+08	9,628757E+08	1,069300E+09	1,149710E+09	1,182567E+09	1,184824E+09	1,184839E+09	1,182604E+09	1,149744E+09
-1232	1,069306E+09	9,628634E+08	8,846963E+08	8,846930E+08	9,628616E+08	1,069299E+09	1,149723E+09	1,182581E+09	1,184826E+09	1,184822E+09	1,182568E+09	1,149704E+09
-1231	1,069273E+09	9,628350E+08	8,846869E+08	8,846996E+08	9,628668E+08	1,069296E+09	1,149720E+09	1,182584E+09	1,184835E+09	1,184835E+09	1,182585E+09	1,149737E+09
-1230	1,069339E+09	9,629103E+08	8,847343E+08	8,847291E+08	9,628910E+08	1,069316E+09	1,149733E+09	1,182589E+09	1,184831E+09	1,184829E+09	1,182576E+09	1,149709E+09
-1229	1,069291E+09	9,628756E+08	8,847183E+08	8,847139E+08	9,628731E+08	1,069304E+09	1,149735E+09	1,182602E+09	1,184848E+09	1,184832E+09	1,182562E+09	1,149689E+09
-1228	1,069274E+09	9,628797E+08	8,847528E+08	8,847523E+08	9,628937E+08	1,069301E+09	1,149716E+09	1,182588E+09	1,184852E+09	1,184854E+09	1,182599E+09	1,149743E+09
-1227	1,069337E+09	9,629190E+08	8,847694E+08	8,847716E+08	9,629170E+08	1,069319E+09	1,149722E+09	1,182583E+09	1,184848E+09	1,184858E+09	1,182591E+09	1,149703E+09
-1226	1,069279E+09	9,628706E+08	8,847323E+08	8,847442E+08	9,629009E+08	1,069316E+09	1,149729E+09	1,182593E+09	1,184850E+09	1,184851E+09	1,182593E+09	1,149724E+09
-1225	1,069316E+09	9,629199E+08	8,847798E+08	8,847780E+08	9,629232E+08	1,069323E+09	1,149723E+09	1,182580E+09	1,184837E+09	1,184844E+09	1,182602E+09	1,149755E+09
-1224	1,069348E+09	9,629314E+08	8,847794E+08	8,847707E+08	9,629085E+08	1,069315E+09	1,149729E+09	1,182594E+09	1,184845E+09	1,184834E+09	1,182566E+09	1,149700E+09
-1223	1,069292E+09	9,628864E+08	8,847528E+08	8,847591E+08	9,628990E+08	1,069301E+09	1,149717E+09	1,182590E+09	1,184853E+09	1,184850E+09	1,182586E+09	1,149725E+09
-1222	1,069336E+09	9,629452E+08	8,847960E+08	8,847877E+08	9,629247E+08	1,069321E+09	1,149724E+09	1,182582E+09	1,184836E+09	1,184843E+09	1,182591E+09	1,149721E+09
-1221	1,069300E+09	9,628956E+08	8,847566E+08	8,847561E+08	9,629028E+08	1,069317E+09	1,149732E+09	1,182592E+09	1,184842E+09	1,184834E+09	1,182568E+09	1,149693E+09
-1220	1,069271E+09	9,628657E+08	8,847405E+08	8,847513E+08	9,628994E+08	1,069309E+09	1,149721E+09	1,182584E+09	1,184841E+09	1,184845E+09	1,182595E+09	1,149742E+09
-1219	1,069340E+09	9,629147E+08	8,847474E+08	8,847494E+08	9,629080E+08	1,069323E+09	1,149731E+09	1,182584E+09	1,184836E+09	1,184843E+09	1,182584E+09	1,149705E+09
-1218	1,069280E+09	9,628581E+08	8,846955E+08	8,846944E+08	9,628632E+08	1,069304E+09	1,149737E+09	1,182603E+09	1,184848E+09	1,184836E+09	1,182573E+09	1,149705E+09
-1217	1,069288E+09	9,628782E+08	8,847286E+08	8,847229E+08	9,628734E+08	1,069292E+09	1,149715E+09	1,182585E+09	1,184840E+09	1,184841E+09	1,182593E+09	1,149742E+09
-1216	1,069328E+09	9,628960E+08	8,847327E+08	8,847273E+08	9,628750E+08	1,069291E+09	1,149712E+09	1,182582E+09	1,184839E+09	1,184838E+09	1,182575E+09	1,149697E+09
-1215	1,069267E+09	9,628369E+08	8,846856E+08	8,847002E+08	9,628654E+08	1,069288E+09	1,149707E+09	1,182574E+09	1,184834E+09	1,184842E+09	1,182591E+09	1,149724E+09
-1214	1,069312E+09	9,629002E+08	8,847388E+08	8,847336E+08	9,628917E+08	1,069311E+09	1,149721E+09	1,182569E+09	1,184814E+09	1,184826E+09	1,182592E+09	1,149737E+09
-1213	1,069311E+09	9,628838E+08	8,847259E+08	8,847220E+08	9,628794E+08	1,069310E+09	1,149734E+09	1,182590E+09	1,184830E+09	1,184817E+09	1,182555E+09	1,149690E+09
-1212	1,069274E+09	9,628599E+08	8,847224E+08	8,847290E+08	9,628786E+08	1,069295E+09	1,149717E+09	1,182587E+09	1,184843E+09	1,184836E+09	1,182575E+09	1,149722E+09
-1211	1,069337E+09	9,629329E+08	8,847734E+08	8,847690E+08	9,629138E+08	1,069316E+09	1,149721E+09	1,182583E+09	1,184844E+09	1,184849E+09	1,182583E+09	1,149701E+09
-1210	1,069284E+09	9,628842E+08	8,847441E+08	8,847474E+08	9,628980E+08	1,069313E+09	1,149732E+09	1,182601E+09	1,184856E+09	1,184848E+09	1,182577E+09	1,149697E+09
-1209	1,069281E+09	9,628921E+08	8,847730E+08	8,847820E+08	9,629204E+08	1,069314E+09	1,149716E+09	1,182581E+09	1,184846E+09	1,184854E+09	1,182603E+09	1,149749E+09
-1208	1,069347E+09	9,629393E+08	8,847992E+08	8,848022E+08	9,629370E+08	1,069329E+09	1,149727E+09	1,182584E+09	1,184843E+09	1,184848E+09	1,182589E+09	1,149716E+09
-1207	1,069298E+09	9,628913E+08	8,847555E+08	8,847658E+08	9,629124E+08	1,069317E+09	1,149726E+09	1,182592E+09	1,184850E+09	1,184848E+09	1,182586E+09	1,149724E+09
-1206	1,069333E+09	9,629525E+08	8,848151E+08	8,848021E+08	9,629286E+08	1,069322E+09	1,149727E+09	1,182586E+09	1,184841E+09	1,184842E+09	1,182590E+09	1,149739E+09
-1205	1,069343E+09	9,629501E+08	8,848156E+08	8,848075E+08	9,629282E+08	1,069318E+09	1,149727E+09	1,182596E+09	1,184853E+09	1,184842E+09	1,182564E+09	1,149687E+09
-1204	1,069284E+09	9,628992E+08	8,847808E+08	8,847911E+08	9,629202E+08	1,069304E+09	1,149706E+09	1,182580E+09	1,184851E+09	1,184852E+09	1,182587E+09	1,149722E+09
-1203	1,069334E+09	9,629537E+08	8,848161E+08	8,848146E+08	9,629484E+08	1,069333E+09	1,149720E+09	1,182572E+09	1,184836E+09	1,184850E+09	1,182597E+09	1,149724E+09
-1202	1,069302E+09	9,629006E+08	8,847665E+08	8,847699E+08	9,629151E+08	1,069327E+09	1,149741E+09	1,182599E+09	1,184845E+09	1,184834E+09	1,182570E+09	1,149700E+09
-1201	1,069285E+09	9,628825E+08	8,847527E+08	8,847629E+08	9,629057E+08	1,069308E+09	1,149721E+09	1,182586E+09	1,184841E+09	1,184838E+09	1,182584E+09	1,149735E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1200	1,069345E+09	9,629384E+08	8,847792E+08	8,847738E+08	9,629139E+08	1,069316E+09	1,149724E+09	1,182586E+09	1,184841E+09	1,184840E+09	1,182579E+09	1,149705E+09
-1199	1,069284E+09	9,628739E+08	8,847226E+08	8,847223E+08	9,628750E+08	1,069294E+09	1,149718E+09	1,182592E+09	1,184850E+09	1,184843E+09	1,182576E+09	1,149703E+09
-1198	1,069292E+09	9,628985E+08	8,847586E+08	8,847516E+08	9,628897E+08	1,069296E+09	1,149712E+09	1,182576E+09	1,184835E+09	1,184841E+09	1,182593E+09	1,149737E+09
-1197	1,069325E+09	9,629072E+08	8,847597E+08	8,847612E+08	9,629022E+08	1,069307E+09	1,149718E+09	1,182579E+09	1,184835E+09	1,184835E+09	1,182573E+09	1,149696E+09
-1196	1,069272E+09	9,628537E+08	8,847097E+08	8,847269E+08	9,628845E+08	1,069296E+09	1,149709E+09	1,182573E+09	1,184829E+09	1,184832E+09	1,182580E+09	1,149720E+09
-1195	1,069321E+09	9,629229E+08	8,847677E+08	8,847617E+08	9,629114E+08	1,069320E+09	1,149721E+09	1,182572E+09	1,184824E+09	1,184831E+09	1,182585E+09	1,149727E+09
-1194	1,069311E+09	9,629013E+08	8,847539E+08	8,847481E+08	9,628934E+08	1,069314E+09	1,149738E+09	1,182601E+09	1,184846E+09	1,184829E+09	1,182556E+09	1,149685E+09
-1193	1,069275E+09	9,628766E+08	8,847502E+08	8,847625E+08	9,628997E+08	1,069295E+09	1,149710E+09	1,182586E+09	1,184850E+09	1,184846E+09	1,182579E+09	1,149717E+09
-1192	1,069332E+09	9,629485E+08	8,848074E+08	8,848081E+08	9,629408E+08	1,069324E+09	1,149715E+09	1,182577E+09	1,184844E+09	1,184853E+09	1,182594E+09	1,149716E+09
-1191	1,069293E+09	9,628951E+08	8,847646E+08	8,847733E+08	9,629176E+08	1,069319E+09	1,149725E+09	1,182590E+09	1,184851E+09	1,184850E+09	1,182583E+09	1,149710E+09
-1190	1,069302E+09	9,629195E+08	8,848005E+08	8,848029E+08	9,629299E+08	1,069320E+09	1,149724E+09	1,182584E+09	1,184841E+09	1,184844E+09	1,182595E+09	1,149748E+09
-1189	1,069358E+09	9,629666E+08	8,848331E+08	8,848310E+08	9,629513E+08	1,069332E+09	1,149730E+09	1,182591E+09	1,184848E+09	1,184843E+09	1,182576E+09	1,149705E+09
-1188	1,069304E+09	9,629210E+08	8,847942E+08	8,847972E+08	9,629243E+08	1,069311E+09	1,149716E+09	1,182588E+09	1,184853E+09	1,184846E+09	1,182575E+09	1,149711E+09
-1187	1,069332E+09	9,629752E+08	8,848545E+08	8,848430E+08	9,629542E+08	1,069325E+09	1,149713E+09	1,182577E+09	1,184848E+09	1,184855E+09	1,182592E+09	1,149730E+09
-1186	1,069334E+09	9,629563E+08	8,848376E+08	8,848370E+08	9,629538E+08	1,069331E+09	1,149728E+09	1,182593E+09	1,184856E+09	1,184850E+09	1,182571E+09	1,149690E+09
-1185	1,069285E+09	9,629049E+08	8,847948E+08	8,848149E+08	9,629439E+08	1,069318E+09	1,149711E+09	1,182579E+09	1,184847E+09	1,184849E+09	1,182586E+09	1,149722E+09
-1184	1,069335E+09	9,629653E+08	8,848363E+08	8,848363E+08	9,629642E+08	1,069342E+09	1,149726E+09	1,182578E+09	1,184836E+09	1,184842E+09	1,182593E+09	1,149732E+09
-1183	1,069313E+09	9,629127E+08	8,847792E+08	8,847797E+08	9,629183E+08	1,069323E+09	1,149737E+09	1,182602E+09	1,184854E+09	1,184839E+09	1,182566E+09	1,149699E+09
-1182	1,069296E+09	9,629076E+08	8,847801E+08	8,847780E+08	9,629041E+08	1,069302E+09	1,149721E+09	1,182591E+09	1,184848E+09	1,184843E+09	1,182580E+09	1,149725E+09
-1181	1,069340E+09	9,629522E+08	8,848097E+08	8,848049E+08	9,629290E+08	1,069312E+09	1,149714E+09	1,182582E+09	1,184847E+09	1,184849E+09	1,182583E+09	1,149701E+09
-1180	1,069282E+09	9,628880E+08	8,847487E+08	8,847513E+08	9,628947E+08	1,069295E+09	1,149702E+09	1,182573E+09	1,184840E+09	1,184841E+09	1,182579E+09	1,149707E+09
-1179	1,069298E+09	9,629139E+08	8,847843E+08	8,847814E+08	9,629150E+08	1,069307E+09	1,149703E+09	1,182560E+09	1,184826E+09	1,184839E+09	1,182591E+09	1,149740E+09
-1178	1,069331E+09	9,629200E+08	8,847780E+08	8,847818E+08	9,629206E+08	1,069320E+09	1,149727E+09	1,182584E+09	1,184833E+09	1,184828E+09	1,182565E+09	1,149696E+09
-1177	1,069284E+09	9,628756E+08	8,847342E+08	8,847514E+08	9,629008E+08	1,069301E+09	1,149712E+09	1,182579E+09	1,184833E+09	1,184825E+09	1,182564E+09	1,149706E+09
-1176	1,069319E+09	9,629456E+08	8,848061E+08	8,847971E+08	9,629297E+08	1,069322E+09	1,149721E+09	1,182579E+09	1,184833E+09	1,184832E+09	1,182580E+09	1,149723E+09
-1175	1,069311E+09	9,629146E+08	8,847824E+08	8,847805E+08	9,629140E+08	1,069315E+09	1,149729E+09	1,182599E+09	1,184856E+09	1,184843E+09	1,182564E+09	1,149685E+09
-1174	1,069279E+09	9,628965E+08	8,847807E+08	8,847902E+08	9,629175E+08	1,069306E+09	1,149715E+09	1,182584E+09	1,184851E+09	1,184851E+09	1,182585E+09	1,149719E+09
-1173	1,069333E+09	9,629610E+08	8,848359E+08	8,848404E+08	9,629646E+08	1,069337E+09	1,149721E+09	1,182579E+09	1,184846E+09	1,184855E+09	1,182596E+09	1,149722E+09
-1172	1,069307E+09	9,629200E+08	8,847933E+08	8,847990E+08	9,629326E+08	1,069321E+09	1,149720E+09	1,182587E+09	1,184850E+09	1,184845E+09	1,182577E+09	1,149711E+09
-1171	1,069318E+09	9,629505E+08	8,848362E+08	8,848321E+08	9,629460E+08	1,069320E+09	1,149713E+09	1,182580E+09	1,184850E+09	1,184850E+09	1,182588E+09	1,149739E+09
-1170	1,069362E+09	9,629894E+08	8,848677E+08	8,848620E+08	9,629671E+08	1,069333E+09	1,149727E+09	1,182594E+09	1,184858E+09	1,184852E+09	1,182575E+09	1,149699E+09
-1169	1,069305E+09	9,629382E+08	8,848266E+08	8,848354E+08	9,629488E+08	1,069310E+09	1,149704E+09	1,182580E+09	1,184852E+09	1,184848E+09	1,182573E+09	1,149702E+09
-1168	1,069324E+09	9,629841E+08	8,848841E+08	8,848799E+08	9,629837E+08	1,069337E+09	1,149710E+09	1,182569E+09	1,184841E+09	1,184850E+09	1,182595E+09	1,149738E+09
-1167	1,069338E+09	9,629605E+08	8,848512E+08	8,848568E+08	9,629725E+08	1,069342E+09	1,149729E+09	1,182588E+09	1,184852E+09	1,184849E+09	1,182573E+09	1,149697E+09
-1166	1,069298E+09	9,629240E+08	8,848124E+08	8,848234E+08	9,629471E+08	1,069325E+09	1,149724E+09	1,182586E+09	1,184846E+09	1,184842E+09	1,182576E+09	1,149717E+09
-1165	1,069339E+09	9,629813E+08	8,848602E+08	8,848546E+08	9,629720E+08	1,069342E+09	1,149728E+09	1,182586E+09	1,184846E+09	1,184844E+09	1,182584E+09	1,149722E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1164	1,069318E+09	9,629353E+08	8,848083E+08	8,848018E+08	9,629235E+08	1,069311E+09	1,149720E+09	1,182595E+09	1,184858E+09	1,184844E+09	1,182563E+09	1,149692E+09
-1163	1,069298E+09	9,629257E+08	8,848120E+08	8,848109E+08	9,629243E+08	1,069298E+09	1,149699E+09	1,182576E+09	1,184852E+09	1,184854E+09	1,182584E+09	1,149723E+09
-1162	1,069337E+09	9,629593E+08	8,848309E+08	8,848313E+08	9,629518E+08	1,069323E+09	1,149713E+09	1,182575E+09	1,184843E+09	1,184851E+09	1,182589E+09	1,149708E+09
-1161	1,069289E+09	9,628976E+08	8,847685E+08	8,847784E+08	9,629181E+08	1,069307E+09	1,149706E+09	1,182568E+09	1,184830E+09	1,184830E+09	1,182570E+09	1,149705E+09
-1160	1,069303E+09	9,629302E+08	8,848104E+08	8,848089E+08	9,629370E+08	1,069322E+09	1,149712E+09	1,182566E+09	1,184823E+09	1,184826E+09	1,182580E+09	1,149741E+09
-1159	1,069341E+09	9,629379E+08	8,848002E+08	8,848000E+08	9,629321E+08	1,069325E+09	1,149729E+09	1,182590E+09	1,184844E+09	1,184833E+09	1,182558E+09	1,149688E+09
-1158	1,069290E+09	9,629016E+08	8,847687E+08	8,847736E+08	9,629077E+08	1,069303E+09	1,149717E+09	1,182588E+09	1,184846E+09	1,184836E+09	1,182562E+09	1,149694E+09
-1157	1,069310E+09	9,629558E+08	8,848390E+08	8,848342E+08	9,629532E+08	1,069325E+09	1,149716E+09	1,182581E+09	1,184847E+09	1,184848E+09	1,182586E+09	1,149721E+09
-1156	1,069311E+09	9,629285E+08	8,848085E+08	8,848101E+08	9,629348E+08	1,069317E+09	1,149716E+09	1,182586E+09	1,184854E+09	1,184851E+09	1,182573E+09	1,149696E+09
-1155	1,069292E+09	9,629166E+08	8,848108E+08	8,848205E+08	9,629390E+08	1,069311E+09	1,149705E+09	1,182574E+09	1,184850E+09	1,184854E+09	1,182588E+09	1,149728E+09
-1154	1,069348E+09	9,629817E+08	8,848617E+08	8,848621E+08	9,629772E+08	1,069341E+09	1,149723E+09	1,182581E+09	1,184846E+09	1,184851E+09	1,182591E+09	1,149724E+09
-1153	1,069323E+09	9,629483E+08	8,848296E+08	8,848312E+08	9,629482E+08	1,069319E+09	1,149713E+09	1,182583E+09	1,184848E+09	1,184838E+09	1,182562E+09	1,149698E+09
-1152	1,069321E+09	9,629780E+08	8,848820E+08	8,848755E+08	9,629707E+08	1,069323E+09	1,149705E+09	1,182574E+09	1,184848E+09	1,184847E+09	1,182581E+09	1,149732E+09
-1151	1,069360E+09	9,630023E+08	8,848967E+08	8,848964E+08	9,629935E+08	1,069340E+09	1,149718E+09	1,182586E+09	1,184860E+09	1,184859E+09	1,182577E+09	1,149696E+09
-1150	1,069306E+09	9,629531E+08	8,848538E+08	8,848610E+08	9,629708E+08	1,069330E+09	1,149716E+09	1,182580E+09	1,184850E+09	1,184848E+09	1,182572E+09	1,149700E+09
-1149	1,069319E+09	9,629865E+08	8,849036E+08	8,849061E+08	9,630061E+08	1,069354E+09	1,149724E+09	1,182579E+09	1,184847E+09	1,184850E+09	1,182590E+09	1,149736E+09
-1148	1,069346E+09	9,629757E+08	8,848675E+08	8,848705E+08	9,629801E+08	1,069344E+09	1,149730E+09	1,182592E+09	1,184856E+09	1,184849E+09	1,182569E+09	1,149696E+09
-1147	1,069310E+09	9,629469E+08	8,848388E+08	8,848408E+08	9,629518E+08	1,069319E+09	1,149713E+09	1,182586E+09	1,184860E+09	1,184853E+09	1,182574E+09	1,149710E+09
-1146	1,069341E+09	9,629958E+08	8,848846E+08	8,848738E+08	9,629771E+08	1,069336E+09	1,149721E+09	1,182587E+09	1,184856E+09	1,184857E+09	1,182589E+09	1,149721E+09
-1145	1,069321E+09	9,629473E+08	8,848352E+08	8,848335E+08	9,629418E+08	1,069307E+09	1,149702E+09	1,182579E+09	1,184852E+09	1,184846E+09	1,182565E+09	1,149691E+09
-1144	1,069298E+09	9,629370E+08	8,848391E+08	8,848434E+08	9,629507E+08	1,069309E+09	1,149693E+09	1,182560E+09	1,184836E+09	1,184844E+09	1,182586E+09	1,149732E+09
-1143	1,069347E+09	9,629692E+08	8,848468E+08	8,848503E+08	9,629694E+08	1,069334E+09	1,149715E+09	1,182570E+09	1,184835E+09	1,184844E+09	1,182583E+09	1,149711E+09
-1142	1,069305E+09	9,629226E+08	8,847945E+08	8,847930E+08	9,629264E+08	1,069319E+09	1,149720E+09	1,182577E+09	1,184829E+09	1,184820E+09	1,182554E+09	1,149692E+09
-1141	1,069302E+09	9,629459E+08	8,848419E+08	8,848372E+08	9,629521E+08	1,069327E+09	1,149719E+09	1,182580E+09	1,184839E+09	1,184831E+09	1,182567E+09	1,149721E+09
-1140	1,069340E+09	9,629593E+08	8,848338E+08	8,848302E+08	9,629460E+08	1,069321E+09	1,149718E+09	1,182588E+09	1,184855E+09	1,184846E+09	1,182560E+09	1,149680E+09
-1139	1,069289E+09	9,629182E+08	8,848024E+08	8,848085E+08	9,629305E+08	1,069304E+09	1,149701E+09	1,182579E+09	1,184858E+09	1,184854E+09	1,182572E+09	1,149694E+09
-1138	1,069310E+09	9,629632E+08	8,848613E+08	8,848610E+08	9,629752E+08	1,069337E+09	1,149717E+09	1,182579E+09	1,184850E+09	1,184858E+09	1,182599E+09	1,149733E+09
-1137	1,069325E+09	9,629431E+08	8,848345E+08	8,848410E+08	9,629550E+08	1,069322E+09	1,149712E+09	1,182579E+09	1,184847E+09	1,184845E+09	1,182570E+09	1,149700E+09
-1136	1,069306E+09	9,629409E+08	8,848440E+08	8,848523E+08	9,629602E+08	1,069319E+09	1,149704E+09	1,182571E+09	1,184842E+09	1,184844E+09	1,182581E+09	1,149731E+09
-1135	1,069362E+09	9,630075E+08	8,848943E+08	8,848887E+08	9,629907E+08	1,069342E+09	1,149719E+09	1,182580E+09	1,184851E+09	1,184854E+09	1,182585E+09	1,149717E+09
-1134	1,069332E+09	9,629783E+08	8,848721E+08	8,848627E+08	9,629626E+08	1,069324E+09	1,149715E+09	1,182583E+09	1,184851E+09	1,184840E+09	1,182555E+09	1,149684E+09
-1133	1,069311E+09	9,629877E+08	8,849164E+08	8,849175E+08	9,630022E+08	1,069335E+09	1,149705E+09	1,182574E+09	1,184853E+09	1,184854E+09	1,182579E+09	1,149723E+09
-1132	1,069360E+09	9,630147E+08	8,849197E+08	8,849237E+08	9,630164E+08	1,069351E+09	1,149715E+09	1,182576E+09	1,184855E+09	1,184860E+09	1,182580E+09	1,149700E+09
-1131	1,069314E+09	9,629677E+08	8,848760E+08	8,848832E+08	9,629866E+08	1,069337E+09	1,149715E+09	1,182581E+09	1,184855E+09	1,184850E+09	1,182570E+09	1,149701E+09
-1130	1,069328E+09	9,629987E+08	8,849190E+08	8,849184E+08	9,630117E+08	1,069357E+09	1,149730E+09	1,182590E+09	1,184856E+09	1,184853E+09	1,182587E+09	1,149735E+09
-1129	1,069356E+09	9,629943E+08	8,848948E+08	8,848937E+08	9,629848E+08	1,069334E+09	1,149719E+09	1,182590E+09	1,184861E+09	1,184851E+09	1,182562E+09	1,149687E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1128	1,069312E+09	9,629668E+08	8,848738E+08	8,848746E+08	9,629684E+08	1,069316E+09	1,149700E+09	1,182576E+09	1,184855E+09	1,184855E+09	1,182578E+09	1,149710E+09
-1127	1,069343E+09	9,630074E+08	8,849073E+08	8,848995E+08	9,629947E+08	1,069338E+09	1,149709E+09	1,182573E+09	1,184853E+09	1,184863E+09	1,182596E+09	1,149724E+09
-1126	1,069327E+09	9,629642E+08	8,848612E+08	8,848555E+08	9,629597E+08	1,069324E+09	1,149710E+09	1,182573E+09	1,184842E+09	1,184839E+09	1,182561E+09	1,149689E+09
-1125	1,069299E+09	9,629445E+08	8,848611E+08	8,848716E+08	9,629747E+08	1,069327E+09	1,149705E+09	1,182567E+09	1,184837E+09	1,184838E+09	1,182573E+09	1,149723E+09
-1124	1,069356E+09	9,629878E+08	8,848660E+08	8,848676E+08	9,629810E+08	1,069340E+09	1,149717E+09	1,182573E+09	1,184839E+09	1,184842E+09	1,182573E+09	1,149703E+09
-1123	1,069312E+09	9,629456E+08	8,848262E+08	8,848183E+08	9,629366E+08	1,069316E+09	1,149715E+09	1,182585E+09	1,184848E+09	1,184833E+09	1,182551E+09	1,149681E+09
-1122	1,069298E+09	9,629548E+08	8,848662E+08	8,848625E+08	9,629633E+08	1,069325E+09	1,149716E+09	1,182586E+09	1,184854E+09	1,184849E+09	1,182577E+09	1,149719E+09
-1121	1,069337E+09	9,629655E+08	8,848602E+08	8,848646E+08	9,629663E+08	1,069320E+09	1,149704E+09	1,182575E+09	1,184853E+09	1,184854E+09	1,182570E+09	1,149685E+09
-1120	1,069293E+09	9,629314E+08	8,848307E+08	8,848420E+08	9,629561E+08	1,069315E+09	1,149695E+09	1,182563E+09	1,184842E+09	1,184850E+09	1,182581E+09	1,149709E+09
-1119	1,069326E+09	9,629808E+08	8,848812E+08	8,848800E+08	9,629876E+08	1,069342E+09	1,149715E+09	1,182571E+09	1,184842E+09	1,184853E+09	1,182597E+09	1,149740E+09
-1118	1,069348E+09	9,629779E+08	8,848695E+08	8,848627E+08	9,629655E+08	1,069330E+09	1,149718E+09	1,182579E+09	1,184843E+09	1,184833E+09	1,182554E+09	1,149689E+09
-1117	1,069312E+09	9,629675E+08	8,848866E+08	8,848916E+08	9,629813E+08	1,069324E+09	1,149704E+09	1,182576E+09	1,184850E+09	1,184842E+09	1,182563E+09	1,149711E+09
-1116	1,069365E+09	9,630330E+08	8,849332E+08	8,849270E+08	9,630125E+08	1,069344E+09	1,149709E+09	1,182574E+09	1,184853E+09	1,184859E+09	1,182582E+09	1,149706E+09
-1115	1,069330E+09	9,629965E+08	8,849096E+08	8,849039E+08	9,629913E+08	1,069332E+09	1,149708E+09	1,182580E+09	1,184859E+09	1,184850E+09	1,182559E+09	1,149680E+09
-1114	1,069306E+09	9,629907E+08	8,849352E+08	8,849441E+08	9,630252E+08	1,069353E+09	1,149717E+09	1,182581E+09	1,184860E+09	1,184861E+09	1,182585E+09	1,149726E+09
-1113	1,069364E+09	9,630230E+08	8,849403E+08	8,849498E+08	9,630329E+08	1,069357E+09	1,149718E+09	1,182578E+09	1,184856E+09	1,184859E+09	1,182578E+09	1,149701E+09
-1112	1,069325E+09	9,629875E+08	8,849011E+08	8,849056E+08	9,629993E+08	1,069341E+09	1,149715E+09	1,182582E+09	1,184855E+09	1,184850E+09	1,182571E+09	1,149703E+09
-1111	1,069338E+09	9,630192E+08	8,849420E+08	8,849341E+08	9,630128E+08	1,069349E+09	1,149723E+09	1,182590E+09	1,184866E+09	1,184864E+09	1,182591E+09	1,149733E+09
-1110	1,069365E+09	9,630196E+08	8,849278E+08	8,849183E+08	9,629938E+08	1,069331E+09	1,149711E+09	1,182583E+09	1,184861E+09	1,184855E+09	1,182564E+09	1,149682E+09
-1109	1,069307E+09	9,629750E+08	8,849016E+08	8,849110E+08	9,629954E+08	1,069324E+09	1,149693E+09	1,182566E+09	1,184852E+09	1,184856E+09	1,182576E+09	1,149708E+09
-1108	1,069349E+09	9,630210E+08	8,849270E+08	8,849234E+08	9,630140E+08	1,069347E+09	1,149704E+09	1,182558E+09	1,184838E+09	1,184856E+09	1,182596E+09	1,149728E+09
-1107	1,069337E+09	9,629823E+08	8,848846E+08	8,848782E+08	9,629740E+08	1,069330E+09	1,149711E+09	1,182574E+09	1,184841E+09	1,184830E+09	1,182551E+09	1,149683E+09
-1106	1,069304E+09	9,629571E+08	8,848784E+08	8,848877E+08	9,629843E+08	1,069334E+09	1,149715E+09	1,182580E+09	1,184847E+09	1,184839E+09	1,182564E+09	1,149711E+09
-1105	1,069355E+09	9,630035E+08	8,848961E+08	8,848966E+08	9,629909E+08	1,069335E+09	1,149709E+09	1,182574E+09	1,184846E+09	1,184845E+09	1,182566E+09	1,149689E+09
-1104	1,069308E+09	9,629599E+08	8,848571E+08	8,848536E+08	9,629575E+08	1,069318E+09	1,149707E+09	1,182577E+09	1,184847E+09	1,184840E+09	1,182560E+09	1,149682E+09
-1103	1,069298E+09	9,629634E+08	8,848850E+08	8,848865E+08	9,629805E+08	1,069331E+09	1,149710E+09	1,182579E+09	1,184856E+09	1,184860E+09	1,182590E+09	1,149728E+09
-1102	1,069347E+09	9,629841E+08	8,848851E+08	8,848862E+08	9,629823E+08	1,069334E+09	1,149710E+09	1,182571E+09	1,184845E+09	1,184850E+09	1,182572E+09	1,149690E+09
-1101	1,069302E+09	9,629478E+08	8,848584E+08	8,848737E+08	9,629788E+08	1,069327E+09	1,149702E+09	1,182567E+09	1,184842E+09	1,184843E+09	1,182569E+09	1,149705E+09
-1100	1,069345E+09	9,630123E+08	8,849120E+08	8,849045E+08	9,629993E+08	1,069343E+09	1,149710E+09	1,182568E+09	1,184842E+09	1,184850E+09	1,182588E+09	1,149732E+09
-1099	1,069358E+09	9,630110E+08	8,849142E+08	8,848999E+08	9,629805E+08	1,069326E+09	1,149710E+09	1,182583E+09	1,184856E+09	1,184839E+09	1,182547E+09	1,149675E+09
-1098	1,069308E+09	9,629827E+08	8,849203E+08	8,849295E+08	9,630045E+08	1,069329E+09	1,149703E+09	1,182580E+09	1,184862E+09	1,184855E+09	1,182567E+09	1,149702E+09
-1097	1,069356E+09	9,630412E+08	8,849645E+08	8,849683E+08	9,630404E+08	1,069351E+09	1,149701E+09	1,182564E+09	1,184852E+09	1,184863E+09	1,182585E+09	1,149707E+09
-1096	1,069331E+09	9,630078E+08	8,849354E+08	8,849375E+08	9,630190E+08	1,069349E+09	1,149713E+09	1,182573E+09	1,184849E+09	1,184848E+09	1,182567E+09	1,149690E+09
-1095	1,069318E+09	9,630042E+08	8,849495E+08	8,849585E+08	9,630339E+08	1,069358E+09	1,149722E+09	1,182585E+09	1,184863E+09	1,184863E+09	1,182587E+09	1,149731E+09
-1094	1,069379E+09	9,630511E+08	8,849676E+08	8,849651E+08	9,630379E+08	1,069361E+09	1,149721E+09	1,182582E+09	1,184860E+09	1,184857E+09	1,182571E+09	1,149695E+09
-1093	1,069329E+09	9,630096E+08	8,849366E+08	8,849386E+08	9,630146E+08	1,069339E+09	1,149709E+09	1,182583E+09	1,184864E+09	1,184854E+09	1,182562E+09	1,149692E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	1,069344E+09	9,630411E+08	8,849711E+08	8,849628E+08	9,630271E+08	1,069343E+09	1,149704E+09	1,182575E+09	1,184863E+09	1,184870E+09	1,182594E+09	1,149732E+09
-1091	1,069367E+09	9,630372E+08	8,849587E+08	8,849524E+08	9,630166E+08	1,069335E+09	1,149701E+09	1,182575E+09	1,184860E+09	1,184856E+09	1,182566E+09	1,149682E+09
-1090	1,069307E+09	9,629803E+08	8,849172E+08	8,849339E+08	9,630155E+08	1,069339E+09	1,149703E+09	1,182569E+09	1,184849E+09	1,184851E+09	1,182574E+09	1,149707E+09
-1089	1,069349E+09	9,630283E+08	8,849453E+08	8,849467E+08	9,630289E+08	1,069354E+09	1,149708E+09	1,182560E+09	1,184834E+09	1,184845E+09	1,182584E+09	1,149722E+09
-1088	1,069343E+09	9,630006E+08	8,849088E+08	8,849015E+08	9,629890E+08	1,069338E+09	1,149716E+09	1,182577E+09	1,184840E+09	1,184829E+09	1,182547E+09	1,149677E+09
-1087	1,069306E+09	9,629721E+08	8,848972E+08	8,849027E+08	9,629868E+08	1,069329E+09	1,149713E+09	1,182587E+09	1,184861E+09	1,184853E+09	1,182568E+09	1,149706E+09
-1086	1,069354E+09	9,630205E+08	8,849229E+08	8,849204E+08	9,630044E+08	1,069337E+09	1,149704E+09	1,182570E+09	1,184851E+09	1,184853E+09	1,182572E+09	1,149688E+09
-1085	1,069305E+09	9,629683E+08	8,848821E+08	8,848874E+08	9,629832E+08	1,069326E+09	1,149701E+09	1,182570E+09	1,184848E+09	1,184844E+09	1,182562E+09	1,149686E+09
-1084	1,069311E+09	9,629820E+08	8,849053E+08	8,849076E+08	9,629939E+08	1,069333E+09	1,149703E+09	1,182566E+09	1,184845E+09	1,184855E+09	1,182593E+09	1,149738E+09
-1083	1,069365E+09	9,630130E+08	8,849175E+08	8,849137E+08	9,629948E+08	1,069332E+09	1,149706E+09	1,182573E+09	1,184846E+09	1,184841E+09	1,182561E+09	1,149688E+09
-1082	1,069312E+09	9,629725E+08	8,848902E+08	8,849018E+08	9,629927E+08	1,069331E+09	1,149706E+09	1,182576E+09	1,184849E+09	1,184841E+09	1,182558E+09	1,149693E+09
-1081	1,069345E+09	9,630358E+08	8,849557E+08	8,849476E+08	9,630190E+08	1,069340E+09	1,149700E+09	1,182563E+09	1,184845E+09	1,184850E+09	1,182579E+09	1,149719E+09
-1080	1,069355E+09	9,630313E+08	8,849548E+08	8,849476E+08	9,630148E+08	1,069337E+09	1,149704E+09	1,182573E+09	1,184851E+09	1,184846E+09	1,182554E+09	1,149672E+09
-1079	1,069305E+09	9,629933E+08	8,849433E+08	8,849596E+08	9,630299E+08	1,069344E+09	1,149706E+09	1,182580E+09	1,184867E+09	1,184866E+09	1,182578E+09	1,149708E+09
-1078	1,069360E+09	9,630563E+08	8,849884E+08	8,849934E+08	9,630631E+08	1,069370E+09	1,149712E+09	1,182568E+09	1,184851E+09	1,184861E+09	1,182586E+09	1,149711E+09
-1077	1,069338E+09	9,630215E+08	8,849584E+08	8,849656E+08	9,630405E+08	1,069361E+09	1,149722E+09	1,182585E+09	1,184859E+09	1,184848E+09	1,182558E+09	1,149689E+09
-1076	1,069335E+09	9,630316E+08	8,849743E+08	8,849755E+08	9,630383E+08	1,069353E+09	1,149716E+09	1,182586E+09	1,184869E+09	1,184868E+09	1,182587E+09	1,149731E+09
-1075	1,069389E+09	9,630801E+08	8,850054E+08	8,849938E+08	9,630435E+08	1,069347E+09	1,149708E+09	1,182584E+09	1,184870E+09	1,184864E+09	1,182570E+09	1,149689E+09
-1074	1,069326E+09	9,630222E+08	8,849635E+08	8,849693E+08	9,630330E+08	1,069340E+09	1,149700E+09	1,182578E+09	1,184867E+09	1,184862E+09	1,182568E+09	1,149691E+09
-1073	1,069339E+09	9,630499E+08	8,849984E+08	8,849964E+08	9,630498E+08	1,069346E+09	1,149690E+09	1,182555E+09	1,184849E+09	1,184863E+09	1,182593E+09	1,149735E+09
-1072	1,069372E+09	9,630491E+08	8,849796E+08	8,849796E+08	9,630408E+08	1,069349E+09	1,149703E+09	1,182562E+09	1,184841E+09	1,184844E+09	1,182563E+09	1,149685E+09
-1071	1,069316E+09	9,629945E+08	8,849294E+08	8,849453E+08	9,630235E+08	1,069345E+09	1,149710E+09	1,182577E+09	1,184852E+09	1,184846E+09	1,182566E+09	1,149703E+09
-1070	1,069355E+09	9,630503E+08	8,849694E+08	8,849620E+08	9,630366E+08	1,069359E+09	1,149713E+09	1,182568E+09	1,184841E+09	1,184840E+09	1,182569E+09	1,149707E+09
-1069	1,069338E+09	9,630150E+08	8,849387E+08	8,849329E+08	9,630065E+08	1,069339E+09	1,149715E+09	1,182584E+09	1,184854E+09	1,184836E+09	1,182539E+09	1,149665E+09
-1068	1,069306E+09	9,629875E+08	8,849199E+08	8,849265E+08	9,630005E+08	1,069326E+09	1,149699E+09	1,182577E+09	1,184864E+09	1,184864E+09	1,182578E+09	1,149709E+09
-1067	1,069355E+09	9,630352E+08	8,849499E+08	8,849487E+08	9,630214E+08	1,069338E+09	1,149698E+09	1,182568E+09	1,184854E+09	1,184858E+09	1,182578E+09	1,149695E+09
-1066	1,069309E+09	9,629778E+08	8,849011E+08	8,849114E+08	9,630025E+08	1,069337E+09	1,149706E+09	1,182573E+09	1,184849E+09	1,184845E+09	1,182564E+09	1,149691E+09
-1065	1,069319E+09	9,630007E+08	8,849344E+08	8,849363E+08	9,630094E+08	1,069333E+09	1,149697E+09	1,182562E+09	1,184842E+09	1,184847E+09	1,182583E+09	1,149736E+09
-1064	1,069378E+09	9,630421E+08	8,849544E+08	8,849477E+08	9,630154E+08	1,069338E+09	1,149704E+09	1,182568E+09	1,184843E+09	1,184841E+09	1,182558E+09	1,149682E+09
-1063	1,069317E+09	9,629959E+08	8,849236E+08	8,849327E+08	9,630073E+08	1,069330E+09	1,149703E+09	1,182579E+09	1,184861E+09	1,184853E+09	1,182560E+09	1,149686E+09
-1062	1,069341E+09	9,630532E+08	8,849899E+08	8,849845E+08	9,630476E+08	1,069353E+09	1,149697E+09	1,182560E+09	1,184847E+09	1,184854E+09	1,182580E+09	1,149715E+09
-1061	1,069351E+09	9,630413E+08	8,849840E+08	8,849876E+08	9,630504E+08	1,069357E+09	1,149709E+09	1,182571E+09	1,184853E+09	1,184848E+09	1,182552E+09	1,149675E+09
-1060	1,069317E+09	9,630108E+08	8,849615E+08	8,849779E+08	9,630444E+08	1,069351E+09	1,149707E+09	1,182576E+09	1,184863E+09	1,184865E+09	1,182581E+09	1,149716E+09
-1059	1,069376E+09	9,630818E+08	8,850178E+08	8,850161E+08	9,630716E+08	1,069367E+09	1,149713E+09	1,182578E+09	1,184860E+09	1,184858E+09	1,182578E+09	1,149709E+09
-1058	1,069348E+09	9,630448E+08	8,849881E+08	8,849893E+08	9,630491E+08	1,069357E+09	1,149719E+09	1,182592E+09	1,184871E+09	1,184854E+09	1,182552E+09	1,149681E+09
-1057	1,069335E+09	9,630522E+08	8,850131E+08	8,850108E+08	9,630506E+08	1,069341E+09	1,149696E+09	1,182574E+09	1,184869E+09	1,184870E+09	1,182583E+09	1,149725E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1056	1,069390E+09	9,630988E+08	8,850404E+08	8,850333E+08	9,630719E+08	1,069353E+09	1,149696E+09	1,182564E+09	1,184858E+09	1,184867E+09	1,182577E+09	1,149690E+09
-1055	1,069327E+09	9,630331E+08	8,849838E+08	8,849925E+08	9,630520E+08	1,069350E+09	1,149701E+09	1,182573E+09	1,184863E+09	1,184862E+09	1,182570E+09	1,149694E+09
-1054	1,069343E+09	9,630626E+08	8,850178E+08	8,850172E+08	9,630713E+08	1,069365E+09	1,149700E+09	1,182556E+09	1,184842E+09	1,184850E+09	1,182581E+09	1,149730E+09
-1053	1,069377E+09	9,630625E+08	8,850007E+08	8,850038E+08	9,630623E+08	1,069363E+09	1,149713E+09	1,182573E+09	1,184848E+09	1,184838E+09	1,182544E+09	1,149675E+09
-1052	1,069325E+09	9,630156E+08	8,849497E+08	8,849573E+08	9,630267E+08	1,069341E+09	1,149708E+09	1,182581E+09	1,184863E+09	1,184854E+09	1,182563E+09	1,149695E+09
-1051	1,069354E+09	9,630676E+08	8,850006E+08	8,849886E+08	9,630437E+08	1,069347E+09	1,149704E+09	1,182576E+09	1,184858E+09	1,184853E+09	1,182572E+09	1,149701E+09
-1050	1,069331E+09	9,630195E+08	8,849592E+08	8,849595E+08	9,630251E+08	1,069341E+09	1,149707E+09	1,182582E+09	1,184864E+09	1,184852E+09	1,182551E+09	1,149669E+09
-1049	1,069302E+09	9,629939E+08	8,849440E+08	8,849540E+08	9,630183E+08	1,069327E+09	1,149686E+09	1,182559E+09	1,184853E+09	1,184863E+09	1,182584E+09	1,149721E+09
-1048	1,069369E+09	9,630526E+08	8,849740E+08	8,849740E+08	9,630413E+08	1,069347E+09	1,149696E+09	1,182553E+09	1,184837E+09	1,184851E+09	1,182580E+09	1,149702E+09
-1047	1,069325E+09	9,630016E+08	8,849248E+08	8,849289E+08	9,630118E+08	1,069340E+09	1,149708E+09	1,182576E+09	1,184850E+09	1,184841E+09	1,182556E+09	1,149689E+09
-1046	1,069331E+09	9,630313E+08	8,849712E+08	8,849655E+08	9,630280E+08	1,069340E+09	1,149695E+09	1,182561E+09	1,184843E+09	1,184841E+09	1,182566E+09	1,149721E+09
-1045	1,069377E+09	9,630630E+08	8,849945E+08	8,849923E+08	9,630470E+08	1,069347E+09	1,149702E+09	1,182570E+09	1,184852E+09	1,184843E+09	1,182546E+09	1,149669E+09
-1044	1,069319E+09	9,630148E+08	8,849547E+08	8,849659E+08	9,630325E+08	1,069338E+09	1,149697E+09	1,182574E+09	1,184864E+09	1,184862E+09	1,182567E+09	1,149688E+09
-1043	1,069341E+09	9,630670E+08	8,850209E+08	8,850177E+08	9,630693E+08	1,069360E+09	1,149702E+09	1,182567E+09	1,184853E+09	1,184857E+09	1,182581E+09	1,149717E+09
-1042	1,069352E+09	9,630496E+08	8,850038E+08	8,850121E+08	9,630705E+08	1,069370E+09	1,149720E+09	1,182584E+09	1,184864E+09	1,184854E+09	1,182553E+09	1,149677E+09
-1041	1,069324E+09	9,630305E+08	8,849912E+08	8,850019E+08	9,630550E+08	1,069349E+09	1,149701E+09	1,182575E+09	1,184866E+09	1,184865E+09	1,182576E+09	1,149716E+09
-1040	1,069388E+09	9,631093E+08	8,850529E+08	8,850436E+08	9,630838E+08	1,069365E+09	1,149705E+09	1,182570E+09	1,184861E+09	1,184866E+09	1,182580E+09	1,149706E+09
-1039	1,069354E+09	9,630671E+08	8,850207E+08	8,850171E+08	9,630595E+08	1,069350E+09	1,149707E+09	1,182588E+09	1,184879E+09	1,184866E+09	1,182559E+09	1,149680E+09
-1038	1,069337E+09	9,630696E+08	8,850440E+08	8,850450E+08	9,630779E+08	1,069348E+09	1,149682E+09	1,182558E+09	1,184861E+09	1,184868E+09	1,182582E+09	1,149724E+09
-1037	1,069391E+09	9,631091E+08	8,850663E+08	8,850681E+08	9,631042E+08	1,069372E+09	1,149698E+09	1,182557E+09	1,184850E+09	1,184857E+09	1,182567E+09	1,149691E+09
-1036	1,069340E+09	9,630497E+08	8,850021E+08	8,850085E+08	9,630649E+08	1,069358E+09	1,149704E+09	1,182570E+09	1,184856E+09	1,184854E+09	1,182564E+09	1,149694E+09
-1035	1,069351E+09	9,630817E+08	8,850438E+08	8,850366E+08	9,630779E+08	1,069364E+09	1,149707E+09	1,182572E+09	1,184851E+09	1,184845E+09	1,182564E+09	1,149717E+09
-1034	1,069375E+09	9,630756E+08	8,850247E+08	8,850250E+08	9,630732E+08	1,069366E+09	1,149716E+09	1,182585E+09	1,184866E+09	1,184849E+09	1,182540E+09	1,149661E+09
-1033	1,069317E+09	9,630268E+08	8,849799E+08	8,849848E+08	9,630385E+08	1,069334E+09	1,149692E+09	1,182573E+09	1,184868E+09	1,184864E+09	1,182567E+09	1,149692E+09
-1032	1,069353E+09	9,630769E+08	8,850246E+08	8,850174E+08	9,630671E+08	1,069355E+09	1,149695E+09	1,182559E+09	1,184852E+09	1,184864E+09	1,182586E+09	1,149709E+09
-1031	1,069336E+09	9,630279E+08	8,849752E+08	8,849770E+08	9,630385E+08	1,069347E+09	1,149707E+09	1,182579E+09	1,184863E+09	1,184857E+09	1,182560E+09	1,149682E+09
-1030	1,069315E+09	9,630090E+08	8,849640E+08	8,849754E+08	9,630381E+08	1,069339E+09	1,149687E+09	1,182556E+09	1,184846E+09	1,184852E+09	1,182575E+09	1,149722E+09
-1029	1,069383E+09	9,630757E+08	8,850040E+08	8,850023E+08	9,630626E+08	1,069359E+09	1,149701E+09	1,182559E+09	1,184840E+09	1,184843E+09	1,182562E+09	1,149695E+09
-1028	1,069341E+09	9,630315E+08	8,849583E+08	8,849510E+08	9,630194E+08	1,069337E+09	1,149702E+09	1,182574E+09	1,184855E+09	1,184845E+09	1,182550E+09	1,149679E+09
-1027	1,069330E+09	9,630533E+08	8,850122E+08	8,850035E+08	9,630451E+08	1,069336E+09	1,149690E+09	1,182568E+09	1,184854E+09	1,184847E+09	1,182561E+09	1,149709E+09
-1026	1,069369E+09	9,630715E+08	8,850232E+08	8,850289E+08	9,630769E+08	1,069360E+09	1,149700E+09	1,182569E+09	1,184860E+09	1,184855E+09	1,182551E+09	1,149667E+09
-1025	1,069313E+09	9,630235E+08	8,849827E+08	8,849952E+08	9,630532E+08	1,069345E+09	1,149692E+09	1,182563E+09	1,184858E+09	1,184861E+09	1,182570E+09	1,149695E+09
-1024	1,069352E+09	9,630831E+08	8,850460E+08	8,850437E+08	9,630892E+08	1,069371E+09	1,149704E+09	1,182561E+09	1,184848E+09	1,184858E+09	1,182583E+09	1,149721E+09
-1023	1,069367E+09	9,630736E+08	8,850305E+08	8,850301E+08	9,630753E+08	1,069367E+09	1,149719E+09	1,182590E+09	1,184874E+09	1,184859E+09	1,182552E+09	1,149676E+09
-1022	1,069335E+09	9,630590E+08	8,850286E+08	8,850330E+08	9,630713E+08	1,069348E+09	1,149690E+09	1,182569E+09	1,184869E+09	1,184866E+09	1,182567E+09	1,149707E+09
-1021	1,069392E+09	9,631321E+08	8,850940E+08	8,850868E+08	9,631122E+08	1,069370E+09	1,149695E+09	1,182563E+09	1,184862E+09	1,184867E+09	1,182573E+09	1,149700E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1020	1,069361E+09	9,630868E+08	8,850518E+08	8,850484E+08	9,630824E+08	1,069357E+09	1,149697E+09	1,182573E+09	1,184872E+09	1,184868E+09	1,182564E+09	1,149683E+09
-1019	1,069341E+09	9,630840E+08	8,850738E+08	8,850773E+08	9,630996E+08	1,069359E+09	1,149689E+09	1,182562E+09	1,184858E+09	1,184861E+09	1,182574E+09	1,149720E+09
-1018	1,069393E+09	9,631167E+08	8,850834E+08	8,850912E+08	9,631264E+08	1,069389E+09	1,149711E+09	1,182569E+09	1,184857E+09	1,184856E+09	1,182560E+09	1,149683E+09
-1017	1,069341E+09	9,630646E+08	8,850272E+08	8,850271E+08	9,630737E+08	1,069361E+09	1,149705E+09	1,182574E+09	1,184861E+09	1,184854E+09	1,182557E+09	1,149687E+09
-1016	1,069355E+09	9,630969E+08	8,850699E+08	8,850588E+08	9,630879E+08	1,069365E+09	1,149704E+09	1,182570E+09	1,184859E+09	1,184859E+09	1,182569E+09	1,149709E+09
-1015	1,069372E+09	9,630851E+08	8,850461E+08	8,850449E+08	9,630800E+08	1,069360E+09	1,149709E+09	1,182586E+09	1,184879E+09	1,184869E+09	1,182554E+09	1,149665E+09
-1014	1,069318E+09	9,630358E+08	8,849994E+08	8,850098E+08	9,630605E+08	1,069341E+09	1,149679E+09	1,182558E+09	1,184861E+09	1,184867E+09	1,182573E+09	1,149700E+09
-1013	1,069362E+09	9,630875E+08	8,850438E+08	8,850412E+08	9,630883E+08	1,069367E+09	1,149694E+09	1,182551E+09	1,184842E+09	1,184855E+09	1,182580E+09	1,149717E+09
-1012	1,069358E+09	9,630506E+08	8,849960E+08	8,849915E+08	9,630453E+08	1,069348E+09	1,149704E+09	1,182572E+09	1,184854E+09	1,184848E+09	1,182554E+09	1,149684E+09
-1011	1,069331E+09	9,630381E+08	8,849995E+08	8,850010E+08	9,630441E+08	1,069334E+09	1,149688E+09	1,182564E+09	1,184848E+09	1,184841E+09	1,182554E+09	1,149705E+09
-1010	1,069383E+09	9,630950E+08	8,850383E+08	8,850351E+08	9,630810E+08	1,069363E+09	1,149700E+09	1,182564E+09	1,184851E+09	1,184848E+09	1,182552E+09	1,149676E+09
-1009	1,069330E+09	9,630479E+08	8,849988E+08	8,849906E+08	9,630422E+08	1,069339E+09	1,149691E+09	1,182565E+09	1,184856E+09	1,184851E+09	1,182550E+09	1,149671E+09
-1008	1,069326E+09	9,630624E+08	8,850413E+08	8,850397E+08	9,630754E+08	1,069352E+09	1,149689E+09	1,182556E+09	1,184852E+09	1,184859E+09	1,182570E+09	1,149708E+09
-1007	1,069369E+09	9,630794E+08	8,850435E+08	8,850522E+08	9,630951E+08	1,069372E+09	1,149709E+09	1,182575E+09	1,184867E+09	1,184865E+09	1,182561E+09	1,149676E+09
-1006	1,069325E+09	9,630396E+08	8,850048E+08	8,850203E+08	9,630745E+08	1,069355E+09	1,149693E+09	1,182564E+09	1,184860E+09	1,184859E+09	1,182564E+09	1,149696E+09
-1005	1,069368E+09	9,631080E+08	8,850768E+08	8,850714E+08	9,631063E+08	1,069377E+09	1,149706E+09	1,182566E+09	1,184856E+09	1,184857E+09	1,182573E+09	1,149718E+09
-1004	1,069385E+09	9,631044E+08	8,850674E+08	8,850569E+08	9,630822E+08	1,069359E+09	1,149707E+09	1,182585E+09	1,184879E+09	1,184869E+09	1,182556E+09	1,149675E+09
-1003	1,069341E+09	9,630830E+08	8,850712E+08	8,850738E+08	9,630887E+08	1,069343E+09	1,149681E+09	1,182567E+09	1,184870E+09	1,184869E+09	1,182566E+09	1,149701E+09
-1002	1,069389E+09	9,631426E+08	8,851226E+08	8,851238E+08	9,631434E+08	1,069386E+09	1,149693E+09	1,182555E+09	1,184860E+09	1,184871E+09	1,182576E+09	1,149699E+09
-1001	1,069360E+09	9,630996E+08	8,850803E+08	8,850768E+08	9,631033E+08	1,069368E+09	1,149696E+09	1,182561E+09	1,184858E+09	1,184859E+09	1,182559E+09	1,149685E+09
-1000	1,069351E+09	9,630995E+08	8,850958E+08	8,851001E+08	9,631181E+08	1,069372E+09	1,149696E+09	1,182560E+09	1,184854E+09	1,184858E+09	1,182566E+09	1,149712E+09
-999	1,069400E+09	9,631351E+08	8,851049E+08	8,851060E+08	9,631305E+08	1,069389E+09	1,149717E+09	1,182581E+09	1,184871E+09	1,184863E+09	1,182556E+09	1,149677E+09
-998	1,069343E+09	9,630806E+08	8,850526E+08	8,850527E+08	9,630877E+08	1,069359E+09	1,149697E+09	1,182574E+09	1,184869E+09	1,184860E+09	1,182553E+09	1,149679E+09
-997	1,069354E+09	9,631090E+08	8,850959E+08	8,850898E+08	9,631089E+08	1,069370E+09	1,149699E+09	1,182567E+09	1,184864E+09	1,184865E+09	1,182571E+09	1,149710E+09
-996	1,069379E+09	9,630979E+08	8,850658E+08	8,850634E+08	9,630898E+08	1,069360E+09	1,149699E+09	1,182574E+09	1,184874E+09	1,184874E+09	1,182566E+09	1,149674E+09
-995	1,069326E+09	9,630498E+08	8,850234E+08	8,850335E+08	9,630710E+08	1,069343E+09	1,149683E+09	1,182559E+09	1,184855E+09	1,184858E+09	1,182566E+09	1,149699E+09
-994	1,069370E+09	9,631023E+08	8,850642E+08	8,850637E+08	9,631050E+08	1,069376E+09	1,149698E+09	1,182554E+09	1,184845E+09	1,184852E+09	1,182571E+09	1,149709E+09
-993	1,069363E+09	9,630746E+08	8,850291E+08	8,850151E+08	9,630541E+08	1,069347E+09	1,149697E+09	1,182567E+09	1,184853E+09	1,184843E+09	1,182543E+09	1,149674E+09
-992	1,069335E+09	9,630591E+08	8,850349E+08	8,850351E+08	9,630625E+08	1,069337E+09	1,149682E+09	1,182558E+09	1,184853E+09	1,184852E+09	1,182553E+09	1,149691E+09
-991	1,069375E+09	9,631067E+08	8,850670E+08	8,850671E+08	9,631000E+08	1,069365E+09	1,149696E+09	1,182565E+09	1,184862E+09	1,184863E+09	1,182562E+09	1,149676E+09
-990	1,069328E+09	9,630548E+08	8,850215E+08	8,850254E+08	9,630736E+08	1,069353E+09	1,149687E+09	1,182555E+09	1,184852E+09	1,184853E+09	1,182554E+09	1,149676E+09
-989	1,069334E+09	9,630735E+08	8,850623E+08	8,850679E+08	9,631005E+08	1,069371E+09	1,149698E+09	1,182556E+09	1,184848E+09	1,184853E+09	1,182567E+09	1,149715E+09
-988	1,069388E+09	9,631025E+08	8,850670E+08	8,850692E+08	9,631015E+08	1,069373E+09	1,149708E+09	1,182576E+09	1,184868E+09	1,184864E+09	1,182561E+09	1,149680E+09
-987	1,069342E+09	9,630715E+08	8,850443E+08	8,850496E+08	9,630806E+08	1,069350E+09	1,149693E+09	1,182573E+09	1,184866E+09	1,184857E+09	1,182552E+09	1,149686E+09
-986	1,069373E+09	9,631327E+08	8,851151E+08	8,851090E+08	9,631259E+08	1,069378E+09	1,149699E+09	1,182566E+09	1,184866E+09	1,184867E+09	1,182571E+09	1,149706E+09
-985	1,069381E+09	9,631274E+08	8,851102E+08	8,850985E+08	9,631065E+08	1,069360E+09	1,149692E+09	1,182569E+09	1,184873E+09	1,184871E+09	1,182559E+09	1,149674E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-984	1,069344E+09	9,630991E+08	8,851037E+08	8,851126E+08	9,631202E+08	1,069360E+09	1,149679E+09	1,182553E+09	1,184863E+09	1,184872E+09	1,182569E+09	1,149699E+09
-983	1,069390E+09	9,631528E+08	8,851438E+08	8,851483E+08	9,631623E+08	1,069400E+09	1,149706E+09	1,182563E+09	1,184864E+09	1,184872E+09	1,182578E+09	1,149703E+09
-982	1,069369E+09	9,631142E+08	8,851000E+08	8,851022E+08	9,631256E+08	1,069381E+09	1,149703E+09	1,182567E+09	1,184861E+09	1,184854E+09	1,182548E+09	1,149679E+09
-981	1,069360E+09	9,631185E+08	8,851187E+08	8,851209E+08	9,631307E+08	1,069380E+09	1,149703E+09	1,182571E+09	1,184866E+09	1,184858E+09	1,182557E+09	1,149704E+09
-980	1,069404E+09	9,631543E+08	8,851311E+08	8,851254E+08	9,631324E+08	1,069379E+09	1,149706E+09	1,182581E+09	1,184882E+09	1,184878E+09	1,182565E+09	1,149676E+09
-979	1,069344E+09	9,630958E+08	8,850821E+08	8,850822E+08	9,630970E+08	1,069350E+09	1,149687E+09	1,182570E+09	1,184872E+09	1,184866E+09	1,182557E+09	1,149677E+09
-978	1,069352E+09	9,631140E+08	8,851120E+08	8,851137E+08	9,631280E+08	1,069377E+09	1,149693E+09	1,182557E+09	1,184861E+09	1,184869E+09	1,182578E+09	1,149713E+09
-977	1,069382E+09	9,631128E+08	8,850884E+08	8,850837E+08	9,631011E+08	1,069361E+09	1,149691E+09	1,182559E+09	1,184857E+09	1,184862E+09	1,182563E+09	1,149681E+09
-976	1,069341E+09	9,630712E+08	8,850475E+08	8,850557E+08	9,630845E+08	1,069348E+09	1,149681E+09	1,182550E+09	1,184848E+09	1,184851E+09	1,182555E+09	1,149690E+09
-975	1,069376E+09	9,631241E+08	8,850919E+08	8,850852E+08	9,631127E+08	1,069376E+09	1,149699E+09	1,182560E+09	1,184852E+09	1,184854E+09	1,182564E+09	1,149699E+09
-974	1,069363E+09	9,630923E+08	8,850607E+08	8,850530E+08	9,630795E+08	1,069350E+09	1,149689E+09	1,182561E+09	1,184854E+09	1,184844E+09	1,182535E+09	1,149661E+09
-973	1,069331E+09	9,630715E+08	8,850627E+08	8,850723E+08	9,630934E+08	1,069352E+09	1,149684E+09	1,182557E+09	1,184855E+09	1,184853E+09	1,182553E+09	1,149688E+09
-972	1,069375E+09	9,631171E+08	8,850888E+08	8,850924E+08	9,631184E+08	1,069375E+09	1,149697E+09	1,182562E+09	1,184862E+09	1,184870E+09	1,182573E+09	1,149685E+09
-971	1,069336E+09	9,630692E+08	8,850464E+08	8,850522E+08	9,630872E+08	1,069360E+09	1,149698E+09	1,182566E+09	1,184855E+09	1,184850E+09	1,182551E+09	1,149677E+09
-970	1,069343E+09	9,630913E+08	8,850840E+08	8,850907E+08	9,631159E+08	1,069379E+09	1,149705E+09	1,182567E+09	1,184860E+09	1,184859E+09	1,182565E+09	1,149710E+09
-969	1,069395E+09	9,631336E+08	8,851048E+08	8,850948E+08	9,631079E+08	1,069366E+09	1,149699E+09	1,182571E+09	1,184870E+09	1,184868E+09	1,182559E+09	1,149678E+09
-968	1,069351E+09	9,631000E+08	8,850865E+08	8,850890E+08	9,630998E+08	1,069347E+09	1,149679E+09	1,182562E+09	1,184870E+09	1,184869E+09	1,182555E+09	1,149679E+09
-967	1,069373E+09	9,631513E+08	8,851497E+08	8,851465E+08	9,631489E+08	1,069380E+09	1,149689E+09	1,182559E+09	1,184870E+09	1,184878E+09	1,182581E+09	1,149711E+09
-966	1,069385E+09	9,631397E+08	8,851366E+08	8,851380E+08	9,631414E+08	1,069375E+09	1,149686E+09	1,182554E+09	1,184861E+09	1,184863E+09	1,182555E+09	1,149677E+09
-965	1,069354E+09	9,631166E+08	8,851283E+08	8,851427E+08	9,631468E+08	1,069379E+09	1,149691E+09	1,182556E+09	1,184857E+09	1,184858E+09	1,182558E+09	1,149699E+09
-964	1,069402E+09	9,631752E+08	8,851683E+08	8,851658E+08	9,631677E+08	1,069400E+09	1,149708E+09	1,182569E+09	1,184868E+09	1,184869E+09	1,182571E+09	1,149698E+09
-963	1,069376E+09	9,631380E+08	8,851332E+08	8,851279E+08	9,631299E+08	1,069376E+09	1,149707E+09	1,182579E+09	1,184872E+09	1,184855E+09	1,182537E+09	1,149663E+09
-962	1,069355E+09	9,631324E+08	8,851454E+08	8,851507E+08	9,631477E+08	1,069380E+09	1,149698E+09	1,182573E+09	1,184879E+09	1,184874E+09	1,182560E+09	1,149692E+09
-961	1,069395E+09	9,631676E+08	8,851583E+08	8,851523E+08	9,631480E+08	1,069377E+09	1,149690E+09	1,182564E+09	1,184876E+09	1,184883E+09	1,182575E+09	1,149683E+09
-960	1,069347E+09	9,631069E+08	8,851040E+08	8,851091E+08	9,631187E+08	1,069360E+09	1,149680E+09	1,182555E+09	1,184864E+09	1,184869E+09	1,182562E+09	1,149682E+09
-959	1,069358E+09	9,631252E+08	8,851281E+08	8,851312E+08	9,631396E+08	1,069381E+09	1,149696E+09	1,182559E+09	1,184860E+09	1,184867E+09	1,182579E+09	1,149721E+09
-958	1,069394E+09	9,631293E+08	8,851075E+08	8,851080E+08	9,631205E+08	1,069368E+09	1,149690E+09	1,182556E+09	1,184852E+09	1,184851E+09	1,182548E+09	1,149675E+09
-957	1,069351E+09	9,630951E+08	8,850763E+08	8,850819E+08	9,631004E+08	1,069356E+09	1,149686E+09	1,182557E+09	1,184851E+09	1,184845E+09	1,182543E+09	1,149679E+09
-956	1,069374E+09	9,631419E+08	8,851218E+08	8,851121E+08	9,631227E+08	1,069371E+09	1,149693E+09	1,182561E+09	1,184860E+09	1,184862E+09	1,182567E+09	1,149694E+09
-955	1,069360E+09	9,631054E+08	8,850904E+08	8,850870E+08	9,630998E+08	1,069356E+09	1,149691E+09	1,182563E+09	1,184858E+09	1,184848E+09	1,182536E+09	1,149657E+09
-954	1,069328E+09	9,630774E+08	8,850788E+08	8,850979E+08	9,631183E+08	1,069368E+09	1,149689E+09	1,182557E+09	1,184859E+09	1,184861E+09	1,182558E+09	1,149689E+09
-953	1,069378E+09	9,631341E+08	8,851115E+08	8,851122E+08	9,631299E+08	1,069378E+09	1,149696E+09	1,182558E+09	1,184856E+09	1,184865E+09	1,182573E+09	1,149694E+09
-952	1,069354E+09	9,630963E+08	8,850765E+08	8,850777E+08	9,630995E+08	1,069360E+09	1,149692E+09	1,182565E+09	1,184861E+09	1,184854E+09	1,182545E+09	1,149672E+09
-951	1,069352E+09	9,631186E+08	8,851195E+08	8,851182E+08	9,631235E+08	1,069371E+09	1,149698E+09	1,182572E+09	1,184873E+09	1,184869E+09	1,182567E+09	1,149708E+09
-950	1,069401E+09	9,631571E+08	8,851444E+08	8,851406E+08	9,631367E+08	1,069366E+09	1,149684E+09	1,182559E+09	1,184869E+09	1,184870E+09	1,182557E+09	1,149673E+09
-949	1,069355E+09	9,631224E+08	8,851233E+08	8,851314E+08	9,631332E+08	1,069363E+09	1,149677E+09	1,182553E+09	1,184863E+09	1,184863E+09	1,182553E+09	1,149679E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-948	1,069375E+09	9,631669E+08	8,851786E+08	8,851778E+08	9,631714E+08	1,069391E+09	1,149691E+09	1,182555E+09	1,184865E+09	1,184876E+09	1,182583E+09	1,149716E+09
-947	1,069394E+09	9,631582E+08	8,851656E+08	8,851689E+08	9,631612E+08	1,069387E+09	1,149700E+09	1,182564E+09	1,184861E+09	1,184854E+09	1,182542E+09	1,149669E+09
-946	1,069359E+09	9,631328E+08	8,851486E+08	8,851648E+08	9,631648E+08	1,069391E+09	1,149701E+09	1,182570E+09	1,184872E+09	1,184864E+09	1,182551E+09	1,149685E+09
-945	1,069398E+09	9,631971E+08	8,851996E+08	8,851882E+08	9,631743E+08	1,069395E+09	1,149702E+09	1,182569E+09	1,184875E+09	1,184876E+09	1,182571E+09	1,149695E+09
-944	1,069377E+09	9,631553E+08	8,851645E+08	8,851591E+08	9,631448E+08	1,069370E+09	1,149690E+09	1,182572E+09	1,184882E+09	1,184872E+09	1,182545E+09	1,149660E+09
-943	1,069351E+09	9,631403E+08	8,851660E+08	8,851742E+08	9,631623E+08	1,069379E+09	1,149687E+09	1,182566E+09	1,184883E+09	1,184886E+09	1,182576E+09	1,149705E+09
-942	1,069401E+09	9,631747E+08	8,851744E+08	8,851784E+08	9,631718E+08	1,069384E+09	1,149681E+09	1,182546E+09	1,184860E+09	1,184873E+09	1,182573E+09	1,149692E+09
-941	1,069363E+09	9,631263E+08	8,851238E+08	8,851287E+08	9,631356E+08	1,069372E+09	1,149686E+09	1,182553E+09	1,184851E+09	1,184848E+09	1,182548E+09	1,149684E+09
-940	1,069371E+09	9,631492E+08	8,851528E+08	8,851473E+08	9,631438E+08	1,069378E+09	1,149693E+09	1,182560E+09	1,184859E+09	1,184858E+09	1,182566E+09	1,149715E+09
-939	1,069402E+09	9,631542E+08	8,851425E+08	8,851369E+08	9,631308E+08	1,069367E+09	1,149693E+09	1,182563E+09	1,184858E+09	1,184846E+09	1,182530E+09	1,149655E+09
-938	1,069344E+09	9,631085E+08	8,851042E+08	8,851151E+08	9,631249E+08	1,069364E+09	1,149686E+09	1,182561E+09	1,184864E+09	1,184857E+09	1,182542E+09	1,149663E+09
-937	1,069360E+09	9,631523E+08	8,851489E+08	8,851407E+08	9,631432E+08	1,069377E+09	1,149687E+09	1,182553E+09	1,184859E+09	1,184868E+09	1,182573E+09	1,149697E+09
-936	1,069360E+09	9,631152E+08	8,851129E+08	8,851144E+08	9,631224E+08	1,069368E+09	1,149690E+09	1,182561E+09	1,184863E+09	1,184857E+09	1,182541E+09	1,149661E+09
-935	1,069333E+09	9,630900E+08	8,850967E+08	8,851152E+08	9,631298E+08	1,069373E+09	1,149694E+09	1,182567E+09	1,184870E+09	1,184869E+09	1,182564E+09	1,149699E+09
-934	1,069393E+09	9,631533E+08	8,851349E+08	8,851372E+08	9,631461E+08	1,069379E+09	1,149689E+09	1,182555E+09	1,184859E+09	1,184863E+09	1,182566E+09	1,149693E+09
-933	1,069368E+09	9,631278E+08	8,851154E+08	8,851106E+08	9,631161E+08	1,069361E+09	1,149689E+09	1,182564E+09	1,184864E+09	1,184852E+09	1,182541E+09	1,149669E+09
-932	1,069357E+09	9,631444E+08	8,851602E+08	8,851552E+08	9,631392E+08	1,069362E+09	1,149680E+09	1,182561E+09	1,184874E+09	1,184876E+09	1,182572E+09	1,149710E+09
-931	1,069404E+09	9,631761E+08	8,851819E+08	8,851821E+08	9,631645E+08	1,069376E+09	1,149681E+09	1,182550E+09	1,184862E+09	1,184866E+09	1,182553E+09	1,149670E+09
-930	1,069356E+09	9,631357E+08	8,851496E+08	8,851656E+08	9,631657E+08	1,069385E+09	1,149686E+09	1,182552E+09	1,184861E+09	1,184862E+09	1,182549E+09	1,149673E+09
-929	1,069377E+09	9,631864E+08	8,852058E+08	8,852014E+08	9,631870E+08	1,069399E+09	1,149694E+09	1,182554E+09	1,184860E+09	1,184866E+09	1,182572E+09	1,149714E+09
-928	1,069405E+09	9,631829E+08	8,851967E+08	8,851953E+08	9,631766E+08	1,069391E+09	1,149698E+09	1,182570E+09	1,184874E+09	1,184860E+09	1,182532E+09	1,149657E+09
-927	1,069359E+09	9,631522E+08	8,851780E+08	8,851884E+08	9,631735E+08	1,069386E+09	1,149697E+09	1,182578E+09	1,184890E+09	1,184879E+09	1,182556E+09	1,149682E+09
-926	1,069397E+09	9,632070E+08	8,852263E+08	8,852233E+08	9,631980E+08	1,069394E+09	1,149687E+09	1,182559E+09	1,184876E+09	1,184882E+09	1,182574E+09	1,149696E+09
-925	1,069381E+09	9,631704E+08	8,851909E+08	8,851890E+08	9,631690E+08	1,069381E+09	1,149688E+09	1,182563E+09	1,184874E+09	1,184869E+09	1,182550E+09	1,149670E+09
-924	1,069357E+09	9,631524E+08	8,851871E+08	8,851942E+08	9,631732E+08	1,069380E+09	1,149683E+09	1,182559E+09	1,184877E+09	1,184883E+09	1,182579E+09	1,149716E+09
-923	1,069416E+09	9,631933E+08	8,851980E+08	8,851991E+08	9,631839E+08	1,069392E+09	1,149690E+09	1,182550E+09	1,184856E+09	1,184861E+09	1,182557E+09	1,149684E+09
-922	1,069371E+09	9,631467E+08	8,851473E+08	8,851485E+08	9,631508E+08	1,069381E+09	1,149693E+09	1,182561E+09	1,184861E+09	1,184850E+09	1,182535E+09	1,149664E+09
-921	1,069367E+09	9,631708E+08	8,851851E+08	8,851710E+08	9,631523E+08	1,069374E+09	1,149686E+09	1,182558E+09	1,184864E+09	1,184861E+09	1,182560E+09	1,149705E+09
-920	1,069399E+09	9,631688E+08	8,851740E+08	8,851714E+08	9,631530E+08	1,069367E+09	1,149679E+09	1,182559E+09	1,184870E+09	1,184861E+09	1,182534E+09	1,149648E+09
-919	1,069335E+09	9,631113E+08	8,851219E+08	8,851380E+08	9,631445E+08	1,069371E+09	1,149683E+09	1,182560E+09	1,184873E+09	1,184872E+09	1,182557E+09	1,149674E+09
-918	1,069363E+09	9,631534E+08	8,851634E+08	8,851660E+08	9,631665E+08	1,069387E+09	1,149685E+09	1,182544E+09	1,184851E+09	1,184864E+09	1,182574E+09	1,149707E+09
-917	1,069377E+09	9,631361E+08	8,851354E+08	8,851333E+08	9,631352E+08	1,069375E+09	1,149695E+09	1,182562E+09	1,184858E+09	1,184847E+09	1,182536E+09	1,149666E+09
-916	1,069347E+09	9,631162E+08	8,851278E+08	8,851348E+08	9,631320E+08	1,069363E+09	1,149685E+09	1,182566E+09	1,184875E+09	1,184870E+09	1,182560E+09	1,149699E+09
-915	1,069406E+09	9,631837E+08	8,851779E+08	8,851719E+08	9,631597E+08	1,069376E+09	1,149683E+09	1,182552E+09	1,184861E+09	1,184863E+09	1,182554E+09	1,149680E+09
-914	1,069368E+09	9,631487E+08	8,851533E+08	8,851521E+08	9,631472E+08	1,069371E+09	1,149682E+09	1,182558E+09	1,184867E+09	1,184859E+09	1,182538E+09	1,149656E+09
-913	1,069352E+09	9,631630E+08	8,851955E+08	8,851923E+08	9,631677E+08	1,069374E+09	1,149674E+09	1,182548E+09	1,184864E+09	1,184872E+09	1,182571E+09	1,149713E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-912	1,069411E+09	9,631925E+08	8,852127E+08	8,852181E+08	9,631945E+08	1,069391E+09	1,149683E+09	1,182550E+09	1,184865E+09	1,184866E+09	1,182547E+09	1,149667E+09
-911	1,069360E+09	9,631498E+08	8,851723E+08	8,851876E+08	9,631828E+08	1,069396E+09	1,149697E+09	1,182567E+09	1,184874E+09	1,184868E+09	1,182549E+09	1,149675E+09
-910	1,069384E+09	9,632001E+08	8,852311E+08	8,852287E+08	9,632043E+08	1,069404E+09	1,149695E+09	1,182559E+09	1,184868E+09	1,184869E+09	1,182564E+09	1,149707E+09
-909	1,069412E+09	9,632075E+08	8,852314E+08	8,852239E+08	9,631899E+08	1,069392E+09	1,149697E+09	1,182574E+09	1,184882E+09	1,184867E+09	1,182536E+09	1,149656E+09
-908	1,069360E+09	9,631684E+08	8,852091E+08	8,852165E+08	9,631845E+08	1,069377E+09	1,149680E+09	1,182569E+09	1,184896E+09	1,184894E+09	1,182569E+09	1,149691E+09
-907	1,069405E+09	9,632213E+08	8,852526E+08	8,852505E+08	9,632165E+08	1,069401E+09	1,149683E+09	1,182547E+09	1,184868E+09	1,184880E+09	1,182573E+09	1,149699E+09
-906	1,069390E+09	9,631843E+08	8,852122E+08	8,852131E+08	9,631903E+08	1,069395E+09	1,149691E+09	1,182558E+09	1,184868E+09	1,184864E+09	1,182544E+09	1,149666E+09
-905	1,069366E+09	9,631755E+08	8,852131E+08	8,852130E+08	9,631817E+08	1,069381E+09	1,149679E+09	1,182552E+09	1,184866E+09	1,184869E+09	1,182566E+09	1,149712E+09
-904	1,069427E+09	9,632180E+08	8,852303E+08	8,852257E+08	9,631974E+08	1,069392E+09	1,149683E+09	1,182552E+09	1,184866E+09	1,184863E+09	1,182543E+09	1,149667E+09
-903	1,069367E+09	9,631627E+08	8,851775E+08	8,851752E+08	9,631648E+08	1,069382E+09	1,149691E+09	1,182567E+09	1,184875E+09	1,184863E+09	1,182537E+09	1,149657E+09
-902	1,069359E+09	9,631720E+08	8,852075E+08	8,852050E+08	9,631790E+08	1,069381E+09	1,149678E+09	1,182549E+09	1,184863E+09	1,184866E+09	1,182560E+09	1,149700E+09
-901	1,069398E+09	9,631775E+08	8,851960E+08	8,851981E+08	9,631779E+08	1,069385E+09	1,149685E+09	1,182556E+09	1,184865E+09	1,184861E+09	1,182541E+09	1,149657E+09
-900	1,069340E+09	9,631196E+08	8,851398E+08	8,851550E+08	9,631536E+08	1,069373E+09	1,149682E+09	1,182560E+09	1,184873E+09	1,184875E+09	1,182563E+09	1,149687E+09
-899	1,069380E+09	9,631705E+08	8,851834E+08	8,851815E+08	9,631752E+08	1,069394E+09	1,149691E+09	1,182548E+09	1,184852E+09	1,184858E+09	1,182563E+09	1,149703E+09
-898	1,069390E+09	9,631605E+08	8,851649E+08	8,851568E+08	9,631485E+08	1,069380E+09	1,149696E+09	1,182567E+09	1,184867E+09	1,184853E+09	1,182529E+09	1,149653E+09
-897	1,069351E+09	9,631446E+08	8,851683E+08	8,851665E+08	9,631421E+08	1,069354E+09	1,149669E+09	1,182555E+09	1,184874E+09	1,184872E+09	1,182558E+09	1,149694E+09
-896	1,069409E+09	9,632056E+08	8,852185E+08	8,852149E+08	9,631879E+08	1,069377E+09	1,149666E+09	1,182541E+09	1,184866E+09	1,184872E+09	1,182555E+09	1,149674E+09
-895	1,069366E+09	9,631609E+08	8,851826E+08	8,851856E+08	9,631753E+08	1,069386E+09	1,149682E+09	1,182553E+09	1,184867E+09	1,184865E+09	1,182545E+09	1,149662E+09
-894	1,069357E+09	9,631700E+08	8,852183E+08	8,852254E+08	9,631963E+08	1,069390E+09	1,149678E+09	1,182543E+09	1,184855E+09	1,184861E+09	1,182561E+09	1,149710E+09
-893	1,069424E+09	9,632171E+08	8,852426E+08	8,852445E+08	9,632135E+08	1,069405E+09	1,149694E+09	1,182558E+09	1,184864E+09	1,184857E+09	1,182539E+09	1,149664E+09
-892	1,069368E+09	9,631734E+08	8,852061E+08	8,852113E+08	9,631875E+08	1,069389E+09	1,149693E+09	1,182574E+09	1,184888E+09	1,184877E+09	1,182548E+09	1,149672E+09
-891	1,069391E+09	9,632219E+08	8,852668E+08	8,852598E+08	9,632182E+08	1,069405E+09	1,149692E+09	1,182559E+09	1,184877E+09	1,184877E+09	1,182561E+09	1,149696E+09
-890	1,069411E+09	9,632237E+08	8,852630E+08	8,852590E+08	9,632154E+08	1,069400E+09	1,149692E+09	1,182569E+09	1,184889E+09	1,184881E+09	1,182542E+09	1,149650E+09
-889	1,069359E+09	9,631848E+08	8,852375E+08	8,852448E+08	9,632028E+08	1,069382E+09	1,149671E+09	1,182554E+09	1,184885E+09	1,184892E+09	1,182574E+09	1,149700E+09
-888	1,069418E+09	9,632391E+08	8,852792E+08	8,852790E+08	9,632370E+08	1,069407E+09	1,149677E+09	1,182543E+09	1,184869E+09	1,184878E+09	1,182568E+09	1,149698E+09
-887	1,069399E+09	9,632001E+08	8,852324E+08	8,852314E+08	9,632032E+08	1,069402E+09	1,149696E+09	1,182565E+09	1,184875E+09	1,184865E+09	1,182540E+09	1,149664E+09
-886	1,069372E+09	9,631887E+08	8,852382E+08	8,852400E+08	9,631972E+08	1,069384E+09	1,149677E+09	1,182551E+09	1,184867E+09	1,184866E+09	1,182553E+09	1,149698E+09
-885	1,069429E+09	9,632381E+08	8,852623E+08	8,852548E+08	9,632127E+08	1,069395E+09	1,149682E+09	1,182552E+09	1,184866E+09	1,184864E+09	1,182543E+09	1,149660E+09
-884	1,069360E+09	9,631689E+08	8,852009E+08	8,852007E+08	9,631776E+08	1,069380E+09	1,149680E+09	1,182561E+09	1,184880E+09	1,184875E+09	1,182549E+09	1,149663E+09
-883	1,069362E+09	9,631765E+08	8,852230E+08	8,852249E+08	9,631975E+08	1,069396E+09	1,149682E+09	1,182542E+09	1,184858E+09	1,184865E+09	1,182560E+09	1,149700E+09
-882	1,069404E+09	9,631875E+08	8,852111E+08	8,852147E+08	9,631926E+08	1,069397E+09	1,149693E+09	1,182558E+09	1,184864E+09	1,184860E+09	1,182537E+09	1,149654E+09
-881	1,069352E+09	9,631437E+08	8,851639E+08	8,851705E+08	9,631562E+08	1,069368E+09	1,149676E+09	1,182555E+09	1,184869E+09	1,184867E+09	1,182554E+09	1,149686E+09
-880	1,069397E+09	9,632011E+08	8,852203E+08	8,852103E+08	9,631842E+08	1,069384E+09	1,149676E+09	1,182547E+09	1,184864E+09	1,184863E+09	1,182553E+09	1,149690E+09
-879	1,069391E+09	9,631823E+08	8,852019E+08	8,851917E+08	9,631662E+08	1,069378E+09	1,149687E+09	1,182564E+09	1,184875E+09	1,184864E+09	1,182533E+09	1,149648E+09
-878	1,069349E+09	9,631551E+08	8,852027E+08	8,852113E+08	9,631746E+08	1,069364E+09	1,149660E+09	1,182540E+09	1,184865E+09	1,184870E+09	1,182555E+09	1,149689E+09
-877	1,069412E+09	9,632232E+08	8,852516E+08	8,852521E+08	9,632189E+08	1,069400E+09	1,149675E+09	1,182537E+09	1,184855E+09	1,184865E+09	1,182557E+09	1,149677E+09

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												
-876	1,069370E+09	9,631746E+08	8,852097E+08	8,852139E+08	9,631934E+08	1,069395E+09	1,149689E+09	1,182559E+09	1,184873E+09	1,184867E+09	1,182545E+09	1,149667E+09
-875	1,069371E+09	9,631891E+08	8,852428E+08	8,852476E+08	9,632133E+08	1,069405E+09	1,149691E+09	1,182553E+09	1,184864E+09	1,184861E+09	1,182549E+09	1,149698E+09
-874	1,069429E+09	9,632408E+08	8,852758E+08	8,852730E+08	9,632291E+08	1,069412E+09	1,149700E+09	1,182570E+09	1,184882E+09	1,184871E+09	1,182536E+09	1,149651E+09
-873	1,069370E+09	9,631981E+08	8,852439E+08	8,852441E+08	9,631981E+08	1,069380E+09	1,149677E+09	1,182567E+09	1,184894E+09	1,184889E+09	1,182556E+09	1,149674E+09
-872	1,069396E+09	9,632396E+08	8,853004E+08	8,852975E+08	9,632408E+08	1,069402E+09	1,149672E+09	1,182549E+09	1,184885E+09	1,184890E+09	1,182571E+09	1,149699E+09
-871	1,069415E+09	9,632358E+08	8,852868E+08	8,852870E+08	9,632374E+08	1,069411E+09	1,149689E+09	1,182560E+09	1,184884E+09	1,184886E+09	1,182554E+09	1,149663E+09
-870	1,069371E+09	9,631960E+08	8,852587E+08	8,852719E+08	9,632218E+08	1,069390E+09	1,149669E+09	1,182542E+09	1,184868E+09	1,184875E+09	1,182562E+09	1,149699E+09
-869	1,069433E+09	9,632660E+08	8,853081E+08	8,853019E+08	9,632506E+08	1,069416E+09	1,149683E+09	1,182544E+09	1,184859E+09	1,184863E+09	1,182556E+09	1,149691E+09
-868	1,069403E+09	9,632217E+08	8,852646E+08	8,852567E+08	9,632096E+08	1,069396E+09	1,149690E+09	1,182567E+09	1,184882E+09	1,184867E+09	1,182533E+09	1,149655E+09
-867	1,069374E+09	9,632024E+08	8,852639E+08	8,852667E+08	9,632149E+08	1,069392E+09	1,149678E+09	1,182551E+09	1,184871E+09	1,184868E+09	1,182544E+09	1,149680E+09
-866	1,069419E+09	9,632455E+08	8,852848E+08	8,852844E+08	9,632382E+08	1,069410E+09	1,149686E+09	1,182553E+09	1,184872E+09	1,184873E+09	1,182546E+09	1,149653E+09
-865	1,069357E+09	9,631779E+08	8,852191E+08	8,852209E+08	9,631894E+08	1,069384E+09	1,149678E+09	1,182555E+09	1,184875E+09	1,184875E+09	1,182554E+09	1,149672E+09
-864	1,069373E+09	9,631898E+08	8,852405E+08	8,852444E+08	9,632082E+08	1,069396E+09	1,149680E+09	1,182548E+09	1,184867E+09	1,184868E+09	1,182558E+09	1,149700E+09
-863	1,069413E+09	9,632053E+08	8,852301E+08	8,852294E+08	9,631991E+08	1,069398E+09	1,149694E+09	1,182564E+09	1,184875E+09	1,184868E+09	1,182540E+09	1,149654E+09
-862	1,069360E+09	9,631620E+08	8,851944E+08	8,851998E+08	9,631674E+08	1,069364E+09	1,149666E+09	1,182548E+09	1,184868E+09	1,184866E+09	1,182546E+09	1,149677E+09
-861	1,069402E+09	9,632277E+08	8,852602E+08	8,852486E+08	9,632041E+08	1,069385E+09	1,149668E+09	1,182539E+09	1,184858E+09	1,184865E+09	1,182558E+09	1,149688E+09
-860	1,069389E+09	9,631964E+08	8,852349E+08	8,852296E+08	9,631894E+08	1,069381E+09	1,149675E+09	1,182553E+09	1,184874E+09	1,184870E+09	1,182541E+09	1,149655E+09
-859	1,069356E+09	9,631680E+08	8,852268E+08	8,852411E+08	9,632033E+08	1,069388E+09	1,149669E+09	1,182535E+09	1,184856E+09	1,184863E+09	1,182548E+09	1,149684E+09
-858	1,069417E+09	9,632407E+08	8,852778E+08	8,852806E+08	9,632423E+08	1,069419E+09	1,149690E+09	1,182546E+09	1,184858E+09	1,184862E+09	1,182546E+09	1,149668E+09
-857	1,069379E+09	9,632005E+08	8,852405E+08	8,852388E+08	9,632025E+08	1,069395E+09	1,149689E+09	1,182564E+09	1,184878E+09	1,184867E+09	1,182539E+09	1,149663E+09
-856	1,069382E+09	9,632170E+08	8,852801E+08	8,852809E+08	9,632266E+08	1,069398E+09	1,149681E+09	1,182560E+09	1,184885E+09	1,184875E+09	1,182547E+09	1,149687E+09
-855	1,069427E+09	9,632582E+08	8,853079E+08	8,853064E+08	9,632480E+08	1,069412E+09	1,149691E+09	1,182568E+09	1,184894E+09	1,184890E+09	1,182550E+09	1,149654E+09
-854	1,069369E+09	9,632086E+08	8,852745E+08	8,852837E+08	9,632252E+08	1,069386E+09	1,149666E+09	1,182550E+09	1,184884E+09	1,184888E+09	1,182560E+09	1,149679E+09
-853	1,069407E+09	9,632609E+08	8,853311E+08	8,853294E+08	9,632632E+08	1,069413E+09	1,149674E+09	1,182539E+09	1,184868E+09	1,184881E+09	1,182574E+09	1,149708E+09
-852	1,069424E+09	9,632521E+08	8,853111E+08	8,853111E+08	9,632500E+08	1,069413E+09	1,149688E+09	1,182559E+09	1,184882E+09	1,184880E+09	1,182550E+09	1,149668E+09
-851	1,069387E+09	9,632189E+08	8,852823E+08	8,852914E+08	9,632373E+08	1,069404E+09	1,149677E+09	1,182546E+09	1,184868E+09	1,184866E+09	1,182543E+09	1,149680E+09
-850	1,069433E+09	9,632881E+08	8,853396E+08	8,853285E+08	9,632643E+08	1,069422E+09	1,149689E+09	1,182553E+09	1,184870E+09	1,184868E+09	1,182544E+09	1,149671E+09
-849	1,069397E+09	9,632379E+08	8,852941E+08	8,852861E+08	9,632218E+08	1,069390E+09	1,149679E+09	1,182563E+09	1,184886E+09	1,184875E+09	1,182536E+09	1,149653E+09
-848	1,069372E+09	9,632115E+08	8,852847E+08	8,852955E+08	9,632349E+08	1,069392E+09	1,149667E+09	1,182548E+09	1,184881E+09	1,184878E+09	1,182550E+09	1,149679E+09
-847	1,069415E+09	9,632482E+08	8,852960E+08	8,853018E+08	9,632537E+08	1,069420E+09	1,149689E+09	1,182552E+09	1,184873E+09	1,184880E+09	1,182557E+09	1,149665E+09
-846	1,069365E+09	9,631865E+08	8,852355E+08	8,852407E+08	9,631997E+08	1,069385E+09	1,149676E+09	1,182549E+09	1,184866E+09	1,184864E+09	1,182547E+09	1,149674E+09
-845	1,069389E+09	9,632182E+08	8,852696E+08	8,852648E+08	9,632141E+08	1,069394E+09	1,149677E+09	1,182546E+09	1,184862E+09	1,184862E+09	1,182555E+09	1,149697E+09
-844	1,069418E+09	9,632296E+08	8,852650E+08	8,852581E+08	9,632063E+08	1,069388E+09	1,149681E+09	1,182560E+09	1,184881E+09	1,184874E+09	1,182540E+09	1,149653E+09
-843	1,069366E+09	9,631831E+08	8,852265E+08	8,852343E+08	9,631939E+08	1,069376E+09	1,149661E+09	1,182538E+09	1,184864E+09	1,184865E+09	1,182539E+09	1,149663E+09
-842	1,069397E+09	9,632431E+08	8,852925E+08	8,852877E+08	9,632376E+08	1,069405E+09	1,149673E+09	1,182536E+09	1,184857E+09	1,184865E+09	1,182555E+09	1,149682E+09
-841	1,069391E+09	9,632119E+08	8,852621E+08	8,852621E+08	9,632126E+08	1,069392E+09	1,149678E+09	1,182550E+09	1,184869E+09	1,184866E+09	1,182540E+09	1,149660E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-840	1,069368E+09	9,631860E+08	8,852501E+08	8,852690E+08	9,632230E+08	1,069394E+09	1,149675E+09	1,182550E+09	1,184872E+09	1,184866E+09	1,182542E+09	1,149677E+09
-839	1,069420E+09	9,632590E+08	8,853027E+08	8,853034E+08	9,632562E+08	1,069426E+09	1,149698E+09	1,182560E+09	1,184876E+09	1,184875E+09	1,182550E+09	1,149667E+09
-838	1,069383E+09	9,632195E+08	8,852753E+08	8,852718E+08	9,632136E+08	1,069389E+09	1,149680E+09	1,182562E+09	1,184884E+09	1,184874E+09	1,182538E+09	1,149658E+09
-837	1,069386E+09	9,632419E+08	8,853180E+08	8,853175E+08	9,632449E+08	1,069396E+09	1,149670E+09	1,182550E+09	1,184883E+09	1,184885E+09	1,182562E+09	1,149692E+09
-836	1,069428E+09	9,632736E+08	8,853385E+08	8,853400E+08	9,632682E+08	1,069412E+09	1,149676E+09	1,182554E+09	1,184891E+09	1,184897E+09	1,182562E+09	1,149669E+09
-835	1,069385E+09	9,632271E+08	8,852970E+08	8,853084E+08	9,632495E+08	1,069405E+09	1,149669E+09	1,182538E+09	1,184869E+09	1,184874E+09	1,182550E+09	1,149677E+09
-834	1,069418E+09	9,632849E+08	8,853600E+08	8,853567E+08	9,632828E+08	1,069426E+09	1,149683E+09	1,182543E+09	1,184864E+09	1,184868E+09	1,182555E+09	1,149698E+09
-833	1,069435E+09	9,632802E+08	8,853438E+08	8,853375E+08	9,632592E+08	1,069409E+09	1,149684E+09	1,182560E+09	1,184882E+09	1,184872E+09	1,182535E+09	1,149658E+09
-832	1,069392E+09	9,632426E+08	8,853169E+08	8,853245E+08	9,632520E+08	1,069398E+09	1,149671E+09	1,182555E+09	1,184886E+09	1,184874E+09	1,182534E+09	1,149661E+09
-831	1,069418E+09	9,632956E+08	8,853646E+08	8,853589E+08	9,632862E+08	1,069429E+09	1,149688E+09	1,182555E+09	1,184882E+09	1,184884E+09	1,182554E+09	1,149669E+09
-830	1,069387E+09	9,632386E+08	8,853142E+08	8,853151E+08	9,632438E+08	1,069399E+09	1,149675E+09	1,182554E+09	1,184882E+09	1,184877E+09	1,182540E+09	1,149656E+09
-829	1,069377E+09	9,632230E+08	8,853024E+08	8,853153E+08	9,632507E+08	1,069402E+09	1,149671E+09	1,182545E+09	1,184874E+09	1,184879E+09	1,182560E+09	1,149690E+09
-828	1,069423E+09	9,632594E+08	8,853105E+08	8,853157E+08	9,632595E+08	1,069417E+09	1,149686E+09	1,182554E+09	1,184878E+09	1,184882E+09	1,182560E+09	1,149675E+09
-827	1,069383E+09	9,632098E+08	8,852559E+08	8,852551E+08	9,632107E+08	1,069393E+09	1,149676E+09	1,182548E+09	1,184866E+09	1,184860E+09	1,182535E+09	1,149663E+09
-826	1,069393E+09	9,632440E+08	8,853059E+08	8,852955E+08	9,632282E+08	1,069393E+09	1,149673E+09	1,182546E+09	1,184867E+09	1,184865E+09	1,182547E+09	1,149686E+09
-825	1,069419E+09	9,632490E+08	8,852991E+08	8,852945E+08	9,632253E+08	1,069384E+09	1,149666E+09	1,182548E+09	1,184878E+09	1,184877E+09	1,182542E+09	1,149654E+09
-824	1,069370E+09	9,631994E+08	8,852553E+08	8,852706E+08	9,632218E+08	1,069383E+09	1,149656E+09	1,182536E+09	1,184868E+09	1,184867E+09	1,182539E+09	1,149660E+09
-823	1,069394E+09	9,632513E+08	8,853112E+08	8,853118E+08	9,632604E+08	1,069423E+09	1,149684E+09	1,182540E+09	1,184858E+09	1,184865E+09	1,182555E+09	1,149685E+09
-822	1,069397E+09	9,632260E+08	8,852868E+08	8,852881E+08	9,632288E+08	1,069399E+09	1,149682E+09	1,182553E+09	1,184867E+09	1,184856E+09	1,182528E+09	1,149656E+09
-821	1,069380E+09	9,632165E+08	8,852844E+08	8,852950E+08	9,632337E+08	1,069394E+09	1,149674E+09	1,182553E+09	1,184876E+09	1,184869E+09	1,182541E+09	1,149672E+09
-820	1,069420E+09	9,632789E+08	8,853372E+08	8,853346E+08	9,632666E+08	1,069416E+09	1,149685E+09	1,182560E+09	1,184889E+09	1,184889E+09	1,182557E+09	1,149670E+09
-819	1,069390E+09	9,632404E+08	8,853076E+08	8,853065E+08	9,632414E+08	1,069399E+09	1,149672E+09	1,182550E+09	1,184882E+09	1,184877E+09	1,182539E+09	1,149653E+09
-818	1,069388E+09	9,632622E+08	8,853537E+08	8,853552E+08	9,632726E+08	1,069408E+09	1,149669E+09	1,182544E+09	1,184879E+09	1,184884E+09	1,182560E+09	1,149694E+09
-817	1,069438E+09	9,632941E+08	8,853686E+08	8,853715E+08	9,632877E+08	1,069417E+09	1,149673E+09	1,182547E+09	1,184882E+09	1,184889E+09	1,182558E+09	1,149675E+09
-816	1,069402E+09	9,632532E+08	8,853270E+08	8,853378E+08	9,632686E+08	1,069408E+09	1,149670E+09	1,182548E+09	1,184878E+09	1,184870E+09	1,182535E+09	1,149665E+09
-815	1,069419E+09	9,633039E+08	8,853879E+08	8,853816E+08	9,632988E+08	1,069434E+09	1,149689E+09	1,182554E+09	1,184877E+09	1,184874E+09	1,182550E+09	1,149688E+09
-814	1,069430E+09	9,632945E+08	8,853777E+08	8,853718E+08	9,632759E+08	1,069408E+09	1,149677E+09	1,182558E+09	1,184886E+09	1,184876E+09	1,182531E+09	1,149648E+09
-813	1,069388E+09	9,632572E+08	8,853459E+08	8,853561E+08	9,632735E+08	1,069401E+09	1,149663E+09	1,182547E+09	1,184886E+09	1,184886E+09	1,182549E+09	1,149664E+09
-812	1,069411E+09	9,632963E+08	8,853805E+08	8,853810E+08	9,633035E+08	1,069434E+09	1,149682E+09	1,182548E+09	1,184883E+09	1,184893E+09	1,182569E+09	1,149685E+09
-811	1,069400E+09	9,632491E+08	8,853247E+08	8,853270E+08	9,632605E+08	1,069415E+09	1,149680E+09	1,182548E+09	1,184872E+09	1,184868E+09	1,182535E+09	1,149658E+09
-810	1,069388E+09	9,632441E+08	8,853252E+08	8,853314E+08	9,632593E+08	1,069406E+09	1,149676E+09	1,182550E+09	1,184874E+09	1,184871E+09	1,182546E+09	1,149687E+09
-809	1,069438E+09	9,632865E+08	8,853406E+08	8,853362E+08	9,632624E+08	1,069406E+09	1,149674E+09	1,182550E+09	1,184879E+09	1,184879E+09	1,182550E+09	1,149671E+09
-808	1,069393E+09	9,632359E+08	8,852913E+08	8,852876E+08	9,632251E+08	1,069384E+09	1,149664E+09	1,182550E+09	1,184876E+09	1,184864E+09	1,182526E+09	1,149648E+09
-807	1,069384E+09	9,632556E+08	8,853350E+08	8,853302E+08	9,632560E+08	1,069404E+09	1,149671E+09	1,182543E+09	1,184870E+09	1,184872E+09	1,182551E+09	1,149684E+09
-806	1,069413E+09	9,632565E+08	8,853274E+08	8,853290E+08	9,632520E+08	1,069396E+09	1,149664E+09	1,182539E+09	1,184867E+09	1,184869E+09	1,182538E+09	1,149654E+09
-805	1,069375E+09	9,632146E+08	8,852801E+08	8,852968E+08	9,632432E+08	1,069397E+09	1,149664E+09	1,182537E+09	1,184864E+09	1,184867E+09	1,182542E+09	1,149662E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-804	1,069396E+09	9,632627E+08	8,853318E+08	8,853320E+08	9,632731E+08	1,069427E+09	1,149688E+09	1,182550E+09	1,184871E+09	1,184872E+09	1,182554E+09	1,149688E+09
-803	1,069409E+09	9,632495E+08	8,853118E+08	8,853070E+08	9,632433E+08	1,069407E+09	1,149684E+09	1,182558E+09	1,184876E+09	1,184861E+09	1,182520E+09	1,149644E+09
-802	1,069381E+09	9,632420E+08	8,853245E+08	8,853292E+08	9,632494E+08	1,069391E+09	1,149668E+09	1,182555E+09	1,184887E+09	1,184879E+09	1,182540E+09	1,149669E+09
-801	1,069426E+09	9,632985E+08	8,853727E+08	8,853717E+08	9,632862E+08	1,069409E+09	1,149664E+09	1,182545E+09	1,184888E+09	1,184896E+09	1,182566E+09	1,149680E+09
-800	1,069402E+09	9,632613E+08	8,853407E+08	8,853433E+08	9,632669E+08	1,069403E+09	1,149663E+09	1,182544E+09	1,184880E+09	1,184877E+09	1,182538E+09	1,149655E+09
-799	1,069394E+09	9,632785E+08	8,853805E+08	8,853845E+08	9,632968E+08	1,069423E+09	1,149674E+09	1,182542E+09	1,184874E+09	1,184880E+09	1,182557E+09	1,149696E+09
-798	1,069447E+09	9,633154E+08	8,854018E+08	8,854015E+08	9,633052E+08	1,069422E+09	1,149673E+09	1,182544E+09	1,184876E+09	1,184875E+09	1,182540E+09	1,149666E+09
-797	1,069411E+09	9,632832E+08	8,853659E+08	8,853689E+08	9,632854E+08	1,069412E+09	1,149670E+09	1,182548E+09	1,184881E+09	1,184874E+09	1,182531E+09	1,149652E+09
-796	1,069411E+09	9,633157E+08	8,854183E+08	8,854131E+08	9,633160E+08	1,069434E+09	1,149682E+09	1,182556E+09	1,184891E+09	1,184888E+09	1,182553E+09	1,149684E+09
-795	1,069430E+09	9,633051E+08	8,853986E+08	8,853988E+08	9,633048E+08	1,069425E+09	1,149677E+09	1,182552E+09	1,184887E+09	1,184881E+09	1,182532E+09	1,149643E+09
-794	1,069386E+09	9,632676E+08	8,853692E+08	8,853809E+08	9,632941E+08	1,069415E+09	1,149670E+09	1,182549E+09	1,184887E+09	1,184887E+09	1,182549E+09	1,149671E+09
-793	1,069422E+09	9,633058E+08	8,853960E+08	8,853968E+08	9,633120E+08	1,069434E+09	1,149679E+09	1,182546E+09	1,184881E+09	1,184891E+09	1,182569E+09	1,149696E+09
-792	1,069420E+09	9,632722E+08	8,853475E+08	8,853441E+08	9,632666E+08	1,069410E+09	1,149679E+09	1,182558E+09	1,184882E+09	1,184869E+09	1,182526E+09	1,149650E+09
-791	1,069393E+09	9,632643E+08	8,853520E+08	8,853505E+08	9,632658E+08	1,069404E+09	1,149672E+09	1,182552E+09	1,184883E+09	1,184877E+09	1,182543E+09	1,149679E+09
-790	1,069435E+09	9,633031E+08	8,853766E+08	8,853687E+08	9,632760E+08	1,069399E+09	1,149658E+09	1,182539E+09	1,184876E+09	1,184879E+09	1,182545E+09	1,149663E+09
-789	1,069394E+09	9,632540E+08	8,853253E+08	8,853233E+08	9,632510E+08	1,069390E+09	1,149652E+09	1,182533E+09	1,184869E+09	1,184869E+09	1,182533E+09	1,149647E+09
-788	1,069379E+09	9,632578E+08	8,853535E+08	8,853559E+08	9,632785E+08	1,069415E+09	1,149669E+09	1,182536E+09	1,184868E+09	1,184874E+09	1,182553E+09	1,149691E+09
-787	1,069424E+09	9,632693E+08	8,853429E+08	8,853478E+08	9,632763E+08	1,069417E+09	1,149674E+09	1,182538E+09	1,184861E+09	1,184858E+09	1,182526E+09	1,149648E+09
-786	1,069382E+09	9,632375E+08	8,853107E+08	8,853196E+08	9,632554E+08	1,069403E+09	1,149672E+09	1,182548E+09	1,184873E+09	1,184863E+09	1,182528E+09	1,149655E+09
-785	1,069406E+09	9,632845E+08	8,853646E+08	8,853578E+08	9,632802E+08	1,069418E+09	1,149677E+09	1,182550E+09	1,184881E+09	1,184880E+09	1,182552E+09	1,149685E+09
-784	1,069418E+09	9,632752E+08	8,853512E+08	8,853442E+08	9,632607E+08	1,069401E+09	1,149672E+09	1,182559E+09	1,184889E+09	1,184874E+09	1,182521E+09	1,149635E+09
-783	1,069377E+09	9,632562E+08	8,853576E+08	8,853665E+08	9,632780E+08	1,069402E+09	1,149662E+09	1,182548E+09	1,184890E+09	1,184890E+09	1,182550E+09	1,149673E+09
-782	1,069428E+09	9,633128E+08	8,854072E+08	8,854086E+08	9,633122E+08	1,069419E+09	1,149660E+09	1,182532E+09	1,184875E+09	1,184889E+09	1,182563E+09	1,149685E+09
-781	1,069417E+09	9,632856E+08	8,853741E+08	8,853764E+08	9,632918E+08	1,069416E+09	1,149666E+09	1,182538E+09	1,184873E+09	1,184874E+09	1,182537E+09	1,149655E+09
-780	1,069401E+09	9,632964E+08	8,854076E+08	8,854101E+08	9,633141E+08	1,069431E+09	1,149679E+09	1,182549E+09	1,184882E+09	1,184881E+09	1,182550E+09	1,149693E+09
-779	1,069458E+09	9,633404E+08	8,854313E+08	8,854269E+08	9,633256E+08	1,069435E+09	1,149677E+09	1,182548E+09	1,184881E+09	1,184876E+09	1,182529E+09	1,149649E+09
-778	1,069407E+09	9,633030E+08	8,854043E+08	8,854041E+08	9,633047E+08	1,069416E+09	1,149670E+09	1,182554E+09	1,184893E+09	1,184883E+09	1,182530E+09	1,149648E+09
-777	1,069411E+09	9,633230E+08	8,854426E+08	8,854422E+08	9,633349E+08	1,069434E+09	1,149671E+09	1,182547E+09	1,184894E+09	1,184899E+09	1,182563E+09	1,149693E+09
-776	1,069440E+09	9,633172E+08	8,854182E+08	8,854204E+08	9,633191E+08	1,069429E+09	1,149676E+09	1,182553E+09	1,184889E+09	1,184884E+09	1,182534E+09	1,149646E+09
-775	1,069392E+09	9,632788E+08	8,853855E+08	8,853964E+08	9,633049E+08	1,069422E+09	1,149674E+09	1,182550E+09	1,184887E+09	1,184886E+09	1,182548E+09	1,149675E+09
-774	1,069433E+09	9,633269E+08	8,854238E+08	8,854150E+08	9,633143E+08	1,069425E+09	1,149669E+09	1,182540E+09	1,184875E+09	1,184880E+09	1,182555E+09	1,149689E+09
-773	1,069431E+09	9,632999E+08	8,853839E+08	8,853717E+08	9,632759E+08	1,069404E+09	1,149666E+09	1,182546E+09	1,184881E+09	1,184873E+09	1,182523E+09	1,149639E+09
-772	1,069388E+09	9,632759E+08	8,853819E+08	8,853828E+08	9,632847E+08	1,069403E+09	1,149660E+09	1,182543E+09	1,184885E+09	1,184885E+09	1,182545E+09	1,149675E+09
-771	1,069436E+09	9,633144E+08	8,853982E+08	8,853976E+08	9,633080E+08	1,069419E+09	1,149657E+09	1,182527E+09	1,184867E+09	1,184875E+09	1,182540E+09	1,149654E+09
-770	1,069390E+09	9,632651E+08	8,853523E+08	8,853528E+08	9,632762E+08	1,069409E+09	1,149664E+09	1,182537E+09	1,184868E+09	1,184864E+09	1,182527E+09	1,149649E+09
-769	1,069387E+09	9,632650E+08	8,853702E+08	8,853762E+08	9,632928E+08	1,069422E+09	1,149673E+09	1,182541E+09	1,184872E+09	1,184873E+09	1,182549E+09	1,149692E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-768	1,069438E+09	9,632908E+08	8,853676E+08	8,853677E+08	9,632847E+08	1,069418E+09	1,149680E+09	1,182555E+09	1,184877E+09	1,184864E+09	1,182518E+09	1,149637E+09
-767	1,069383E+09	9,632559E+08	8,853415E+08	8,853449E+08	9,632656E+08	1,069403E+09	1,149671E+09	1,182555E+09	1,184888E+09	1,184879E+09	1,182533E+09	1,149650E+09
-766	1,069405E+09	9,633023E+08	8,854024E+08	8,853927E+08	9,632941E+08	1,069410E+09	1,149660E+09	1,182539E+09	1,184881E+09	1,184887E+09	1,182557E+09	1,149685E+09
-765	1,069425E+09	9,632966E+08	8,853881E+08	8,853833E+08	9,632876E+08	1,069406E+09	1,149658E+09	1,182538E+09	1,184882E+09	1,184885E+09	1,182535E+09	1,149642E+09
-764	1,069383E+09	9,632689E+08	8,853838E+08	8,853968E+08	9,633018E+08	1,069414E+09	1,149660E+09	1,182537E+09	1,184882E+09	1,184889E+09	1,182553E+09	1,149684E+09
-763	1,069447E+09	9,633365E+08	8,854318E+08	8,854342E+08	9,633383E+08	1,069439E+09	1,149666E+09	1,182529E+09	1,184866E+09	1,184873E+09	1,182546E+09	1,149676E+09
-762	1,069428E+09	9,633173E+08	8,854156E+08	8,854093E+08	9,633095E+08	1,069424E+09	1,149674E+09	1,182549E+09	1,184879E+09	1,184865E+09	1,182517E+09	1,149645E+09
-761	1,069409E+09	9,633171E+08	8,854426E+08	8,854425E+08	9,633278E+08	1,069428E+09	1,149672E+09	1,182552E+09	1,184893E+09	1,184888E+09	1,182544E+09	1,149682E+09
-760	1,069460E+09	9,633614E+08	8,854680E+08	8,854642E+08	9,633457E+08	1,069436E+09	1,149675E+09	1,182555E+09	1,184894E+09	1,184888E+09	1,182530E+09	1,149638E+09
-759	1,069398E+09	9,633106E+08	8,854302E+08	8,854346E+08	9,633274E+08	1,069428E+09	1,149671E+09	1,182553E+09	1,184899E+09	1,184895E+09	1,182541E+09	1,149651E+09
-758	1,069408E+09	9,633300E+08	8,854646E+08	8,854655E+08	9,633485E+08	1,069438E+09	1,149668E+09	1,182540E+09	1,184887E+09	1,184896E+09	1,182565E+09	1,149699E+09
-757	1,069454E+09	9,633367E+08	8,854419E+08	8,854425E+08	9,633325E+08	1,069432E+09	1,149671E+09	1,182545E+09	1,184887E+09	1,184888E+09	1,182537E+09	1,149647E+09
-756	1,069401E+09	9,632948E+08	8,854055E+08	8,854126E+08	9,633112E+08	1,069420E+09	1,149668E+09	1,182550E+09	1,184892E+09	1,184889E+09	1,182545E+09	1,149673E+09
-755	1,069444E+09	9,633499E+08	8,854494E+08	8,854382E+08	9,633296E+08	1,069429E+09	1,149663E+09	1,182533E+09	1,184873E+09	1,184878E+09	1,182546E+09	1,149676E+09
-754	1,069429E+09	9,633195E+08	8,854214E+08	8,854090E+08	9,632968E+08	1,069406E+09	1,149659E+09	1,182542E+09	1,184880E+09	1,184871E+09	1,182519E+09	1,149636E+09
-753	1,069388E+09	9,632810E+08	8,854032E+08	8,854124E+08	9,633071E+08	1,069410E+09	1,149652E+09	1,182531E+09	1,184879E+09	1,184886E+09	1,182548E+09	1,149677E+09
-752	1,069442E+09	9,633268E+08	8,854185E+08	8,854211E+08	9,633256E+08	1,069432E+09	1,149668E+09	1,182532E+09	1,184865E+09	1,184870E+09	1,182534E+09	1,149650E+09
-751	1,069393E+09	9,632759E+08	8,853701E+08	8,853712E+08	9,632895E+08	1,069422E+09	1,149677E+09	1,182547E+09	1,184874E+09	1,184864E+09	1,182522E+09	1,149644E+09
-750	1,069392E+09	9,632838E+08	8,853972E+08	8,853958E+08	9,632972E+08	1,069417E+09	1,149669E+09	1,182544E+09	1,184877E+09	1,184873E+09	1,182540E+09	1,149684E+09
-749	1,069446E+09	9,633166E+08	8,854041E+08	8,853991E+08	9,632972E+08	1,069413E+09	1,149667E+09	1,182547E+09	1,184886E+09	1,184882E+09	1,182525E+09	1,149631E+09
-748	1,069381E+09	9,632697E+08	8,853721E+08	8,853794E+08	9,632860E+08	1,069403E+09	1,149659E+09	1,182547E+09	1,184893E+09	1,184893E+09	1,182544E+09	1,149656E+09
-747	1,069414E+09	9,633211E+08	8,854296E+08	8,854262E+08	9,633248E+08	1,069425E+09	1,149655E+09	1,182525E+09	1,184871E+09	1,184884E+09	1,182558E+09	1,149686E+09
-746	1,069433E+09	9,633185E+08	8,854249E+08	8,854211E+08	9,633140E+08	1,069422E+09	1,149665E+09	1,182538E+09	1,184876E+09	1,184874E+09	1,182529E+09	1,149649E+09
-745	1,069399E+09	9,632889E+08	8,854121E+08	8,854264E+08	9,633211E+08	1,069421E+09	1,149662E+09	1,182539E+09	1,184883E+09	1,184884E+09	1,182544E+09	1,149681E+09
-744	1,069463E+09	9,633672E+08	8,854673E+08	8,854619E+08	9,633502E+08	1,069443E+09	1,149675E+09	1,182543E+09	1,184877E+09	1,184875E+09	1,182533E+09	1,149658E+09
-743	1,069424E+09	9,633370E+08	8,854523E+08	8,854443E+08	9,633269E+08	1,069429E+09	1,149677E+09	1,182558E+09	1,184895E+09	1,184879E+09	1,182518E+09	1,149633E+09
-742	1,069401E+09	9,633304E+08	8,854765E+08	8,854788E+08	9,633465E+08	1,069424E+09	1,149658E+09	1,182544E+09	1,184896E+09	1,184897E+09	1,182549E+09	1,149679E+09
-741	1,069459E+09	9,633735E+08	8,854951E+08	8,854971E+08	9,633698E+08	1,069443E+09	1,149664E+09	1,182537E+09	1,184892E+09	1,184902E+09	1,182546E+09	1,149646E+09
-740	1,069401E+09	9,633170E+08	8,854459E+08	8,854551E+08	9,633430E+08	1,069436E+09	1,149671E+09	1,182547E+09	1,184894E+09	1,184897E+09	1,182549E+09	1,149664E+09
-739	1,069428E+09	9,633506E+08	8,854806E+08	8,854808E+08	9,633611E+08	1,069444E+09	1,149668E+09	1,182535E+09	1,184878E+09	1,184884E+09	1,182553E+09	1,149694E+09
-738	1,069465E+09	9,633665E+08	8,854771E+08	8,854686E+08	9,633417E+08	1,069431E+09	1,149669E+09	1,182547E+09	1,184887E+09	1,184878E+09	1,182522E+09	1,149642E+09
-737	1,069409E+09	9,633147E+08	8,854362E+08	8,854419E+08	9,633232E+08	1,069413E+09	1,149655E+09	1,182542E+09	1,184892E+09	1,184890E+09	1,182539E+09	1,149664E+09
-736	1,069446E+09	9,633688E+08	8,854804E+08	8,854711E+08	9,633491E+08	1,069434E+09	1,149662E+09	1,182533E+09	1,184873E+09	1,184878E+09	1,182541E+09	1,149663E+09
-735	1,069419E+09	9,633250E+08	8,854442E+08	8,854402E+08	9,633233E+08	1,069425E+09	1,149668E+09	1,182543E+09	1,184880E+09	1,184873E+09	1,182521E+09	1,149634E+09
-734	1,069384E+09	9,632869E+08	8,854209E+08	8,854341E+08	9,633224E+08	1,069419E+09	1,149658E+09	1,182533E+09	1,184876E+09	1,184880E+09	1,182543E+09	1,149676E+09
-733	1,069449E+09	9,633427E+08	8,854392E+08	8,854421E+08	9,633394E+08	1,069439E+09	1,149670E+09	1,182534E+09	1,184873E+09	1,184879E+09	1,182536E+09	1,149647E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	1,069397E+09	9,632911E+08	8,853901E+08	8,853876E+08	9,632946E+08	1,069420E+09	1,149677E+09	1,182555E+09	1,184888E+09	1,184877E+09	1,182526E+09	1,149644E+09
-731	1,069400E+09	9,633057E+08	8,854231E+08	8,854208E+08	9,633101E+08	1,069414E+09	1,149661E+09	1,182540E+09	1,184882E+09	1,184880E+09	1,182541E+09	1,149678E+09
-730	1,069447E+09	9,633399E+08	8,854436E+08	8,854389E+08	9,633191E+08	1,069413E+09	1,149656E+09	1,182540E+09	1,184887E+09	1,184884E+09	1,182531E+09	1,149640E+09
-729	1,069390E+09	9,632835E+08	8,853986E+08	8,854127E+08	9,633094E+08	1,069407E+09	1,149647E+09	1,182530E+09	1,184884E+09	1,184892E+09	1,182548E+09	1,149666E+09
-728	1,069431E+09	9,633463E+08	8,854610E+08	8,854573E+08	9,633439E+08	1,069437E+09	1,149664E+09	1,182526E+09	1,184862E+09	1,184873E+09	1,182548E+09	1,149682E+09
-727	1,069441E+09	9,633422E+08	8,854583E+08	8,854536E+08	9,633338E+08	1,069433E+09	1,149673E+09	1,182544E+09	1,184878E+09	1,184867E+09	1,182516E+09	1,149637E+09
-726	1,069402E+09	9,633151E+08	8,854502E+08	8,854578E+08	9,633338E+08	1,069420E+09	1,149658E+09	1,182541E+09	1,184887E+09	1,184881E+09	1,182531E+09	1,149664E+09
-725	1,069461E+09	9,633917E+08	8,855092E+08	8,855038E+08	9,633737E+08	1,069445E+09	1,149665E+09	1,182537E+09	1,184888E+09	1,184892E+09	1,182537E+09	1,149647E+09
-724	1,069416E+09	9,633459E+08	8,854792E+08	8,854787E+08	9,633520E+08	1,069437E+09	1,149673E+09	1,182555E+09	1,184904E+09	1,184895E+09	1,182531E+09	1,149638E+09
-723	1,069405E+09	9,633411E+08	8,854943E+08	8,855062E+08	9,633740E+08	1,069440E+09	1,149659E+09	1,182537E+09	1,184891E+09	1,184897E+09	1,182553E+09	1,149684E+09
-722	1,069466E+09	9,633909E+08	8,855219E+08	8,855253E+08	9,633887E+08	1,069453E+09	1,149669E+09	1,182540E+09	1,184889E+09	1,184893E+09	1,182544E+09	1,149659E+09
-721	1,069419E+09	9,633349E+08	8,854656E+08	8,854739E+08	9,633525E+08	1,069435E+09	1,149667E+09	1,182546E+09	1,184894E+09	1,184893E+09	1,182543E+09	1,149666E+09
-720	1,069445E+09	9,633816E+08	8,855129E+08	8,855020E+08	9,633643E+08	1,069441E+09	1,149670E+09	1,182541E+09	1,184882E+09	1,184882E+09	1,182542E+09	1,149680E+09
-719	1,069462E+09	9,633855E+08	8,855113E+08	8,855015E+08	9,633569E+08	1,069431E+09	1,149666E+09	1,182548E+09	1,184894E+09	1,184884E+09	1,182520E+09	1,149630E+09
-718	1,069401E+09	9,633278E+08	8,854655E+08	8,854741E+08	9,633431E+08	1,069413E+09	1,149642E+09	1,182530E+09	1,184888E+09	1,184890E+09	1,182538E+09	1,149659E+09
-717	1,069443E+09	9,633786E+08	8,855031E+08	8,855006E+08	9,633745E+08	1,069446E+09	1,149657E+09	1,182520E+09	1,184870E+09	1,184885E+09	1,182546E+09	1,149664E+09
-716	1,069418E+09	9,633293E+08	8,854552E+08	8,854570E+08	9,633390E+08	1,069437E+09	1,149677E+09	1,182548E+09	1,184882E+09	1,184873E+09	1,182523E+09	1,149641E+09
-715	1,069398E+09	9,633038E+08	8,854333E+08	8,854478E+08	9,633340E+08	1,069424E+09	1,149662E+09	1,182538E+09	1,184878E+09	1,184874E+09	1,182532E+09	1,149669E+09
-714	1,069454E+09	9,633666E+08	8,854715E+08	8,854678E+08	9,633476E+08	1,069435E+09	1,149668E+09	1,182541E+09	1,184881E+09	1,184878E+09	1,182531E+09	1,149647E+09
-713	1,069404E+09	9,633094E+08	8,854205E+08	8,854181E+08	9,633073E+08	1,069411E+09	1,149661E+09	1,182547E+09	1,184894E+09	1,184888E+09	1,182532E+09	1,149644E+09
-712	1,069407E+09	9,633298E+08	8,854578E+08	8,854535E+08	9,633267E+08	1,069416E+09	1,149655E+09	1,182534E+09	1,184880E+09	1,184884E+09	1,182544E+09	1,149675E+09
-711	1,069445E+09	9,633540E+08	8,854743E+08	8,854752E+08	9,633468E+08	1,069428E+09	1,149659E+09	1,182535E+09	1,184882E+09	1,184884E+09	1,182533E+09	1,149641E+09
-710	1,069396E+09	9,633031E+08	8,854286E+08	8,854443E+08	9,633308E+08	1,069415E+09	1,149647E+09	1,182526E+09	1,184876E+09	1,184880E+09	1,182538E+09	1,149662E+09
-709	1,069441E+09	9,633712E+08	8,854928E+08	8,854891E+08	9,633661E+08	1,069445E+09	1,149662E+09	1,182525E+09	1,184868E+09	1,184876E+09	1,182540E+09	1,149673E+09
-708	1,069443E+09	9,633617E+08	8,854884E+08	8,854826E+08	9,633508E+08	1,069439E+09	1,149678E+09	1,182554E+09	1,184891E+09	1,184877E+09	1,182515E+09	1,149631E+09
-707	1,069405E+09	9,633349E+08	8,854798E+08	8,854918E+08	9,633559E+08	1,069422E+09	1,149653E+09	1,182540E+09	1,184894E+09	1,184889E+09	1,182531E+09	1,149656E+09
-706	1,069454E+09	9,634072E+08	8,855447E+08	8,855440E+08	9,634005E+08	1,069452E+09	1,149660E+09	1,182534E+09	1,184890E+09	1,184896E+09	1,182545E+09	1,149659E+09
-705	1,069423E+09	9,633560E+08	8,855000E+08	8,855055E+08	9,633723E+08	1,069442E+09	1,149666E+09	1,182545E+09	1,184900E+09	1,184899E+09	1,182539E+09	1,149651E+09
-704	1,069424E+09	9,633654E+08	8,855191E+08	8,855251E+08	9,633822E+08	1,069445E+09	1,149667E+09	1,182540E+09	1,184887E+09	1,184889E+09	1,182546E+09	1,149683E+09
-703	1,069477E+09	9,634150E+08	8,855514E+08	8,855495E+08	9,634003E+08	1,069455E+09	1,149672E+09	1,182546E+09	1,184892E+09	1,184888E+09	1,182533E+09	1,149651E+09
-702	1,069426E+09	9,633637E+08	8,855021E+08	8,855012E+08	9,633605E+08	1,069426E+09	1,149654E+09	1,182541E+09	1,184894E+09	1,184888E+09	1,182530E+09	1,149652E+09
-701	1,069445E+09	9,634045E+08	8,855513E+08	8,855407E+08	9,633866E+08	1,069440E+09	1,149654E+09	1,182529E+09	1,184886E+09	1,184892E+09	1,182541E+09	1,149669E+09
-700	1,069454E+09	9,633921E+08	8,855348E+08	8,855332E+08	9,633834E+08	1,069442E+09	1,149664E+09	1,182543E+09	1,184895E+09	1,184891E+09	1,182527E+09	1,149632E+09
-699	1,069401E+09	9,633339E+08	8,854796E+08	8,854987E+08	9,633693E+08	1,069430E+09	1,149649E+09	1,182528E+09	1,184884E+09	1,184887E+09	1,182536E+09	1,149658E+09
-698	1,069442E+09	9,633892E+08	8,855245E+08	8,855248E+08	9,633938E+08	1,069458E+09	1,149667E+09	1,182529E+09	1,184873E+09	1,184878E+09	1,182542E+09	1,149672E+09
-697	1,069430E+09	9,633422E+08	8,854692E+08	8,854691E+08	9,633457E+08	1,069436E+09	1,149676E+09	1,182553E+09	1,184892E+09	1,184879E+09	1,182521E+09	1,149641E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-696	1,069410E+09	9,633301E+08	8,854614E+08	8,854640E+08	9,633337E+08	1,069419E+09	1,149665E+09	1,182546E+09	1,184888E+09	1,184880E+09	1,182529E+09	1,149661E+09
-695	1,069451E+09	9,633836E+08	8,855047E+08	8,855001E+08	9,633620E+08	1,069430E+09	1,149658E+09	1,182539E+09	1,184889E+09	1,184889E+09	1,182536E+09	1,149644E+09
-694	1,069402E+09	9,633254E+08	8,854511E+08	8,854506E+08	9,633272E+08	1,069409E+09	1,149642E+09	1,182528E+09	1,184885E+09	1,184887E+09	1,182535E+09	1,149648E+09
-693	1,069413E+09	9,633478E+08	8,854886E+08	8,854887E+08	9,633550E+08	1,069426E+09	1,149644E+09	1,182514E+09	1,184870E+09	1,184884E+09	1,182545E+09	1,149679E+09
-692	1,069453E+09	9,633695E+08	8,854969E+08	8,855006E+08	9,633679E+08	1,069441E+09	1,149666E+09	1,182536E+09	1,184878E+09	1,184876E+09	1,182526E+09	1,149643E+09
-691	1,069411E+09	9,633284E+08	8,854558E+08	8,854713E+08	9,633506E+08	1,069423E+09	1,149651E+09	1,182530E+09	1,184877E+09	1,184871E+09	1,182520E+09	1,149648E+09
-690	1,069442E+09	9,633975E+08	8,855351E+08	8,855273E+08	9,633863E+08	1,069449E+09	1,149664E+09	1,182533E+09	1,184877E+09	1,184874E+09	1,182531E+09	1,149666E+09
-689	1,069443E+09	9,633778E+08	8,855206E+08	8,855184E+08	9,633731E+08	1,069439E+09	1,149669E+09	1,182553E+09	1,184902E+09	1,184890E+09	1,182520E+09	1,149629E+09
-688	1,069408E+09	9,633552E+08	8,855123E+08	8,855224E+08	9,633758E+08	1,069433E+09	1,149658E+09	1,182541E+09	1,184897E+09	1,184896E+09	1,182537E+09	1,149656E+09
-687	1,069453E+09	9,634174E+08	8,855720E+08	8,855755E+08	9,634241E+08	1,069465E+09	1,149666E+09	1,182536E+09	1,184893E+09	1,184900E+09	1,182549E+09	1,149663E+09
-686	1,069433E+09	9,633769E+08	8,855270E+08	8,855297E+08	9,633860E+08	1,069444E+09	1,149662E+09	1,182542E+09	1,184898E+09	1,184894E+09	1,182535E+09	1,149654E+09
-685	1,069439E+09	9,633938E+08	8,855521E+08	8,855521E+08	9,633966E+08	1,069444E+09	1,149656E+09	1,182535E+09	1,184894E+09	1,184896E+09	1,182541E+09	1,149676E+09
-684	1,069481E+09	9,634361E+08	8,855822E+08	8,855758E+08	9,634128E+08	1,069455E+09	1,149668E+09	1,182548E+09	1,184901E+09	1,184896E+09	1,182532E+09	1,149646E+09
-683	1,069429E+09	9,633815E+08	8,855324E+08	8,855362E+08	9,633838E+08	1,069426E+09	1,149644E+09	1,182533E+09	1,184894E+09	1,184890E+09	1,182526E+09	1,149644E+09
-682	1,069438E+09	9,634140E+08	8,855807E+08	8,855771E+08	9,634157E+08	1,069452E+09	1,149651E+09	1,182523E+09	1,184881E+09	1,184888E+09	1,182543E+09	1,149677E+09
-681	1,069457E+09	9,633962E+08	8,855489E+08	8,855543E+08	9,634043E+08	1,069454E+09	1,149665E+09	1,182538E+09	1,184891E+09	1,184890E+09	1,182529E+09	1,149639E+09
-680	1,069414E+09	9,633526E+08	8,854979E+08	8,855085E+08	9,633734E+08	1,069438E+09	1,149662E+09	1,182536E+09	1,184882E+09	1,184879E+09	1,182527E+09	1,149652E+09
-679	1,069445E+09	9,634032E+08	8,855467E+08	8,855420E+08	9,634011E+08	1,069460E+09	1,149671E+09	1,182539E+09	1,184883E+09	1,184880E+09	1,182533E+09	1,149661E+09
-678	1,069433E+09	9,633650E+08	8,855000E+08	8,854915E+08	9,633507E+08	1,069424E+09	1,149660E+09	1,182547E+09	1,184897E+09	1,184883E+09	1,182515E+09	1,149633E+09
-677	1,069412E+09	9,633497E+08	8,854957E+08	8,854979E+08	9,633527E+08	1,069413E+09	1,149641E+09	1,182530E+09	1,184893E+09	1,184894E+09	1,182534E+09	1,149658E+09
-676	1,069449E+09	9,633930E+08	8,855288E+08	8,855293E+08	9,633860E+08	1,069440E+09	1,149654E+09	1,182530E+09	1,184886E+09	1,184893E+09	1,182543E+09	1,149652E+09
-675	1,069411E+09	9,633389E+08	8,854747E+08	8,854812E+08	9,633537E+08	1,069422E+09	1,149643E+09	1,182521E+09	1,184874E+09	1,184876E+09	1,182527E+09	1,149647E+09
-674	1,069420E+09	9,633673E+08	8,855200E+08	8,855212E+08	9,633797E+08	1,069440E+09	1,149653E+09	1,182520E+09	1,184866E+09	1,184869E+09	1,182533E+09	1,149681E+09
-673	1,069466E+09	9,633909E+08	8,855241E+08	8,855247E+08	9,633841E+08	1,069447E+09	1,149667E+09	1,182541E+09	1,184887E+09	1,184879E+09	1,182518E+09	1,149636E+09
-672	1,069419E+09	9,633581E+08	8,854948E+08	8,854973E+08	9,633595E+08	1,069427E+09	1,149659E+09	1,182541E+09	1,184890E+09	1,184879E+09	1,182514E+09	1,149633E+09
-671	1,069433E+09	9,634099E+08	8,855717E+08	8,855673E+08	9,634111E+08	1,069453E+09	1,149660E+09	1,182537E+09	1,184893E+09	1,184891E+09	1,182536E+09	1,149660E+09
-670	1,069441E+09	9,633930E+08	8,855508E+08	8,855514E+08	9,633958E+08	1,069442E+09	1,149656E+09	1,182540E+09	1,184902E+09	1,184898E+09	1,182528E+09	1,149637E+09
-669	1,069417E+09	9,633734E+08	8,855420E+08	8,855537E+08	9,633988E+08	1,069439E+09	1,149648E+09	1,182530E+09	1,184897E+09	1,184902E+09	1,182542E+09	1,149665E+09
-668	1,069466E+09	9,634357E+08	8,855958E+08	8,855972E+08	9,634380E+08	1,069471E+09	1,149669E+09	1,182538E+09	1,184893E+09	1,184898E+09	1,182548E+09	1,149669E+09
-667	1,069451E+09	9,634037E+08	8,855592E+08	8,855585E+08	9,634005E+08	1,069443E+09	1,149656E+09	1,182539E+09	1,184896E+09	1,184887E+09	1,182521E+09	1,149644E+09
-666	1,069444E+09	9,634218E+08	8,855966E+08	8,855927E+08	9,634182E+08	1,069445E+09	1,149649E+09	1,182531E+09	1,184893E+09	1,184892E+09	1,182534E+09	1,149672E+09
-665	1,069483E+09	9,634511E+08	8,856118E+08	8,856091E+08	9,634368E+08	1,069459E+09	1,149657E+09	1,182538E+09	1,184902E+09	1,184902E+09	1,182534E+09	1,149642E+09
-664	1,069430E+09	9,633971E+08	8,855601E+08	8,855618E+08	9,634047E+08	1,069444E+09	1,149654E+09	1,182532E+09	1,184891E+09	1,184889E+09	1,182524E+09	1,149639E+09
-663	1,069432E+09	9,634160E+08	8,856001E+08	8,856032E+08	9,634385E+08	1,069469E+09	1,149663E+09	1,182530E+09	1,184884E+09	1,184886E+09	1,182537E+09	1,149672E+09
-662	1,069462E+09	9,634085E+08	8,855645E+08	8,855681E+08	9,634126E+08	1,069456E+09	1,149666E+09	1,182541E+09	1,184894E+09	1,184888E+09	1,182522E+09	1,149637E+09
-661	1,069424E+09	9,633727E+08	8,855225E+08	8,855256E+08	9,633798E+08	1,069434E+09	1,149653E+09	1,182537E+09	1,184896E+09	1,184891E+09	1,182525E+09	1,149646E+09

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°
-660	1,069447E+09	9,634172E+08	8,855701E+08	8,855599E+08	9,634052E+08	1,069453E+09	1,149665E+09	1,182541E+09	1,184894E+09	1,184893E+09	1,182539E+09	1,149661E+09
-659	1,069437E+09	9,633787E+08	8,855275E+08	8,855230E+08	9,633685E+08	1,069419E+09	1,149643E+09	1,182533E+09	1,184894E+09	1,184887E+09	1,182518E+09	1,149632E+09
-658	1,069413E+09	9,633638E+08	8,855271E+08	8,855342E+08	9,633805E+08	1,069423E+09	1,149632E+09	1,182514E+09	1,184879E+09	1,184886E+09	1,182537E+09	1,149669E+09
-657	1,069460E+09	9,634054E+08	8,855492E+08	8,855528E+08	9,634067E+08	1,069450E+09	1,149653E+09	1,182522E+09	1,184877E+09	1,184886E+09	1,182539E+09	1,149657E+09
-656	1,069429E+09	9,633668E+08	8,855051E+08	8,855013E+08	9,633656E+08	1,069434E+09	1,149658E+09	1,182528E+09	1,184871E+09	1,184864E+09	1,182510E+09	1,149635E+09
-655	1,069422E+09	9,633868E+08	8,855548E+08	8,855526E+08	9,633974E+08	1,069448E+09	1,149660E+09	1,182533E+09	1,184879E+09	1,184871E+09	1,182517E+09	1,149660E+09
-654	1,069465E+09	9,634147E+08	8,855624E+08	8,855588E+08	9,634003E+08	1,069444E+09	1,149658E+09	1,182540E+09	1,184897E+09	1,184889E+09	1,182515E+09	1,149625E+09
-653	1,069417E+09	9,633767E+08	8,855334E+08	8,855376E+08	9,633855E+08	1,069429E+09	1,149643E+09	1,182534E+09	1,184904E+09	1,184899E+09	1,182524E+09	1,149632E+09
-652	1,069429E+09	9,634164E+08	8,855951E+08	8,855967E+08	9,634360E+08	1,069467E+09	1,149662E+09	1,182536E+09	1,184898E+09	1,184904E+09	1,182550E+09	1,149672E+09
-651	1,069453E+09	9,634068E+08	8,855760E+08	8,855828E+08	9,634187E+08	1,069450E+09	1,149655E+09	1,182536E+09	1,184898E+09	1,184896E+09	1,182529E+09	1,149643E+09
-650	1,069433E+09	9,633972E+08	8,855739E+08	8,855846E+08	9,634193E+08	1,069447E+09	1,149648E+09	1,182529E+09	1,184892E+09	1,184893E+09	1,182538E+09	1,149672E+09
-649	1,069484E+09	9,634618E+08	8,856264E+08	8,856214E+08	9,634498E+08	1,069471E+09	1,149664E+09	1,182537E+09	1,184898E+09	1,184901E+09	1,182543E+09	1,149666E+09
-648	1,069463E+09	9,634363E+08	8,856016E+08	8,855877E+08	9,634106E+08	1,069444E+09	1,149656E+09	1,182538E+09	1,184897E+09	1,184887E+09	1,182513E+09	1,149629E+09
-647	1,069435E+09	9,634323E+08	8,856305E+08	8,856326E+08	9,634455E+08	1,069454E+09	1,149645E+09	1,182528E+09	1,184897E+09	1,184896E+09	1,182530E+09	1,149660E+09
-646	1,069479E+09	9,634627E+08	8,856354E+08	8,856373E+08	9,634602E+08	1,069469E+09	1,149651E+09	1,182525E+09	1,184895E+09	1,184901E+09	1,182534E+09	1,149643E+09
-645	1,069435E+09	9,634092E+08	8,855810E+08	8,855837E+08	9,634213E+08	1,069452E+09	1,149652E+09	1,182530E+09	1,184894E+09	1,184890E+09	1,182522E+09	1,149639E+09
-644	1,069438E+09	9,634245E+08	8,856119E+08	8,856138E+08	9,634447E+08	1,069474E+09	1,149672E+09	1,182541E+09	1,184893E+09	1,184888E+09	1,182534E+09	1,149672E+09
-643	1,069472E+09	9,634260E+08	8,855885E+08	8,855887E+08	9,634171E+08	1,069448E+09	1,149658E+09	1,182542E+09	1,184899E+09	1,184889E+09	1,182514E+09	1,149627E+09
-642	1,069426E+09	9,633929E+08	8,855573E+08	8,855582E+08	9,633938E+08	1,069429E+09	1,149640E+09	1,182529E+09	1,184895E+09	1,184893E+09	1,182528E+09	1,149647E+09
-641	1,069450E+09	9,634305E+08	8,855954E+08	8,855877E+08	9,634226E+08	1,069453E+09	1,149650E+09	1,182527E+09	1,184892E+09	1,184901E+09	1,182547E+09	1,149664E+09
-640	1,069445E+09	9,633983E+08	8,855570E+08	8,855483E+08	9,633868E+08	1,069435E+09	1,149648E+09	1,182525E+09	1,184883E+09	1,184881E+09	1,182516E+09	1,149630E+09
-639	1,069414E+09	9,633739E+08	8,855535E+08	8,855665E+08	9,634068E+08	1,069441E+09	1,149642E+09	1,182518E+09	1,184878E+09	1,184880E+09	1,182525E+09	1,149660E+09
-638	1,069470E+09	9,634274E+08	8,855745E+08	8,855761E+08	9,634228E+08	1,069458E+09	1,149654E+09	1,182523E+09	1,184879E+09	1,184882E+09	1,182527E+09	1,149648E+09
-637	1,069437E+09	9,633920E+08	8,855405E+08	8,855312E+08	9,633808E+08	1,069436E+09	1,149654E+09	1,182535E+09	1,184890E+09	1,184876E+09	1,182505E+09	1,149623E+09
-636	1,069419E+09	9,633989E+08	8,855833E+08	8,855825E+08	9,634131E+08	1,069450E+09	1,149661E+09	1,182541E+09	1,184897E+09	1,184889E+09	1,182526E+09	1,149656E+09
-635	1,069462E+09	9,634238E+08	8,855922E+08	8,855974E+08	9,634243E+08	1,069446E+09	1,149647E+09	1,182532E+09	1,184900E+09	1,184900E+09	1,182525E+09	1,149629E+09
-634	1,069420E+09	9,633913E+08	8,855651E+08	8,855751E+08	9,634137E+08	1,069441E+09	1,149639E+09	1,182522E+09	1,184893E+09	1,184899E+09	1,182536E+09	1,149650E+09
-633	1,069447E+09	9,634348E+08	8,856167E+08	8,856176E+08	9,634495E+08	1,069472E+09	1,149660E+09	1,182529E+09	1,184892E+09	1,184901E+09	1,182552E+09	1,149682E+09
-632	1,069477E+09	9,634418E+08	8,856105E+08	8,856036E+08	9,634273E+08	1,069457E+09	1,149661E+09	1,182537E+09	1,184893E+09	1,184885E+09	1,182514E+09	1,149634E+09
-631	1,069441E+09	9,634253E+08	8,856160E+08	8,856222E+08	9,634382E+08	1,069450E+09	1,149646E+09	1,182531E+09	1,184898E+09	1,184891E+09	1,182520E+09	1,149652E+09
-630	1,069486E+09	9,634887E+08	8,856654E+08	8,856581E+08	9,634682E+08	1,069469E+09	1,149650E+09	1,182528E+09	1,184898E+09	1,184903E+09	1,182536E+09	1,149653E+09
-629	1,069460E+09	9,634541E+08	8,856387E+08	8,856291E+08	9,634394E+08	1,069451E+09	1,149646E+09	1,182532E+09	1,184903E+09	1,184896E+09	1,182514E+09	1,149622E+09
-628	1,069428E+09	9,634343E+08	8,856482E+08	8,856586E+08	9,634688E+08	1,069471E+09	1,149656E+09	1,182533E+09	1,184900E+09	1,184902E+09	1,182536E+09	1,149662E+09
-627	1,069481E+09	9,634681E+08	8,856527E+08	8,856619E+08	9,634771E+08	1,069478E+09	1,149657E+09	1,182528E+09	1,184894E+09	1,184898E+09	1,182531E+09	1,149642E+09
-626	1,069443E+09	9,634258E+08	8,856034E+08	8,856050E+08	9,634339E+08	1,069458E+09	1,149655E+09	1,182533E+09	1,184895E+09	1,184890E+09	1,182523E+09	1,149642E+09
-625	1,069448E+09	9,634424E+08	8,856308E+08	8,856261E+08	9,634448E+08	1,069467E+09	1,149665E+09	1,182543E+09	1,184904E+09	1,184900E+09	1,182537E+09	1,149670E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-624	1,069481E+09	9,634510E+08	8,856203E+08	8,856106E+08	9,634224E+08	1,069444E+09	1,149652E+09	1,182537E+09	1,184902E+09	1,184895E+09	1,182516E+09	1,149621E+09
-623	1,069422E+09	9,634030E+08	8,855862E+08	8,855946E+08	9,634188E+08	1,069434E+09	1,149630E+09	1,182519E+09	1,184893E+09	1,184896E+09	1,182527E+09	1,149643E+09
-622	1,069455E+09	9,634456E+08	8,856179E+08	8,856145E+08	9,634430E+08	1,069461E+09	1,149641E+09	1,182509E+09	1,184877E+09	1,184895E+09	1,182547E+09	1,149669E+09
-621	1,069456E+09	9,634179E+08	8,855844E+08	8,855764E+08	9,634056E+08	1,069443E+09	1,149647E+09	1,182522E+09	1,184881E+09	1,184874E+09	1,182508E+09	1,149626E+09
-620	1,069420E+09	9,633886E+08	8,855740E+08	8,855865E+08	9,634199E+08	1,069451E+09	1,149654E+09	1,182531E+09	1,184886E+09	1,184879E+09	1,182517E+09	1,149650E+09
-619	1,069472E+09	9,634466E+08	8,856075E+08	8,856085E+08	9,634369E+08	1,069458E+09	1,149651E+09	1,182526E+09	1,184886E+09	1,184885E+09	1,182518E+09	1,149634E+09
-618	1,069435E+09	9,634110E+08	8,855770E+08	8,855708E+08	9,634035E+08	1,069439E+09	1,149647E+09	1,182531E+09	1,184892E+09	1,184884E+09	1,182513E+09	1,149623E+09
-617	1,069420E+09	9,634103E+08	8,856061E+08	8,856111E+08	9,634335E+08	1,069456E+09	1,149655E+09	1,182536E+09	1,184902E+09	1,184903E+09	1,182540E+09	1,149665E+09
-616	1,069472E+09	9,634447E+08	8,856214E+08	8,856229E+08	9,634420E+08	1,069459E+09	1,149652E+09	1,182527E+09	1,184894E+09	1,184897E+09	1,182527E+09	1,149633E+09
-615	1,069428E+09	9,634077E+08	8,855944E+08	8,856081E+08	9,634360E+08	1,069452E+09	1,149644E+09	1,182525E+09	1,184893E+09	1,184894E+09	1,182526E+09	1,149646E+09
-614	1,069465E+09	9,634665E+08	8,856484E+08	8,856437E+08	9,634618E+08	1,069472E+09	1,149654E+09	1,182524E+09	1,184891E+09	1,184898E+09	1,182543E+09	1,149676E+09
-613	1,069490E+09	9,634760E+08	8,856550E+08	8,856398E+08	9,634417E+08	1,069452E+09	1,149650E+09	1,182537E+09	1,184905E+09	1,184891E+09	1,182507E+09	1,149621E+09
-612	1,069438E+09	9,634425E+08	8,856503E+08	8,856588E+08	9,634594E+08	1,069454E+09	1,149644E+09	1,182534E+09	1,184908E+09	1,184902E+09	1,182523E+09	1,149644E+09
-611	1,069479E+09	9,634980E+08	8,856972E+08	8,856998E+08	9,634964E+08	1,069475E+09	1,149641E+09	1,182517E+09	1,184895E+09	1,184905E+09	1,182538E+09	1,149651E+09
-610	1,069460E+09	9,634641E+08	8,856640E+08	8,856635E+08	9,634682E+08	1,069468E+09	1,149650E+09	1,182524E+09	1,184892E+09	1,184892E+09	1,182521E+09	1,149632E+09
-609	1,069438E+09	9,634449E+08	8,856599E+08	8,856727E+08	9,634793E+08	1,069479E+09	1,149662E+09	1,182537E+09	1,184902E+09	1,184902E+09	1,182537E+09	1,149666E+09
-608	1,069495E+09	9,634930E+08	8,856767E+08	8,856743E+08	9,634802E+08	1,069482E+09	1,149663E+09	1,182534E+09	1,184897E+09	1,184894E+09	1,182522E+09	1,149635E+09
-607	1,069446E+09	9,634456E+08	8,856352E+08	8,856341E+08	9,634458E+08	1,069455E+09	1,149650E+09	1,182536E+09	1,184904E+09	1,184894E+09	1,182514E+09	1,149630E+09
-606	1,069452E+09	9,634649E+08	8,856602E+08	8,856536E+08	9,634564E+08	1,069459E+09	1,149646E+09	1,182528E+09	1,184902E+09	1,184906E+09	1,182541E+09	1,149667E+09
-605	1,069482E+09	9,634687E+08	8,856513E+08	8,856447E+08	9,634451E+08	1,069447E+09	1,149639E+09	1,182527E+09	1,184902E+09	1,184898E+09	1,182519E+09	1,149622E+09
-604	1,069422E+09	9,634098E+08	8,856036E+08	8,856200E+08	9,634416E+08	1,069450E+09	1,149640E+09	1,182521E+09	1,184890E+09	1,184893E+09	1,182528E+09	1,149646E+09
-603	1,069459E+09	9,634550E+08	8,856384E+08	8,856416E+08	9,634614E+08	1,069469E+09	1,149646E+09	1,182511E+09	1,184873E+09	1,184884E+09	1,182536E+09	1,149665E+09
-602	1,069465E+09	9,634390E+08	8,856122E+08	8,856045E+08	9,634245E+08	1,069453E+09	1,149654E+09	1,182527E+09	1,184880E+09	1,184871E+09	1,182504E+09	1,149623E+09
-601	1,069426E+09	9,634081E+08	8,855975E+08	8,856057E+08	9,634253E+08	1,069448E+09	1,149654E+09	1,182538E+09	1,184900E+09	1,184892E+09	1,182519E+09	1,149643E+09
-600	1,069471E+09	9,634671E+08	8,856396E+08	8,856357E+08	9,634504E+08	1,069460E+09	1,149648E+09	1,182525E+09	1,184893E+09	1,184894E+09	1,182522E+09	1,149629E+09
-599	1,069430E+09	9,634215E+08	8,856071E+08	8,856099E+08	9,634321E+08	1,069447E+09	1,149640E+09	1,182525E+09	1,184895E+09	1,184892E+09	1,182516E+09	1,149625E+09
-598	1,069430E+09	9,634295E+08	8,856291E+08	8,856355E+08	9,634495E+08	1,069459E+09	1,149646E+09	1,182522E+09	1,184892E+09	1,184901E+09	1,182544E+09	1,149675E+09
-597	1,069490E+09	9,634728E+08	8,856541E+08	8,856523E+08	9,634572E+08	1,069459E+09	1,149648E+09	1,182528E+09	1,184895E+09	1,184891E+09	1,182520E+09	1,149633E+09
-596	1,069441E+09	9,634338E+08	8,856264E+08	8,856361E+08	9,634503E+08	1,069456E+09	1,149647E+09	1,182531E+09	1,184898E+09	1,184891E+09	1,182516E+09	1,149637E+09
-595	1,069469E+09	9,634915E+08	8,856922E+08	8,856861E+08	9,634800E+08	1,069468E+09	1,149643E+09	1,182519E+09	1,184892E+09	1,184896E+09	1,182533E+09	1,149663E+09
-594	1,069488E+09	9,634984E+08	8,856980E+08	8,856890E+08	9,634749E+08	1,069461E+09	1,149643E+09	1,182526E+09	1,184899E+09	1,184895E+09	1,182512E+09	1,149618E+09
-593	1,069435E+09	9,634538E+08	8,856742E+08	8,856896E+08	9,634854E+08	1,069467E+09	1,149645E+09	1,182531E+09	1,184910E+09	1,184911E+09	1,182531E+09	1,149646E+09
-592	1,069481E+09	9,635120E+08	8,857211E+08	8,857237E+08	9,635184E+08	1,069496E+09	1,149654E+09	1,182521E+09	1,184893E+09	1,184901E+09	1,182536E+09	1,149652E+09
-591	1,069464E+09	9,634752E+08	8,856849E+08	8,856900E+08	9,634892E+08	1,069480E+09	1,149660E+09	1,182536E+09	1,184901E+09	1,184891E+09	1,182511E+09	1,149628E+09
-590	1,069452E+09	9,634683E+08	8,856796E+08	8,856860E+08	9,634831E+08	1,069475E+09	1,149657E+09	1,182538E+09	1,184909E+09	1,184907E+09	1,182535E+09	1,149665E+09
-589	1,069504E+09	9,635193E+08	8,857102E+08	8,856997E+08	9,634851E+08	1,069469E+09	1,149651E+09	1,182537E+09	1,184910E+09	1,184904E+09	1,182523E+09	1,149630E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-588	1,069443E+09	9,634573E+08	8,856604E+08	8,856618E+08	9,634608E+08	1,069453E+09	1,149642E+09	1,182533E+09	1,184910E+09	1,184904E+09	1,182522E+09	1,149630E+09
-587	1,069450E+09	9,634741E+08	8,856876E+08	8,856876E+08	9,634783E+08	1,069461E+09	1,149632E+09	1,182510E+09	1,184890E+09	1,184902E+09	1,182543E+09	1,149672E+09
-586	1,069489E+09	9,634831E+08	8,856750E+08	8,856740E+08	9,634697E+08	1,069460E+09	1,149639E+09	1,182513E+09	1,184882E+09	1,184887E+09	1,182519E+09	1,149629E+09
-585	1,069434E+09	9,634259E+08	8,856186E+08	8,856341E+08	9,634519E+08	1,069458E+09	1,149647E+09	1,182526E+09	1,184890E+09	1,184886E+09	1,182519E+09	1,149642E+09
-584	1,069468E+09	9,634808E+08	8,856668E+08	8,856600E+08	9,634705E+08	1,069475E+09	1,149652E+09	1,182518E+09	1,184877E+09	1,184876E+09	1,182518E+09	1,149648E+09
-583	1,069460E+09	9,634562E+08	8,856458E+08	8,856391E+08	9,634436E+08	1,069454E+09	1,149653E+09	1,182535E+09	1,184894E+09	1,184877E+09	1,182492E+09	1,149607E+09
-582	1,069425E+09	9,634261E+08	8,856251E+08	8,856347E+08	9,634423E+08	1,069446E+09	1,149640E+09	1,182529E+09	1,184905E+09	1,184904E+09	1,182527E+09	1,149643E+09
-581	1,069471E+09	9,634829E+08	8,856704E+08	8,856692E+08	9,634718E+08	1,069462E+09	1,149640E+09	1,182522E+09	1,184898E+09	1,184901E+09	1,182531E+09	1,149635E+09
-580	1,069433E+09	9,634319E+08	8,856290E+08	8,856372E+08	9,634537E+08	1,069460E+09	1,149647E+09	1,182528E+09	1,184897E+09	1,184895E+09	1,182521E+09	1,149632E+09
-579	1,069440E+09	9,634492E+08	8,856606E+08	8,856674E+08	9,634670E+08	1,069460E+09	1,149640E+09	1,182517E+09	1,184889E+09	1,184894E+09	1,182536E+09	1,149675E+09
-578	1,069504E+09	9,635034E+08	8,856925E+08	8,856877E+08	9,634788E+08	1,069466E+09	1,149646E+09	1,182523E+09	1,184891E+09	1,184890E+09	1,182517E+09	1,149630E+09
-577	1,069449E+09	9,634605E+08	8,856621E+08	8,856678E+08	9,634654E+08	1,069456E+09	1,149644E+09	1,182534E+09	1,184907E+09	1,184900E+09	1,182517E+09	1,149631E+09
-576	1,069469E+09	9,635132E+08	8,857300E+08	8,857239E+08	9,635067E+08	1,069478E+09	1,149640E+09	1,182515E+09	1,184892E+09	1,184898E+09	1,182530E+09	1,149655E+09
-575	1,069482E+09	9,635084E+08	8,857290E+08	8,857311E+08	9,635114E+08	1,069480E+09	1,149646E+09	1,182524E+09	1,184900E+09	1,184896E+09	1,182509E+09	1,149617E+09
-574	1,069444E+09	9,634700E+08	8,856933E+08	8,857101E+08	9,635026E+08	1,069477E+09	1,149647E+09	1,182527E+09	1,184906E+09	1,184910E+09	1,182533E+09	1,149653E+09
-573	1,069492E+09	9,635331E+08	8,857469E+08	8,857449E+08	9,635283E+08	1,069495E+09	1,149657E+09	1,182532E+09	1,184903E+09	1,184900E+09	1,182529E+09	1,149650E+09
-572	1,069472E+09	9,634950E+08	8,857099E+08	8,857095E+08	9,634969E+08	1,069479E+09	1,149661E+09	1,182547E+09	1,184916E+09	1,184898E+09	1,182507E+09	1,149622E+09
-571	1,069453E+09	9,634872E+08	8,857143E+08	8,857165E+08	9,634914E+08	1,069461E+09	1,149639E+09	1,182530E+09	1,184912E+09	1,184911E+09	1,182532E+09	1,149660E+09
-570	1,069506E+09	9,635373E+08	8,857437E+08	8,857365E+08	9,635100E+08	1,069471E+09	1,149637E+09	1,182519E+09	1,184900E+09	1,184908E+09	1,182532E+09	1,149634E+09
-569	1,069446E+09	9,634693E+08	8,856814E+08	8,856848E+08	9,634789E+08	1,069461E+09	1,149638E+09	1,182524E+09	1,184903E+09	1,184904E+09	1,182525E+09	1,149635E+09
-568	1,069455E+09	9,634878E+08	8,857085E+08	8,857083E+08	9,634982E+08	1,069477E+09	1,149639E+09	1,182507E+09	1,184880E+09	1,184888E+09	1,182530E+09	1,149668E+09
-567	1,069493E+09	9,634966E+08	8,856981E+08	8,857014E+08	9,634939E+08	1,069474E+09	1,149648E+09	1,182522E+09	1,184886E+09	1,184879E+09	1,182499E+09	1,149617E+09
-566	1,069443E+09	9,634485E+08	8,856407E+08	8,856486E+08	9,634581E+08	1,069456E+09	1,149644E+09	1,182529E+09	1,184899E+09	1,184892E+09	1,182514E+09	1,149633E+09
-565	1,069467E+09	9,634994E+08	8,857000E+08	8,856886E+08	9,634803E+08	1,069466E+09	1,149646E+09	1,182528E+09	1,184896E+09	1,184889E+09	1,182518E+09	1,149640E+09
-564	1,069452E+09	9,634633E+08	8,856699E+08	8,856690E+08	9,634643E+08	1,069457E+09	1,149647E+09	1,182536E+09	1,184906E+09	1,184894E+09	1,182504E+09	1,149610E+09
-563	1,069421E+09	9,634332E+08	8,856517E+08	8,856661E+08	9,634628E+08	1,069447E+09	1,149627E+09	1,182514E+09	1,184897E+09	1,184905E+09	1,182534E+09	1,149655E+09
-562	1,069484E+09	9,635006E+08	8,856974E+08	8,856985E+08	9,634947E+08	1,069473E+09	1,149638E+09	1,182508E+09	1,184882E+09	1,184896E+09	1,182536E+09	1,149647E+09
-561	1,069452E+09	9,634571E+08	8,856549E+08	8,856571E+08	9,634643E+08	1,069463E+09	1,149648E+09	1,182529E+09	1,184897E+09	1,184891E+09	1,182514E+09	1,149632E+09
-560	1,069455E+09	9,634835E+08	8,857004E+08	8,856970E+08	9,634844E+08	1,069466E+09	1,149638E+09	1,182516E+09	1,184889E+09	1,184887E+09	1,182519E+09	1,149661E+09
-559	1,069506E+09	9,635287E+08	8,857373E+08	8,857345E+08	9,635097E+08	1,069473E+09	1,149642E+09	1,182524E+09	1,184898E+09	1,184891E+09	1,182503E+09	1,149615E+09
-558	1,069451E+09	9,634821E+08	8,856966E+08	8,857042E+08	9,634921E+08	1,069463E+09	1,149637E+09	1,182527E+09	1,184910E+09	1,184908E+09	1,182520E+09	1,149629E+09
-557	1,069467E+09	9,635275E+08	8,857630E+08	8,857606E+08	9,635330E+08	1,069489E+09	1,149644E+09	1,182522E+09	1,184900E+09	1,184901E+09	1,182531E+09	1,149656E+09
-556	1,069482E+09	9,635155E+08	8,857483E+08	8,857562E+08	9,635334E+08	1,069496E+09	1,149660E+09	1,182537E+09	1,184911E+09	1,184902E+09	1,182511E+09	1,149620E+09
-555	1,069450E+09	9,634862E+08	8,857202E+08	8,857332E+08	9,635135E+08	1,069477E+09	1,149645E+09	1,182529E+09	1,184911E+09	1,184911E+09	1,182530E+09	1,149654E+09
-554	1,069505E+09	9,635583E+08	8,857786E+08	8,857688E+08	9,635384E+08	1,069493E+09	1,149650E+09	1,182525E+09	1,184904E+09	1,184907E+09	1,182533E+09	1,149649E+09
-553	1,069479E+09	9,635161E+08	8,857394E+08	8,857323E+08	9,635025E+08	1,069470E+09	1,149649E+09	1,182543E+09	1,184924E+09	1,184911E+09	1,182514E+09	1,149622E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-552	1,069456E+09	9,635055E+08	8,857456E+08	8,857482E+08	9,635139E+08	1,069464E+09	1,149622E+09	1,182513E+09	1,184904E+09	1,184909E+09	1,182531E+09	1,149658E+09
-551	1,069505E+09	9,635467E+08	8,857692E+08	8,857707E+08	9,635406E+08	1,069486E+09	1,149634E+09	1,182507E+09	1,184891E+09	1,184899E+09	1,182522E+09	1,149633E+09
-550	1,069458E+09	9,634855E+08	8,856998E+08	8,857021E+08	9,634938E+08	1,069470E+09	1,149639E+09	1,182518E+09	1,184893E+09	1,184894E+09	1,182518E+09	1,149635E+09
-549	1,069464E+09	9,635072E+08	8,857350E+08	8,857296E+08	9,635079E+08	1,069478E+09	1,149645E+09	1,182520E+09	1,184887E+09	1,184880E+09	1,182513E+09	1,149654E+09
-548	1,069492E+09	9,635109E+08	8,857231E+08	8,857236E+08	9,635063E+08	1,069479E+09	1,149654E+09	1,182534E+09	1,184902E+09	1,184886E+09	1,182492E+09	1,149604E+09
-547	1,069435E+09	9,634613E+08	8,856742E+08	8,856793E+08	9,634714E+08	1,069450E+09	1,149631E+09	1,182524E+09	1,184905E+09	1,184902E+09	1,182515E+09	1,149628E+09
-546	1,069464E+09	9,635095E+08	8,857274E+08	8,857210E+08	9,635061E+08	1,069475E+09	1,149637E+09	1,182513E+09	1,184892E+09	1,184901E+09	1,182533E+09	1,149647E+09
-545	1,069457E+09	9,634730E+08	8,856890E+08	8,856901E+08	9,634810E+08	1,069466E+09	1,149647E+09	1,182533E+09	1,184908E+09	1,184901E+09	1,182515E+09	1,149622E+09
-544	1,069435E+09	9,634514E+08	8,856760E+08	8,856900E+08	9,634831E+08	1,069459E+09	1,149628E+09	1,182511E+09	1,184891E+09	1,184896E+09	1,182526E+09	1,149657E+09
-543	1,069499E+09	9,635245E+08	8,857297E+08	8,857301E+08	9,635178E+08	1,069484E+09	1,149642E+09	1,182513E+09	1,184885E+09	1,184888E+09	1,182518E+09	1,149640E+09
-542	1,069469E+09	9,634903E+08	8,856922E+08	8,856834E+08	9,634752E+08	1,069461E+09	1,149642E+09	1,182527E+09	1,184902E+09	1,184894E+09	1,182508E+09	1,149623E+09
-541	1,069457E+09	9,635095E+08	8,857455E+08	8,857383E+08	9,635033E+08	1,069463E+09	1,149633E+09	1,182523E+09	1,184901E+09	1,184894E+09	1,182514E+09	1,149648E+09
-540	1,069499E+09	9,635404E+08	8,857700E+08	8,857747E+08	9,635424E+08	1,069487E+09	1,149641E+09	1,182524E+09	1,184908E+09	1,184904E+09	1,182509E+09	1,149613E+09
-539	1,069446E+09	9,634917E+08	8,857272E+08	8,857370E+08	9,635157E+08	1,069472E+09	1,149631E+09	1,182517E+09	1,184905E+09	1,184909E+09	1,182524E+09	1,149635E+09
-538	1,069477E+09	9,635415E+08	8,857874E+08	8,857878E+08	9,635549E+08	1,069502E+09	1,149648E+09	1,182516E+09	1,184894E+09	1,184902E+09	1,182535E+09	1,149661E+09
-537	1,069497E+09	9,635377E+08	8,857725E+08	8,857724E+08	9,635380E+08	1,069494E+09	1,149660E+09	1,182544E+09	1,184920E+09	1,184906E+09	1,182509E+09	1,149620E+09
-536	1,069461E+09	9,635129E+08	8,857537E+08	8,857581E+08	9,635241E+08	1,069474E+09	1,149634E+09	1,182525E+09	1,184914E+09	1,184910E+09	1,182520E+09	1,149644E+09
-535	1,069508E+09	9,635790E+08	8,858164E+08	8,858082E+08	9,635623E+08	1,069495E+09	1,149639E+09	1,182518E+09	1,184906E+09	1,184909E+09	1,182525E+09	1,149642E+09
-534	1,069485E+09	9,635349E+08	8,857685E+08	8,857612E+08	9,635224E+08	1,069472E+09	1,149635E+09	1,182525E+09	1,184916E+09	1,184914E+09	1,182519E+09	1,149624E+09
-533	1,069459E+09	9,635190E+08	8,857741E+08	8,857789E+08	9,635349E+08	1,069473E+09	1,149626E+09	1,182513E+09	1,184900E+09	1,184902E+09	1,182524E+09	1,149655E+09
-532	1,069507E+09	9,635540E+08	8,857860E+08	8,857935E+08	9,635629E+08	1,069503E+09	1,149646E+09	1,182517E+09	1,184895E+09	1,184896E+09	1,182514E+09	1,149627E+09
-531	1,069459E+09	9,634992E+08	8,857243E+08	8,857219E+08	9,635043E+08	1,069473E+09	1,149640E+09	1,182521E+09	1,184897E+09	1,184891E+09	1,182508E+09	1,149627E+09
-530	1,069468E+09	9,635226E+08	8,857612E+08	8,857527E+08	9,635201E+08	1,069482E+09	1,149645E+09	1,182520E+09	1,184893E+09	1,184891E+09	1,182516E+09	1,149646E+09
-529	1,069489E+09	9,635223E+08	8,857468E+08	8,857445E+08	9,635132E+08	1,069474E+09	1,149648E+09	1,182537E+09	1,184917E+09	1,184905E+09	1,182504E+09	1,149605E+09
-528	1,069436E+09	9,634721E+08	8,856976E+08	8,857062E+08	9,634930E+08	1,069456E+09	1,149619E+09	1,182511E+09	1,184903E+09	1,184906E+09	1,182521E+09	1,149633E+09
-527	1,069471E+09	9,635212E+08	8,857504E+08	8,857493E+08	9,635303E+08	1,069487E+09	1,149635E+09	1,182504E+09	1,184885E+09	1,184896E+09	1,182529E+09	1,149654E+09
-526	1,069479E+09	9,634964E+08	8,857123E+08	8,857080E+08	9,634910E+08	1,069468E+09	1,149643E+09	1,182525E+09	1,184900E+09	1,184895E+09	1,182511E+09	1,149627E+09
-525	1,069453E+09	9,634829E+08	8,857146E+08	8,857197E+08	9,634933E+08	1,069455E+09	1,149628E+09	1,182519E+09	1,184895E+09	1,184887E+09	1,182509E+09	1,149645E+09
-524	1,069503E+09	9,635487E+08	8,857678E+08	8,857652E+08	9,635375E+08	1,069488E+09	1,149642E+09	1,182519E+09	1,184897E+09	1,184894E+09	1,182509E+09	1,149624E+09
-523	1,069463E+09	9,635108E+08	8,857385E+08	8,857280E+08	9,634996E+08	1,069462E+09	1,149630E+09	1,182519E+09	1,184904E+09	1,184899E+09	1,182507E+09	1,149615E+09
-522	1,069455E+09	9,635230E+08	8,857802E+08	8,857800E+08	9,635369E+08	1,069479E+09	1,149630E+09	1,182510E+09	1,184897E+09	1,184903E+09	1,182522E+09	1,149646E+09
-521	1,069498E+09	9,635497E+08	8,857932E+08	8,858011E+08	9,635631E+08	1,069501E+09	1,149649E+09	1,182528E+09	1,184913E+09	1,184912E+09	1,182517E+09	1,149620E+09
-520	1,069456E+09	9,635079E+08	8,857511E+08	8,857633E+08	9,635381E+08	1,069484E+09	1,149634E+09	1,182519E+09	1,184907E+09	1,184906E+09	1,182518E+09	1,149636E+09
-519	1,069490E+09	9,635630E+08	8,858151E+08	8,858142E+08	9,635722E+08	1,069509E+09	1,149651E+09	1,182522E+09	1,184903E+09	1,184902E+09	1,182523E+09	1,149657E+09
-518	1,069514E+09	9,635666E+08	8,858052E+08	8,857953E+08	9,635431E+08	1,069486E+09	1,149650E+09	1,182540E+09	1,184926E+09	1,184916E+09	1,182513E+09	1,149618E+09
-517	1,069467E+09	9,635370E+08	8,857941E+08	8,857957E+08	9,635380E+08	1,069464E+09	1,149622E+09	1,182523E+09	1,184917E+09	1,184914E+09	1,182520E+09	1,149638E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-516	1,069505E+09	9,635888E+08	8,858432E+08	8,858426E+08	9,635897E+08	1,069506E+09	1,149634E+09	1,182510E+09	1,184904E+09	1,184913E+09	1,182529E+09	1,149642E+09
-515	1,069483E+09	9,635461E+08	8,857963E+08	8,857901E+08	9,635428E+08	1,069482E+09	1,149631E+09	1,182511E+09	1,184900E+09	1,184903E+09	1,182514E+09	1,149626E+09
-514	1,069469E+09	9,635335E+08	8,857949E+08	8,858013E+08	9,635537E+08	1,069487E+09	1,149633E+09	1,182508E+09	1,184891E+09	1,184896E+09	1,182517E+09	1,149648E+09
-513	1,069514E+09	9,635718E+08	8,858064E+08	8,858073E+08	9,635678E+08	1,069506E+09	1,149653E+09	1,182529E+09	1,184906E+09	1,184899E+09	1,182507E+09	1,149619E+09
-512	1,069463E+09	9,635175E+08	8,857508E+08	8,857465E+08	9,635170E+08	1,069473E+09	1,149634E+09	1,182522E+09	1,184905E+09	1,184895E+09	1,182500E+09	1,149615E+09
-511	1,069464E+09	9,635337E+08	8,857876E+08	8,857851E+08	9,635418E+08	1,069487E+09	1,149640E+09	1,182519E+09	1,184901E+09	1,184899E+09	1,182515E+09	1,149643E+09
-510	1,069494E+09	9,635350E+08	8,857685E+08	8,857668E+08	9,635269E+08	1,069476E+09	1,149639E+09	1,182527E+09	1,184915E+09	1,184914E+09	1,182518E+09	1,149614E+09
-509	1,069443E+09	9,634865E+08	8,857237E+08	8,857334E+08	9,635065E+08	1,069460E+09	1,149622E+09	1,182513E+09	1,184900E+09	1,184903E+09	1,182520E+09	1,149636E+09
-508	1,069481E+09	9,635375E+08	8,857733E+08	8,857745E+08	9,635486E+08	1,069498E+09	1,149641E+09	1,182510E+09	1,184890E+09	1,184896E+09	1,182524E+09	1,149651E+09
-507	1,069487E+09	9,635233E+08	8,857487E+08	8,857352E+08	9,635018E+08	1,069467E+09	1,149635E+09	1,182519E+09	1,184898E+09	1,184891E+09	1,182502E+09	1,149619E+09
-506	1,069461E+09	9,635086E+08	8,857540E+08	8,857563E+08	9,635131E+08	1,069459E+09	1,149622E+09	1,182511E+09	1,184897E+09	1,184896E+09	1,182507E+09	1,149632E+09
-505	1,069500E+09	9,635659E+08	8,858025E+08	8,858015E+08	9,635580E+08	1,069490E+09	1,149636E+09	1,182518E+09	1,184906E+09	1,184907E+09	1,182516E+09	1,149622E+09
-504	1,069461E+09	9,635216E+08	8,857662E+08	8,857664E+08	9,635325E+08	1,069476E+09	1,149624E+09	1,182508E+09	1,184899E+09	1,184901E+09	1,182508E+09	1,149616E+09
-503	1,069459E+09	9,635334E+08	8,858034E+08	8,858124E+08	9,635664E+08	1,069500E+09	1,149639E+09	1,182510E+09	1,184894E+09	1,184898E+09	1,182519E+09	1,149651E+09
-502	1,069515E+09	9,635717E+08	8,858167E+08	8,858198E+08	9,635717E+08	1,069504E+09	1,149651E+09	1,182529E+09	1,184913E+09	1,184849E+09	1,182517E+09	1,149624E+09
-501	1,069472E+09	9,635384E+08	8,857883E+08	8,857910E+08	9,635435E+08	1,069478E+09	1,149635E+09	1,182529E+09	1,184914E+09	1,184904E+09	1,182507E+09	1,149626E+09
-500	1,069495E+09	9,635873E+08	8,858513E+08	8,858477E+08	9,635879E+08	1,069507E+09	1,149644E+09	1,182524E+09	1,184914E+09	1,184912E+09	1,182522E+09	1,149646E+09
-499	1,069510E+09	9,635884E+08	8,858461E+08	8,858343E+08	9,635635E+08	1,069483E+09	1,149631E+09	1,182523E+09	1,184920E+09	1,184918E+09	1,182515E+09	1,149617E+09
-498	1,069470E+09	9,635526E+08	8,858250E+08	8,858332E+08	9,635683E+08	1,069479E+09	1,149617E+09	1,182505E+09	1,184906E+09	1,184916E+09	1,182524E+09	1,149637E+09
-497	1,069506E+09	9,635992E+08	8,858635E+08	8,858657E+08	9,636072E+08	1,069519E+09	1,149643E+09	1,182513E+09	1,184903E+09	1,184911E+09	1,182529E+09	1,149645E+09
-496	1,069491E+09	9,635597E+08	8,858152E+08	8,858144E+08	9,635640E+08	1,069495E+09	1,149637E+09	1,182515E+09	1,184899E+09	1,184895E+09	1,182501E+09	1,149619E+09
-495	1,069476E+09	9,635512E+08	8,858170E+08	8,858231E+08	9,635685E+08	1,069497E+09	1,149641E+09	1,182519E+09	1,184902E+09	1,184894E+09	1,182504E+09	1,149637E+09
-494	1,069518E+09	9,635908E+08	8,858317E+08	8,858262E+08	9,635704E+08	1,069498E+09	1,149646E+09	1,182531E+09	1,184918E+09	1,184914E+09	1,182514E+09	1,149616E+09
-493	1,069462E+09	9,635332E+08	8,857816E+08	8,857777E+08	9,635278E+08	1,069465E+09	1,149627E+09	1,182524E+09	1,184913E+09	1,184905E+09	1,182506E+09	1,149614E+09
-492	1,069462E+09	9,635397E+08	8,858049E+08	8,858106E+08	9,635621E+08	1,069494E+09	1,149634E+09	1,182512E+09	1,184902E+09	1,184908E+09	1,182526E+09	1,149648E+09
-491	1,069497E+09	9,635497E+08	8,857929E+08	8,857900E+08	9,635403E+08	1,069479E+09	1,149631E+09	1,182512E+09	1,184900E+09	1,184906E+09	1,182518E+09	1,149624E+09
-490	1,069461E+09	9,635102E+08	8,857510E+08	8,857590E+08	9,635222E+08	1,069465E+09	1,149619E+09	1,182502E+09	1,184889E+09	1,184895E+09	1,182512E+09	1,149630E+09
-489	1,069490E+09	9,635628E+08	8,858041E+08	8,857981E+08	9,635564E+08	1,069497E+09	1,149640E+09	1,182513E+09	1,184895E+09	1,184895E+09	1,182516E+09	1,149642E+09
-488	1,069491E+09	9,635467E+08	8,857861E+08	8,857764E+08	9,635282E+08	1,069471E+09	1,149627E+09	1,182512E+09	1,184898E+09	1,184890E+09	1,182491E+09	1,149604E+09
-487	1,069458E+09	9,635252E+08	8,857880E+08	8,857989E+08	9,635466E+08	1,069475E+09	1,149623E+09	1,182509E+09	1,184899E+09	1,184897E+09	1,182503E+09	1,149625E+09
-486	1,069499E+09	9,635792E+08	8,858288E+08	8,858319E+08	9,635808E+08	1,069502E+09	1,149638E+09	1,182515E+09	1,184907E+09	1,184913E+09	1,182524E+09	1,149628E+09
-485	1,069468E+09	9,635377E+08	8,857946E+08	8,857980E+08	9,635502E+08	1,069485E+09	1,149637E+09	1,182521E+09	1,184904E+09	1,184899E+09	1,182505E+09	1,149617E+09
-484	1,069468E+09	9,635498E+08	8,858248E+08	8,858367E+08	9,635839E+08	1,069510E+09	1,149648E+09	1,182523E+09	1,184907E+09	1,184905E+09	1,182517E+09	1,149648E+09
-483	1,069521E+09	9,636001E+08	8,858533E+08	8,858455E+08	9,635790E+08	1,069499E+09	1,149642E+09	1,182526E+09	1,184917E+09	1,184915E+09	1,182516E+09	1,149623E+09
-482	1,069482E+09	9,635668E+08	8,858289E+08	8,858274E+08	9,635597E+08	1,069475E+09	1,149622E+09	1,182517E+09	1,184917E+09	1,184917E+09	1,182511E+09	1,149620E+09
-481	1,069495E+09	9,636064E+08	8,858853E+08	8,858825E+08	9,636066E+08	1,069506E+09	1,149632E+09	1,182517E+09	1,184918E+09	1,184923E+09	1,182531E+09	1,149650E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-480	1,069514E+09	9,636018E+08	8,858729E+08	8,858723E+08	9,635967E+08	1,069495E+09	1,149622E+09	1,182506E+09	1,184907E+09	1,184911E+09	1,182512E+09	1,149619E+09
-479	1,069478E+09	9,635674E+08	8,858475E+08	8,858625E+08	9,635955E+08	1,069499E+09	1,149628E+09	1,182506E+09	1,184898E+09	1,184901E+09	1,182511E+09	1,149637E+09
-478	1,069518E+09	9,636194E+08	8,858851E+08	8,858824E+08	9,636149E+08	1,069522E+09	1,149648E+09	1,182519E+09	1,184905E+09	1,184907E+09	1,182522E+09	1,149641E+09
-477	1,069499E+09	9,635825E+08	8,858459E+08	8,858386E+08	9,635687E+08	1,069491E+09	1,149644E+09	1,182530E+09	1,184911E+09	1,184895E+09	1,182489E+09	1,149604E+09
-476	1,069471E+09	9,635647E+08	8,858421E+08	8,858507E+08	9,635838E+08	1,069498E+09	1,149639E+09	1,182525E+09	1,184918E+09	1,184911E+09	1,182508E+09	1,149626E+09
-475	1,069507E+09	9,636032E+08	8,858597E+08	8,858538E+08	9,635850E+08	1,069494E+09	1,149630E+09	1,182515E+09	1,184915E+09	1,184921E+09	1,182524E+09	1,149621E+09
-474	1,069464E+09	9,635439E+08	8,858034E+08	8,858047E+08	9,635495E+08	1,069474E+09	1,149619E+09	1,182507E+09	1,184905E+09	1,184911E+09	1,182515E+09	1,149620E+09
-473	1,069468E+09	9,635519E+08	8,858230E+08	8,858295E+08	9,635737E+08	1,069498E+09	1,149636E+09	1,182512E+09	1,184901E+09	1,184907E+09	1,182528E+09	1,149657E+09
-472	1,069511E+09	9,635684E+08	8,858136E+08	8,858151E+08	9,635599E+08	1,069484E+09	1,149628E+09	1,182508E+09	1,184894E+09	1,184894E+09	1,182504E+09	1,149619E+09
-471	1,069472E+09	9,635365E+08	8,857821E+08	8,857880E+08	9,635410E+08	1,069474E+09	1,149624E+09	1,182507E+09	1,184892E+09	1,184887E+09	1,182497E+09	1,149620E+09
-470	1,069493E+09	9,635860E+08	8,858390E+08	8,858286E+08	9,635681E+08	1,069492E+09	1,149634E+09	1,182513E+09	1,184900E+09	1,184902E+09	1,182517E+09	1,149636E+09
-469	1,069489E+09	9,635643E+08	8,858224E+08	8,858168E+08	9,635507E+08	1,069475E+09	1,149627E+09	1,182515E+09	1,184902E+09	1,184893E+09	1,182490E+09	1,149598E+09
-468	1,069453E+09	9,635340E+08	8,858099E+08	8,858305E+08	9,635757E+08	1,069492E+09	1,149628E+09	1,182510E+09	1,184905E+09	1,184905E+09	1,182509E+09	1,149624E+09
-467	1,069499E+09	9,635953E+08	8,858551E+08	8,858564E+08	9,635965E+08	1,069508E+09	1,149637E+09	1,182510E+09	1,184901E+09	1,184909E+09	1,182524E+09	1,149635E+09
-466	1,069484E+09	9,635642E+08	8,858254E+08	8,858254E+08	9,635653E+08	1,069488E+09	1,149633E+09	1,182519E+09	1,184909E+09	1,184903E+09	1,182501E+09	1,149613E+09
-465	1,069478E+09	9,635783E+08	8,858600E+08	8,858628E+08	9,635902E+08	1,069502E+09	1,149642E+09	1,182528E+09	1,184921E+09	1,184915E+09	1,182518E+09	1,149645E+09
-464	1,069528E+09	9,636245E+08	8,858925E+08	8,858887E+08	9,636048E+08	1,069496E+09	1,149626E+09	1,182515E+09	1,184917E+09	1,184918E+09	1,182513E+09	1,149617E+09
-463	1,069485E+09	9,635889E+08	8,858667E+08	8,858710E+08	9,635935E+08	1,069489E+09	1,149618E+09	1,182508E+09	1,184911E+09	1,184912E+09	1,182510E+09	1,149621E+09
-462	1,069498E+09	9,636221E+08	8,859141E+08	8,859136E+08	9,636292E+08	1,069517E+09	1,149632E+09	1,182509E+09	1,184911E+09	1,184921E+09	1,182535E+09	1,149657E+09
-461	1,069523E+09	9,636199E+08	8,859017E+08	8,859037E+08	9,636172E+08	1,069508E+09	1,149637E+09	1,182516E+09	1,184907E+09	1,184902E+09	1,182500E+09	1,149613E+09
-460	1,069483E+09	9,635828E+08	8,858664E+08	8,858834E+08	9,636136E+08	1,069512E+09	1,149638E+09	1,182520E+09	1,184912E+09	1,184905E+09	1,182503E+09	1,149623E+09
-459	1,069514E+09	9,636389E+08	8,859142E+08	8,859027E+08	9,636212E+08	1,069518E+09	1,149644E+09	1,182521E+09	1,184913E+09	1,184912E+09	1,182519E+09	1,149636E+09
-458	1,069500E+09	9,635999E+08	8,858762E+08	8,858679E+08	9,635823E+08	1,069486E+09	1,149629E+09	1,182523E+09	1,184921E+09	1,184911E+09	1,182496E+09	1,149599E+09
-457	1,069466E+09	9,635715E+08	8,858615E+08	8,858722E+08	9,635956E+08	1,069494E+09	1,149628E+09	1,182520E+09	1,184923E+09	1,184924E+09	1,182523E+09	1,149637E+09
-456	1,069511E+09	9,636091E+08	8,858752E+08	8,858797E+08	9,636090E+08	1,069502E+09	1,149620E+09	1,182497E+09	1,184900E+09	1,184914E+09	1,182525E+09	1,149630E+09
-455	1,069479E+09	9,635622E+08	8,858237E+08	8,858257E+08	9,635677E+08	1,069486E+09	1,149623E+09	1,182503E+09	1,184892E+09	1,184892E+09	1,182503E+09	1,149623E+09
-454	1,069484E+09	9,635775E+08	8,858492E+08	8,858467E+08	9,635789E+08	1,069495E+09	1,149633E+09	1,182512E+09	1,184899E+09	1,184898E+09	1,182517E+09	1,149653E+09
-453	1,069522E+09	9,635978E+08	8,858526E+08	8,858470E+08	9,635710E+08	1,069482E+09	1,149630E+09	1,182515E+09	1,184899E+09	1,184888E+09	1,182486E+09	1,149600E+09
-452	1,069467E+09	9,635540E+08	8,858150E+08	8,858253E+08	9,635669E+08	1,069482E+09	1,149623E+09	1,182512E+09	1,184905E+09	1,184898E+09	1,182493E+09	1,149602E+09
-451	1,069479E+09	9,635987E+08	8,858721E+08	8,858638E+08	9,635932E+08	1,069500E+09	1,149627E+09	1,182505E+09	1,184899E+09	1,184907E+09	1,182521E+09	1,149637E+09
-450	1,069489E+09	9,635760E+08	8,858494E+08	8,858497E+08	9,635783E+08	1,069489E+09	1,149628E+09	1,182511E+09	1,184906E+09	1,184903E+09	1,182496E+09	1,149601E+09
-449	1,069457E+09	9,635468E+08	8,858305E+08	8,858512E+08	9,635899E+08	1,069500E+09	1,149636E+09	1,182520E+09	1,184916E+09	1,184913E+09	1,182515E+09	1,149634E+09
-448	1,069513E+09	9,636148E+08	8,858798E+08	8,858837E+08	9,636159E+08	1,069511E+09	1,149633E+09	1,182510E+09	1,184905E+09	1,184909E+09	1,182519E+09	1,149635E+09
-447	1,069498E+09	9,635949E+08	8,858637E+08	8,858577E+08	9,635826E+08	1,069491E+09	1,149631E+09	1,182520E+09	1,184914E+09	1,184903E+09	1,182497E+09	1,149612E+09
-446	1,069486E+09	9,636056E+08	8,859012E+08	8,858990E+08	9,636047E+08	1,069492E+09	1,149625E+09	1,182520E+09	1,184925E+09	1,184924E+09	1,182526E+09	1,149649E+09
-445	1,069533E+09	9,636458E+08	8,859313E+08	8,859305E+08	9,636307E+08	1,069502E+09	1,149622E+09	1,182507E+09	1,184912E+09	1,184916E+09	1,182511E+09	1,149616E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-444	1,069487E+09	9,636026E+08	8,858935E+08	8,859052E+08	9,636257E+08	1,069510E+09	1,149625E+09	1,182505E+09	1,184908E+09	1,184911E+09	1,182507E+09	1,149617E+09
-443	1,069501E+09	9,636408E+08	8,859415E+08	8,859374E+08	9,636448E+08	1,069524E+09	1,149634E+09	1,182506E+09	1,184902E+09	1,184909E+09	1,182523E+09	1,149654E+09
-442	1,069533E+09	9,636425E+08	8,859299E+08	8,859277E+08	9,636320E+08	1,069513E+09	1,149636E+09	1,182519E+09	1,184915E+09	1,184904E+09	1,182488E+09	1,149600E+09
-441	1,069483E+09	9,636012E+08	8,858939E+08	8,859036E+08	9,636203E+08	1,069508E+09	1,149636E+09	1,182528E+09	1,184929E+09	1,184918E+09	1,182505E+09	1,149618E+09
-440	1,069511E+09	9,636474E+08	8,859382E+08	8,859342E+08	9,636423E+08	1,069516E+09	1,149629E+09	1,182511E+09	1,184914E+09	1,184918E+09	1,182520E+09	1,149633E+09
-439	1,069501E+09	9,636120E+08	8,859004E+08	8,858962E+08	9,636060E+08	1,069496E+09	1,149626E+09	1,182516E+09	1,184916E+09	1,184909E+09	1,182500E+09	1,149608E+09
-438	1,069472E+09	9,635830E+08	8,858820E+08	8,858912E+08	9,636060E+08	1,069495E+09	1,149623E+09	1,182512E+09	1,184917E+09	1,184922E+09	1,182528E+09	1,149649E+09
-437	1,069526E+09	9,636276E+08	8,858997E+08	8,859013E+08	9,636199E+08	1,069507E+09	1,149628E+09	1,182502E+09	1,184897E+09	1,184902E+09	1,182511E+09	1,149626E+09
-436	1,069489E+09	9,635835E+08	8,858490E+08	8,858477E+08	9,635842E+08	1,069496E+09	1,149629E+09	1,182510E+09	1,184900E+09	1,184892E+09	1,182490E+09	1,149606E+09
-435	1,069482E+09	9,636022E+08	8,858852E+08	8,858729E+08	9,635889E+08	1,069491E+09	1,149625E+09	1,182508E+09	1,184901E+09	1,184899E+09	1,182508E+09	1,149642E+09
-434	1,069521E+09	9,636167E+08	8,858893E+08	8,858856E+08	9,635959E+08	1,069484E+09	1,149616E+09	1,182509E+09	1,184910E+09	1,184903E+09	1,182487E+09	1,149591E+09
-433	1,069460E+09	9,635613E+08	8,858397E+08	8,858544E+08	9,635901E+08	1,069489E+09	1,149619E+09	1,182510E+09	1,184914E+09	1,184913E+09	1,182507E+09	1,149610E+09
-432	1,069480E+09	9,636010E+08	8,858899E+08	8,858943E+08	9,636222E+08	1,069513E+09	1,149626E+09	1,182496E+09	1,184893E+09	1,184904E+09	1,182522E+09	1,149645E+09
-431	1,069503E+09	9,635962E+08	8,858746E+08	8,858741E+08	9,635977E+08	1,069502E+09	1,149636E+09	1,182515E+09	1,184903E+09	1,184894E+09	1,182492E+09	1,149608E+09
-430	1,069473E+09	9,635740E+08	8,858626E+08	8,858723E+08	9,635942E+08	1,069492E+09	1,149630E+09	1,182523E+09	1,184922E+09	1,184916E+09	1,182514E+09	1,149637E+09
-429	1,069529E+09	9,636477E+08	8,859247E+08	8,859192E+08	9,636285E+08	1,069508E+09	1,149629E+09	1,182510E+09	1,184911E+09	1,184911E+09	1,182509E+09	1,149624E+09
-428	1,069502E+09	9,636193E+08	8,859044E+08	8,859001E+08	9,636116E+08	1,069498E+09	1,149623E+09	1,182514E+09	1,184919E+09	1,184912E+09	1,182495E+09	1,149600E+09
-427	1,069482E+09	9,636260E+08	8,859390E+08	8,859376E+08	9,636327E+08	1,069501E+09	1,149615E+09	1,182503E+09	1,184914E+09	1,184921E+09	1,182525E+09	1,149651E+09
-426	1,069540E+09	9,636636E+08	8,859638E+08	8,859679E+08	9,636618E+08	1,069518E+09	1,149621E+09	1,182502E+09	1,184911E+09	1,184915E+09	1,182505E+09	1,149613E+09
-425	1,069491E+09	9,636157E+08	8,859155E+08	8,859268E+08	9,636424E+08	1,069520E+09	1,149635E+09	1,182518E+09	1,184918E+09	1,184913E+09	1,182504E+09	1,149617E+09
-424	1,069506E+09	9,636523E+08	8,859633E+08	8,859630E+08	9,636633E+08	1,069531E+09	1,149636E+09	1,182510E+09	1,184908E+09	1,184908E+09	1,182513E+09	1,149645E+09
-423	1,069539E+09	9,636645E+08	8,859613E+08	8,859534E+08	9,636443E+08	1,069516E+09	1,149637E+09	1,182524E+09	1,184923E+09	1,184909E+09	1,182488E+09	1,149597E+09
-422	1,069482E+09	9,636158E+08	8,859224E+08	8,859281E+08	9,636277E+08	1,069497E+09	1,149621E+09	1,182523E+09	1,184937E+09	1,184934E+09	1,182517E+09	1,149625E+09
-421	1,069517E+09	9,636599E+08	8,859633E+08	8,859601E+08	9,636586E+08	1,069521E+09	1,149623E+09	1,182501E+09	1,184909E+09	1,184919E+09	1,182522E+09	1,149637E+09
-420	1,069508E+09	9,636231E+08	8,859191E+08	8,859186E+08	9,636263E+08	1,069509E+09	1,149628E+09	1,182510E+09	1,184910E+09	1,184907E+09	1,182497E+09	1,149606E+09
-419	1,069481E+09	9,636043E+08	8,859070E+08	8,859099E+08	9,636148E+08	1,069495E+09	1,149617E+09	1,182504E+09	1,184905E+09	1,184908E+09	1,182516E+09	1,149648E+09
-418	1,069540E+09	9,636536E+08	8,859324E+08	8,859278E+08	9,636334E+08	1,069506E+09	1,149619E+09	1,182501E+09	1,184903E+09	1,184902E+09	1,182496E+09	1,149609E+09
-417	1,069487E+09	9,636021E+08	8,858819E+08	8,858756E+08	9,635976E+08	1,069496E+09	1,149626E+09	1,182515E+09	1,184913E+09	1,184902E+09	1,182489E+09	1,149597E+09
-416	1,069475E+09	9,636075E+08	8,859123E+08	8,859119E+08	9,636191E+08	1,069499E+09	1,149616E+09	1,182499E+09	1,184901E+09	1,184903E+09	1,182506E+09	1,149634E+09
-415	1,069518E+09	9,636271E+08	8,859155E+08	8,859177E+08	9,636261E+08	1,069505E+09	1,149623E+09	1,182506E+09	1,184906E+09	1,184902E+09	1,182493E+09	1,149598E+09
-414	1,069464E+09	9,635714E+08	8,858617E+08	8,858762E+08	9,636041E+08	1,069496E+09	1,149622E+09	1,182513E+09	1,184918E+09	1,184919E+09	1,182515E+09	1,149623E+09
-413	1,069497E+09	9,636196E+08	8,859133E+08	8,859141E+08	9,636336E+08	1,069521E+09	1,149635E+09	1,182504E+09	1,184898E+09	1,184902E+09	1,182514E+09	1,149643E+09
-412	1,069517E+09	9,636217E+08	8,859053E+08	8,858995E+08	9,636128E+08	1,069508E+09	1,149638E+09	1,182523E+09	1,184915E+09	1,184902E+09	1,182487E+09	1,149597E+09
-411	1,069479E+09	9,636058E+08	8,859064E+08	8,859052E+08	9,636037E+08	1,069482E+09	1,149613E+09	1,182512E+09	1,184922E+09	1,184919E+09	1,182512E+09	1,149633E+09
-410	1,069535E+09	9,636722E+08	8,859680E+08	8,859632E+08	9,636544E+08	1,069506E+09	1,149608E+09	1,182497E+09	1,184915E+09	1,184921E+09	1,182511E+09	1,149618E+09
-409	1,069500E+09	9,636339E+08	8,859371E+08	8,859364E+08	9,636401E+08	1,069510E+09	1,149619E+09	1,182506E+09	1,184918E+09	1,184917E+09	1,182502E+09	1,149605E+09

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												
-408	1,069487E+09	9,636344E+08	8,859628E+08	8,859722E+08	9,636633E+08	1,069518E+09	1,149616E+09	1,182494E+09	1,184902E+09	1,184909E+09	1,182514E+09	1,149648E+09
-407	1,069552E+09	9,636869E+08	8,859925E+08	8,859945E+08	9,636827E+08	1,069534E+09	1,149633E+09	1,182509E+09	1,184907E+09	1,184902E+09	1,182494E+09	1,149610E+09
-406	1,069499E+09	9,636390E+08	8,859474E+08	8,859491E+08	9,636470E+08	1,069515E+09	1,149632E+09	1,182525E+09	1,184931E+09	1,184920E+09	1,182501E+09	1,149612E+09
-405	1,069512E+09	9,636723E+08	8,859971E+08	8,859919E+08	9,636743E+08	1,069530E+09	1,149635E+09	1,182514E+09	1,184919E+09	1,184916E+09	1,182507E+09	1,149632E+09
-404	1,069535E+09	9,636777E+08	8,859906E+08	8,859868E+08	9,636679E+08	1,069522E+09	1,149631E+09	1,182521E+09	1,184931E+09	1,184923E+09	1,182495E+09	1,149589E+09
-403	1,069479E+09	9,636297E+08	8,859487E+08	8,859541E+08	9,636438E+08	1,069500E+09	1,149609E+09	1,182506E+09	1,184927E+09	1,184933E+09	1,182523E+09	1,149633E+09
-402	1,069528E+09	9,636756E+08	8,859876E+08	8,859864E+08	9,636774E+08	1,069526E+09	1,149617E+09	1,182494E+09	1,184909E+09	1,184918E+09	1,182519E+09	1,149637E+09
-401	1,069517E+09	9,636388E+08	8,859394E+08	8,859367E+08	9,636385E+08	1,069515E+09	1,149631E+09	1,182514E+09	1,184915E+09	1,184907E+09	1,182494E+09	1,149605E+09
-400	1,069489E+09	9,636182E+08	8,859310E+08	8,859368E+08	9,636320E+08	1,069499E+09	1,149614E+09	1,182501E+09	1,184905E+09	1,184903E+09	1,182502E+09	1,149635E+09
-399	1,069544E+09	9,636760E+08	8,859664E+08	8,859590E+08	9,636516E+08	1,069513E+09	1,149621E+09	1,182502E+09	1,184904E+09	1,184901E+09	1,182494E+09	1,149603E+09
-398	1,069483E+09	9,636125E+08	8,859098E+08	8,859049E+08	9,636128E+08	1,069494E+09	1,149618E+09	1,182512E+09	1,184920E+09	1,184915E+09	1,182500E+09	1,149602E+09
-397	1,069479E+09	9,636147E+08	8,859334E+08	8,859378E+08	9,636407E+08	1,069515E+09	1,149622E+09	1,182495E+09	1,184899E+09	1,184905E+09	1,182507E+09	1,149634E+09
-396	1,069524E+09	9,636388E+08	8,859348E+08	8,859395E+08	9,636449E+08	1,069520E+09	1,149632E+09	1,182509E+09	1,184907E+09	1,184904E+09	1,182491E+09	1,149595E+09
-395	1,069475E+09	9,635960E+08	8,858887E+08	8,858947E+08	9,636089E+08	1,069492E+09	1,149616E+09	1,182509E+09	1,184915E+09	1,184912E+09	1,182507E+09	1,149624E+09
-394	1,069515E+09	9,636521E+08	8,859522E+08	8,859448E+08	9,636442E+08	1,069513E+09	1,149620E+09	1,182503E+09	1,184910E+09	1,184907E+09	1,182505E+09	1,149631E+09
-393	1,069521E+09	9,636463E+08	8,859446E+08	8,859352E+08	9,636290E+08	1,069504E+09	1,149627E+09	1,182519E+09	1,184925E+09	1,184914E+09	1,182490E+09	1,149592E+09
-392	1,069479E+09	9,636191E+08	8,859428E+08	8,859526E+08	9,636377E+08	1,069490E+09	1,149600E+09	1,182495E+09	1,184913E+09	1,184918E+09	1,182509E+09	1,149628E+09
-391	1,069538E+09	9,636918E+08	8,860038E+08	8,860034E+08	9,636876E+08	1,069528E+09	1,149615E+09	1,182491E+09	1,184903E+09	1,184912E+09	1,182512E+09	1,149622E+09
-390	1,069505E+09	9,636488E+08	8,859663E+08	8,859667E+08	9,636593E+08	1,069520E+09	1,149626E+09	1,182511E+09	1,184920E+09	1,184917E+09	1,182502E+09	1,149610E+09
-389	1,069501E+09	9,636538E+08	8,859887E+08	8,859964E+08	9,636812E+08	1,069533E+09	1,149631E+09	1,182505E+09	1,184909E+09	1,184907E+09	1,182501E+09	1,149635E+09
-388	1,069556E+09	9,637089E+08	8,860231E+08	8,860209E+08	9,636985E+08	1,069543E+09	1,149640E+09	1,182521E+09	1,184925E+09	1,184914E+09	1,182489E+09	1,149594E+09
-387	1,069499E+09	9,636620E+08	8,859826E+08	8,859785E+08	9,636552E+08	1,069505E+09	1,149619E+09	1,182520E+09	1,184938E+09	1,184931E+09	1,182507E+09	1,149612E+09
-386	1,069516E+09	9,636885E+08	8,860276E+08	8,860264E+08	9,636939E+08	1,069525E+09	1,149615E+09	1,182504E+09	1,184928E+09	1,184930E+09	1,182517E+09	1,149634E+09
-385	1,069536E+09	9,636861E+08	8,860105E+08	8,860115E+08	9,636869E+08	1,069530E+09	1,149626E+09	1,182512E+09	1,184928E+09	1,184930E+09	1,182508E+09	1,149603E+09
-384	1,069490E+09	9,636381E+08	8,859666E+08	8,859801E+08	9,636633E+08	1,069508E+09	1,149606E+09	1,182492E+09	1,184909E+09	1,184918E+09	1,182515E+09	1,149635E+09
-383	1,069543E+09	9,637010E+08	8,860138E+08	8,860077E+08	9,636905E+08	1,069536E+09	1,149623E+09	1,182494E+09	1,184898E+09	1,184902E+09	1,182508E+09	1,149634E+09
-382	1,069525E+09	9,636628E+08	8,859718E+08	8,859610E+08	9,636442E+08	1,069510E+09	1,149626E+09	1,182517E+09	1,184922E+09	1,184909E+09	1,182487E+09	1,149598E+09
-381	1,069493E+09	9,636367E+08	8,859610E+08	8,859654E+08	9,636482E+08	1,069506E+09	1,149615E+09	1,182500E+09	1,184909E+09	1,184904E+09	1,182492E+09	1,149615E+09
-380	1,069534E+09	9,636859E+08	8,859926E+08	8,859922E+08	9,636790E+08	1,069528E+09	1,149624E+09	1,182503E+09	1,184911E+09	1,184910E+09	1,182495E+09	1,149593E+09
-379	1,069478E+09	9,636241E+08	8,859329E+08	8,859305E+08	9,636284E+08	1,069500E+09	1,149614E+09	1,182505E+09	1,184915E+09	1,184916E+09	1,182504E+09	1,149609E+09
-378	1,069488E+09	9,636278E+08	8,859532E+08	8,859610E+08	9,636545E+08	1,069517E+09	1,149620E+09	1,182500E+09	1,184909E+09	1,184908E+09	1,182506E+09	1,149634E+09
-377	1,069532E+09	9,636559E+08	8,859558E+08	8,859578E+08	9,636544E+08	1,069523E+09	1,149634E+09	1,182516E+09	1,184919E+09	1,184913E+09	1,182494E+09	1,149597E+09
-376	1,069484E+09	9,636163E+08	8,859206E+08	8,859261E+08	9,636223E+08	1,069489E+09	1,149606E+09	1,182501E+09	1,184914E+09	1,184913E+09	1,182500E+09	1,149616E+09
-375	1,069523E+09	9,636824E+08	8,859953E+08	8,859845E+08	9,636640E+08	1,069513E+09	1,149611E+09	1,182495E+09	1,184906E+09	1,184909E+09	1,182509E+09	1,149630E+09
-374	1,069522E+09	9,636655E+08	8,859831E+08	8,859769E+08	9,636531E+08	1,069504E+09	1,149612E+09	1,182507E+09	1,184924E+09	1,184921E+09	1,182499E+09	1,149600E+09
-373	1,069488E+09	9,636355E+08	8,859721E+08	8,859872E+08	9,636683E+08	1,069513E+09	1,149607E+09	1,182487E+09	1,184903E+09	1,184910E+09	1,182502E+09	1,149624E+09

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°
-372	1,069543E+09	9,637097E+08	8,860322E+08	8,860352E+08	9,637146E+08	1,069550E+09	1,149630E+09	1,182498E+09	1,184903E+09	1,184907E+09	1,182500E+09	1,149613E+09
-371	1,069514E+09	9,636752E+08	8,859979E+08	8,859928E+08	9,636699E+08	1,069522E+09	1,149627E+09	1,182515E+09	1,184923E+09	1,184913E+09	1,182492E+09	1,149604E+09
-370	1,069510E+09	9,636803E+08	8,860242E+08	8,860284E+08	9,636944E+08	1,069528E+09	1,149623E+09	1,182513E+09	1,184929E+09	1,184919E+09	1,182496E+09	1,149621E+09
-369	1,069552E+09	9,637251E+08	8,860544E+08	8,860530E+08	9,637156E+08	1,069542E+09	1,149633E+09	1,182522E+09	1,184939E+09	1,184934E+09	1,182502E+09	1,149595E+09
-368	1,069496E+09	9,636694E+08	8,860094E+08	8,860158E+08	9,636813E+08	1,069511E+09	1,149607E+09	1,182504E+09	1,184930E+09	1,184934E+09	1,182513E+09	1,149617E+09
-367	1,069524E+09	9,637068E+08	8,860545E+08	8,860554E+08	9,637155E+08	1,069538E+09	1,149617E+09	1,182496E+09	1,184914E+09	1,184924E+09	1,182523E+09	1,149645E+09
-366	1,069546E+09	9,637019E+08	8,860321E+08	8,860326E+08	9,636973E+08	1,069531E+09	1,149626E+09	1,182512E+09	1,184926E+09	1,184926E+09	1,182507E+09	1,149611E+09
-365	1,069508E+09	9,636610E+08	8,859893E+08	8,859986E+08	9,636770E+08	1,069520E+09	1,149615E+09	1,182496E+09	1,184908E+09	1,184908E+09	1,182497E+09	1,149620E+09
-364	1,069546E+09	9,637243E+08	8,860452E+08	8,860336E+08	9,637035E+08	1,069541E+09	1,149628E+09	1,182501E+09	1,184906E+09	1,184904E+09	1,182495E+09	1,149613E+09
-363	1,069519E+09	9,636813E+08	8,860032E+08	8,859910E+08	9,636551E+08	1,069503E+09	1,149615E+09	1,182511E+09	1,184924E+09	1,184914E+09	1,182487E+09	1,149592E+09
-362	1,069490E+09	9,636473E+08	8,859850E+08	8,859977E+08	9,636710E+08	1,069507E+09	1,149603E+09	1,182497E+09	1,184919E+09	1,184916E+09	1,182496E+09	1,149611E+09
-361	1,069528E+09	9,636884E+08	8,860060E+08	8,860128E+08	9,636971E+08	1,069538E+09	1,149626E+09	1,182501E+09	1,184913E+09	1,184918E+09	1,182506E+09	1,149603E+09
-360	1,069485E+09	9,636313E+08	8,859490E+08	8,859534E+08	9,636430E+08	1,069504E+09	1,149613E+09	1,182499E+09	1,184907E+09	1,184907E+09	1,182499E+09	1,149612E+09
-359	1,069504E+09	9,636566E+08	8,859827E+08	8,859828E+08	9,636626E+08	1,069517E+09	1,149620E+09	1,182500E+09	1,184904E+09	1,184903E+09	1,182503E+09	1,149634E+09
-358	1,069540E+09	9,636829E+08	8,859927E+08	8,859871E+08	9,636609E+08	1,069512E+09	1,149622E+09	1,182514E+09	1,184926E+09	1,184920E+09	1,182495E+09	1,149596E+09
-357	1,069493E+09	9,636418E+08	8,859585E+08	8,859643E+08	9,636478E+08	1,069498E+09	1,149600E+09	1,182491E+09	1,184911E+09	1,184912E+09	1,182494E+09	1,149603E+09
-356	1,069520E+09	9,637013E+08	8,860320E+08	8,860273E+08	9,636989E+08	1,069532E+09	1,149614E+09	1,182489E+09	1,184903E+09	1,184911E+09	1,182506E+09	1,149623E+09
-355	1,069524E+09	9,636843E+08	8,860150E+08	8,860135E+08	9,636789E+08	1,069517E+09	1,149614E+09	1,182501E+09	1,184916E+09	1,184915E+09	1,182497E+09	1,149603E+09
-354	1,069499E+09	9,636558E+08	8,859995E+08	8,860192E+08	9,636915E+08	1,069522E+09	1,149612E+09	1,182500E+09	1,184917E+09	1,184911E+09	1,182494E+09	1,149615E+09
-353	1,069545E+09	9,637271E+08	8,860573E+08	8,860595E+08	9,637306E+08	1,069559E+09	1,149640E+09	1,182513E+09	1,184921E+09	1,184919E+09	1,182502E+09	1,149610E+09
-352	1,069517E+09	9,636927E+08	8,860308E+08	8,860259E+08	9,636838E+08	1,069519E+09	1,149622E+09	1,182516E+09	1,184930E+09	1,184920E+09	1,182492E+09	1,149599E+09
-351	1,069514E+09	9,637038E+08	8,860599E+08	8,860625E+08	9,637112E+08	1,069527E+09	1,149615E+09	1,182508E+09	1,184930E+09	1,184930E+09	1,182511E+09	1,149627E+09
-350	1,069553E+09	9,637397E+08	8,860833E+08	8,860844E+08	9,637334E+08	1,069541E+09	1,149619E+09	1,182510E+09	1,184939E+09	1,184944E+09	1,182517E+09	1,149612E+09
-349	1,069512E+09	9,636877E+08	8,860316E+08	8,860384E+08	9,637023E+08	1,069526E+09	1,149607E+09	1,182491E+09	1,184915E+09	1,184922E+09	1,182505E+09	1,149617E+09
-348	1,069535E+09	9,637289E+08	8,860808E+08	8,860794E+08	9,637325E+08	1,069548E+09	1,149623E+09	1,182497E+09	1,184908E+09	1,184911E+09	1,182506E+09	1,149637E+09
-347	1,069558E+09	9,637305E+08	8,860638E+08	8,860574E+08	9,637050E+08	1,069525E+09	1,149618E+09	1,182508E+09	1,184923E+09	1,184915E+09	1,182490E+09	1,149601E+09
-346	1,069513E+09	9,636854E+08	8,860233E+08	8,860300E+08	9,636903E+08	1,069513E+09	1,149606E+09	1,182502E+09	1,184923E+09	1,184912E+09	1,182484E+09	1,149598E+09
-345	1,069532E+09	9,637320E+08	8,860711E+08	8,860650E+08	9,637253E+08	1,069547E+09	1,149626E+09	1,182503E+09	1,184917E+09	1,184919E+09	1,182502E+09	1,149607E+09
-344	1,069508E+09	9,636817E+08	8,860243E+08	8,860232E+08	9,636804E+08	1,069512E+09	1,149611E+09	1,182502E+09	1,184919E+09	1,184915E+09	1,182490E+09	1,149593E+09
-343	1,069492E+09	9,636584E+08	8,860036E+08	8,860193E+08	9,636895E+08	1,069520E+09	1,149610E+09	1,182495E+09	1,184912E+09	1,184915E+09	1,182506E+09	1,149622E+09
-342	1,069535E+09	9,637000E+08	8,860226E+08	8,860294E+08	9,637054E+08	1,069538E+09	1,149626E+09	1,182506E+09	1,184919E+09	1,184922E+09	1,182510E+09	1,149615E+09
-341	1,069504E+09	9,636557E+08	8,859716E+08	8,859700E+08	9,636551E+08	1,069512E+09	1,149615E+09	1,182499E+09	1,184909E+09	1,184903E+09	1,182488E+09	1,149603E+09
-340	1,069511E+09	9,636850E+08	8,860212E+08	8,860149E+08	9,636773E+08	1,069517E+09	1,149617E+09	1,182502E+09	1,184911E+09	1,184907E+09	1,182496E+09	1,149623E+09
-339	1,069543E+09	9,637079E+08	8,860323E+08	8,860265E+08	9,636795E+08	1,069505E+09	1,149604E+09	1,182501E+09	1,184923E+09	1,184922E+09	1,182497E+09	1,149597E+09
-338	1,069498E+09	9,636614E+08	8,859930E+08	8,860058E+08	9,636783E+08	1,069504E+09	1,149592E+09	1,182487E+09	1,184914E+09	1,184915E+09	1,182493E+09	1,149599E+09
-337	1,069517E+09	9,637121E+08	8,860560E+08	8,860579E+08	9,637264E+08	1,069551E+09	1,149624E+09	1,182491E+09	1,184903E+09	1,184911E+09	1,182507E+09	1,149626E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-336	1,069529E+09	9,636983E+08	8,860416E+08	8,860442E+08	9,637003E+08	1,069527E+09	1,149620E+09	1,182503E+09	1,184913E+09	1,184906E+09	1,182485E+09	1,149599E+09
-335	1,069511E+09	9,636867E+08	8,860345E+08	8,860466E+08	9,637058E+08	1,069527E+09	1,149617E+09	1,182507E+09	1,184922E+09	1,184914E+09	1,182493E+09	1,149611E+09
-334	1,069547E+09	9,637484E+08	8,860925E+08	8,860902E+08	9,637405E+08	1,069550E+09	1,149629E+09	1,182516E+09	1,184937E+09	1,184934E+09	1,182508E+09	1,149612E+09
-333	1,069524E+09	9,637138E+08	8,860634E+08	8,860596E+08	9,637092E+08	1,069528E+09	1,149614E+09	1,182507E+09	1,184932E+09	1,184926E+09	1,182493E+09	1,149595E+09
-332	1,069515E+09	9,637226E+08	8,860940E+08	8,860982E+08	9,637368E+08	1,069537E+09	1,149612E+09	1,182500E+09	1,184927E+09	1,184931E+09	1,182511E+09	1,149629E+09
-331	1,069561E+09	9,637578E+08	8,861108E+08	8,861121E+08	9,637492E+08	1,069543E+09	1,149613E+09	1,182500E+09	1,184928E+09	1,184936E+09	1,182515E+09	1,149619E+09
-330	1,069528E+09	9,637112E+08	8,860592E+08	8,860657E+08	9,637202E+08	1,069529E+09	1,149606E+09	1,182497E+09	1,184921E+09	1,184916E+09	1,182491E+09	1,149606E+09
-329	1,069537E+09	9,637468E+08	8,861058E+08	8,861012E+08	9,637466E+08	1,069555E+09	1,149627E+09	1,182504E+09	1,184917E+09	1,184914E+09	1,182499E+09	1,149626E+09
-328	1,069555E+09	9,637437E+08	8,860949E+08	8,860897E+08	9,637211E+08	1,069524E+09	1,149612E+09	1,182505E+09	1,184925E+09	1,184916E+09	1,182483E+09	1,149589E+09
-327	1,069510E+09	9,637008E+08	8,860526E+08	8,860613E+08	9,637113E+08	1,069516E+09	1,149599E+09	1,182496E+09	1,184923E+09	1,184922E+09	1,182496E+09	1,149599E+09
-326	1,069523E+09	9,637323E+08	8,860879E+08	8,860884E+08	9,637435E+08	1,069552E+09	1,149620E+09	1,182498E+09	1,184920E+09	1,184928E+09	1,182515E+09	1,149622E+09
-325	1,069518E+09	9,636914E+08	8,860364E+08	8,860371E+08	9,636991E+08	1,069530E+09	1,149617E+09	1,182497E+09	1,184910E+09	1,184908E+09	1,182486E+09	1,149596E+09
-324	1,069503E+09	9,636784E+08	8,860261E+08	8,860359E+08	9,636990E+08	1,069525E+09	1,149616E+09	1,182501E+09	1,184913E+09	1,184909E+09	1,182493E+09	1,149619E+09
-323	1,069550E+09	9,637282E+08	8,860537E+08	8,860499E+08	9,637081E+08	1,069527E+09	1,149614E+09	1,182502E+09	1,184920E+09	1,184919E+09	1,182501E+09	1,149612E+09
-322	1,069516E+09	9,636853E+08	8,860116E+08	8,860054E+08	9,636703E+08	1,069502E+09	1,149601E+09	1,182500E+09	1,184920E+09	1,184908E+09	1,182479E+09	1,149587E+09
-321	1,069504E+09	9,637002E+08	8,860551E+08	8,860535E+08	9,637059E+08	1,069525E+09	1,149611E+09	1,182497E+09	1,184915E+09	1,184915E+09	1,182500E+09	1,149621E+09
-320	1,069539E+09	9,637180E+08	8,860649E+08	8,860677E+08	9,637118E+08	1,069519E+09	1,149602E+09	1,182490E+09	1,184913E+09	1,184916E+09	1,182494E+09	1,149598E+09
-319	1,069504E+09	9,636799E+08	8,860228E+08	8,860374E+08	9,637042E+08	1,069521E+09	1,149602E+09	1,182488E+09	1,184910E+09	1,184913E+09	1,182496E+09	1,149602E+09
-318	1,069521E+09	9,637260E+08	8,860811E+08	8,860831E+08	9,637428E+08	1,069558E+09	1,149630E+09	1,182503E+09	1,184917E+09	1,184918E+09	1,182507E+09	1,149629E+09
-317	1,069544E+09	9,637248E+08	8,860704E+08	8,860660E+08	9,637169E+08	1,069538E+09	1,149624E+09	1,182509E+09	1,184922E+09	1,184910E+09	1,182476E+09	1,149586E+09
-316	1,069513E+09	9,637128E+08	8,860749E+08	8,860799E+08	9,637209E+08	1,069525E+09	1,149613E+09	1,182511E+09	1,184935E+09	1,184926E+09	1,182491E+09	1,149605E+09
-315	1,069551E+09	9,637685E+08	8,861291E+08	8,861274E+08	9,637592E+08	1,069542E+09	1,149608E+09	1,182501E+09	1,184937E+09	1,184943E+09	1,182517E+09	1,149621E+09
-314	1,069534E+09	9,637331E+08	8,860954E+08	8,860957E+08	9,637338E+08	1,069529E+09	1,149602E+09	1,182498E+09	1,184931E+09	1,184928E+09	1,182494E+09	1,149597E+09
-313	1,069520E+09	9,637361E+08	8,861180E+08	8,861255E+08	9,637595E+08	1,069550E+09	1,149615E+09	1,182496E+09	1,184921E+09	1,184927E+09	1,182510E+09	1,149633E+09
-312	1,069570E+09	9,637765E+08	8,861404E+08	8,861402E+08	9,637655E+08	1,069547E+09	1,149611E+09	1,182495E+09	1,184918E+09	1,184920E+09	1,182497E+09	1,149611E+09
-311	1,069538E+09	9,637403E+08	8,860956E+08	8,860936E+08	9,637347E+08	1,069532E+09	1,149607E+09	1,182497E+09	1,184921E+09	1,184915E+09	1,182484E+09	1,149594E+09
-310	1,069531E+09	9,637599E+08	8,861363E+08	8,861312E+08	9,637619E+08	1,069553E+09	1,149621E+09	1,182506E+09	1,184929E+09	1,184925E+09	1,182499E+09	1,149621E+09
-309	1,069554E+09	9,637546E+08	8,861167E+08	8,861161E+08	9,637492E+08	1,069542E+09	1,149611E+09	1,182500E+09	1,184925E+09	1,184919E+09	1,182481E+09	1,149581E+09
-308	1,069505E+09	9,637096E+08	8,860754E+08	8,860860E+08	9,637332E+08	1,069531E+09	1,149607E+09	1,182498E+09	1,184925E+09	1,184924E+09	1,182496E+09	1,149603E+09
-307	1,069531E+09	9,637410E+08	8,861036E+08	8,861049E+08	9,637529E+08	1,069552E+09	1,149618E+09	1,182497E+09	1,184919E+09	1,184927E+09	1,182516E+09	1,149632E+09
-306	1,069536E+09	9,637120E+08	8,860585E+08	8,860551E+08	9,637070E+08	1,069527E+09	1,149616E+09	1,182508E+09	1,184923E+09	1,184909E+09	1,182478E+09	1,149589E+09
-305	1,069509E+09	9,636983E+08	8,860535E+08	8,860564E+08	9,637073E+08	1,069524E+09	1,149613E+09	1,182505E+09	1,184924E+09	1,184918E+09	1,182493E+09	1,149614E+09
-304	1,069550E+09	9,637466E+08	8,860914E+08	8,860844E+08	9,637222E+08	1,069520E+09	1,149600E+09	1,182492E+09	1,184919E+09	1,184921E+09	1,182498E+09	1,149605E+09
-303	1,069519E+09	9,637077E+08	8,860506E+08	8,860449E+08	9,636981E+08	1,069509E+09	1,149590E+09	1,182485E+09	1,184914E+09	1,184915E+09	1,182489E+09	1,149589E+09
-302	1,069502E+09	9,637083E+08	8,860805E+08	8,860848E+08	9,637314E+08	1,069536E+09	1,149607E+09	1,182488E+09	1,184912E+09	1,184918E+09	1,182504E+09	1,149629E+09
-301	1,069552E+09	9,637345E+08	8,860858E+08	8,860915E+08	9,637401E+08	1,069543E+09	1,149611E+09	1,182489E+09	1,184905E+09	1,184904E+09	1,182482E+09	1,149592E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-300	1,069513E+09	9,637049E+08	8,860569E+08	8,860645E+08	9,637204E+08	1,069530E+09	1,149611E+09	1,182500E+09	1,184917E+09	1,184908E+09	1,182480E+09	1,149594E+09
-299	1,069531E+09	9,637488E+08	8,861152E+08	8,861104E+08	9,637508E+08	1,069550E+09	1,149620E+09	1,182504E+09	1,184926E+09	1,184924E+09	1,182502E+09	1,149624E+09
-298	1,069551E+09	9,637504E+08	8,861113E+08	8,861045E+08	9,637349E+08	1,069531E+09	1,149613E+09	1,182513E+09	1,184938E+09	1,184923E+09	1,182476E+09	1,149576E+09
-297	1,069508E+09	9,637268E+08	8,861080E+08	8,861169E+08	9,637479E+08	1,069533E+09	1,149605E+09	1,182503E+09	1,184939E+09	1,184939E+09	1,182503E+09	1,149610E+09
-296	1,069551E+09	9,637809E+08	8,861613E+08	8,861630E+08	9,637841E+08	1,069551E+09	1,149602E+09	1,182487E+09	1,184924E+09	1,184936E+09	1,182517E+09	1,149627E+09
-295	1,069549E+09	9,637567E+08	8,861276E+08	8,861273E+08	9,637571E+08	1,069541E+09	1,149604E+09	1,182491E+09	1,184921E+09	1,184923E+09	1,182494E+09	1,149599E+09
-294	1,069529E+09	9,637537E+08	8,861434E+08	8,861495E+08	9,637749E+08	1,069555E+09	1,149617E+09	1,182501E+09	1,184927E+09	1,184926E+09	1,182503E+09	1,149631E+09
-293	1,069583E+09	9,638014E+08	8,861682E+08	8,861628E+08	9,637847E+08	1,069560E+09	1,149615E+09	1,182497E+09	1,184921E+09	1,184917E+09	1,182483E+09	1,149593E+09
-292	1,069534E+09	9,637603E+08	8,861329E+08	8,861264E+08	9,637515E+08	1,069535E+09	1,149607E+09	1,182503E+09	1,184932E+09	1,184921E+09	1,182479E+09	1,149585E+09
-291	1,069528E+09	9,637663E+08	8,861600E+08	8,861598E+08	9,637794E+08	1,069553E+09	1,149609E+09	1,182498E+09	1,184932E+09	1,184935E+09	1,182507E+09	1,149626E+09
-290	1,069559E+09	9,637647E+08	8,861369E+08	8,861396E+08	9,637659E+08	1,069546E+09	1,149610E+09	1,182501E+09	1,184929E+09	1,184923E+09	1,182483E+09	1,149582E+09
-289	1,069508E+09	9,637176E+08	8,860900E+08	8,861011E+08	9,637446E+08	1,069540E+09	1,149612E+09	1,182501E+09	1,184927E+09	1,184925E+09	1,182497E+09	1,149608E+09
-288	1,069542E+09	9,637595E+08	8,861290E+08	8,861234E+08	9,637573E+08	1,069547E+09	1,149611E+09	1,182493E+09	1,184915E+09	1,184918E+09	1,182504E+09	1,149628E+09
-287	1,069550E+09	9,637418E+08	8,860951E+08	8,860822E+08	9,637161E+08	1,069520E+09	1,149605E+09	1,182499E+09	1,184923E+09	1,184915E+09	1,182478E+09	1,149581E+09
-286	1,069508E+09	9,637144E+08	8,860877E+08	8,860914E+08	9,637255E+08	1,069521E+09	1,149599E+09	1,182496E+09	1,184928E+09	1,184927E+09	1,182497E+09	1,149612E+09
-285	1,069554E+09	9,637634E+08	8,861199E+08	8,861180E+08	9,637556E+08	1,069539E+09	1,149595E+09	1,182478E+09	1,184909E+09	1,184917E+09	1,182493E+09	1,149597E+09
-284	1,069517E+09	9,637221E+08	8,860827E+08	8,860793E+08	9,637263E+08	1,069529E+09	1,149600E+09	1,182486E+09	1,184911E+09	1,184909E+09	1,182480E+09	1,149588E+09
-283	1,069510E+09	9,637192E+08	8,861029E+08	8,861112E+08	9,637507E+08	1,069545E+09	1,149611E+09	1,182491E+09	1,184914E+09	1,184915E+09	1,182498E+09	1,149629E+09
-282	1,069566E+09	9,637574E+08	8,861143E+08	8,861166E+08	9,637537E+08	1,069546E+09	1,149618E+09	1,182505E+09	1,184921E+09	1,184909E+09	1,182472E+09	1,149580E+09
-281	1,069514E+09	9,637242E+08	8,860891E+08	8,860918E+08	9,637331E+08	1,069533E+09	1,149613E+09	1,182509E+09	1,184935E+09	1,184925E+09	1,182484E+09	1,149589E+09
-280	1,069530E+09	9,637666E+08	8,861539E+08	8,861470E+08	9,637658E+08	1,069543E+09	1,149605E+09	1,182496E+09	1,184929E+09	1,184932E+09	1,182507E+09	1,149624E+09
-279	1,069557E+09	9,637721E+08	8,861491E+08	8,861443E+08	9,637612E+08	1,069536E+09	1,149598E+09	1,182494E+09	1,184933E+09	1,184935E+09	1,182492E+09	1,149584E+09
-278	1,069514E+09	9,637400E+08	8,861350E+08	8,861483E+08	9,637714E+08	1,069543E+09	1,149600E+09	1,182491E+09	1,184932E+09	1,184939E+09	1,182509E+09	1,149623E+09
-277	1,069572E+09	9,638047E+08	8,861855E+08	8,861869E+08	9,638086E+08	1,069570E+09	1,149607E+09	1,182482E+09	1,184912E+09	1,184920E+09	1,182500E+09	1,149619E+09
-276	1,069561E+09	9,637876E+08	8,861668E+08	8,861579E+08	9,637736E+08	1,069549E+09	1,149611E+09	1,182499E+09	1,184924E+09	1,184912E+09	1,182472E+09	1,149588E+09
-275	1,069537E+09	9,637761E+08	8,861780E+08	8,861802E+08	9,637869E+08	1,069551E+09	1,149609E+09	1,182502E+09	1,184935E+09	1,184929E+09	1,182493E+09	1,149618E+09
-274	1,069583E+09	9,638212E+08	8,862034E+08	8,861991E+08	9,638042E+08	1,069560E+09	1,149612E+09	1,182504E+09	1,184934E+09	1,184927E+09	1,182481E+09	1,149579E+09
-273	1,069523E+09	9,637651E+08	8,861566E+08	8,861568E+08	9,637753E+08	1,069549E+09	1,149609E+09	1,182503E+09	1,184939E+09	1,184935E+09	1,182491E+09	1,149587E+09
-272	1,069523E+09	9,637687E+08	8,861784E+08	8,861821E+08	9,637939E+08	1,069560E+09	1,149609E+09	1,182492E+09	1,184927E+09	1,184934E+09	1,182511E+09	1,149632E+09
-271	1,069571E+09	9,637814E+08	8,861580E+08	8,861600E+08	9,637787E+08	1,069551E+09	1,149610E+09	1,182497E+09	1,184928E+09	1,184930E+09	1,182490E+09	1,149587E+09
-270	1,069519E+09	9,637340E+08	8,861092E+08	8,861160E+08	9,637495E+08	1,069537E+09	1,149606E+09	1,182500E+09	1,184933E+09	1,184930E+09	1,182497E+09	1,149610E+09
-269	1,069556E+09	9,637845E+08	8,861548E+08	8,861443E+08	9,637701E+08	1,069549E+09	1,149603E+09	1,182485E+09	1,184913E+09	1,184917E+09	1,182495E+09	1,149615E+09
-268	1,069551E+09	9,637651E+08	8,861356E+08	8,861211E+08	9,637363E+08	1,069521E+09	1,149596E+09	1,182493E+09	1,184922E+09	1,184913E+09	1,182472E+09	1,149577E+09
-267	1,069509E+09	9,637237E+08	8,861138E+08	8,861250E+08	9,637491E+08	1,069525E+09	1,149587E+09	1,182481E+09	1,184920E+09	1,184927E+09	1,182498E+09	1,149614E+09
-266	1,069561E+09	9,637779E+08	8,861450E+08	8,861475E+08	9,637782E+08	1,069554E+09	1,149603E+09	1,182481E+09	1,184905E+09	1,184911E+09	1,182486E+09	1,149592E+09
-265	1,069520E+09	9,637346E+08	8,861046E+08	8,861030E+08	9,637437E+08	1,069544E+09	1,149613E+09	1,182496E+09	1,184915E+09	1,184908E+09	1,182476E+09	1,149584E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-264	1,069514E+09	9,637381E+08	8,861320E+08	8,861345E+08	9,637588E+08	1,069545E+09	1,149610E+09	1,182496E+09	1,184919E+09	1,184914E+09	1,182488E+09	1,149619E+09
-263	1,069573E+09	9,637854E+08	8,861540E+08	8,861505E+08	9,637681E+08	1,069543E+09	1,149608E+09	1,182500E+09	1,184931E+09	1,184926E+09	1,182478E+09	1,149573E+09
-262	1,069513E+09	9,637404E+08	8,861228E+08	8,861284E+08	9,637530E+08	1,069531E+09	1,149600E+09	1,182502E+09	1,184943E+09	1,184940E+09	1,182496E+09	1,149594E+09
-261	1,069539E+09	9,637871E+08	8,861828E+08	8,861813E+08	9,637968E+08	1,069558E+09	1,149599E+09	1,182482E+09	1,184920E+09	1,184931E+09	1,182508E+09	1,149625E+09
-260	1,069565E+09	9,637952E+08	8,861868E+08	8,861824E+08	9,637872E+08	1,069550E+09	1,149603E+09	1,182492E+09	1,184927E+09	1,184926E+09	1,182486E+09	1,149590E+09
-259	1,069530E+09	9,637602E+08	8,861638E+08	8,861784E+08	9,637902E+08	1,069549E+09	1,149600E+09	1,182490E+09	1,184930E+09	1,184933E+09	1,182500E+09	1,149621E+09
-258	1,069587E+09	9,638351E+08	8,862211E+08	8,862163E+08	9,638225E+08	1,069575E+09	1,149614E+09	1,182494E+09	1,184922E+09	1,184920E+09	1,182486E+09	1,149602E+09
-257	1,069557E+09	9,638067E+08	8,862020E+08	8,861911E+08	9,637905E+08	1,069555E+09	1,149615E+09	1,182509E+09	1,184940E+09	1,184925E+09	1,182473E+09	1,149575E+09
-256	1,069528E+09	9,637882E+08	8,862108E+08	8,862157E+08	9,638056E+08	1,069549E+09	1,149599E+09	1,182496E+09	1,184939E+09	1,184938E+09	1,182497E+09	1,149613E+09
-255	1,069581E+09	9,638328E+08	8,862293E+08	8,862311E+08	9,638282E+08	1,069568E+09	1,149602E+09	1,182489E+09	1,184933E+09	1,184942E+09	1,182497E+09	1,149586E+09
-254	1,069524E+09	9,637694E+08	8,861702E+08	8,861762E+08	9,637904E+08	1,069556E+09	1,149609E+09	1,182498E+09	1,184936E+09	1,184939E+09	1,182500E+09	1,149602E+09
-253	1,069542E+09	9,637878E+08	8,861919E+08	8,861948E+08	9,638053E+08	1,069566E+09	1,149609E+09	1,182487E+09	1,184917E+09	1,184921E+09	1,182500E+09	1,149628E+09
-252	1,069583E+09	9,638091E+08	8,861900E+08	8,861826E+08	9,637847E+08	1,069548E+09	1,149608E+09	1,182498E+09	1,184928E+09	1,184920E+09	1,182475E+09	1,149581E+09
-251	1,069528E+09	9,637556E+08	8,861405E+08	8,861448E+08	9,637599E+08	1,069528E+09	1,149591E+09	1,182491E+09	1,184932E+09	1,184931E+09	1,182491E+09	1,149601E+09
-250	1,069560E+09	9,638063E+08	8,861891E+08	8,861798E+08	9,637896E+08	1,069551E+09	1,149598E+09	1,182483E+09	1,184913E+09	1,184917E+09	1,182490E+09	1,149602E+09
-249	1,069542E+09	9,637732E+08	8,861618E+08	8,861559E+08	9,637650E+08	1,069540E+09	1,149602E+09	1,182491E+09	1,184921E+09	1,184915E+09	1,182474E+09	1,149575E+09
-248	1,069506E+09	9,637318E+08	8,861364E+08	8,861524E+08	9,637689E+08	1,069537E+09	1,149593E+09	1,182481E+09	1,184915E+09	1,184919E+09	1,182492E+09	1,149611E+09
-247	1,069567E+09	9,637955E+08	8,861696E+08	8,861734E+08	9,637963E+08	1,069563E+09	1,149608E+09	1,182484E+09	1,184912E+09	1,184919E+09	1,182486E+09	1,149588E+09
-246	1,069524E+09	9,637512E+08	8,861278E+08	8,861242E+08	9,637531E+08	1,069545E+09	1,149615E+09	1,182505E+09	1,184931E+09	1,184921E+09	1,182479E+09	1,149584E+09
-245	1,069524E+09	9,637625E+08	8,861599E+08	8,861604E+08	9,637730E+08	1,069545E+09	1,149604E+09	1,182494E+09	1,184926E+09	1,184922E+09	1,182488E+09	1,149612E+09
-244	1,069574E+09	9,638095E+08	8,861956E+08	8,861918E+08	9,637900E+08	1,069543E+09	1,149598E+09	1,182495E+09	1,184935E+09	1,184932E+09	1,182484E+09	1,149580E+09
-243	1,069521E+09	9,637567E+08	8,861533E+08	8,861648E+08	9,637777E+08	1,069534E+09	1,149585E+09	1,182484E+09	1,184935E+09	1,184942E+09	1,182502E+09	1,149604E+09
-242	1,069556E+09	9,638125E+08	8,862153E+08	8,862144E+08	9,638173E+08	1,069568E+09	1,149604E+09	1,182481E+09	1,184913E+09	1,184922E+09	1,182501E+09	1,149623E+09
-241	1,069575E+09	9,638187E+08	8,862197E+08	8,862155E+08	9,638087E+08	1,069562E+09	1,149612E+09	1,182498E+09	1,184927E+09	1,184920E+09	1,182475E+09	1,149582E+09
-240	1,069535E+09	9,637865E+08	8,862013E+08	8,862094E+08	9,638033E+08	1,069549E+09	1,149597E+09	1,182492E+09	1,184933E+09	1,184928E+09	1,182486E+09	1,149605E+09
-239	1,069588E+09	9,638607E+08	8,862630E+08	8,862566E+08	9,638442E+08	1,069577E+09	1,149607E+09	1,182490E+09	1,184931E+09	1,184936E+09	1,182489E+09	1,149590E+09
-238	1,069549E+09	9,638166E+08	8,862293E+08	8,862253E+08	9,638140E+08	1,069560E+09	1,149610E+09	1,182506E+09	1,184948E+09	1,184940E+09	1,182484E+09	1,149578E+09
-237	1,069530E+09	9,637973E+08	8,862257E+08	8,862397E+08	9,638318E+08	1,069565E+09	1,149599E+09	1,182489E+09	1,184934E+09	1,184938E+09	1,182500E+09	1,149615E+09
-236	1,069585E+09	9,638465E+08	8,862529E+08	8,862569E+08	9,638462E+08	1,069578E+09	1,149608E+09	1,182491E+09	1,184930E+09	1,184934E+09	1,182495E+09	1,149597E+09
-235	1,069540E+09	9,637846E+08	8,861865E+08	8,861922E+08	9,637976E+08	1,069553E+09	1,149603E+09	1,182496E+09	1,184936E+09	1,184936E+09	1,182496E+09	1,149604E+09
-234	1,069559E+09	9,638167E+08	8,862209E+08	8,862135E+08	9,638071E+08	1,069561E+09	1,149611E+09	1,182494E+09	1,184922E+09	1,184919E+09	1,182489E+09	1,149616E+09
-233	1,069581E+09	9,638291E+08	8,862234E+08	8,862133E+08	9,637973E+08	1,069546E+09	1,149603E+09	1,182499E+09	1,184934E+09	1,184926E+09	1,182474E+09	1,149571E+09
-232	1,069521E+09	9,637702E+08	8,861722E+08	8,861787E+08	9,637790E+08	1,069526E+09	1,149577E+09	1,182479E+09	1,184927E+09	1,184930E+09	1,182489E+09	1,149595E+09
-231	1,069557E+09	9,638190E+08	8,862163E+08	8,862137E+08	9,638177E+08	1,069564E+09	1,149592E+09	1,182467E+09	1,184908E+09	1,184923E+09	1,182495E+09	1,149603E+09
-230	1,069542E+09	9,637799E+08	8,861773E+08	8,861778E+08	9,637846E+08	1,069553E+09	1,149610E+09	1,182494E+09	1,184921E+09	1,184915E+09	1,182475E+09	1,149580E+09
-229	1,069519E+09	9,637509E+08	8,861517E+08	8,861696E+08	9,637848E+08	1,069546E+09	1,149599E+09	1,182487E+09	1,184917E+09	1,184912E+09	1,182480E+09	1,149603E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-228	1,069572E+09	9,638213E+08	8,862051E+08	8,862024E+08	9,638075E+08	1,069562E+09	1,149609E+09	1,182493E+09	1,184922E+09	1,184918E+09	1,182479E+09	1,149586E+09
-227	1,069531E+09	9,637713E+08	8,861616E+08	8,861579E+08	9,637672E+08	1,069536E+09	1,149600E+09	1,182499E+09	1,184939E+09	1,184934E+09	1,182485E+09	1,149583E+09
-226	1,069531E+09	9,637879E+08	8,861984E+08	8,861981E+08	9,637926E+08	1,069546E+09	1,149599E+09	1,182490E+09	1,184927E+09	1,184929E+09	1,182493E+09	1,149609E+09
-225	1,069572E+09	9,638249E+08	8,862283E+08	8,862303E+08	9,638193E+08	1,069559E+09	1,149600E+09	1,182490E+09	1,184933E+09	1,184935E+09	1,182490E+09	1,149585E+09
-224	1,069528E+09	9,637777E+08	8,861864E+08	8,861988E+08	9,638009E+08	1,069544E+09	1,149586E+09	1,182480E+09	1,184927E+09	1,184932E+09	1,182495E+09	1,149605E+09
-223	1,069570E+09	9,638403E+08	8,862500E+08	8,862481E+08	9,638404E+08	1,069577E+09	1,149603E+09	1,182478E+09	1,184916E+09	1,184925E+09	1,182494E+09	1,149615E+09
-222	1,069579E+09	9,638403E+08	8,862507E+08	8,862453E+08	9,638262E+08	1,069568E+09	1,149616E+09	1,182506E+09	1,184939E+09	1,184927E+09	1,182473E+09	1,149577E+09
-221	1,069540E+09	9,638088E+08	8,862320E+08	8,862426E+08	9,638255E+08	1,069552E+09	1,149593E+09	1,182492E+09	1,184938E+09	1,184933E+09	1,182482E+09	1,149594E+09
-220	1,069579E+09	9,638746E+08	8,862978E+08	8,862953E+08	9,638691E+08	1,069582E+09	1,149602E+09	1,182488E+09	1,184935E+09	1,184938E+09	1,182494E+09	1,149597E+09
-219	1,069553E+09	9,638238E+08	8,862484E+08	8,862512E+08	9,638343E+08	1,069567E+09	1,149603E+09	1,182495E+09	1,184944E+09	1,184944E+09	1,182492E+09	1,149590E+09
-218	1,069546E+09	9,638175E+08	8,862469E+08	8,862562E+08	9,638391E+08	1,069570E+09	1,149607E+09	1,182492E+09	1,184929E+09	1,184931E+09	1,182494E+09	1,149615E+09
-217	1,069593E+09	9,638664E+08	8,862769E+08	8,862761E+08	9,638551E+08	1,069580E+09	1,149612E+09	1,182497E+09	1,184934E+09	1,184930E+09	1,182486E+09	1,149591E+09
-216	1,069547E+09	9,638114E+08	8,862205E+08	8,862161E+08	9,638031E+08	1,069543E+09	1,149591E+09	1,182491E+09	1,184935E+09	1,184930E+09	1,182482E+09	1,149592E+09
-215	1,069561E+09	9,638404E+08	8,862590E+08	8,862503E+08	9,638266E+08	1,069557E+09	1,149593E+09	1,182480E+09	1,184925E+09	1,184930E+09	1,182489E+09	1,149606E+09
-214	1,069574E+09	9,638374E+08	8,862487E+08	8,862466E+08	9,638239E+08	1,069555E+09	1,149599E+09	1,182492E+09	1,184935E+09	1,184932E+09	1,182479E+09	1,149573E+09
-213	1,069522E+09	9,637789E+08	8,861888E+08	8,862050E+08	9,638073E+08	1,069544E+09	1,149582E+09	1,182474E+09	1,184920E+09	1,184924E+09	1,182485E+09	1,149592E+09
-212	1,069555E+09	9,638298E+08	8,862402E+08	8,862410E+08	9,638392E+08	1,069578E+09	1,149605E+09	1,182477E+09	1,184910E+09	1,184914E+09	1,182488E+09	1,149608E+09
-211	1,069552E+09	9,637941E+08	8,861950E+08	8,861952E+08	9,637963E+08	1,069556E+09	1,149611E+09	1,182500E+09	1,184931E+09	1,184920E+09	1,182472E+09	1,149580E+09
-210	1,069531E+09	9,637778E+08	8,861817E+08	8,861886E+08	9,637880E+08	1,069544E+09	1,149605E+09	1,182498E+09	1,184930E+09	1,184921E+09	1,182477E+09	1,149594E+09
-209	1,069570E+09	9,638396E+08	8,862399E+08	8,862367E+08	9,638241E+08	1,069560E+09	1,149602E+09	1,182494E+09	1,184934E+09	1,184932E+09	1,182487E+09	1,149584E+09
-208	1,069530E+09	9,637897E+08	8,861963E+08	8,861937E+08	9,637884E+08	1,069533E+09	1,149581E+09	1,182483E+09	1,184934E+09	1,184936E+09	1,182490E+09	1,149589E+09
-207	1,069539E+09	9,638089E+08	8,862333E+08	8,862365E+08	9,638218E+08	1,069555E+09	1,149587E+09	1,182470E+09	1,184919E+09	1,184933E+09	1,182499E+09	1,149617E+09
-206	1,069583E+09	9,638436E+08	8,862552E+08	8,862591E+08	9,638411E+08	1,069570E+09	1,149604E+09	1,182488E+09	1,184926E+09	1,184927E+09	1,182485E+09	1,149589E+09
-205	1,069545E+09	9,638055E+08	8,862152E+08	8,862262E+08	9,638214E+08	1,069552E+09	1,149589E+09	1,182481E+09	1,184924E+09	1,184919E+09	1,182475E+09	1,149590E+09
-204	1,069572E+09	9,638686E+08	8,862941E+08	8,862873E+08	9,638613E+08	1,069581E+09	1,149604E+09	1,182485E+09	1,184923E+09	1,184919E+09	1,182480E+09	1,149606E+09
-203	1,069580E+09	9,638579E+08	8,862847E+08	8,862819E+08	9,638482E+08	1,069567E+09	1,149605E+09	1,182503E+09	1,184948E+09	1,184938E+09	1,182474E+09	1,149571E+09
-202	1,069541E+09	9,638279E+08	8,862640E+08	8,862738E+08	9,638459E+08	1,069562E+09	1,149598E+09	1,182494E+09	1,184942E+09	1,184940E+09	1,182486E+09	1,149591E+09
-201	1,069574E+09	9,638820E+08	8,863225E+08	8,863252E+08	9,638925E+08	1,069596E+09	1,149609E+09	1,182490E+09	1,184938E+09	1,184943E+09	1,182499E+09	1,149602E+09
-200	1,069559E+09	9,638399E+08	8,862724E+08	8,862728E+08	9,638462E+08	1,069567E+09	1,149600E+09	1,182493E+09	1,184942E+09	1,184940E+09	1,182488E+09	1,149593E+09
-199	1,069560E+09	9,638427E+08	8,862765E+08	8,862801E+08	9,638513E+08	1,069568E+09	1,149596E+09	1,182487E+09	1,184936E+09	1,184939E+09	1,182491E+09	1,149611E+09
-198	1,069599E+09	9,638864E+08	8,863049E+08	8,862982E+08	9,638642E+08	1,069577E+09	1,149606E+09	1,182497E+09	1,184942E+09	1,184938E+09	1,182485E+09	1,149587E+09
-197	1,069552E+09	9,638304E+08	8,862499E+08	8,862478E+08	9,638242E+08	1,069542E+09	1,149579E+09	1,182482E+09	1,184933E+09	1,184929E+09	1,182477E+09	1,149582E+09
-196	1,069554E+09	9,638523E+08	8,862907E+08	8,862883E+08	9,638559E+08	1,069567E+09	1,149587E+09	1,182472E+09	1,184919E+09	1,184923E+09	1,182488E+09	1,149612E+09
-195	1,069577E+09	9,638423E+08	8,862652E+08	8,862711E+08	9,638481E+08	1,069568E+09	1,149598E+09	1,182485E+09	1,184929E+09	1,184930E+09	1,182481E+09	1,149579E+09
-194	1,069535E+09	9,637973E+08	8,862097E+08	8,862199E+08	9,638168E+08	1,069556E+09	1,149599E+09	1,182484E+09	1,184919E+09	1,184917E+09	1,182476E+09	1,149587E+09
-193	1,069557E+09	9,638435E+08	8,862634E+08	8,862607E+08	9,638499E+08	1,069583E+09	1,149613E+09	1,182490E+09	1,184922E+09	1,184918E+09	1,182480E+09	1,149598E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-192	1,069555E+09	9,638182E+08	8,862287E+08	8,862198E+08	9,638035E+08	1,069547E+09	1,149600E+09	1,182499E+09	1,184939E+09	1,184926E+09	1,182468E+09	1,149573E+09
-191	1,069535E+09	9,638012E+08	8,862204E+08	8,862251E+08	9,638072E+08	1,069537E+09	1,149582E+09	1,182484E+09	1,184938E+09	1,184938E+09	1,182484E+09	1,149591E+09
-190	1,069569E+09	9,638515E+08	8,862676E+08	8,862686E+08	9,638487E+08	1,069567E+09	1,149595E+09	1,182485E+09	1,184934E+09	1,184939E+09	1,182496E+09	1,149594E+09
-189	1,069542E+09	9,638070E+08	8,862235E+08	8,862276E+08	9,638176E+08	1,069546E+09	1,149580E+09	1,182473E+09	1,184922E+09	1,184926E+09	1,182483E+09	1,149589E+09
-188	1,069547E+09	9,638308E+08	8,862680E+08	8,862722E+08	9,638477E+08	1,069568E+09	1,149592E+09	1,182473E+09	1,184914E+09	1,184917E+09	1,182486E+09	1,149620E+09
-187	1,069597E+09	9,638665E+08	8,862852E+08	8,862868E+08	9,638603E+08	1,069577E+09	1,149605E+09	1,182492E+09	1,184933E+09	1,184928E+09	1,182476E+09	1,149582E+09
-186	1,069555E+09	9,638372E+08	8,862564E+08	8,862549E+08	9,638318E+08	1,069557E+09	1,149598E+09	1,182492E+09	1,184935E+09	1,184925E+09	1,182467E+09	1,149574E+09
-185	1,069562E+09	9,638816E+08	8,863312E+08	8,863273E+08	9,638857E+08	1,069586E+09	1,149603E+09	1,182491E+09	1,184939E+09	1,184935E+09	1,182484E+09	1,149597E+09
-184	1,069575E+09	9,638721E+08	8,863158E+08	8,863156E+08	9,638717E+08	1,069571E+09	1,149593E+09	1,182492E+09	1,184949E+09	1,184946E+09	1,182482E+09	1,149577E+09
-183	1,069548E+09	9,638434E+08	8,862913E+08	8,863032E+08	9,638681E+08	1,069569E+09	1,149588E+09	1,182482E+09	1,184942E+09	1,184948E+09	1,182493E+09	1,149600E+09
-182	1,069586E+09	9,638962E+08	8,863417E+08	8,863433E+08	9,639048E+08	1,069601E+09	1,149611E+09	1,182492E+09	1,184938E+09	1,184941E+09	1,182499E+09	1,149610E+09
-181	1,069578E+09	9,638649E+08	8,862993E+08	8,862960E+08	9,638577E+08	1,069565E+09	1,149593E+09	1,182490E+09	1,184939E+09	1,184931E+09	1,182474E+09	1,149583E+09
-180	1,069565E+09	9,638687E+08	8,863176E+08	8,863161E+08	9,638679E+08	1,069566E+09	1,149587E+09	1,182482E+09	1,184935E+09	1,184933E+09	1,182483E+09	1,149606E+09
-179	1,069601E+09	9,639015E+08	8,863347E+08	8,863313E+08	9,638865E+08	1,069578E+09	1,149593E+09	1,182486E+09	1,184941E+09	1,184943E+09	1,182487E+09	1,149583E+09
-178	1,069553E+09	9,638463E+08	8,862783E+08	8,862745E+08	9,638453E+08	1,069559E+09	1,149588E+09	1,182480E+09	1,184929E+09	1,184928E+09	1,182474E+09	1,149576E+09
-177	1,069548E+09	9,638548E+08	8,863107E+08	8,863154E+08	9,638810E+08	1,069587E+09	1,149601E+09	1,182480E+09	1,184922E+09	1,184923E+09	1,182483E+09	1,149607E+09
-176	1,069581E+09	9,638556E+08	8,862833E+08	8,862876E+08	9,638591E+08	1,069573E+09	1,149600E+09	1,182489E+09	1,184932E+09	1,184927E+09	1,182473E+09	1,149577E+09
-175	1,069545E+09	9,638181E+08	8,862358E+08	8,862392E+08	9,638256E+08	1,069554E+09	1,149592E+09	1,182487E+09	1,184935E+09	1,184931E+09	1,182475E+09	1,149582E+09
-174	1,069561E+09	9,638590E+08	8,862891E+08	8,862804E+08	9,638551E+08	1,069578E+09	1,149607E+09	1,182494E+09	1,184935E+09	1,184932E+09	1,182487E+09	1,149598E+09
-173	1,069561E+09	9,638339E+08	8,862579E+08	8,862521E+08	9,638211E+08	1,069541E+09	1,149582E+09	1,182486E+09	1,184938E+09	1,184931E+09	1,182471E+09	1,149571E+09
-172	1,069536E+09	9,638177E+08	8,862561E+08	8,862652E+08	9,638362E+08	1,069545E+09	1,149570E+09	1,182468E+09	1,184926E+09	1,184932E+09	1,182487E+09	1,149604E+09
-171	1,069582E+09	9,638672E+08	8,862927E+08	8,862966E+08	9,638715E+08	1,069577E+09	1,149590E+09	1,182473E+09	1,184923E+09	1,184934E+09	1,182494E+09	1,149600E+09
-170	1,069561E+09	9,638374E+08	8,862581E+08	8,862525E+08	9,638319E+08	1,069559E+09	1,149593E+09	1,182479E+09	1,184917E+09	1,184912E+09	1,182465E+09	1,149577E+09
-169	1,069552E+09	9,638542E+08	8,863061E+08	8,863069E+08	9,638683E+08	1,069577E+09	1,149599E+09	1,182485E+09	1,184925E+09	1,184916E+09	1,182469E+09	1,149599E+09
-168	1,069596E+09	9,638929E+08	8,863270E+08	8,863237E+08	9,638784E+08	1,069575E+09	1,149596E+09	1,182491E+09	1,184942E+09	1,184934E+09	1,182469E+09	1,149569E+09
-167	1,069552E+09	9,638569E+08	8,862978E+08	8,862982E+08	9,638596E+08	1,069560E+09	1,149583E+09	1,182486E+09	1,184949E+09	1,184946E+09	1,182476E+09	1,149570E+09
-166	1,069557E+09	9,638871E+08	8,863547E+08	8,863578E+08	9,639112E+08	1,069600E+09	1,149605E+09	1,182490E+09	1,184944E+09	1,184948E+09	1,182498E+09	1,149607E+09
-165	1,069584E+09	9,638836E+08	8,863381E+08	8,863447E+08	9,638946E+08	1,069581E+09	1,149594E+09	1,182488E+09	1,184945E+09	1,184944E+09	1,182482E+09	1,149582E+09
-164	1,069561E+09	9,638648E+08	8,863210E+08	8,863322E+08	9,638869E+08	1,069576E+09	1,149588E+09	1,182482E+09	1,184939E+09	1,184940E+09	1,182490E+09	1,149608E+09
-163	1,069603E+09	9,639199E+08	8,863678E+08	8,863639E+08	9,639143E+08	1,069600E+09	1,149605E+09	1,182491E+09	1,184943E+09	1,184944E+09	1,182495E+09	1,149608E+09
-162	1,069592E+09	9,638967E+08	8,863388E+08	8,863228E+08	9,638655E+08	1,069566E+09	1,149595E+09	1,182491E+09	1,184941E+09	1,184932E+09	1,182467E+09	1,149570E+09
-161	1,069558E+09	9,638803E+08	8,863505E+08	8,863539E+08	9,638927E+08	1,069572E+09	1,149583E+09	1,182480E+09	1,184939E+09	1,184938E+09	1,182480E+09	1,149595E+09
-160	1,069598E+09	9,639137E+08	8,863596E+08	8,863603E+08	9,639099E+08	1,069588E+09	1,149586E+09	1,182473E+09	1,184934E+09	1,184942E+09	1,182487E+09	1,149584E+09
-159	1,069558E+09	9,638594E+08	8,863009E+08	8,862984E+08	9,638636E+08	1,069569E+09	1,149586E+09	1,182475E+09	1,184931E+09	1,184930E+09	1,182473E+09	1,149576E+09
-158	1,069553E+09	9,638619E+08	8,863221E+08	8,863266E+08	9,638886E+08	1,069594E+09	1,149610E+09	1,182490E+09	1,184930E+09	1,184924E+09	1,182479E+09	1,149605E+09
-157	1,069590E+09	9,638728E+08	8,863067E+08	8,863084E+08	9,638662E+08	1,069568E+09	1,149595E+09	1,182490E+09	1,184938E+09	1,184926E+09	1,182463E+09	1,149566E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-156	1,069547E+09	9,638389E+08	8,862716E+08	8,862723E+08	9,638388E+08	1,069548E+09	1,149579E+09	1,182481E+09	1,184936E+09	1,184933E+09	1,182476E+09	1,149582E+09
-155	1,069565E+09	9,638737E+08	8,863164E+08	8,863105E+08	9,638731E+08	1,069576E+09	1,149591E+09	1,182481E+09	1,184935E+09	1,184942E+09	1,182496E+09	1,149602E+09
-154	1,069570E+09	9,638559E+08	8,862910E+08	8,862813E+08	9,638407E+08	1,069555E+09	1,149586E+09	1,182477E+09	1,184928E+09	1,184928E+09	1,182471E+09	1,149570E+09
-153	1,069538E+09	9,638304E+08	8,862861E+08	8,863008E+08	9,638638E+08	1,069563E+09	1,149579E+09	1,182470E+09	1,184924E+09	1,184926E+09	1,182478E+09	1,149597E+09
-152	1,069592E+09	9,638922E+08	8,863231E+08	8,863247E+08	9,638908E+08	1,069586E+09	1,149591E+09	1,182473E+09	1,184923E+09	1,184928E+09	1,182482E+09	1,149592E+09
-151	1,069571E+09	9,638658E+08	8,862972E+08	8,862859E+08	9,638502E+08	1,069563E+09	1,149589E+09	1,182483E+09	1,184934E+09	1,184924E+09	1,182459E+09	1,149564E+09
-150	1,069550E+09	9,638690E+08	8,863374E+08	8,863390E+08	9,638860E+08	1,069581E+09	1,149601E+09	1,182493E+09	1,184942E+09	1,184933E+09	1,182475E+09	1,149593E+09
-149	1,069594E+09	9,639046E+08	8,863590E+08	8,863644E+08	9,639045E+08	1,069578E+09	1,149586E+09	1,182484E+09	1,184945E+09	1,184944E+09	1,182476E+09	1,149569E+09
-148	1,069553E+09	9,638701E+08	8,863298E+08	8,863369E+08	9,638884E+08	1,069572E+09	1,149579E+09	1,182475E+09	1,184941E+09	1,184946E+09	1,182488E+09	1,149587E+09
-147	1,069573E+09	9,639026E+08	8,863747E+08	8,863793E+08	9,639264E+08	1,069607E+09	1,149604E+09	1,182484E+09	1,184940E+09	1,184948E+09	1,182502E+09	1,149619E+09
-146	1,069608E+09	9,639160E+08	8,863693E+08	8,863632E+08	9,639011E+08	1,069587E+09	1,149602E+09	1,182491E+09	1,184942E+09	1,184935E+09	1,182471E+09	1,149576E+09
-145	1,069570E+09	9,638921E+08	8,863594E+08	8,863652E+08	9,639027E+08	1,069577E+09	1,149586E+09	1,182486E+09	1,184945E+09	1,184939E+09	1,182475E+09	1,149591E+09
-144	1,069608E+09	9,639485E+08	8,864065E+08	8,863974E+08	9,639285E+08	1,069594E+09	1,149589E+09	1,182479E+09	1,184942E+09	1,184945E+09	1,182488E+09	1,149596E+09
-143	1,069590E+09	9,639153E+08	8,863756E+08	8,863632E+08	9,638922E+08	1,069570E+09	1,149581E+09	1,182481E+09	1,184946E+09	1,184940E+09	1,182467E+09	1,149563E+09
-142	1,069552E+09	9,638831E+08	8,863687E+08	8,863806E+08	9,639164E+08	1,069589E+09	1,149591E+09	1,182481E+09	1,184939E+09	1,184941E+09	1,182483E+09	1,149595E+09
-141	1,069598E+09	9,639177E+08	8,863754E+08	8,863844E+08	9,639276E+08	1,069597E+09	1,149591E+09	1,182474E+09	1,184931E+09	1,184936E+09	1,182480E+09	1,149581E+09
-140	1,069563E+09	9,638738E+08	8,863226E+08	8,863210E+08	9,638776E+08	1,069576E+09	1,149590E+09	1,182480E+09	1,184932E+09	1,184928E+09	1,182472E+09	1,149579E+09
-139	1,069563E+09	9,638788E+08	8,863399E+08	8,863394E+08	9,638902E+08	1,069589E+09	1,149605E+09	1,182493E+09	1,184941E+09	1,184936E+09	1,182483E+09	1,149603E+09
-138	1,069599E+09	9,638984E+08	8,863392E+08	8,863303E+08	9,638703E+08	1,069565E+09	1,149591E+09	1,182489E+09	1,184942E+09	1,184934E+09	1,182465E+09	1,149559E+09
-137	1,069543E+09	9,638515E+08	8,863034E+08	8,863108E+08	9,638640E+08	1,069552E+09	1,149568E+09	1,182472E+09	1,184937E+09	1,184939E+09	1,182478E+09	1,149579E+09
-136	1,069570E+09	9,638919E+08	8,863432E+08	8,863410E+08	9,638950E+08	1,069582E+09	1,149580E+09	1,182461E+09	1,184921E+09	1,184937E+09	1,182496E+09	1,149608E+09
-135	1,069583E+09	9,638784E+08	8,863226E+08	8,863143E+08	9,638633E+08	1,069564E+09	1,149583E+09	1,182472E+09	1,184925E+09	1,184922E+09	1,182464E+09	1,149568E+09
-134	1,069547E+09	9,638487E+08	8,863111E+08	8,863252E+08	9,638797E+08	1,069574E+09	1,149590E+09	1,182480E+09	1,184929E+09	1,184923E+09	1,182468E+09	1,149587E+09
-133	1,069597E+09	9,639140E+08	8,863589E+08	8,863600E+08	9,639077E+08	1,069587E+09	1,149589E+09	1,182476E+09	1,184929E+09	1,184927E+09	1,182469E+09	1,149576E+09
-132	1,069569E+09	9,638878E+08	8,863389E+08	8,863304E+08	9,638758E+08	1,069568E+09	1,149584E+09	1,182481E+09	1,184938E+09	1,184931E+09	1,182464E+09	1,149563E+09
-131	1,069550E+09	9,638811E+08	8,863627E+08	8,863712E+08	9,639098E+08	1,069589E+09	1,149596E+09	1,182489E+09	1,184949E+09	1,184948E+09	1,182488E+09	1,149600E+09
-130	1,069602E+09	9,639252E+08	8,863893E+08	8,863923E+08	9,639244E+08	1,069594E+09	1,149595E+09	1,182483E+09	1,184943E+09	1,184946E+09	1,182481E+09	1,149574E+09
-129	1,069561E+09	9,638864E+08	8,863583E+08	8,863691E+08	9,639105E+08	1,069583E+09	1,149585E+09	1,182481E+09	1,184944E+09	1,184944E+09	1,182482E+09	1,149586E+09
-128	1,069590E+09	9,639330E+08	8,864052E+08	8,864035E+08	9,639370E+08	1,069606E+09	1,149597E+09	1,182481E+09	1,184940E+09	1,184946E+09	1,182496E+09	1,149616E+09
-127	1,069622E+09	9,639504E+08	8,864118E+08	8,863967E+08	9,639132E+08	1,069581E+09	1,149589E+09	1,182488E+09	1,184952E+09	1,184941E+09	1,182464E+09	1,149564E+09
-126	1,069568E+09	9,639091E+08	8,863914E+08	8,863979E+08	9,639195E+08	1,069578E+09	1,149582E+09	1,182485E+09	1,184952E+09	1,184947E+09	1,182476E+09	1,149582E+09
-125	1,069601E+09	9,639575E+08	8,864364E+08	8,864373E+08	9,639557E+08	1,069599E+09	1,149578E+09	1,182467E+09	1,184936E+09	1,184944E+09	1,182486E+09	1,149592E+09
-124	1,069588E+09	9,639240E+08	8,864000E+08	8,863972E+08	9,639206E+08	1,069586E+09	1,149582E+09	1,182471E+09	1,184933E+09	1,184934E+09	1,182471E+09	1,149571E+09
-123	1,069559E+09	9,638914E+08	8,863781E+08	8,863940E+08	9,639281E+08	1,069598E+09	1,149598E+09	1,182485E+09	1,184939E+09	1,184939E+09	1,182483E+09	1,149599E+09
-122	1,069611E+09	9,639409E+08	8,863975E+08	8,863962E+08	9,639306E+08	1,069603E+09	1,149601E+09	1,182482E+09	1,184934E+09	1,184931E+09	1,182470E+09	1,149572E+09
-121	1,069565E+09	9,638921E+08	8,863524E+08	8,863481E+08	9,638881E+08	1,069573E+09	1,149587E+09	1,182486E+09	1,184943E+09	1,184933E+09	1,182463E+09	1,149565E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-120	1,069565E+09	9,639018E+08	8,863703E+08	8,863669E+08	9,639004E+08	1,069579E+09	1,149587E+09	1,182480E+09	1,184941E+09	1,184944E+09	1,182487E+09	1,149601E+09
-119	1,069601E+09	9,639178E+08	8,863719E+08	8,863656E+08	9,638929E+08	1,069565E+09	1,149575E+09	1,182477E+09	1,184944E+09	1,184941E+09	1,182471E+09	1,149561E+09
-118	1,069544E+09	9,638603E+08	8,863237E+08	8,863384E+08	9,638880E+08	1,069568E+09	1,149575E+09	1,182470E+09	1,184933E+09	1,184937E+09	1,182480E+09	1,149583E+09
-117	1,069577E+09	9,639050E+08	8,863680E+08	8,863726E+08	9,639164E+08	1,069591E+09	1,149583E+09	1,182460E+09	1,184914E+09	1,184924E+09	1,182485E+09	1,149604E+09
-116	1,069592E+09	9,639016E+08	8,863544E+08	8,863476E+08	9,638857E+08	1,069576E+09	1,149589E+09	1,182476E+09	1,184923E+09	1,184916E+09	1,182458E+09	1,149566E+09
-115	1,069555E+09	9,638712E+08	8,863392E+08	8,863496E+08	9,638905E+08	1,069576E+09	1,149592E+09	1,182489E+09	1,184943E+09	1,184935E+09	1,182469E+09	1,149580E+09
-114	1,069598E+09	9,639381E+08	8,863958E+08	8,863912E+08	9,639228E+08	1,069592E+09	1,149591E+09	1,182479E+09	1,184938E+09	1,184937E+09	1,182472E+09	1,149569E+09
-113	1,069564E+09	9,639007E+08	8,863727E+08	8,863731E+08	9,639065E+08	1,069577E+09	1,149580E+09	1,182479E+09	1,184946E+09	1,184942E+09	1,182469E+09	1,149563E+09
-112	1,069559E+09	9,639021E+08	8,863886E+08	8,863981E+08	9,639276E+08	1,069593E+09	1,149587E+09	1,182476E+09	1,184942E+09	1,184949E+09	1,182494E+09	1,149610E+09
-111	1,069619E+09	9,639521E+08	8,864217E+08	8,864216E+08	9,639401E+08	1,069595E+09	1,149589E+09	1,182481E+09	1,184945E+09	1,184942E+09	1,182476E+09	1,149576E+09
-110	1,069574E+09	9,639120E+08	8,863892E+08	8,863961E+08	9,639240E+08	1,069586E+09	1,149587E+09	1,182484E+09	1,184947E+09	1,184941E+09	1,182473E+09	1,149580E+09
-109	1,069596E+09	9,639580E+08	8,864463E+08	8,864428E+08	9,639522E+08	1,069598E+09	1,149584E+09	1,182473E+09	1,184939E+09	1,184942E+09	1,182483E+09	1,149602E+09
-108	1,069621E+09	9,639723E+08	8,864542E+08	8,864443E+08	9,639438E+08	1,069587E+09	1,149580E+09	1,182476E+09	1,184944E+09	1,184941E+09	1,182468E+09	1,149561E+09
-107	1,069566E+09	9,639203E+08	8,864153E+08	8,864288E+08	9,639453E+08	1,069590E+09	1,149581E+09	1,182479E+09	1,184952E+09	1,184953E+09	1,182482E+09	1,149583E+09
-106	1,069602E+09	9,639706E+08	8,864593E+08	8,864599E+08	9,639765E+08	1,069620E+09	1,149593E+09	1,182470E+09	1,184932E+09	1,184939E+09	1,182482E+09	1,149590E+09
-105	1,069589E+09	9,639331E+08	8,864195E+08	8,864228E+08	9,639422E+08	1,069600E+09	1,149594E+09	1,182484E+09	1,184941E+09	1,184932E+09	1,182461E+09	1,149565E+09
-104	1,069570E+09	9,639127E+08	8,863952E+08	8,864056E+08	9,639321E+08	1,069595E+09	1,149595E+09	1,182487E+09	1,184947E+09	1,184943E+09	1,182480E+09	1,149597E+09
-103	1,069618E+09	9,639649E+08	8,864284E+08	8,864196E+08	9,639357E+08	1,069591E+09	1,149590E+09	1,182486E+09	1,184949E+09	1,184942E+09	1,182472E+09	1,149567E+09
-102	1,069563E+09	9,639045E+08	8,863776E+08	8,863748E+08	9,639011E+08	1,069569E+09	1,149579E+09	1,182483E+09	1,184950E+09	1,184944E+09	1,182472E+09	1,149566E+09
-101	1,069563E+09	9,639112E+08	8,863984E+08	8,864020E+08	9,639218E+08	1,069579E+09	1,149570E+09	1,182461E+09	1,184931E+09	1,184941E+09	1,182489E+09	1,149605E+09
-100	1,069607E+09	9,639337E+08	8,863994E+08	8,863990E+08	9,639202E+08	1,069580E+09	1,149575E+09	1,182462E+09	1,184924E+09	1,184930E+09	1,182473E+09	1,149570E+09
-99	1,069557E+09	9,638787E+08	8,863423E+08	8,863569E+08	9,639023E+08	1,069578E+09	1,149582E+09	1,182474E+09	1,184931E+09	1,184930E+09	1,182472E+09	1,149581E+09
-98	1,069589E+09	9,639345E+08	8,864005E+08	8,863948E+08	9,639287E+08	1,069601E+09	1,149593E+09	1,182469E+09	1,184919E+09	1,184917E+09	1,182467E+09	1,149589E+09
-97	1,069591E+09	9,639236E+08	8,863928E+08	8,863861E+08	9,639075E+08	1,069578E+09	1,149589E+09	1,182484E+09	1,184938E+09	1,184922E+09	1,182446E+09	1,149548E+09
-96	1,069554E+09	9,638931E+08	8,863718E+08	8,863831E+08	9,639099E+08	1,069574E+09	1,149580E+09	1,182482E+09	1,184950E+09	1,184947E+09	1,182476E+09	1,149579E+09
-95	1,069597E+09	9,639552E+08	8,864307E+08	8,864296E+08	9,639481E+08	1,069595E+09	1,149581E+09	1,182475E+09	1,184945E+09	1,184947E+09	1,182481E+09	1,149574E+09
-94	1,069565E+09	9,639105E+08	8,863956E+08	8,864014E+08	9,639285E+08	1,069589E+09	1,149586E+09	1,182481E+09	1,184948E+09	1,184946E+09	1,182475E+09	1,149571E+09
-93	1,069568E+09	9,639202E+08	8,864189E+08	8,864302E+08	9,639454E+08	1,069594E+09	1,149582E+09	1,182471E+09	1,184938E+09	1,184944E+09	1,182488E+09	1,149611E+09
-92	1,069634E+09	9,639821E+08	8,864592E+08	8,864555E+08	9,639603E+08	1,069600E+09	1,149585E+09	1,182476E+09	1,184940E+09	1,184940E+09	1,182474E+09	1,149575E+09
-91	1,069584E+09	9,639392E+08	8,864238E+08	8,864252E+08	9,639373E+08	1,069585E+09	1,149582E+09	1,182485E+09	1,184955E+09	1,184948E+09	1,182472E+09	1,149574E+09
-90	1,069599E+09	9,639820E+08	8,864849E+08	8,864790E+08	9,639757E+08	1,069606E+09	1,149580E+09	1,182468E+09	1,184938E+09	1,184941E+09	1,182479E+09	1,149594E+09
-89	1,069615E+09	9,639821E+08	8,864844E+08	8,864858E+08	9,639795E+08	1,069604E+09	1,149581E+09	1,182473E+09	1,184944E+09	1,184942E+09	1,182462E+09	1,149558E+09
-88	1,069572E+09	9,639350E+08	8,864338E+08	8,864491E+08	9,639632E+08	1,069601E+09	1,149582E+09	1,182474E+09	1,184946E+09	1,184951E+09	1,182483E+09	1,149587E+09
-87	1,069611E+09	9,639883E+08	8,864826E+08	8,864794E+08	9,639866E+08	1,069621E+09	1,149596E+09	1,182480E+09	1,184941E+09	1,184937E+09	1,182475E+09	1,149586E+09
-86	1,069594E+09	9,639495E+08	8,864406E+08	8,864385E+08	9,639482E+08	1,069599E+09	1,149597E+09	1,182495E+09	1,184955E+09	1,184938E+09	1,182457E+09	1,149559E+09
-85	1,069572E+09	9,639299E+08	8,864275E+08	8,864337E+08	9,639387E+08	1,069581E+09	1,149578E+09	1,182480E+09	1,184951E+09	1,184947E+09	1,182477E+09	1,149590E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	1,069619E+09	9,639817E+08	8,864609E+08	8,864554E+08	9,639586E+08	1,069592E+09	1,149575E+09	1,182470E+09	1,184941E+09	1,184947E+09	1,182482E+09	1,149573E+09
-83	1,069566E+09	9,639171E+08	8,863997E+08	8,863997E+08	9,639211E+08	1,069577E+09	1,149574E+09	1,182474E+09	1,184945E+09	1,184946E+09	1,182478E+09	1,149574E+09
-82	1,069571E+09	9,639284E+08	8,864233E+08	8,864251E+08	9,639422E+08	1,069595E+09	1,149577E+09	1,182459E+09	1,184921E+09	1,184929E+09	1,182480E+09	1,149603E+09
-81	1,069614E+09	9,639504E+08	8,864269E+08	8,864309E+08	9,639467E+08	1,069594E+09	1,149584E+09	1,182470E+09	1,184928E+09	1,184923E+09	1,182455E+09	1,149560E+09
-80	1,069569E+09	9,639061E+08	8,863702E+08	8,863769E+08	9,639124E+08	1,069578E+09	1,149579E+09	1,182476E+09	1,184939E+09	1,184934E+09	1,182465E+09	1,149571E+09
-79	1,069588E+09	9,639561E+08	8,864381E+08	8,864271E+08	9,639418E+08	1,069594E+09	1,149586E+09	1,182478E+09	1,184938E+09	1,184929E+09	1,182465E+09	1,149577E+09
-78	1,069583E+09	9,639334E+08	8,864217E+08	8,864208E+08	9,639316E+08	1,069583E+09	1,149584E+09	1,182486E+09	1,184951E+09	1,184939E+09	1,182456E+09	1,149549E+09
-77	1,069550E+09	9,639011E+08	8,864009E+08	8,864183E+08	9,639332E+08	1,069576E+09	1,149567E+09	1,182467E+09	1,184944E+09	1,184950E+09	1,182483E+09	1,149589E+09
-76	1,069608E+09	9,639721E+08	8,864588E+08	8,864616E+08	9,639738E+08	1,069608E+09	1,149581E+09	1,182462E+09	1,184929E+09	1,184942E+09	1,182488E+09	1,149588E+09
-75	1,069585E+09	9,639359E+08	8,864225E+08	8,864230E+08	9,639403E+08	1,069593E+09	1,149587E+09	1,182482E+09	1,184947E+09	1,184942E+09	1,182471E+09	1,149574E+09
-74	1,069586E+09	9,639559E+08	8,864596E+08	8,864587E+08	9,639600E+08	1,069598E+09	1,149580E+09	1,182471E+09	1,184938E+09	1,184936E+09	1,182471E+09	1,149598E+09
-73	1,069637E+09	9,640093E+08	8,865049E+08	8,865016E+08	9,639893E+08	1,069605E+09	1,149581E+09	1,182476E+09	1,184947E+09	1,184941E+09	1,182459E+09	1,149559E+09
-72	1,069586E+09	9,639627E+08	8,864598E+08	8,864618E+08	9,639630E+08	1,069590E+09	1,149572E+09	1,182476E+09	1,184955E+09	1,184954E+09	1,182473E+09	1,149569E+09
-71	1,069596E+09	9,639957E+08	8,865174E+08	8,865157E+08	9,640031E+08	1,069617E+09	1,149582E+09	1,182472E+09	1,184944E+09	1,184944E+09	1,182478E+09	1,149592E+09
-70	1,069613E+09	9,639877E+08	8,865025E+08	8,865100E+08	9,640018E+08	1,069620E+09	1,149594E+09	1,182485E+09	1,184952E+09	1,184945E+09	1,182463E+09	1,149559E+09
-69	1,069575E+09	9,639460E+08	8,864565E+08	8,864702E+08	9,639738E+08	1,069602E+09	1,149582E+09	1,182478E+09	1,184951E+09	1,184951E+09	1,182478E+09	1,149587E+09
-68	1,069620E+09	9,640085E+08	8,865098E+08	8,865011E+08	9,639973E+08	1,069622E+09	1,149593E+09	1,182477E+09	1,184943E+09	1,184945E+09	1,182480E+09	1,149587E+09
-67	1,069601E+09	9,639682E+08	8,864664E+08	8,864573E+08	9,639516E+08	1,069590E+09	1,149588E+09	1,182495E+09	1,184966E+09	1,184954E+09	1,182465E+09	1,149561E+09
-66	1,069576E+09	9,639490E+08	8,864585E+08	8,864622E+08	9,639574E+08	1,069583E+09	1,149563E+09	1,182467E+09	1,184947E+09	1,184950E+09	1,182478E+09	1,149591E+09
-65	1,069621E+09	9,639932E+08	8,864880E+08	8,864897E+08	9,639878E+08	1,069603E+09	1,149569E+09	1,182458E+09	1,184933E+09	1,184941E+09	1,182474E+09	1,149573E+09
-64	1,069580E+09	9,639356E+08	8,864206E+08	8,864191E+08	9,639372E+08	1,069585E+09	1,149573E+09	1,182465E+09	1,184933E+09	1,184936E+09	1,182471E+09	1,149575E+09
-63	1,069583E+09	9,639505E+08	8,864533E+08	8,864505E+08	9,639556E+08	1,069597E+09	1,149581E+09	1,182468E+09	1,184925E+09	1,184918E+09	1,182461E+09	1,149590E+09
-62	1,069614E+09	9,639669E+08	8,864545E+08	8,864553E+08	9,639611E+08	1,069599E+09	1,149588E+09	1,182482E+09	1,184941E+09	1,184927E+09	1,182445E+09	1,149545E+09
-61	1,069561E+09	9,639201E+08	8,864072E+08	8,864117E+08	9,639281E+08	1,069573E+09	1,149568E+09	1,182471E+09	1,184945E+09	1,184942E+09	1,182464E+09	1,149563E+09
-60	1,069585E+09	9,639676E+08	8,864693E+08	8,864642E+08	9,639703E+08	1,069604E+09	1,149578E+09	1,182465E+09	1,184935E+09	1,184941E+09	1,182480E+09	1,149583E+09
-59	1,069586E+09	9,639440E+08	8,864437E+08	8,864451E+08	9,639513E+08	1,069593E+09	1,149585E+09	1,182484E+09	1,184954E+09	1,184948E+09	1,182468E+09	1,149561E+09
-58	1,069564E+09	9,639217E+08	8,864286E+08	8,864438E+08	9,639538E+08	1,069589E+09	1,149569E+09	1,182465E+09	1,184939E+09	1,184943E+09	1,182477E+09	1,149593E+09
-57	1,069623E+09	9,639969E+08	8,864923E+08	8,864945E+08	9,639970E+08	1,069617E+09	1,149584E+09	1,182467E+09	1,184934E+09	1,184937E+09	1,182472E+09	1,149583E+09
-56	1,069604E+09	9,639711E+08	8,864611E+08	8,864505E+08	9,639518E+08	1,069591E+09	1,149580E+09	1,182480E+09	1,184951E+09	1,184944E+09	1,182464E+09	1,149566E+09
-55	1,069592E+09	9,639850E+08	8,865068E+08	8,865006E+08	9,639782E+08	1,069593E+09	1,149572E+09	1,182475E+09	1,184949E+09	1,184941E+09	1,182465E+09	1,149584E+09
-54	1,069630E+09	9,640219E+08	8,865388E+08	8,865421E+08	9,640207E+08	1,069617E+09	1,149578E+09	1,182475E+09	1,184955E+09	1,184951E+09	1,182463E+09	1,149555E+09
-53	1,069580E+09	9,639712E+08	8,864909E+08	8,864971E+08	9,639889E+08	1,069600E+09	1,149567E+09	1,182465E+09	1,184950E+09	1,184954E+09	1,182475E+09	1,149573E+09
-52	1,069602E+09	9,640064E+08	8,865397E+08	8,865426E+08	9,640264E+08	1,069632E+09	1,149588E+09	1,182468E+09	1,184937E+09	1,184944E+09	1,182482E+09	1,149597E+09
-51	1,069626E+09	9,640065E+08	8,865229E+08	8,865244E+08	9,640076E+08	1,069622E+09	1,149599E+09	1,182495E+09	1,184963E+09	1,184950E+09	1,182462E+09	1,149560E+09
-50	1,069587E+09	9,639721E+08	8,864870E+08	8,864902E+08	9,639806E+08	1,069598E+09	1,149574E+09	1,182477E+09	1,184956E+09	1,184951E+09	1,182470E+09	1,149578E+09
-49	1,069623E+09	9,640279E+08	8,865450E+08	8,865367E+08	9,640171E+08	1,069621E+09	1,149581E+09	1,182471E+09	1,184948E+09	1,184949E+09	1,182474E+09	1,149580E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-48	1,069608E+09	9,639878E+08	8,864956E+08	8,864857E+08	9,639692E+08	1,069589E+09	1,149571E+09	1,182475E+09	1,184957E+09	1,184956E+09	1,182470E+09	1,149562E+09
-47	1,069579E+09	9,639627E+08	8,864871E+08	8,864930E+08	9,639779E+08	1,069589E+09	1,149561E+09	1,182463E+09	1,184941E+09	1,184943E+09	1,182473E+09	1,149588E+09
-46	1,069623E+09	9,640012E+08	8,865067E+08	8,865139E+08	9,640112E+08	1,069621E+09	1,149579E+09	1,182464E+09	1,184934E+09	1,184937E+09	1,182466E+09	1,149568E+09
-45	1,069582E+09	9,639500E+08	8,864471E+08	8,864423E+08	9,639502E+08	1,069590E+09	1,149573E+09	1,182466E+09	1,184934E+09	1,184930E+09	1,182459E+09	1,149566E+09
-44	1,069587E+09	9,639675E+08	8,864815E+08	8,864766E+08	9,639713E+08	1,069603E+09	1,149583E+09	1,182468E+09	1,184930E+09	1,184927E+09	1,182462E+09	1,149581E+09
-43	1,069613E+09	9,639814E+08	8,864820E+08	8,864801E+08	9,639711E+08	1,069597E+09	1,149585E+09	1,182487E+09	1,184956E+09	1,184944E+09	1,182454E+09	1,149545E+09
-42	1,069562E+09	9,639336E+08	8,864354E+08	8,864420E+08	9,639505E+08	1,069580E+09	1,149557E+09	1,182462E+09	1,184946E+09	1,184949E+09	1,182470E+09	1,149566E+09
-41	1,069590E+09	9,639798E+08	8,864955E+08	8,864968E+08	9,639977E+08	1,069618E+09	1,149577E+09	1,182458E+09	1,184931E+09	1,184940E+09	1,182477E+09	1,149590E+09
-40	1,069608E+09	9,639689E+08	8,864693E+08	8,864659E+08	9,639635E+08	1,069597E+09	1,149581E+09	1,182476E+09	1,184947E+09	1,184944E+09	1,182466E+09	1,149567E+09
-39	1,069583E+09	9,639544E+08	8,864687E+08	8,864752E+08	9,639656E+08	1,069585E+09	1,149567E+09	1,182472E+09	1,184944E+09	1,184935E+09	1,182461E+09	1,149582E+09
-38	1,069631E+09	9,640238E+08	8,865326E+08	8,865307E+08	9,640165E+08	1,069620E+09	1,149581E+09	1,182472E+09	1,184945E+09	1,184942E+09	1,182463E+09	1,149567E+09
-37	1,069599E+09	9,639927E+08	8,865089E+08	8,864970E+08	9,639762E+08	1,069590E+09	1,149566E+09	1,182470E+09	1,184952E+09	1,184948E+09	1,182461E+09	1,149557E+09
-36	1,069589E+09	9,639995E+08	8,865432E+08	8,865452E+08	9,640147E+08	1,069611E+09	1,149569E+09	1,182462E+09	1,184943E+09	1,184949E+09	1,182474E+09	1,149583E+09
-35	1,069629E+09	9,640315E+08	8,865620E+08	8,865691E+08	9,640431E+08	1,069634E+09	1,149588E+09	1,182479E+09	1,184959E+09	1,184959E+09	1,182471E+09	1,149563E+09
-34	1,069590E+09	9,639869E+08	8,865140E+08	8,865215E+08	9,640099E+08	1,069615E+09	1,149574E+09	1,182470E+09	1,184952E+09	1,184952E+09	1,182470E+09	1,149574E+09
-33	1,069614E+09	9,640254E+08	8,865644E+08	8,865667E+08	9,640424E+08	1,069640E+09	1,149592E+09	1,182475E+09	1,184947E+09	1,184944E+09	1,182470E+09	1,149592E+09
-32	1,069641E+09	9,640328E+08	8,865510E+08	8,865425E+08	9,640096E+08	1,069613E+09	1,149588E+09	1,182491E+09	1,184969E+09	1,184960E+09	1,182465E+09	1,149558E+09
-31	1,069593E+09	9,639950E+08	8,865244E+08	8,865245E+08	9,639914E+08	1,069586E+09	1,149560E+09	1,182475E+09	1,184961E+09	1,184956E+09	1,182469E+09	1,149572E+09
-30	1,069620E+09	9,640369E+08	8,865694E+08	8,865680E+08	9,640404E+08	1,069627E+09	1,149572E+09	1,182461E+09	1,184945E+09	1,184954E+09	1,182479E+09	1,149580E+09
-29	1,069606E+09	9,639973E+08	8,865224E+08	8,865148E+08	9,639890E+08	1,069598E+09	1,149564E+09	1,182458E+09	1,184940E+09	1,184945E+09	1,182467E+09	1,149565E+09
-28	1,069589E+09	9,639775E+08	8,865088E+08	8,865170E+08	9,639979E+08	1,069604E+09	1,149567E+09	1,182455E+09	1,184928E+09	1,184934E+09	1,182466E+09	1,149583E+09
-27	1,069631E+09	9,640203E+08	8,865282E+08	8,865291E+08	9,640175E+08	1,069626E+09	1,149587E+09	1,182475E+09	1,184943E+09	1,184937E+09	1,182456E+09	1,149559E+09
-26	1,069588E+09	9,639718E+08	8,864773E+08	8,864685E+08	9,639640E+08	1,069592E+09	1,149569E+09	1,182469E+09	1,184943E+09	1,184933E+09	1,182448E+09	1,149552E+09
-25	1,069584E+09	9,639805E+08	8,865111E+08	8,865123E+08	9,639949E+08	1,069609E+09	1,149578E+09	1,182469E+09	1,184941E+09	1,184936E+09	1,182458E+09	1,149574E+09
-24	1,069616E+09	9,639957E+08	8,865071E+08	8,865069E+08	9,639886E+08	1,069601E+09	1,149576E+09	1,182477E+09	1,184957E+09	1,184955E+09	1,182467E+09	1,149552E+09
-23	1,069569E+09	9,639500E+08	8,864656E+08	8,864735E+08	9,639671E+08	1,069583E+09	1,149559E+09	1,182465E+09	1,184946E+09	1,184947E+09	1,182470E+09	1,149569E+09
-22	1,069599E+09	9,639966E+08	8,865207E+08	8,865244E+08	9,640170E+08	1,069628E+09	1,149582E+09	1,182463E+09	1,184936E+09	1,184941E+09	1,182475E+09	1,149589E+09
-21	1,069617E+09	9,639963E+08	8,865083E+08	8,864974E+08	9,639777E+08	1,069597E+09	1,149573E+09	1,182470E+09	1,184946E+09	1,184942E+09	1,182458E+09	1,149561E+09
-20	1,069593E+09	9,639829E+08	8,865105E+08	8,865138E+08	9,639875E+08	1,069591E+09	1,149562E+09	1,182464E+09	1,184945E+09	1,184944E+09	1,182462E+09	1,149572E+09
-19	1,069631E+09	9,640451E+08	8,865706E+08	8,865691E+08	9,640382E+08	1,069624E+09	1,149577E+09	1,182472E+09	1,184955E+09	1,184954E+09	1,182469E+09	1,149566E+09
-18	1,069601E+09	9,640083E+08	8,865409E+08	8,865375E+08	9,640096E+08	1,069605E+09	1,149560E+09	1,182460E+09	1,184948E+09	1,184949E+09	1,182461E+09	1,149557E+09
-17	1,069593E+09	9,640103E+08	8,865677E+08	8,865797E+08	9,640463E+08	1,069632E+09	1,149578E+09	1,182462E+09	1,184941E+09	1,184944E+09	1,182468E+09	1,149586E+09
-16	1,069645E+09	9,640527E+08	8,865853E+08	8,865886E+08	9,640532E+08	1,069638E+09	1,149590E+09	1,182479E+09	1,184958E+09	1,184956E+09	1,182470E+09	1,149565E+09
-15	1,069604E+09	9,640142E+08	8,865476E+08	8,865464E+08	9,640136E+08	1,069608E+09	1,149574E+09	1,182481E+09	1,184960E+09	1,184950E+09	1,182459E+09	1,149563E+09
-14	1,069617E+09	9,640466E+08	8,865958E+08	8,865951E+08	9,640542E+08	1,069637E+09	1,149586E+09	1,182478E+09	1,184959E+09	1,184955E+09	1,182469E+09	1,149581E+09
-13	1,069636E+09	9,640517E+08	8,865885E+08	8,865779E+08	9,640259E+08	1,069607E+09	1,149568E+09	1,182474E+09	1,184964E+09	1,184963E+09	1,182467E+09	1,149556E+09

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-12	1,069595E+09	9,640090E+08	8,865526E+08	8,865594E+08	9,640197E+08	1,069599E+09	1,149552E+09	1,182455E+09	1,184948E+09	1,184958E+09	1,182475E+09	1,149573E+09
-11	1,069623E+09	9,640477E+08	8,865888E+08	8,865903E+08	9,640572E+08	1,069639E+09	1,149579E+09	1,182462E+09	1,184942E+09	1,184951E+09	1,182479E+09	1,149585E+09
-10	1,069615E+09	9,640121E+08	8,865420E+08	8,865388E+08	9,640096E+08	1,069610E+09	1,149570E+09	1,182461E+09	1,184937E+09	1,184935E+09	1,182452E+09	1,149558E+09
-9	1,069596E+09	9,639953E+08	8,865319E+08	8,865409E+08	9,640150E+08	1,069615E+09	1,149577E+09	1,182466E+09	1,184938E+09	1,184931E+09	1,182451E+09	1,149570E+09
-8	1,069635E+09	9,640409E+08	8,865553E+08	8,865493E+08	9,640216E+08	1,069620E+09	1,149583E+09	1,182477E+09	1,184954E+09	1,184949E+09	1,182460E+09	1,149553E+09
-7	1,069586E+09	9,639887E+08	8,865103E+08	8,865022E+08	9,639762E+08	1,069584E+09	1,149562E+09	1,182473E+09	1,184954E+09	1,184945E+09	1,182454E+09	1,149548E+09
-6	1,069579E+09	9,639873E+08	8,865312E+08	8,865414E+08	9,640177E+08	1,069617E+09	1,149573E+09	1,182464E+09	1,184945E+09	1,184948E+09	1,182470E+09	1,149579E+09
-5	1,069618E+09	9,640089E+08	8,865330E+08	8,865336E+08	9,640050E+08	1,069605E+09	1,149569E+09	1,182463E+09	1,184945E+09	1,184951E+09	1,182470E+09	1,149563E+09
-4	1,069587E+09	9,639746E+08	8,864947E+08	8,865025E+08	9,639864E+08	1,069592E+09	1,149557E+09	1,182454E+09	1,184936E+09	1,184943E+09	1,182467E+09	1,149569E+09
-3	1,069613E+09	9,640259E+08	8,865541E+08	8,865497E+08	9,640256E+08	1,069627E+09	1,149582E+09	1,182467E+09	1,184942E+09	1,184942E+09	1,182469E+09	1,149584E+09
-2	1,069626E+09	9,640254E+08	8,865503E+08	8,865400E+08	9,640030E+08	1,069600E+09	1,149564E+09	1,182464E+09	1,184946E+09	1,184940E+09	1,182448E+09	1,149548E+09
-1	1,069593E+09	9,640045E+08	8,865503E+08	8,865607E+08	9,640220E+08	1,069604E+09	1,149560E+09	1,182460E+09	1,184946E+09	1,184944E+09	1,182455E+09	1,149563E+09
1	1,069631E+09	9,640606E+08	8,866003E+08	8,866022E+08	9,640629E+08	1,069636E+09	1,149577E+09	1,182466E+09	1,184953E+09	1,184959E+09	1,182475E+09	1,149569E+09
2	1,069606E+09	9,640248E+08	8,865712E+08	8,865717E+08	9,640302E+08	1,069615E+09	1,149572E+09	1,182471E+09	1,184952E+09	1,184946E+09	1,182457E+09	1,149556E+09
3	1,069599E+09	9,640244E+08	8,865872E+08	8,866032E+08	9,640640E+08	1,069642E+09	1,149588E+09	1,182475E+09	1,184954E+09	1,184950E+09	1,182466E+09	1,149582E+09
4	1,069648E+09	9,640763E+08	8,866181E+08	8,866124E+08	9,640603E+08	1,069633E+09	1,149583E+09	1,182478E+09	1,184962E+09	1,184960E+09	1,182468E+09	1,149564E+09
5	1,069613E+09	9,640404E+08	8,865846E+08	8,865790E+08	9,640270E+08	1,069603E+09	1,149562E+09	1,182469E+09	1,184963E+09	1,184963E+09	1,182465E+09	1,149559E+09
6	1,069617E+09	9,640649E+08	8,866273E+08	8,866255E+08	9,640678E+08	1,069632E+09	1,149574E+09	1,182471E+09	1,184963E+09	1,184966E+09	1,182479E+09	1,149586E+09
7	1,069640E+09	9,640659E+08	8,866143E+08	8,866130E+08	9,640560E+08	1,069617E+09	1,149556E+09	1,182455E+09	1,184951E+09	1,184957E+09	1,182465E+09	1,149558E+09
8	1,069602E+09	9,640234E+08	8,865744E+08	8,865879E+08	9,640464E+08	1,069617E+09	1,149560E+09	1,182451E+09	1,184938E+09	1,184942E+09	1,182461E+09	1,149572E+09
9	1,069635E+09	9,640675E+08	8,866098E+08	8,866072E+08	9,640660E+08	1,069643E+09	1,149584E+09	1,182465E+09	1,184941E+09	1,184943E+09	1,182469E+09	1,149580E+09
10	1,069623E+09	9,640361E+08	8,865738E+08	8,865649E+08	9,640161E+08	1,069607E+09	1,149576E+09	1,182476E+09	1,184947E+09	1,184932E+09	1,182437E+09	1,149541E+09
11	1,069590E+09	9,640086E+08	8,865575E+08	8,865691E+08	9,640308E+08	1,069617E+09	1,149576E+09	1,182474E+09	1,184954E+09	1,184946E+09	1,182452E+09	1,149557E+09
12	1,069622E+09	9,640519E+08	8,865856E+08	8,865812E+08	9,640395E+08	1,069618E+09	1,149569E+09	1,182465E+09	1,184954E+09	1,184958E+09	1,182470E+09	1,149556E+09
13	1,069587E+09	9,639996E+08	8,865338E+08	8,865325E+08	9,640013E+08	1,069596E+09	1,149557E+09	1,182457E+09	1,184948E+09	1,184955E+09	1,182466E+09	1,149556E+09
14	1,069587E+09	9,640015E+08	8,865519E+08	8,865622E+08	9,640309E+08	1,069623E+09	1,149577E+09	1,182466E+09	1,184947E+09	1,184951E+09	1,182477E+09	1,149592E+09
15	1,069636E+09	9,640324E+08	8,865577E+08	8,865605E+08	9,640252E+08	1,069611E+09	1,149565E+09	1,182459E+09	1,184941E+09	1,184941E+09	1,182459E+09	1,149561E+09
16	1,069601E+09	9,640041E+08	8,865293E+08	8,865346E+08	9,640069E+08	1,069600E+09	1,149561E+09	1,182458E+09	1,184938E+09	1,184935E+09	1,182451E+09	1,149560E+09
17	1,069621E+09	9,640543E+08	8,865941E+08	8,865841E+08	9,640394E+08	1,069623E+09	1,149574E+09	1,182465E+09	1,184946E+09	1,184947E+09	1,182468E+09	1,149577E+09
18	1,069626E+09	9,640466E+08	8,865917E+08	8,865850E+08	9,640269E+08	1,069602E+09	1,149562E+09	1,182466E+09	1,184950E+09	1,184943E+09	1,182445E+09	1,149539E+09
19	1,069587E+09	9,640144E+08	8,865757E+08	8,865963E+08	9,640540E+08	1,069623E+09	1,149565E+09	1,182460E+09	1,184951E+09	1,184952E+09	1,182460E+09	1,149561E+09
20	1,069628E+09	9,640752E+08	8,866284E+08	8,866299E+08	9,640815E+08	1,069645E+09	1,149577E+09	1,182461E+09	1,184947E+09	1,184955E+09	1,182474E+09	1,149574E+09
21	1,069620E+09	9,640489E+08	8,866002E+08	8,865984E+08	9,640467E+08	1,069621E+09	1,149572E+09	1,182470E+09	1,184956E+09	1,184951E+09	1,182454E+09	1,149553E+09
22	1,069609E+09	9,640513E+08	8,866192E+08	8,866258E+08	9,640686E+08	1,069635E+09	1,149584E+09	1,182482E+09	1,184968E+09	1,184960E+09	1,182467E+09	1,149580E+09
23	1,069655E+09	9,641002E+08	8,866537E+08	8,866500E+08	9,640816E+08	1,069629E+09	1,149566E+09	1,182468E+09	1,184963E+09	1,184963E+09	1,182465E+09	1,149558E+09
24	1,069615E+09	9,640605E+08	8,866201E+08	8,866197E+08	9,640579E+08	1,069614E+09	1,149555E+09	1,182459E+09	1,184956E+09	1,184958E+09	1,182462E+09	1,149560E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
25	1,069622E+09	9,640803E+08	8,866546E+08	8,866541E+08	9,640878E+08	1,069639E+09	1,149570E+09	1,182460E+09	1,184954E+09	1,184963E+09	1,182482E+09	1,149592E+09
26	1,069648E+09	9,640823E+08	8,866417E+08	8,866430E+08	9,640748E+08	1,069627E+09	1,149568E+09	1,182463E+09	1,184948E+09	1,184946E+09	1,182452E+09	1,149552E+09
27	1,069606E+09	9,640374E+08	8,865927E+08	8,866089E+08	9,640655E+08	1,069631E+09	1,149572E+09	1,182465E+09	1,184950E+09	1,184945E+09	1,182452E+09	1,149558E+09
28	1,069629E+09	9,640846E+08	8,866374E+08	8,866273E+08	9,640739E+08	1,069642E+09	1,149581E+09	1,182468E+09	1,184948E+09	1,184947E+09	1,182465E+09	1,149573E+09
29	1,069623E+09	9,640535E+08	8,866036E+08	8,865939E+08	9,640315E+08	1,069605E+09	1,149567E+09	1,182472E+09	1,184958E+09	1,184950E+09	1,182445E+09	1,149537E+09
30	1,069586E+09	9,640176E+08	8,865782E+08	8,865910E+08	9,640428E+08	1,069613E+09	1,149567E+09	1,182471E+09	1,184963E+09	1,184962E+09	1,182468E+09	1,149568E+09
31	1,069626E+09	9,640597E+08	8,866030E+08	8,866082E+08	9,640643E+08	1,069626E+09	1,149559E+09	1,182449E+09	1,184943E+09	1,184955E+09	1,182474E+09	1,149568E+09
32	1,069602E+09	9,640191E+08	8,865575E+08	8,865571E+08	9,640214E+08	1,069608E+09	1,149560E+09	1,182452E+09	1,184935E+09	1,184937E+09	1,182456E+09	1,149562E+09
33	1,069605E+09	9,640294E+08	8,865809E+08	8,865815E+08	9,640363E+08	1,069618E+09	1,149572E+09	1,182464E+09	1,184943E+09	1,184942E+09	1,182466E+09	1,149589E+09
34	1,069649E+09	9,640654E+08	8,866011E+08	8,865957E+08	9,640375E+08	1,069607E+09	1,149565E+09	1,182465E+09	1,184944E+09	1,184935E+09	1,182440E+09	1,149542E+09
35	1,069599E+09	9,640259E+08	8,865675E+08	8,865754E+08	9,640337E+08	1,069606E+09	1,149558E+09	1,182460E+09	1,184950E+09	1,184944E+09	1,182445E+09	1,149541E+09
36	1,069607E+09	9,640696E+08	8,866321E+08	8,866248E+08	9,640677E+08	1,069630E+09	1,149566E+09	1,182455E+09	1,184944E+09	1,184950E+09	1,182469E+09	1,149575E+09
37	1,069625E+09	9,640605E+08	8,866229E+08	8,866231E+08	9,640593E+08	1,069619E+09	1,149563E+09	1,182460E+09	1,184951E+09	1,184951E+09	1,182450E+09	1,149541E+09
38	1,069590E+09	9,640277E+08	8,865985E+08	8,866193E+08	9,640703E+08	1,069633E+09	1,149575E+09	1,182471E+09	1,184962E+09	1,184960E+09	1,182466E+09	1,149570E+09
39	1,069640E+09	9,640939E+08	8,866531E+08	8,866577E+08	9,641027E+08	1,069650E+09	1,149575E+09	1,182462E+09	1,184952E+09	1,184956E+09	1,182469E+09	1,149574E+09
40	1,069633E+09	9,640781E+08	8,866365E+08	8,866287E+08	9,640634E+08	1,069624E+09	1,149571E+09	1,182473E+09	1,184962E+09	1,184952E+09	1,182449E+09	1,149552E+09
41	1,069618E+09	9,640778E+08	8,866581E+08	8,866581E+08	9,640794E+08	1,069624E+09	1,149567E+09	1,182475E+09	1,184973E+09	1,184971E+09	1,182474E+09	1,149583E+09
42	1,069661E+09	9,641216E+08	8,866923E+08	8,866905E+08	9,641043E+08	1,069630E+09	1,149559E+09	1,182460E+09	1,184959E+09	1,184962E+09	1,182463E+09	1,149556E+09
43	1,069616E+09	9,640721E+08	8,866448E+08	8,866522E+08	9,640887E+08	1,069632E+09	1,149559E+09	1,182454E+09	1,184952E+09	1,184956E+09	1,182460E+09	1,149556E+09
44	1,069623E+09	9,640964E+08	8,866807E+08	8,866780E+08	9,641048E+08	1,069649E+09	1,149572E+09	1,182455E+09	1,184942E+09	1,184949E+09	1,182471E+09	1,149591E+09
45	1,069659E+09	9,641036E+08	8,866679E+08	8,866662E+08	9,640907E+08	1,069634E+09	1,149570E+09	1,182465E+09	1,184953E+09	1,184946E+09	1,182442E+09	1,149540E+09
46	1,069607E+09	9,640562E+08	8,866194E+08	8,866274E+08	9,640713E+08	1,069628E+09	1,149572E+09	1,182476E+09	1,184968E+09	1,184957E+09	1,182453E+09	1,149553E+09
47	1,069627E+09	9,640947E+08	8,866622E+08	8,866577E+08	9,640942E+08	1,069639E+09	1,149567E+09	1,182460E+09	1,184952E+09	1,184954E+09	1,182464E+09	1,149567E+09
48	1,069622E+09	9,640647E+08	8,866279E+08	8,866228E+08	9,640558E+08	1,069615E+09	1,149563E+09	1,182465E+09	1,184956E+09	1,184949E+09	1,182449E+09	1,149544E+09
49	1,069592E+09	9,640294E+08	8,865997E+08	8,866115E+08	9,640548E+08	1,069614E+09	1,149561E+09	1,182463E+09	1,184958E+09	1,184962E+09	1,182475E+09	1,149581E+09
50	1,069642E+09	9,640786E+08	8,866294E+08	8,866317E+08	9,640750E+08	1,069628E+09	1,149565E+09	1,182454E+09	1,184939E+09	1,184944E+09	1,182462E+09	1,149565E+09
51	1,069613E+09	9,640408E+08	8,865846E+08	8,865818E+08	9,640395E+08	1,069617E+09	1,149565E+09	1,182458E+09	1,184942E+09	1,184937E+09	1,182445E+09	1,149547E+09
52	1,069605E+09	9,640567E+08	8,866209E+08	8,866113E+08	9,640485E+08	1,069615E+09	1,149563E+09	1,182458E+09	1,184944E+09	1,184941E+09	1,182458E+09	1,149579E+09
53	1,069650E+09	9,640883E+08	8,866421E+08	8,866376E+08	9,640642E+08	1,069610E+09	1,149553E+09	1,182458E+09	1,184953E+09	1,184948E+09	1,182441E+09	1,149533E+09
54	1,069593E+09	9,640375E+08	8,865980E+08	8,866095E+08	9,640597E+08	1,069615E+09	1,149554E+09	1,182460E+09	1,184960E+09	1,184958E+09	1,182457E+09	1,149547E+09
55	1,069608E+09	9,640745E+08	8,866532E+08	8,866590E+08	9,641007E+08	1,069645E+09	1,149564E+09	1,182447E+09	1,184938E+09	1,184948E+09	1,182469E+09	1,149580E+09
56	1,069637E+09	9,640801E+08	8,866494E+08	8,866506E+08	9,640826E+08	1,069635E+09	1,149573E+09	1,182465E+09	1,184949E+09	1,184941E+09	1,182445E+09	1,149548E+09
57	1,069607E+09	9,640551E+08	8,866307E+08	8,866405E+08	9,640752E+08	1,069627E+09	1,149571E+09	1,182475E+09	1,184969E+09	1,184962E+09	1,182464E+09	1,149572E+09
58	1,069655E+09	9,641252E+08	8,866964E+08	8,866914E+08	9,641124E+08	1,069645E+09	1,149572E+09	1,182465E+09	1,184959E+09	1,184958E+09	1,182460E+09	1,149564E+09
59	1,069636E+09	9,641013E+08	8,866762E+08	8,866698E+08	9,640902E+08	1,069629E+09	1,149562E+09	1,182467E+09	1,184968E+09	1,184962E+09	1,182450E+09	1,149540E+09
60	1,069613E+09	9,640967E+08	8,866951E+08	8,866955E+08	9,641056E+08	1,069630E+09	1,149555E+09	1,182457E+09	1,184963E+09	1,184969E+09	1,182476E+09	1,149586E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
61	1,069668E+09	9,641389E+08	8,867231E+08	8,867260E+08	9,641348E+08	1,069646E+09	1,149558E+09	1,182452E+09	1,184956E+09	1,184962E+09	1,182461E+09	1,149556E+09
62	1,069622E+09	9,640862E+08	8,866663E+08	8,866724E+08	9,641038E+08	1,069642E+09	1,149569E+09	1,182465E+09	1,184960E+09	1,184957E+09	1,182457E+09	1,149556E+09
63	1,069629E+09	9,641079E+08	8,867003E+08	8,867015E+08	9,641234E+08	1,069655E+09	1,149574E+09	1,182459E+09	1,184947E+09	1,184946E+09	1,182458E+09	1,149581E+09
64	1,069664E+09	9,641246E+08	8,866983E+08	8,866911E+08	9,641035E+08	1,069638E+09	1,149572E+09	1,182471E+09	1,184960E+09	1,184947E+09	1,182437E+09	1,149535E+09
65	1,069606E+09	9,640699E+08	8,866471E+08	8,866498E+08	9,640761E+08	1,069616E+09	1,149558E+09	1,182472E+09	1,184976E+09	1,184971E+09	1,182463E+09	1,149557E+09
66	1,069630E+09	9,641057E+08	8,866875E+08	8,866844E+08	9,641098E+08	1,069642E+09	1,149562E+09	1,182451E+09	1,184949E+09	1,184957E+09	1,182467E+09	1,149570E+09
67	1,069627E+09	9,640745E+08	8,866469E+08	8,866457E+08	9,640768E+08	1,069627E+09	1,149562E+09	1,182458E+09	1,184952E+09	1,184949E+09	1,182448E+09	1,149543E+09
68	1,069600E+09	9,640500E+08	8,866260E+08	8,866319E+08	9,640648E+08	1,069614E+09	1,149554E+09	1,182453E+09	1,184947E+09	1,184949E+09	1,182465E+09	1,149582E+09
69	1,069658E+09	9,641073E+08	8,866643E+08	8,866606E+08	9,640905E+08	1,069628E+09	1,149556E+09	1,182450E+09	1,184944E+09	1,184944E+09	1,182448E+09	1,149552E+09
70	1,069615E+09	9,640638E+08	8,866217E+08	8,866123E+08	9,640537E+08	1,069616E+09	1,149561E+09	1,182463E+09	1,184954E+09	1,184946E+09	1,182441E+09	1,149538E+09
71	1,069601E+09	9,640675E+08	8,866537E+08	8,866548E+08	9,640815E+08	1,069623E+09	1,149553E+09	1,182448E+09	1,184943E+09	1,184944E+09	1,182453E+09	1,149569E+09
72	1,069647E+09	9,641023E+08	8,866737E+08	8,866757E+08	9,640990E+08	1,069632E+09	1,149558E+09	1,182454E+09	1,184948E+09	1,184946E+09	1,182443E+09	1,149537E+09
73	1,069596E+09	9,640494E+08	8,866242E+08	8,866356E+08	9,640774E+08	1,069624E+09	1,149558E+09	1,182462E+09	1,184963E+09	1,184964E+09	1,182464E+09	1,149558E+09
74	1,069624E+09	9,640932E+08	8,866801E+08	8,866840E+08	9,641154E+08	1,069655E+09	1,149576E+09	1,182458E+09	1,184945E+09	1,184947E+09	1,182461E+09	1,149578E+09
75	1,069649E+09	9,641038E+08	8,866795E+08	8,866770E+08	9,640996E+08	1,069643E+09	1,149578E+09	1,182475E+09	1,184965E+09	1,184952E+09	1,182441E+09	1,149538E+09
76	1,069613E+09	9,640863E+08	8,866736E+08	8,866727E+08	9,640850E+08	1,069618E+09	1,149556E+09	1,182468E+09	1,184972E+09	1,184968E+09	1,182465E+09	1,149571E+09
77	1,069663E+09	9,641515E+08	8,867394E+08	8,867338E+08	9,641358E+08	1,069641E+09	1,149552E+09	1,182453E+09	1,184965E+09	1,184970E+09	1,182464E+09	1,149561E+09
78	1,069637E+09	9,641173E+08	8,867093E+08	8,867055E+08	9,641161E+08	1,069638E+09	1,149556E+09	1,182459E+09	1,184968E+09	1,184969E+09	1,182458E+09	1,149548E+09
79	1,069620E+09	9,641069E+08	8,867190E+08	8,867297E+08	9,641360E+08	1,069645E+09	1,149552E+09	1,182443E+09	1,184947E+09	1,184956E+09	1,182465E+09	1,149584E+09
80	1,069679E+09	9,641602E+08	8,867494E+08	8,867506E+08	9,641554E+08	1,069663E+09	1,149569E+09	1,182456E+09	1,184949E+09	1,184946E+09	1,182447E+09	1,149552E+09
81	1,069630E+09	9,641081E+08	8,866956E+08	8,866925E+08	9,641083E+08	1,069639E+09	1,149567E+09	1,182472E+09	1,184971E+09	1,184960E+09	1,182450E+09	1,149550E+09
82	1,069634E+09	9,641262E+08	8,867314E+08	8,867281E+08	9,641316E+08	1,069653E+09	1,149574E+09	1,182464E+09	1,184958E+09	1,184952E+09	1,182450E+09	1,149565E+09
83	1,069657E+09	9,641345E+08	8,867250E+08	8,867224E+08	9,641253E+08	1,069644E+09	1,149567E+09	1,182470E+09	1,184970E+09	1,184962E+09	1,182443E+09	1,149525E+09
84	1,069600E+09	9,640815E+08	8,866724E+08	8,866754E+08	9,640916E+08	1,069618E+09	1,149546E+09	1,182455E+09	1,184967E+09	1,184973E+09	1,182471E+09	1,149565E+09
85	1,069640E+09	9,641201E+08	8,867104E+08	8,867097E+08	9,641277E+08	1,069648E+09	1,149555E+09	1,182444E+09	1,184949E+09	1,184958E+09	1,182467E+09	1,149573E+09
86	1,069638E+09	9,640910E+08	8,866679E+08	8,866645E+08	9,640888E+08	1,069633E+09	1,149565E+09	1,182463E+09	1,184956E+09	1,184951E+09	1,182447E+09	1,149545E+09
87	1,069611E+09	9,640668E+08	8,866512E+08	8,866599E+08	9,640836E+08	1,069619E+09	1,149549E+09	1,182448E+09	1,184945E+09	1,184943E+09	1,182451E+09	1,149570E+09
88	1,069664E+09	9,641326E+08	8,867013E+08	8,866940E+08	9,641104E+08	1,069637E+09	1,149557E+09	1,182451E+09	1,184944E+09	1,184941E+09	1,182443E+09	1,149545E+09
89	1,069614E+09	9,640796E+08	8,866559E+08	8,866468E+08	9,640710E+08	1,069615E+09	1,149551E+09	1,182460E+09	1,184961E+09	1,184957E+09	1,182449E+09	1,149540E+09
90	1,069604E+09	9,640774E+08	8,866803E+08	8,866871E+08	9,641063E+08	1,069639E+09	1,149559E+09	1,182446E+09	1,184942E+09	1,184946E+09	1,182453E+09	1,149567E+09
91	1,069651E+09	9,641139E+08	8,866969E+08	8,867035E+08	9,641238E+08	1,069652E+09	1,149570E+09	1,182458E+09	1,184951E+09	1,184949E+09	1,182443E+09	1,149534E+09
92	1,069606E+09	9,640740E+08	8,866536E+08	8,866576E+08	9,640855E+08	1,069624E+09	1,149556E+09	1,182461E+09	1,184962E+09	1,184960E+09	1,182459E+09	1,149561E+09
93	1,069642E+09	9,641265E+08	8,867193E+08	8,867149E+08	9,641275E+08	1,069650E+09	1,149564E+09	1,182459E+09	1,184960E+09	1,184956E+09	1,182455E+09	1,149569E+09
94	1,069656E+09	9,641318E+08	8,867205E+08	8,867121E+08	9,641135E+08	1,069636E+09	1,149565E+09	1,182473E+09	1,184976E+09	1,184966E+09	1,182446E+09	1,149534E+09
95	1,069615E+09	9,641022E+08	8,867104E+08	8,867199E+08	9,641177E+08	1,069622E+09	1,149539E+09	1,182449E+09	1,184964E+09	1,184968E+09	1,182463E+09	1,149567E+09
96	1,069667E+09	9,641719E+08	8,867763E+08	8,867751E+08	9,641695E+08	1,069661E+09	1,149554E+09	1,182443E+09	1,184950E+09	1,184960E+09	1,182464E+09	1,149565E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
97	1,069642E+09	9,641323E+08	8,867384E+08	8,867354E+08	9,641342E+08	1,069647E+09	1,149560E+09	1,182459E+09	1,184966E+09	1,184965E+09	1,182456E+09	1,149551E+09
98	1,069632E+09	9,641251E+08	8,867444E+08	8,867545E+08	9,641532E+08	1,069660E+09	1,149567E+09	1,182453E+09	1,184951E+09	1,184950E+09	1,182450E+09	1,149570E+09
99	1,069682E+09	9,641800E+08	8,867771E+08	8,867753E+08	9,641716E+08	1,069673E+09	1,149577E+09	1,182468E+09	1,184965E+09	1,184955E+09	1,182439E+09	1,149534E+09
100	1,069627E+09	9,641288E+08	8,867280E+08	8,867188E+08	9,641147E+08	1,069630E+09	1,149556E+09	1,182469E+09	1,184978E+09	1,184970E+09	1,182455E+09	1,149548E+09
101	1,069636E+09	9,641406E+08	8,867593E+08	8,867603E+08	9,641498E+08	1,069649E+09	1,149555E+09	1,182456E+09	1,184968E+09	1,184968E+09	1,182460E+09	1,149565E+09
102	1,069656E+09	9,641413E+08	8,867426E+08	8,867454E+08	9,641425E+08	1,069649E+09	1,149561E+09	1,182461E+09	1,184970E+09	1,184972E+09	1,182457E+09	1,149539E+09
103	1,069610E+09	9,640888E+08	8,866883E+08	8,867006E+08	9,641117E+08	1,069626E+09	1,149541E+09	1,182441E+09	1,184949E+09	1,184959E+09	1,182464E+09	1,149569E+09
104	1,069657E+09	9,641458E+08	8,867369E+08	8,867313E+08	9,641405E+08	1,069657E+09	1,149560E+09	1,182443E+09	1,184936E+09	1,184941E+09	1,182455E+09	1,149571E+09
105	1,069648E+09	9,641172E+08	8,867017E+08	8,866894E+08	9,640941E+08	1,069627E+09	1,149560E+09	1,182464E+09	1,184961E+09	1,184950E+09	1,182439E+09	1,149538E+09
106	1,069617E+09	9,640894E+08	8,866869E+08	8,866932E+08	9,641011E+08	1,069625E+09	1,149550E+09	1,182448E+09	1,184948E+09	1,184944E+09	1,182439E+09	1,149549E+09
107	1,069655E+09	9,641451E+08	8,867320E+08	8,867320E+08	9,641412E+08	1,069653E+09	1,149560E+09	1,182452E+09	1,184952E+09	1,184951E+09	1,182443E+09	1,149533E+09
108	1,069608E+09	9,640933E+08	8,866835E+08	8,866783E+08	9,640923E+08	1,069624E+09	1,149550E+09	1,182454E+09	1,184959E+09	1,184959E+09	1,182455E+09	1,149547E+09
109	1,069613E+09	9,640926E+08	8,867035E+08	8,867145E+08	9,641247E+08	1,069646E+09	1,149559E+09	1,182452E+09	1,184953E+09	1,184952E+09	1,182453E+09	1,149567E+09
110	1,069659E+09	9,641318E+08	8,867204E+08	8,867253E+08	9,641356E+08	1,069656E+09	1,149574E+09	1,182469E+09	1,184966E+09	1,184960E+09	1,182448E+09	1,149538E+09
111	1,069617E+09	9,640962E+08	8,866868E+08	8,866909E+08	9,641007E+08	1,069621E+09	1,149545E+09	1,182453E+09	1,184962E+09	1,184961E+09	1,182453E+09	1,149554E+09
112	1,069651E+09	9,641579E+08	8,867627E+08	8,867533E+08	9,641451E+08	1,069649E+09	1,149555E+09	1,182451E+09	1,184956E+09	1,184957E+09	1,182459E+09	1,149569E+09
113	1,069659E+09	9,641534E+08	8,867608E+08	8,867538E+08	9,641362E+08	1,069635E+09	1,149549E+09	1,182460E+09	1,184975E+09	1,184973E+09	1,182454E+09	1,149541E+09
114	1,069624E+09	9,641203E+08	8,867417E+08	8,867559E+08	9,641475E+08	1,069642E+09	1,149542E+09	1,182438E+09	1,184952E+09	1,184960E+09	1,182455E+09	1,149562E+09
115	1,069672E+09	9,641888E+08	8,868035E+08	8,868068E+08	9,641971E+08	1,069683E+09	1,149568E+09	1,182448E+09	1,184948E+09	1,184952E+09	1,182452E+09	1,149555E+09
116	1,069649E+09	9,641575E+08	8,867688E+08	8,867611E+08	9,641456E+08	1,069649E+09	1,149562E+09	1,182462E+09	1,184965E+09	1,184958E+09	1,182445E+09	1,149545E+09
117	1,069641E+09	9,641498E+08	8,867768E+08	8,867834E+08	9,641653E+08	1,069657E+09	1,149561E+09	1,182461E+09	1,184971E+09	1,184960E+09	1,182443E+09	1,149554E+09
118	1,069676E+09	9,641945E+08	8,868059E+08	8,868045E+08	9,641857E+08	1,069672E+09	1,149571E+09	1,182470E+09	1,184979E+09	1,184974E+09	1,182450E+09	1,149532E+09
119	1,069623E+09	9,641344E+08	8,867515E+08	8,867533E+08	9,641388E+08	1,069633E+09	1,149542E+09	1,182453E+09	1,184971E+09	1,184974E+09	1,182460E+09	1,149550E+09
120	1,069641E+09	9,641558E+08	8,867828E+08	8,867859E+08	9,641696E+08	1,069661E+09	1,149556E+09	1,182447E+09	1,184955E+09	1,184961E+09	1,182467E+09	1,149578E+09
121	1,069667E+09	9,641565E+08	8,867633E+08	8,867653E+08	9,641514E+08	1,069649E+09	1,149560E+09	1,182460E+09	1,184968E+09	1,184968E+09	1,182457E+09	1,149548E+09
122	1,069628E+09	9,641114E+08	8,867111E+08	8,867197E+08	9,641245E+08	1,069637E+09	1,149549E+09	1,182444E+09	1,184948E+09	1,184949E+09	1,182447E+09	1,149556E+09
123	1,069662E+09	9,641700E+08	8,867690E+08	8,867590E+08	9,641558E+08	1,069664E+09	1,149566E+09	1,182450E+09	1,184945E+09	1,184943E+09	1,182443E+09	1,149552E+09
124	1,069645E+09	9,641398E+08	8,867373E+08	8,867224E+08	9,641062E+08	1,069621E+09	1,149550E+09	1,182459E+09	1,184964E+09	1,184955E+09	1,182439E+09	1,149532E+09
125	1,069616E+09	9,641044E+08	8,867167E+08	8,867305E+08	9,641267E+08	1,069628E+09	1,149538E+09	1,182445E+09	1,184961E+09	1,184957E+09	1,182444E+09	1,149544E+09
126	1,069648E+09	9,641514E+08	8,867515E+08	8,867584E+08	9,641633E+08	1,069665E+09	1,149562E+09	1,182450E+09	1,184955E+09	1,184960E+09	1,182454E+09	1,149541E+09
127	1,069614E+09	9,641013E+08	8,867021E+08	8,867057E+08	9,641117E+08	1,069631E+09	1,149549E+09	1,182448E+09	1,184951E+09	1,184952E+09	1,182450E+09	1,149549E+09
128	1,069629E+09	9,641218E+08	8,867344E+08	8,867395E+08	9,641367E+08	1,069649E+09	1,149561E+09	1,182453E+09	1,184949E+09	1,184946E+09	1,182451E+09	1,149569E+09
129	1,069669E+09	9,641604E+08	8,867587E+08	8,867552E+08	9,641420E+08	1,069645E+09	1,149561E+09	1,182467E+09	1,184974E+09	1,184967E+09	1,182449E+09	1,149538E+09
130	1,069627E+09	9,641241E+08	8,867283E+08	8,867309E+08	9,641245E+08	1,069628E+09	1,149539E+09	1,182444E+09	1,184960E+09	1,184962E+09	1,182447E+09	1,149543E+09
131	1,069650E+09	9,641791E+08	8,868023E+08	8,867987E+08	9,641802E+08	1,069666E+09	1,149554E+09	1,182443E+09	1,184953E+09	1,184959E+09	1,182457E+09	1,149561E+09
132	1,069660E+09	9,641739E+08	8,867950E+08	8,867920E+08	9,641627E+08	1,069647E+09	1,149549E+09	1,182451E+09	1,184965E+09	1,184967E+09	1,182452E+09	1,149545E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	1,069636E+09	9,641414E+08	8,867709E+08	8,867895E+08	9,641726E+08	1,069653E+09	1,149547E+09	1,182448E+09	1,184963E+09	1,184959E+09	1,182446E+09	1,149554E+09
134	1,069674E+09	9,642054E+08	8,868277E+08	8,868305E+08	9,642133E+08	1,069693E+09	1,149578E+09	1,182463E+09	1,184965E+09	1,184962E+09	1,182451E+09	1,149550E+09
135	1,069652E+09	9,641730E+08	8,867978E+08	8,867920E+08	9,641604E+08	1,069649E+09	1,149559E+09	1,182464E+09	1,184973E+09	1,184964E+09	1,182442E+09	1,149538E+09
136	1,069643E+09	9,641714E+08	8,868095E+08	8,868140E+08	9,641798E+08	1,069655E+09	1,149555E+09	1,182459E+09	1,184973E+09	1,184969E+09	1,182455E+09	1,149558E+09
137	1,069674E+09	9,642054E+08	8,868317E+08	8,868327E+08	9,642005E+08	1,069668E+09	1,149557E+09	1,182460E+09	1,184982E+09	1,184986E+09	1,182466E+09	1,149548E+09
138	1,069635E+09	9,641496E+08	8,867720E+08	8,867750E+08	9,641587E+08	1,069648E+09	1,149543E+09	1,182440E+09	1,184958E+09	1,184966E+09	1,182456E+09	1,149552E+09
139	1,069651E+09	9,641752E+08	8,868060E+08	8,868076E+08	9,641857E+08	1,069671E+09	1,149563E+09	1,182448E+09	1,184950E+09	1,184952E+09	1,182454E+09	1,149572E+09
140	1,069680E+09	9,641855E+08	8,867939E+08	8,867883E+08	9,641585E+08	1,069645E+09	1,149554E+09	1,182457E+09	1,184964E+09	1,184958E+09	1,182443E+09	1,149542E+09
141	1,069638E+09	9,641394E+08	8,867465E+08	8,867512E+08	9,641377E+08	1,069629E+09	1,149539E+09	1,182448E+09	1,184962E+09	1,184952E+09	1,182434E+09	1,149535E+09
142	1,069650E+09	9,641810E+08	8,867981E+08	8,867924E+08	9,641774E+08	1,069668E+09	1,149563E+09	1,182452E+09	1,184956E+09	1,184956E+09	1,182448E+09	1,149545E+09
143	1,069635E+09	9,641427E+08	8,867622E+08	8,867603E+08	9,641359E+08	1,069631E+09	1,149543E+09	1,182447E+09	1,184957E+09	1,184955E+09	1,182440E+09	1,149531E+09
144	1,069616E+09	9,641161E+08	8,867379E+08	8,867555E+08	9,641481E+08	1,069643E+09	1,149546E+09	1,182443E+09	1,184952E+09	1,184955E+09	1,182452E+09	1,149554E+09
145	1,069654E+09	9,641630E+08	8,867708E+08	8,867784E+08	9,641746E+08	1,069668E+09	1,149564E+09	1,182455E+09	1,184961E+09	1,184965E+09	1,182459E+09	1,149552E+09
146	1,069633E+09	9,641267E+08	8,867275E+08	8,867253E+08	9,641254E+08	1,069640E+09	1,149552E+09	1,182449E+09	1,184954E+09	1,184950E+09	1,182440E+09	1,149541E+09
147	1,069637E+09	9,641514E+08	8,867738E+08	8,867717E+08	9,641514E+08	1,069649E+09	1,149559E+09	1,182456E+09	1,184958E+09	1,184952E+09	1,182444E+09	1,149559E+09
148	1,069674E+09	9,641895E+08	8,868017E+08	8,867960E+08	9,641598E+08	1,069636E+09	1,149544E+09	1,182455E+09	1,184972E+09	1,184971E+09	1,182452E+09	1,149540E+09
149	1,069634E+09	9,641469E+08	8,867668E+08	8,867751E+08	9,641557E+08	1,069632E+09	1,149527E+09	1,182437E+09	1,184963E+09	1,184964E+09	1,182446E+09	1,149539E+09
150	1,069649E+09	9,641917E+08	8,868296E+08	8,868324E+08	9,642093E+08	1,069684E+09	1,149562E+09	1,182442E+09	1,184951E+09	1,184959E+09	1,182458E+09	1,149565E+09
151	1,069667E+09	9,641884E+08	8,868222E+08	8,868250E+08	9,641866E+08	1,069658E+09	1,149554E+09	1,182450E+09	1,184958E+09	1,184954E+09	1,182438E+09	1,149539E+09
152	1,069647E+09	9,641709E+08	8,868048E+08	8,868161E+08	9,641876E+08	1,069659E+09	1,149554E+09	1,182455E+09	1,184966E+09	1,184958E+09	1,182442E+09	1,149547E+09
153	1,069674E+09	9,642258E+08	8,868624E+08	8,868598E+08	9,642226E+08	1,069685E+09	1,149570E+09	1,182467E+09	1,184981E+09	1,184976E+09	1,182455E+09	1,149549E+09
154	1,069656E+09	9,641918E+08	8,868287E+08	8,868234E+08	9,641829E+08	1,069656E+09	1,149552E+09	1,182458E+09	1,184977E+09	1,184971E+09	1,182443E+09	1,149532E+09
155	1,069641E+09	9,641866E+08	8,868396E+08	8,868468E+08	9,642048E+08	1,069665E+09	1,149553E+09	1,182454E+09	1,184973E+09	1,184974E+09	1,182458E+09	1,149560E+09
156	1,069681E+09	9,642223E+08	8,868564E+08	8,868571E+08	9,642141E+08	1,069669E+09	1,149551E+09	1,182450E+09	1,184972E+09	1,184980E+09	1,182467E+09	1,149558E+09
157	1,069652E+09	9,641718E+08	8,867984E+08	8,868006E+08	9,641749E+08	1,069649E+09	1,149541E+09	1,182445E+09	1,184964E+09	1,184961E+09	1,182445E+09	1,149545E+09
158	1,069656E+09	9,641943E+08	8,868313E+08	8,868289E+08	9,641989E+08	1,069676E+09	1,149564E+09	1,182452E+09	1,184956E+09	1,184954E+09	1,182447E+09	1,149563E+09
159	1,069678E+09	9,641996E+08	8,868244E+08	8,868200E+08	9,641748E+08	1,069643E+09	1,149545E+09	1,182452E+09	1,184963E+09	1,184955E+09	1,182433E+09	1,149529E+09
160	1,069635E+09	9,641569E+08	8,867786E+08	8,867844E+08	9,641600E+08	1,069634E+09	1,149533E+09	1,182443E+09	1,184960E+09	1,184958E+09	1,182442E+09	1,149534E+09
161	1,069641E+09	9,641834E+08	8,868185E+08	8,868196E+08	9,641977E+08	1,069673E+09	1,149556E+09	1,182446E+09	1,184959E+09	1,184965E+09	1,182459E+09	1,149556E+09
162	1,069643E+09	9,641528E+08	8,867777E+08	8,867783E+08	9,641581E+08	1,069652E+09	1,149552E+09	1,182444E+09	1,184950E+09	1,184949E+09	1,182436E+09	1,149532E+09
163	1,069626E+09	9,641359E+08	8,867623E+08	8,867751E+08	9,641611E+08	1,069651E+09	1,149555E+09	1,182451E+09	1,184955E+09	1,184950E+09	1,182441E+09	1,149551E+09
164	1,069669E+09	9,641925E+08	8,868033E+08	8,868005E+08	9,641784E+08	1,069658E+09	1,149555E+09	1,182454E+09	1,184964E+09	1,184963E+09	1,182451E+09	1,149551E+09
165	1,069647E+09	9,641592E+08	8,867710E+08	8,867628E+08	9,641414E+08	1,069630E+09	1,149537E+09	1,182450E+09	1,184967E+09	1,184957E+09	1,182433E+09	1,149527E+09
166	1,069633E+09	9,641706E+08	8,868122E+08	8,868129E+08	9,641793E+08	1,069654E+09	1,149550E+09	1,182450E+09	1,184963E+09	1,184962E+09	1,182450E+09	1,149556E+09
167	1,069671E+09	9,642014E+08	8,868370E+08	8,868410E+08	9,641947E+08	1,069650E+09	1,149538E+09	1,182441E+09	1,184960E+09	1,184965E+09	1,182448E+09	1,149540E+09
168	1,069641E+09	9,641679E+08	8,868003E+08	8,868105E+08	9,641846E+08	1,069651E+09	1,149537E+09	1,182437E+09	1,184955E+09	1,184960E+09	1,182448E+09	1,149542E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
169	1,069653E+09	9,642058E+08	8,868561E+08	8,868601E+08	9,642276E+08	1,069692E+09	1,149569E+09	1,182454E+09	1,184962E+09	1,184963E+09	1,182456E+09	1,149567E+09
170	1,069680E+09	9,642137E+08	8,868515E+08	8,868482E+08	9,642056E+08	1,069673E+09	1,149562E+09	1,182458E+09	1,184968E+09	1,184957E+09	1,182429E+09	1,149527E+09
171	1,069648E+09	9,641955E+08	8,868426E+08	8,868466E+08	9,642022E+08	1,069661E+09	1,149555E+09	1,182463E+09	1,184981E+09	1,184972E+09	1,182441E+09	1,149540E+09
172	1,069677E+09	9,642452E+08	8,868968E+08	8,868936E+08	9,642384E+08	1,069677E+09	1,149551E+09	1,182457E+09	1,184985E+09	1,184987E+09	1,182466E+09	1,149558E+09
173	1,069666E+09	9,642101E+08	8,868590E+08	8,868571E+08	9,642053E+08	1,069655E+09	1,149537E+09	1,182449E+09	1,184979E+09	1,184976E+09	1,182446E+09	1,149535E+09
174	1,069646E+09	9,641974E+08	8,868601E+08	8,868705E+08	9,642240E+08	1,069675E+09	1,149553E+09	1,182448E+09	1,184967E+09	1,184972E+09	1,182459E+09	1,149567E+09
175	1,069692E+09	9,642380E+08	8,868823E+08	8,868831E+08	9,642294E+08	1,069672E+09	1,149547E+09	1,182442E+09	1,184959E+09	1,184962E+09	1,182450E+09	1,149552E+09
176	1,069663E+09	9,641999E+08	8,868324E+08	8,868253E+08	9,641867E+08	1,069651E+09	1,149540E+09	1,182443E+09	1,184959E+09	1,184955E+09	1,182436E+09	1,149533E+09
177	1,069651E+09	9,642087E+08	8,868621E+08	8,868579E+08	9,642122E+08	1,069673E+09	1,149557E+09	1,182453E+09	1,184966E+09	1,184961E+09	1,182445E+09	1,149556E+09
178	1,069678E+09	9,642126E+08	8,868496E+08	8,868484E+08	9,642030E+08	1,069660E+09	1,149544E+09	1,182445E+09	1,184962E+09	1,184957E+09	1,182429E+09	1,149518E+09
179	1,069629E+09	9,641658E+08	8,868032E+08	8,868114E+08	9,641845E+08	1,069651E+09	1,149541E+09	1,182445E+09	1,184963E+09	1,184961E+09	1,182441E+09	1,149535E+09
180	1,069647E+09	9,641927E+08	8,868366E+08	8,868392E+08	9,642102E+08	1,069676E+09	1,149556E+09	1,182446E+09	1,184959E+09	1,184964E+09	1,182460E+09	1,149566E+09
181	1,069660E+09	9,641735E+08	8,868016E+08	8,867994E+08	9,641692E+08	1,069649E+09	1,149551E+09	1,182456E+09	1,184965E+09	1,184952E+09	1,182429E+09	1,149527E+09
182	1,069633E+09	9,641567E+08	8,867912E+08	8,867975E+08	9,641709E+08	1,069650E+09	1,149552E+09	1,182456E+09	1,184967E+09	1,184961E+09	1,182442E+09	1,149548E+09
183	1,069672E+09	9,642134E+08	8,868435E+08	8,868370E+08	9,641928E+08	1,069650E+09	1,149539E+09	1,182444E+09	1,184963E+09	1,184964E+09	1,182448E+09	1,149545E+09
184	1,069651E+09	9,641847E+08	8,868143E+08	8,868057E+08	9,641691E+08	1,069634E+09	1,149526E+09	1,182435E+09	1,184961E+09	1,184963E+09	1,182442E+09	1,149528E+09
185	1,069632E+09	9,641831E+08	8,868436E+08	8,868502E+08	9,642085E+08	1,069665E+09	1,149543E+09	1,182439E+09	1,184960E+09	1,184966E+09	1,182455E+09	1,149565E+09
186	1,069685E+09	9,642200E+08	8,868623E+08	8,868691E+08	9,642267E+08	1,069676E+09	1,149547E+09	1,182437E+09	1,184952E+09	1,184954E+09	1,182437E+09	1,149535E+09
187	1,069650E+09	9,641936E+08	8,868356E+08	8,868405E+08	9,642052E+08	1,069664E+09	1,149550E+09	1,182450E+09	1,184964E+09	1,184956E+09	1,182432E+09	1,149534E+09
188	1,069663E+09	9,642307E+08	8,868911E+08	8,868881E+08	9,642369E+08	1,069686E+09	1,149562E+09	1,182458E+09	1,184973E+09	1,184969E+09	1,182450E+09	1,149561E+09
189	1,069688E+09	9,642396E+08	8,868926E+08	8,868863E+08	9,642229E+08	1,069666E+09	1,149552E+09	1,182464E+09	1,184986E+09	1,184971E+09	1,182429E+09	1,149516E+09
190	1,069642E+09	9,642089E+08	8,868753E+08	8,868826E+08	9,642265E+08	1,069666E+09	1,149545E+09	1,182456E+09	1,184986E+09	1,184985E+09	1,182453E+09	1,149544E+09
191	1,069675E+09	9,642538E+08	8,869248E+08	8,869262E+08	9,642610E+08	1,069684E+09	1,149543E+09	1,182440E+09	1,184971E+09	1,184981E+09	1,182466E+09	1,149564E+09
192	1,069679E+09	9,642307E+08	8,868877E+08	8,868851E+08	9,642264E+08	1,069666E+09	1,149539E+09	1,182441E+09	1,184967E+09	1,184970E+09	1,182447E+09	1,149539E+09
193	1,069655E+09	9,642137E+08	8,868831E+08	8,868921E+08	9,642367E+08	1,069677E+09	1,149551E+09	1,182450E+09	1,184971E+09	1,184970E+09	1,182452E+09	1,149566E+09
194	1,069706E+09	9,642624E+08	8,869080E+08	8,869030E+08	9,642466E+08	1,069684E+09	1,149550E+09	1,182443E+09	1,184960E+09	1,184957E+09	1,182434E+09	1,149534E+09
195	1,069661E+09	9,642207E+08	8,868692E+08	8,868568E+08	9,642027E+08	1,069655E+09	1,149541E+09	1,182449E+09	1,184969E+09	1,184959E+09	1,182427E+09	1,149521E+09
196	1,069648E+09	9,642167E+08	8,868874E+08	8,868873E+08	9,642294E+08	1,069672E+09	1,149545E+09	1,182446E+09	1,184969E+09	1,184969E+09	1,182450E+09	1,149557E+09
197	1,069680E+09	9,642226E+08	8,868719E+08	8,868753E+08	9,642231E+08	1,069666E+09	1,149542E+09	1,182446E+09	1,184967E+09	1,184962E+09	1,182430E+09	1,149517E+09
198	1,069630E+09	9,641730E+08	8,868189E+08	8,868283E+08	9,641979E+08	1,069661E+09	1,149546E+09	1,182448E+09	1,184965E+09	1,184965E+09	1,182444E+09	1,149540E+09
199	1,069656E+09	9,642085E+08	8,868609E+08	8,868587E+08	9,642168E+08	1,069673E+09	1,149550E+09	1,182443E+09	1,184956E+09	1,184957E+09	1,182450E+09	1,149563E+09
200	1,069675E+09	9,642044E+08	8,868394E+08	8,868277E+08	9,641795E+08	1,069645E+09	1,149541E+09	1,182449E+09	1,184965E+09	1,184957E+09	1,182429E+09	1,149521E+09
201	1,069634E+09	9,641757E+08	8,868285E+08	8,868345E+08	9,641886E+08	1,069645E+09	1,149537E+09	1,182449E+09	1,184974E+09	1,184972E+09	1,182446E+09	1,149548E+09
202	1,069679E+09	9,642339E+08	8,868771E+08	8,868749E+08	9,642280E+08	1,069669E+09	1,149534E+09	1,182430E+09	1,184955E+09	1,184962E+09	1,182445E+09	1,149539E+09
203	1,069652E+09	9,642027E+08	8,868510E+08	8,868445E+08	9,642004E+08	1,069656E+09	1,149535E+09	1,182435E+09	1,184958E+09	1,184958E+09	1,182435E+09	1,149528E+09
204	1,069642E+09	9,641985E+08	8,868712E+08	8,868808E+08	9,642306E+08	1,069677E+09	1,149548E+09	1,182442E+09	1,184961E+09	1,184963E+09	1,182449E+09	1,149566E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
205	1,069700E+09	9,642461E+08	8,868949E+08	8,868986E+08	9,642443E+08	1,069681E+09	1,149553E+09	1,182453E+09	1,184968E+09	1,184957E+09	1,182425E+09	1,149522E+09
206	1,069651E+09	9,642131E+08	8,868679E+08	8,868679E+08	9,642185E+08	1,069668E+09	1,149553E+09	1,182460E+09	1,184982E+09	1,184971E+09	1,182435E+09	1,149528E+09
207	1,069662E+09	9,642468E+08	8,869281E+08	8,869245E+08	9,642521E+08	1,069680E+09	1,149548E+09	1,182451E+09	1,184977E+09	1,184976E+09	1,182453E+09	1,149559E+09
208	1,069692E+09	9,642598E+08	8,869287E+08	8,869241E+08	9,642465E+08	1,069668E+09	1,149537E+09	1,182447E+09	1,184982E+09	1,184983E+09	1,182445E+09	1,149523E+09
209	1,069646E+09	9,642198E+08	8,869001E+08	8,869120E+08	9,642476E+08	1,069673E+09	1,149537E+09	1,182443E+09	1,184980E+09	1,184988E+09	1,182461E+09	1,149558E+09
210	1,069696E+09	9,642762E+08	8,869469E+08	8,869473E+08	9,642824E+08	1,069701E+09	1,149546E+09	1,182432E+09	1,184956E+09	1,184965E+09	1,182452E+09	1,149559E+09
211	1,069692E+09	9,642597E+08	8,869233E+08	8,869123E+08	9,642404E+08	1,069673E+09	1,149545E+09	1,182447E+09	1,184967E+09	1,184957E+09	1,182425E+09	1,149527E+09
212	1,069665E+09	9,642377E+08	8,869169E+08	8,869203E+08	9,642467E+08	1,069672E+09	1,149543E+09	1,182449E+09	1,184975E+09	1,184969E+09	1,182440E+09	1,149552E+09
213	1,069707E+09	9,642832E+08	8,869434E+08	8,869387E+08	9,642652E+08	1,069683E+09	1,149544E+09	1,182449E+09	1,184972E+09	1,184965E+09	1,182428E+09	1,149517E+09
214	1,069648E+09	9,642252E+08	8,868930E+08	8,868883E+08	9,642274E+08	1,069667E+09	1,149542E+09	1,182449E+09	1,184976E+09	1,184972E+09	1,182437E+09	1,149521E+09
215	1,069640E+09	9,642170E+08	8,869056E+08	8,869121E+08	9,642467E+08	1,069680E+09	1,149545E+09	1,182440E+09	1,184963E+09	1,184968E+09	1,182452E+09	1,149561E+09
216	1,069689E+09	9,642364E+08	8,868928E+08	8,868968E+08	9,642372E+08	1,069674E+09	1,149545E+09	1,182444E+09	1,184967E+09	1,184968E+09	1,182438E+09	1,149523E+09
217	1,069640E+09	9,641887E+08	8,868391E+08	8,868460E+08	9,642053E+08	1,069660E+09	1,149543E+09	1,182449E+09	1,184974E+09	1,184973E+09	1,182447E+09	1,149544E+09
218	1,069673E+09	9,642359E+08	8,868880E+08	8,868797E+08	9,642302E+08	1,069678E+09	1,149545E+09	1,182438E+09	1,184957E+09	1,184958E+09	1,182443E+09	1,149553E+09
219	1,069680E+09	9,642319E+08	8,868829E+08	8,868679E+08	9,642001E+08	1,069646E+09	1,149534E+09	1,182445E+09	1,184968E+09	1,184960E+09	1,182425E+09	1,149518E+09
220	1,069640E+09	9,641923E+08	8,868614E+08	8,868731E+08	9,642134E+08	1,069647E+09	1,149522E+09	1,182433E+09	1,184967E+09	1,184972E+09	1,182448E+09	1,149550E+09
221	1,069687E+09	9,642525E+08	8,869082E+08	8,869107E+08	9,642549E+08	1,069683E+09	1,149538E+09	1,182430E+09	1,184951E+09	1,184957E+09	1,182438E+09	1,149534E+09
222	1,069655E+09	9,642177E+08	8,868779E+08	8,868742E+08	9,642223E+08	1,069673E+09	1,149547E+09	1,182443E+09	1,184960E+09	1,184956E+09	1,182429E+09	1,149523E+09
223	1,069646E+09	9,642170E+08	8,869016E+08	8,869074E+08	9,642418E+08	1,069678E+09	1,149549E+09	1,182446E+09	1,184964E+09	1,184958E+09	1,182436E+09	1,149554E+09
224	1,069706E+09	9,642743E+08	8,869356E+08	8,869333E+08	9,642598E+08	1,069681E+09	1,149547E+09	1,182450E+09	1,184977E+09	1,184972E+09	1,182430E+09	1,149514E+09
225	1,069650E+09	9,642301E+08	8,869029E+08	8,869049E+08	9,642372E+08	1,069665E+09	1,149539E+09	1,182455E+09	1,184992E+09	1,184988E+09	1,182446E+09	1,149532E+09
226	1,069670E+09	9,642663E+08	8,869558E+08	8,869571E+08	9,642815E+08	1,069694E+09	1,149542E+09	1,182437E+09	1,184970E+09	1,184977E+09	1,182456E+09	1,149560E+09
227	1,069699E+09	9,642813E+08	8,869636E+08	8,869600E+08	9,642715E+08	1,069681E+09	1,149541E+09	1,182444E+09	1,184976E+09	1,184976E+09	1,182440E+09	1,149530E+09
228	1,069663E+09	9,642394E+08	8,869265E+08	8,869397E+08	9,642640E+08	1,069676E+09	1,149535E+09	1,182440E+09	1,184976E+09	1,184981E+09	1,182454E+09	1,149558E+09
229	1,069711E+09	9,643050E+08	8,869800E+08	8,869750E+08	9,642957E+08	1,069704E+09	1,149551E+09	1,182443E+09	1,184964E+09	1,184962E+09	1,182437E+09	1,149543E+09
230	1,069689E+09	9,642786E+08	8,869560E+08	8,869425E+08	9,642549E+08	1,069678E+09	1,149549E+09	1,182454E+09	1,184979E+09	1,184967E+09	1,182423E+09	1,149514E+09
231	1,069655E+09	9,642482E+08	8,869477E+08	8,869537E+08	9,642633E+08	1,069670E+09	1,149533E+09	1,182444E+09	1,184978E+09	1,184975E+09	1,182440E+09	1,149544E+09
232	1,069702E+09	9,642937E+08	8,869694E+08	8,869713E+08	9,642900E+08	1,069691E+09	1,149536E+09	1,182435E+09	1,184971E+09	1,184979E+09	1,182443E+09	1,149521E+09
233	1,069646E+09	9,642274E+08	8,869053E+08	8,869084E+08	9,642437E+08	1,069676E+09	1,149542E+09	1,182445E+09	1,184976E+09	1,184979E+09	1,182448E+09	1,149536E+09
234	1,069659E+09	9,642340E+08	8,869169E+08	8,869241E+08	9,642601E+08	1,069691E+09	1,149550E+09	1,182438E+09	1,184956E+09	1,184959E+09	1,182445E+09	1,149561E+09
235	1,069702E+09	9,642641E+08	8,869235E+08	8,869182E+08	9,642429E+08	1,069672E+09	1,149546E+09	1,182449E+09	1,184970E+09	1,184961E+09	1,182426E+09	1,149519E+09
236	1,069652E+09	9,642140E+08	8,868728E+08	8,868751E+08	9,642140E+08	1,069650E+09	1,149527E+09	1,182441E+09	1,184975E+09	1,184974E+09	1,182442E+09	1,149538E+09
237	1,069680E+09	9,642632E+08	8,869284E+08	8,869193E+08	9,642496E+08	1,069675E+09	1,149535E+09	1,182433E+09	1,184957E+09	1,184959E+09	1,182437E+09	1,149539E+09
238	1,069672E+09	9,642437E+08	8,869139E+08	8,869067E+08	9,642302E+08	1,069662E+09	1,149535E+09	1,182439E+09	1,184965E+09	1,184962E+09	1,182427E+09	1,149514E+09
239	1,069636E+09	9,642026E+08	8,868891E+08	8,869064E+08	9,642379E+08	1,069661E+09	1,149526E+09	1,182429E+09	1,184959E+09	1,184963E+09	1,182440E+09	1,149546E+09
240	1,069694E+09	9,642720E+08	8,869369E+08	8,869414E+08	9,642767E+08	1,069695E+09	1,149544E+09	1,182432E+09	1,184955E+09	1,184962E+09	1,182437E+09	1,149529E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	1,069660E+09	9,642354E+08	8,869038E+08	8,868995E+08	9,642354E+08	1,069676E+09	1,149551E+09	1,182454E+09	1,184977E+09	1,184968E+09	1,182431E+09	1,149523E+09
242	1,069657E+09	9,642430E+08	8,869310E+08	8,869342E+08	9,642579E+08	1,069682E+09	1,149546E+09	1,182446E+09	1,184972E+09	1,184966E+09	1,182435E+09	1,149545E+09
243	1,069706E+09	9,642987E+08	8,869781E+08	8,869749E+08	9,642807E+08	1,069681E+09	1,149539E+09	1,182448E+09	1,184984E+09	1,184980E+09	1,182435E+09	1,149518E+09
244	1,069658E+09	9,642476E+08	8,869349E+08	8,869422E+08	9,642613E+08	1,069666E+09	1,149522E+09	1,182437E+09	1,184986E+09	1,184993E+09	1,182455E+09	1,149543E+09
245	1,069686E+09	9,642912E+08	8,869883E+08	8,869898E+08	9,643017E+08	1,069702E+09	1,149543E+09	1,182434E+09	1,184963E+09	1,184970E+09	1,182450E+09	1,149559E+09
246	1,069708E+09	9,643030E+08	8,869937E+08	8,869906E+08	9,642918E+08	1,069693E+09	1,149548E+09	1,182447E+09	1,184974E+09	1,184969E+09	1,182431E+09	1,149525E+09
247	1,069668E+09	9,642643E+08	8,869621E+08	8,869694E+08	9,642767E+08	1,069676E+09	1,149532E+09	1,182439E+09	1,184974E+09	1,184971E+09	1,182437E+09	1,149543E+09
248	1,069712E+09	9,643294E+08	8,870196E+08	8,870122E+08	9,643151E+08	1,069706E+09	1,149545E+09	1,182438E+09	1,184971E+09	1,184974E+09	1,182437E+09	1,149530E+09
249	1,069680E+09	9,642875E+08	8,869830E+08	8,869769E+08	9,642781E+08	1,069683E+09	1,149544E+09	1,182452E+09	1,184988E+09	1,184981E+09	1,182433E+09	1,149515E+09
250	1,069655E+09	9,642567E+08	8,869613E+08	8,869764E+08	9,642902E+08	1,069688E+09	1,149536E+09	1,182437E+09	1,184974E+09	1,184976E+09	1,182443E+09	1,149545E+09
251	1,069703E+09	9,643056E+08	8,869913E+08	8,869959E+08	9,643085E+08	1,069704E+09	1,149546E+09	1,182440E+09	1,184971E+09	1,184974E+09	1,182442E+09	1,149532E+09
252	1,069663E+09	9,642429E+08	8,869217E+08	8,869244E+08	9,642508E+08	1,069672E+09	1,149538E+09	1,182444E+09	1,184977E+09	1,184977E+09	1,182446E+09	1,149540E+09
253	1,069676E+09	9,642625E+08	8,869450E+08	8,869425E+08	9,642619E+08	1,069685E+09	1,149549E+09	1,182445E+09	1,184963E+09	1,184959E+09	1,182435E+09	1,149550E+09
254	1,069703E+09	9,642861E+08	8,869577E+08	8,869488E+08	9,642549E+08	1,069669E+09	1,149540E+09	1,182449E+09	1,184976E+09	1,184968E+09	1,182425E+09	1,149511E+09
255	1,069646E+09	9,642305E+08	8,869080E+08	8,869114E+08	9,642325E+08	1,069645E+09	1,149511E+09	1,182427E+09	1,184968E+09	1,184972E+09	1,182439E+09	1,149532E+09
256	1,069678E+09	9,642787E+08	8,869605E+08	8,869580E+08	9,642800E+08	1,069688E+09	1,149528E+09	1,182415E+09	1,184950E+09	1,184965E+09	1,182443E+09	1,149540E+09
257	1,069673E+09	9,642533E+08	8,869348E+08	8,869349E+08	9,642542E+08	1,069677E+09	1,149542E+09	1,182438E+09	1,184963E+09	1,184961E+09	1,182428E+09	1,149520E+09
258	1,069650E+09	9,642237E+08	8,869079E+08	8,869270E+08	9,642581E+08	1,069675E+09	1,149535E+09	1,182435E+09	1,184959E+09	1,184955E+09	1,182427E+09	1,149537E+09
259	1,069699E+09	9,642994E+08	8,869746E+08	8,869732E+08	9,642912E+08	1,069697E+09	1,149548E+09	1,182443E+09	1,184967E+09	1,184960E+09	1,182426E+09	1,149524E+09
260	1,069667E+09	9,642581E+08	8,869398E+08	8,869347E+08	9,642501E+08	1,069668E+09	1,149537E+09	1,182450E+09	1,184987E+09	1,184981E+09	1,182435E+09	1,149521E+09
261	1,069663E+09	9,642689E+08	8,869711E+08	8,869736E+08	9,642781E+08	1,069681E+09	1,149540E+09	1,182445E+09	1,184976E+09	1,184975E+09	1,182441E+09	1,149542E+09
262	1,069703E+09	9,643137E+08	8,870111E+08	8,870134E+08	9,643093E+08	1,069695E+09	1,149539E+09	1,182442E+09	1,184982E+09	1,184985E+09	1,182443E+09	1,149524E+09
263	1,069662E+09	9,642661E+08	8,869673E+08	8,869753E+08	9,642834E+08	1,069675E+09	1,149522E+09	1,182430E+09	1,184975E+09	1,184983E+09	1,182449E+09	1,149545E+09
264	1,069700E+09	9,643180E+08	8,870224E+08	8,870231E+08	9,643246E+08	1,069711E+09	1,149542E+09	1,182429E+09	1,184963E+09	1,184972E+09	1,182445E+09	1,149554E+09
265	1,069715E+09	9,643238E+08	8,870226E+08	8,870184E+08	9,643087E+08	1,069699E+09	1,149551E+09	1,182454E+09	1,184985E+09	1,184975E+09	1,182428E+09	1,149520E+09
266	1,069675E+09	9,642874E+08	8,869906E+08	8,869989E+08	9,642978E+08	1,069681E+09	1,149531E+09	1,182441E+09	1,184980E+09	1,184975E+09	1,182432E+09	1,149531E+09
267	1,069705E+09	9,643443E+08	8,870536E+08	8,870490E+08	9,643378E+08	1,069710E+09	1,149541E+09	1,182439E+09	1,184976E+09	1,184976E+09	1,182439E+09	1,149533E+09
268	1,069682E+09	9,642940E+08	8,870018E+08	8,870024E+08	9,642980E+08	1,069688E+09	1,149536E+09	1,182443E+09	1,184986E+09	1,184987E+09	1,182441E+09	1,149526E+09
269	1,069668E+09	9,642746E+08	8,869815E+08	8,869930E+08	9,642983E+08	1,069693E+09	1,149543E+09	1,182440E+09	1,184969E+09	1,184970E+09	1,182439E+09	1,149544E+09
270	1,069709E+09	9,643215E+08	8,870116E+08	8,870121E+08	9,643158E+08	1,069705E+09	1,149549E+09	1,182445E+09	1,184974E+09	1,184970E+09	1,182435E+09	1,149527E+09
271	1,069668E+09	9,642676E+08	8,869542E+08	8,869465E+08	9,642554E+08	1,069663E+09	1,149525E+09	1,182438E+09	1,184975E+09	1,184971E+09	1,182432E+09	1,149529E+09
272	1,069680E+09	9,642884E+08	8,869847E+08	8,869792E+08	9,642793E+08	1,069678E+09	1,149530E+09	1,182430E+09	1,184965E+09	1,184969E+09	1,182435E+09	1,149540E+09
273	1,069697E+09	9,642975E+08	8,869867E+08	8,869850E+08	9,642818E+08	1,069675E+09	1,149532E+09	1,182440E+09	1,184976E+09	1,184974E+09	1,182431E+09	1,149513E+09
274	1,069650E+09	9,642433E+08	8,869293E+08	8,869421E+08	9,642650E+08	1,069665E+09	1,149515E+09	1,182420E+09	1,184959E+09	1,184965E+09	1,182434E+09	1,149528E+09
275	1,069677E+09	9,642921E+08	8,869889E+08	8,869903E+08	9,643052E+08	1,069705E+09	1,149541E+09	1,182425E+09	1,184950E+09	1,184954E+09	1,182434E+09	1,149543E+09
276	1,069684E+09	9,642699E+08	8,869573E+08	8,869585E+08	9,642711E+08	1,069683E+09	1,149544E+09	1,182445E+09	1,184972E+09	1,184965E+09	1,182424E+09	1,149519E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
277	1,069663E+09	9,642530E+08	8,869412E+08	8,869499E+08	9,642653E+08	1,069675E+09	1,149542E+09	1,182448E+09	1,184973E+09	1,184963E+09	1,182423E+09	1,149526E+09
278	1,069696E+09	9,643182E+08	8,870110E+08	8,870082E+08	9,643088E+08	1,069697E+09	1,149545E+09	1,182448E+09	1,184981E+09	1,184976E+09	1,182434E+09	1,149522E+09
279	1,069665E+09	9,642773E+08	8,869779E+08	8,869736E+08	9,642723E+08	1,069664E+09	1,149518E+09	1,182436E+09	1,184984E+09	1,184986E+09	1,182441E+09	1,149526E+09
280	1,069671E+09	9,642897E+08	8,870069E+08	8,870135E+08	9,643077E+08	1,069689E+09	1,149527E+09	1,182425E+09	1,184970E+09	1,184983E+09	1,182450E+09	1,149552E+09
281	1,069714E+09	9,643317E+08	8,870383E+08	8,870431E+08	9,643323E+08	1,069707E+09	1,149543E+09	1,182440E+09	1,184977E+09	1,184980E+09	1,182442E+09	1,149532E+09
282	1,069683E+09	9,642950E+08	8,869952E+08	8,870010E+08	9,643039E+08	1,069685E+09	1,149526E+09	1,182431E+09	1,184971E+09	1,184968E+09	1,182430E+09	1,149532E+09
283	1,069705E+09	9,643480E+08	8,870659E+08	8,870602E+08	9,643435E+08	1,069715E+09	1,149544E+09	1,182437E+09	1,184970E+09	1,184965E+09	1,182429E+09	1,149544E+09
284	1,069718E+09	9,643442E+08	8,870579E+08	8,870543E+08	9,643290E+08	1,069696E+09	1,149539E+09	1,182450E+09	1,184992E+09	1,184983E+09	1,182426E+09	1,149512E+09
285	1,069675E+09	9,643052E+08	8,870221E+08	8,870296E+08	9,643172E+08	1,069688E+09	1,149532E+09	1,182442E+09	1,184984E+09	1,184981E+09	1,182433E+09	1,149524E+09
286	1,069696E+09	9,643476E+08	8,870753E+08	8,870772E+08	9,643618E+08	1,069725E+09	1,149548E+09	1,182440E+09	1,184979E+09	1,184982E+09	1,182444E+09	1,149536E+09
287	1,069684E+09	9,643049E+08	8,870223E+08	8,870214E+08	9,643087E+08	1,069689E+09	1,149534E+09	1,182441E+09	1,184983E+09	1,184981E+09	1,182437E+09	1,149529E+09
288	1,069681E+09	9,642955E+08	8,870071E+08	8,870138E+08	9,643086E+08	1,069691E+09	1,149534E+09	1,182436E+09	1,184976E+09	1,184978E+09	1,182438E+09	1,149543E+09
289	1,069716E+09	9,643404E+08	8,870372E+08	8,870316E+08	9,643228E+08	1,069701E+09	1,149543E+09	1,182445E+09	1,184982E+09	1,184979E+09	1,182436E+09	1,149526E+09
290	1,069676E+09	9,642887E+08	8,869833E+08	8,869757E+08	9,642743E+08	1,069662E+09	1,149514E+09	1,182429E+09	1,184973E+09	1,184970E+09	1,182426E+09	1,149520E+09
291	1,069676E+09	9,643039E+08	8,870203E+08	8,870193E+08	9,643085E+08	1,069686E+09	1,149522E+09	1,182421E+09	1,184960E+09	1,184963E+09	1,182433E+09	1,149545E+09
292	1,069702E+09	9,643061E+08	8,870078E+08	8,870142E+08	9,643090E+08	1,069687E+09	1,149528E+09	1,182429E+09	1,184969E+09	1,184972E+09	1,182431E+09	1,149519E+09
293	1,069662E+09	9,642633E+08	8,869542E+08	8,869628E+08	9,642794E+08	1,069678E+09	1,149531E+09	1,182429E+09	1,184958E+09	1,184957E+09	1,182424E+09	1,149522E+09
294	1,069679E+09	9,643068E+08	8,870150E+08	8,870138E+08	9,643197E+08	1,069713E+09	1,149551E+09	1,182439E+09	1,184962E+09	1,184956E+09	1,182426E+09	1,149533E+09
295	1,069685E+09	9,642937E+08	8,869935E+08	8,869857E+08	9,642804E+08	1,069676E+09	1,149536E+09	1,182446E+09	1,184981E+09	1,184970E+09	1,182419E+09	1,149511E+09
296	1,069666E+09	9,642779E+08	8,869833E+08	8,869892E+08	9,642859E+08	1,069671E+09	1,149523E+09	1,182437E+09	1,184984E+09	1,184983E+09	1,182432E+09	1,149524E+09
297	1,069696E+09	9,643317E+08	8,870410E+08	8,870427E+08	9,643346E+08	1,069704E+09	1,149537E+09	1,182440E+09	1,184984E+09	1,184988E+09	1,182447E+09	1,149533E+09
298	1,069679E+09	9,642968E+08	8,870066E+08	8,870083E+08	9,643031E+08	1,069679E+09	1,149518E+09	1,182426E+09	1,184974E+09	1,184978E+09	1,182438E+09	1,149529E+09
299	1,069683E+09	9,643146E+08	8,870441E+08	8,870507E+08	9,643332E+08	1,069700E+09	1,149531E+09	1,182427E+09	1,184965E+09	1,184968E+09	1,182438E+09	1,149556E+09
300	1,069731E+09	9,643565E+08	8,870694E+08	8,870721E+08	9,643516E+08	1,069711E+09	1,149541E+09	1,182442E+09	1,184981E+09	1,184979E+09	1,182432E+09	1,149527E+09
301	1,069695E+09	9,643280E+08	8,870376E+08	8,870310E+08	9,643151E+08	1,069689E+09	1,149533E+09	1,182440E+09	1,184979E+09	1,184971E+09	1,182419E+09	1,149514E+09
302	1,069695E+09	9,643608E+08	8,871021E+08	8,870982E+08	9,643653E+08	1,069718E+09	1,149543E+09	1,182443E+09	1,184983E+09	1,184977E+09	1,182430E+09	1,149532E+09
303	1,069708E+09	9,643558E+08	8,870885E+08	8,870876E+08	9,643521E+08	1,069699E+09	1,149527E+09	1,182439E+09	1,184992E+09	1,184990E+09	1,182431E+09	1,149514E+09
304	1,069678E+09	9,643175E+08	8,870473E+08	8,870575E+08	9,643394E+08	1,069696E+09	1,149522E+09	1,182429E+09	1,184984E+09	1,184992E+09	1,182441E+09	1,149531E+09
305	1,069704E+09	9,643571E+08	8,870897E+08	8,870922E+08	9,643732E+08	1,069731E+09	1,149551E+09	1,182442E+09	1,184979E+09	1,184981E+09	1,182446E+09	1,149546E+09
306	1,069703E+09	9,643275E+08	8,870442E+08	8,870401E+08	9,643192E+08	1,069688E+09	1,149529E+09	1,182438E+09	1,184980E+09	1,184972E+09	1,182424E+09	1,149521E+09
307	1,069687E+09	9,643213E+08	8,870458E+08	8,870462E+08	9,643217E+08	1,069686E+09	1,149524E+09	1,182433E+09	1,184976E+09	1,184971E+09	1,182428E+09	1,149539E+09
308	1,069721E+09	9,643575E+08	8,870687E+08	8,870648E+08	9,643428E+08	1,069699E+09	1,149527E+09	1,182433E+09	1,184981E+09	1,184983E+09	1,182436E+09	1,149522E+09
309	1,069679E+09	9,643075E+08	8,870156E+08	8,870059E+08	9,642961E+08	1,069676E+09	1,149519E+09	1,182425E+09	1,184967E+09	1,184967E+09	1,182422E+09	1,149512E+09
310	1,069668E+09	9,643079E+08	8,870432E+08	8,870493E+08	9,643362E+08	1,069707E+09	1,149535E+09	1,182427E+09	1,184961E+09	1,184961E+09	1,182428E+09	1,149539E+09
311	1,069704E+09	9,643201E+08	8,870307E+08	8,870362E+08	9,643256E+08	1,069696E+09	1,149532E+09	1,182434E+09	1,184971E+09	1,184967E+09	1,182422E+09	1,149515E+09
312	1,069672E+09	9,642842E+08	8,869826E+08	8,869864E+08	9,642929E+08	1,069681E+09	1,149527E+09	1,182434E+09	1,184976E+09	1,184972E+09	1,182424E+09	1,149517E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
313	1,069683E+09	9,643230E+08	8,870419E+08	8,870363E+08	9,643288E+08	1,069711E+09	1,149550E+09	1,182447E+09	1,184979E+09	1,184974E+09	1,182433E+09	1,149535E+09
314	1,069693E+09	9,643130E+08	8,870253E+08	8,870191E+08	9,642990E+08	1,069672E+09	1,149522E+09	1,182439E+09	1,184985E+09	1,184978E+09	1,182423E+09	1,149509E+09
315	1,069668E+09	9,642975E+08	8,870229E+08	8,870322E+08	9,643146E+08	1,069676E+09	1,149511E+09	1,182423E+09	1,184977E+09	1,184981E+09	1,182438E+09	1,149538E+09
316	1,069711E+09	9,643506E+08	8,870704E+08	8,870745E+08	9,643588E+08	1,069712E+09	1,149528E+09	1,182424E+09	1,184973E+09	1,184984E+09	1,182447E+09	1,149541E+09
317	1,069699E+09	9,643283E+08	8,870430E+08	8,870354E+08	9,643180E+08	1,069690E+09	1,149528E+09	1,182429E+09	1,184967E+09	1,184964E+09	1,182421E+09	1,149519E+09
318	1,069689E+09	9,643390E+08	8,870822E+08	8,870857E+08	9,643549E+08	1,069710E+09	1,149537E+09	1,182435E+09	1,184972E+09	1,184964E+09	1,182420E+09	1,149537E+09
319	1,069731E+09	9,643837E+08	8,871118E+08	8,871082E+08	9,643691E+08	1,069709E+09	1,149532E+09	1,182439E+09	1,184987E+09	1,184980E+09	1,182422E+09	1,149511E+09
320	1,069691E+09	9,643474E+08	8,870785E+08	8,870739E+08	9,643420E+08	1,069692E+09	1,149520E+09	1,182434E+09	1,184992E+09	1,184990E+09	1,182426E+09	1,149508E+09
321	1,069687E+09	9,643641E+08	8,871239E+08	8,871283E+08	9,643908E+08	1,069732E+09	1,149544E+09	1,182441E+09	1,184989E+09	1,184990E+09	1,182443E+09	1,149540E+09
322	1,069715E+09	9,643641E+08	8,871065E+08	8,871130E+08	9,643741E+08	1,069711E+09	1,149530E+09	1,182436E+09	1,184988E+09	1,184988E+09	1,182432E+09	1,149518E+09
323	1,069688E+09	9,643354E+08	8,870733E+08	8,870830E+08	9,643555E+08	1,069703E+09	1,149524E+09	1,182431E+09	1,184982E+09	1,184983E+09	1,182438E+09	1,149541E+09
324	1,069722E+09	9,643789E+08	8,871118E+08	8,871085E+08	9,643798E+08	1,069728E+09	1,149543E+09	1,182440E+09	1,184983E+09	1,184984E+09	1,182442E+09	1,149545E+09
325	1,069718E+09	9,643586E+08	8,870806E+08	8,870634E+08	9,643235E+08	1,069686E+09	1,149530E+09	1,182439E+09	1,184982E+09	1,184972E+09	1,182416E+09	1,149508E+09
326	1,069682E+09	9,643347E+08	8,870793E+08	8,870833E+08	9,643441E+08	1,069689E+09	1,149518E+09	1,182429E+09	1,184979E+09	1,184976E+09	1,182425E+09	1,149527E+09
327	1,069715E+09	9,643698E+08	8,870963E+08	8,870961E+08	9,643668E+08	1,069707E+09	1,149517E+09	1,182419E+09	1,184973E+09	1,184981E+09	1,182435E+09	1,149521E+09
328	1,069683E+09	9,643210E+08	8,870413E+08	8,870346E+08	9,643189E+08	1,069689E+09	1,149518E+09	1,182419E+09	1,184968E+09	1,184971E+09	1,182422E+09	1,149512E+09
329	1,069673E+09	9,643159E+08	8,870567E+08	8,870642E+08	9,643479E+08	1,069718E+09	1,149547E+09	1,182438E+09	1,184969E+09	1,184963E+09	1,182425E+09	1,149538E+09
330	1,069715E+09	9,643398E+08	8,870556E+08	8,870588E+08	9,643364E+08	1,069696E+09	1,149531E+09	1,182439E+09	1,184978E+09	1,184967E+09	1,182412E+09	1,149505E+09
331	1,069676E+09	9,643090E+08	8,870228E+08	8,870221E+08	9,643066E+08	1,069675E+09	1,149516E+09	1,182432E+09	1,184981E+09	1,184976E+09	1,182423E+09	1,149517E+09
332	1,069688E+09	9,643406E+08	8,870730E+08	8,870696E+08	9,643474E+08	1,069708E+09	1,149532E+09	1,182434E+09	1,184982E+09	1,184985E+09	1,182443E+09	1,149539E+09
333	1,069703E+09	9,643374E+08	8,870623E+08	8,870536E+08	9,643212E+08	1,069684E+09	1,149523E+09	1,182429E+09	1,184976E+09	1,184976E+09	1,182424E+09	1,149509E+09
334	1,069671E+09	9,643119E+08	8,870556E+08	8,870703E+08	9,643432E+08	1,069693E+09	1,149516E+09	1,182422E+09	1,184973E+09	1,184976E+09	1,182431E+09	1,149533E+09
335	1,069721E+09	9,643760E+08	8,871039E+08	8,871058E+08	9,643796E+08	1,069721E+09	1,149528E+09	1,182422E+09	1,184970E+09	1,184976E+09	1,182435E+09	1,149535E+09
336	1,069711E+09	9,643585E+08	8,870842E+08	8,870713E+08	9,643387E+08	1,069696E+09	1,149523E+09	1,182430E+09	1,184980E+09	1,184973E+09	1,182413E+09	1,149506E+09
337	1,069688E+09	9,643558E+08	8,871144E+08	8,871176E+08	9,643730E+08	1,069716E+09	1,149540E+09	1,182444E+09	1,184988E+09	1,184978E+09	1,182423E+09	1,149529E+09
338	1,069730E+09	9,643975E+08	8,871439E+08	8,871484E+08	9,643955E+08	1,069713E+09	1,149524E+09	1,182434E+09	1,184991E+09	1,184988E+09	1,182425E+09	1,149508E+09
339	1,069690E+09	9,643598E+08	8,871097E+08	8,871124E+08	9,643701E+08	1,069703E+09	1,149516E+09	1,182426E+09	1,184987E+09	1,184991E+09	1,182436E+09	1,149523E+09
340	1,069700E+09	9,643756E+08	8,871407E+08	8,871485E+08	9,644061E+08	1,069740E+09	1,149544E+09	1,182436E+09	1,184985E+09	1,184992E+09	1,182449E+09	1,149552E+09
341	1,069737E+09	9,643926E+08	8,871336E+08	8,871289E+08	9,643781E+08	1,069716E+09	1,149539E+09	1,182439E+09	1,184985E+09	1,184979E+09	1,182421E+09	1,149512E+09
342	1,069696E+09	9,643592E+08	8,871062E+08	8,871106E+08	9,643670E+08	1,069703E+09	1,149523E+09	1,182434E+09	1,184988E+09	1,184982E+09	1,182424E+09	1,149524E+09
343	1,069726E+09	9,644068E+08	8,871491E+08	8,871394E+08	9,643911E+08	1,069720E+09	1,149526E+09	1,182428E+09	1,184982E+09	1,184985E+09	1,182435E+09	1,149533E+09
344	1,069717E+09	9,643777E+08	8,871173E+08	8,871035E+08	9,643490E+08	1,069689E+09	1,149514E+09	1,182427E+09	1,184986E+09	1,184982E+09	1,182417E+09	1,149501E+09
345	1,069676E+09	9,643387E+08	8,870983E+08	8,871114E+08	9,643698E+08	1,069707E+09	1,149525E+09	1,182429E+09	1,184979E+09	1,184980E+09	1,182430E+09	1,149529E+09
346	1,069718E+09	9,643763E+08	8,871134E+08	8,871219E+08	9,643873E+08	1,069719E+09	1,149524E+09	1,182420E+09	1,184969E+09	1,184974E+09	1,182427E+09	1,149518E+09
347	1,069688E+09	9,643360E+08	8,870651E+08	8,870605E+08	9,643352E+08	1,069698E+09	1,149524E+09	1,182426E+09	1,184970E+09	1,184967E+09	1,182420E+09	1,149516E+09
348	1,069684E+09	9,643337E+08	8,870766E+08	8,870804E+08	9,643530E+08	1,069715E+09	1,149543E+09	1,182441E+09	1,184980E+09	1,184974E+09	1,182427E+09	1,149535E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
349	1,069723E+09	9,643663E+08	8,870896E+08	8,870819E+08	9,643402E+08	1,069693E+09	1,149530E+09	1,182439E+09	1,184984E+09	1,184976E+09	1,182413E+09	1,149496E+09
350	1,069672E+09	9,643234E+08	8,870574E+08	8,870624E+08	9,643316E+08	1,069678E+09	1,149504E+09	1,182424E+09	1,184984E+09	1,184984E+09	1,182427E+09	1,149513E+09
351	1,069693E+09	9,643613E+08	8,871040E+08	8,871034E+08	9,643703E+08	1,069712E+09	1,149517E+09	1,182413E+09	1,184969E+09	1,184983E+09	1,182445E+09	1,149545E+09
352	1,069716E+09	9,643615E+08	8,870966E+08	8,870898E+08	9,643464E+08	1,069694E+09	1,149517E+09	1,182420E+09	1,184972E+09	1,184973E+09	1,182420E+09	1,149510E+09
353	1,069682E+09	9,643326E+08	8,870832E+08	8,870976E+08	9,643617E+08	1,069705E+09	1,149526E+09	1,182429E+09	1,184975E+09	1,184971E+09	1,182421E+09	1,149527E+09
354	1,069729E+09	9,644007E+08	8,871406E+08	8,871417E+08	9,643977E+08	1,069724E+09	1,149527E+09	1,182425E+09	1,184974E+09	1,184972E+09	1,182419E+09	1,149518E+09
355	1,069710E+09	9,643831E+08	8,871287E+08	8,871174E+08	9,643641E+08	1,069701E+09	1,149520E+09	1,182430E+09	1,184984E+09	1,184977E+09	1,182414E+09	1,149502E+09
356	1,069687E+09	9,643695E+08	8,871419E+08	8,871515E+08	9,643973E+08	1,069723E+09	1,149533E+09	1,182439E+09	1,184995E+09	1,184993E+09	1,182434E+09	1,149531E+09
357	1,069734E+09	9,644161E+08	8,871736E+08	8,871764E+08	9,644154E+08	1,069730E+09	1,149533E+09	1,182433E+09	1,184990E+09	1,184990E+09	1,182429E+09	1,149511E+09
358	1,069694E+09	9,643728E+08	8,871357E+08	8,871433E+08	9,643918E+08	1,069714E+09	1,149522E+09	1,182431E+09	1,184991E+09	1,184991E+09	1,182432E+09	1,149522E+09
359	1,069713E+09	9,644016E+08	8,871668E+08	8,871693E+08	9,644146E+08	1,069737E+09	1,149537E+09	1,182433E+09	1,184986E+09	1,184990E+09	1,182443E+09	1,149551E+09
360	1,069751E+09	9,644239E+08	8,871712E+08	8,871584E+08	9,643890E+08	1,069711E+09	1,149526E+09	1,182437E+09	1,184996E+09	1,184988E+09	1,182418E+09	1,149504E+09
361	1,069697E+09	9,643770E+08	8,871359E+08	8,871392E+08	9,643801E+08	1,069701E+09	1,149518E+09	1,182434E+09	1,184995E+09	1,184991E+09	1,182427E+09	1,149519E+09
362	1,069723E+09	9,644181E+08	8,871787E+08	8,871779E+08	9,644163E+08	1,069723E+09	1,149515E+09	1,182415E+09	1,184977E+09	1,184984E+09	1,182434E+09	1,149529E+09
363	1,069715E+09	9,643889E+08	8,871448E+08	8,871400E+08	9,643782E+08	1,069703E+09	1,149512E+09	1,182415E+09	1,184972E+09	1,184975E+09	1,182420E+09	1,149508E+09
364	1,069683E+09	9,643470E+08	8,871090E+08	8,871272E+08	9,643841E+08	1,069718E+09	1,149530E+09	1,182429E+09	1,184977E+09	1,184977E+09	1,182429E+09	1,149531E+09
365	1,069730E+09	9,643989E+08	8,871364E+08	8,871364E+08	9,643933E+08	1,069728E+09	1,149537E+09	1,182428E+09	1,184970E+09	1,184967E+09	1,182415E+09	1,149508E+09
366	1,069690E+09	9,643545E+08	8,870947E+08	8,870881E+08	9,643467E+08	1,069696E+09	1,149523E+09	1,182433E+09	1,184982E+09	1,184973E+09	1,182411E+09	1,149501E+09
367	1,069686E+09	9,643575E+08	8,871089E+08	8,871092E+08	9,643629E+08	1,069706E+09	1,149526E+09	1,182431E+09	1,184983E+09	1,184983E+09	1,182431E+09	1,149532E+09
368	1,069726E+09	9,643875E+08	8,871258E+08	8,871206E+08	9,643642E+08	1,069694E+09	1,149513E+09	1,182426E+09	1,184988E+09	1,184986E+09	1,182421E+09	1,149498E+09
369	1,069673E+09	9,643347E+08	8,870813E+08	8,870931E+08	9,643573E+08	1,069693E+09	1,149509E+09	1,182419E+09	1,184980E+09	1,184985E+09	1,182431E+09	1,149519E+09
370	1,069703E+09	9,643779E+08	8,871323E+08	8,871383E+08	9,643943E+08	1,069722E+09	1,149520E+09	1,182410E+09	1,184961E+09	1,184971E+09	1,182434E+09	1,149543E+09
371	1,069728E+09	9,643878E+08	8,871322E+08	8,871271E+08	9,643712E+08	1,069706E+09	1,149522E+09	1,182423E+09	1,184969E+09	1,184965E+09	1,182412E+09	1,149508E+09
372	1,069692E+09	9,643579E+08	8,871142E+08	8,871252E+08	9,643758E+08	1,069709E+09	1,149528E+09	1,182437E+09	1,184988E+09	1,184980E+09	1,182419E+09	1,149519E+09
373	1,069732E+09	9,644276E+08	8,871816E+08	8,871756E+08	9,644131E+08	1,069729E+09	1,149531E+09	1,182430E+09	1,184983E+09	1,184980E+09	1,182419E+09	1,149507E+09
374	1,069702E+09	9,643955E+08	8,871638E+08	8,871614E+08	9,643950E+08	1,069710E+09	1,149517E+09	1,182430E+09	1,184994E+09	1,184990E+09	1,182419E+09	1,149499E+09
375	1,069692E+09	9,643879E+08	8,871675E+08	8,871797E+08	9,644177E+08	1,069729E+09	1,149526E+09	1,182427E+09	1,184990E+09	1,184997E+09	1,182442E+09	1,149541E+09
376	1,069748E+09	9,644390E+08	8,872025E+08	8,872039E+08	9,644321E+08	1,069733E+09	1,149528E+09	1,182432E+09	1,184993E+09	1,184992E+09	1,182429E+09	1,149515E+09
377	1,069707E+09	9,643956E+08	8,871619E+08	8,871656E+08	9,644032E+08	1,069717E+09	1,149525E+09	1,182436E+09	1,184995E+09	1,184990E+09	1,182427E+09	1,149520E+09
378	1,069724E+09	9,644272E+08	8,872040E+08	8,872030E+08	9,644255E+08	1,069727E+09	1,149524E+09	1,182426E+09	1,184984E+09	1,184985E+09	1,182431E+09	1,149539E+09
379	1,069751E+09	9,644465E+08	8,872118E+08	8,872023E+08	9,644145E+08	1,069712E+09	1,149514E+09	1,182425E+09	1,184988E+09	1,184986E+09	1,182419E+09	1,149502E+09
380	1,069695E+09	9,643888E+08	8,871604E+08	8,871705E+08	9,644051E+08	1,069711E+09	1,149512E+09	1,182424E+09	1,184991E+09	1,184994E+09	1,182431E+09	1,149518E+09
381	1,069722E+09	9,644304E+08	8,872015E+08	8,872003E+08	9,644360E+08	1,069743E+09	1,149528E+09	1,182415E+09	1,184969E+09	1,184976E+09	1,182428E+09	1,149524E+09
382	1,069714E+09	9,643963E+08	8,871639E+08	8,871659E+08	9,644009E+08	1,069719E+09	1,149525E+09	1,182427E+09	1,184978E+09	1,184972E+09	1,182409E+09	1,149501E+09
383	1,069692E+09	9,643675E+08	8,871263E+08	8,871397E+08	9,643901E+08	1,069717E+09	1,149529E+09	1,182433E+09	1,184984E+09	1,184980E+09	1,182424E+09	1,149528E+09
384	1,069736E+09	9,644219E+08	8,871663E+08	8,871598E+08	9,643999E+08	1,069719E+09	1,149528E+09	1,182434E+09	1,184988E+09	1,184980E+09	1,182417E+09	1,149503E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
385	1,069688E+09	9,643686E+08	8,871213E+08	8,871154E+08	9,643596E+08	1,069692E+09	1,149516E+09	1,182433E+09	1,184991E+09	1,184986E+09	1,182420E+09	1,149503E+09
386	1,069686E+09	9,643693E+08	8,871394E+08	8,871463E+08	9,643843E+08	1,069702E+09	1,149508E+09	1,182414E+09	1,184976E+09	1,184983E+09	1,182434E+09	1,149536E+09
387	1,069732E+09	9,644057E+08	8,871574E+08	8,871581E+08	9,643931E+08	1,069707E+09	1,149509E+09	1,182410E+09	1,184969E+09	1,184977E+09	1,182425E+09	1,149510E+09
388	1,069688E+09	9,643561E+08	8,871049E+08	8,871165E+08	9,643745E+08	1,069703E+09	1,149514E+09	1,182419E+09	1,184975E+09	1,184977E+09	1,182424E+09	1,149519E+09
389	1,069717E+09	9,644101E+08	8,871688E+08	8,871639E+08	9,644085E+08	1,069733E+09	1,149530E+09	1,182418E+09	1,184963E+09	1,184961E+09	1,182415E+09	1,149526E+09
390	1,069729E+09	9,644129E+08	8,871747E+08	8,871696E+08	9,643962E+08	1,069711E+09	1,149523E+09	1,182431E+09	1,184983E+09	1,184970E+09	1,182398E+09	1,149488E+09
391	1,069690E+09	9,643822E+08	8,871510E+08	8,871624E+08	9,643974E+08	1,069708E+09	1,149517E+09	1,182432E+09	1,184996E+09	1,184992E+09	1,182424E+09	1,149514E+09
392	1,069729E+09	9,644448E+08	8,872183E+08	8,872176E+08	9,644427E+08	1,069735E+09	1,149523E+09	1,182427E+09	1,184994E+09	1,184994E+09	1,182429E+09	1,149511E+09
393	1,069702E+09	9,644051E+08	8,871869E+08	8,871902E+08	9,644182E+08	1,069723E+09	1,149524E+09	1,182433E+09	1,184998E+09	1,184997E+09	1,182428E+09	1,149510E+09
394	1,069702E+09	9,644040E+08	8,871952E+08	8,872100E+08	9,644344E+08	1,069731E+09	1,149523E+09	1,182425E+09	1,184988E+09	1,184992E+09	1,182438E+09	1,149545E+09
395	1,069763E+09	9,644677E+08	8,872378E+08	8,872354E+08	9,644504E+08	1,069737E+09	1,149524E+09	1,182426E+09	1,184987E+09	1,184988E+09	1,182427E+09	1,149517E+09
396	1,069719E+09	9,644218E+08	8,871934E+08	8,871900E+08	9,644130E+08	1,069714E+09	1,149518E+09	1,182434E+09	1,185000E+09	1,184995E+09	1,182425E+09	1,149515E+09
397	1,069728E+09	9,644519E+08	8,872418E+08	8,872357E+08	9,644445E+08	1,069733E+09	1,149520E+09	1,182420E+09	1,184982E+09	1,184982E+09	1,182424E+09	1,149529E+09
398	1,069745E+09	9,644561E+08	8,872416E+08	8,872428E+08	9,644484E+08	1,069725E+09	1,149511E+09	1,182419E+09	1,184986E+09	1,184985E+09	1,182413E+09	1,149496E+09
399	1,069698E+09	9,644022E+08	8,871788E+08	8,871913E+08	9,644242E+08	1,069721E+09	1,149513E+09	1,182418E+09	1,184984E+09	1,184990E+09	1,182430E+09	1,149521E+09
400	1,069729E+09	9,644456E+08	8,872236E+08	8,872208E+08	9,644487E+08	1,069747E+09	1,149532E+09	1,182424E+09	1,184977E+09	1,184973E+09	1,182420E+09	1,149520E+09
401	1,069717E+09	9,644108E+08	8,871829E+08	8,871802E+08	9,644074E+08	1,069720E+09	1,149532E+09	1,182440E+09	1,184992E+09	1,184977E+09	1,182404E+09	1,149495E+09
402	1,069694E+09	9,643846E+08	8,871574E+08	8,871663E+08	9,643965E+08	1,069705E+09	1,149515E+09	1,182429E+09	1,184990E+09	1,184985E+09	1,182420E+09	1,149520E+09
403	1,069737E+09	9,644400E+08	8,872004E+08	8,871959E+08	9,644216E+08	1,069717E+09	1,149512E+09	1,182419E+09	1,184983E+09	1,184986E+09	1,182427E+09	1,149508E+09
404	1,069692E+09	9,643822E+08	8,871458E+08	8,871430E+08	9,643812E+08	1,069699E+09	1,149508E+09	1,182422E+09	1,184987E+09	1,184990E+09	1,182428E+09	1,149511E+09
405	1,069695E+09	9,643895E+08	8,871692E+08	8,871735E+08	9,644062E+08	1,069718E+09	1,149514E+09	1,182409E+09	1,184965E+09	1,184971E+09	1,182426E+09	1,149536E+09
406	1,069739E+09	9,644236E+08	8,871882E+08	8,871936E+08	9,644218E+08	1,069721E+09	1,149518E+09	1,182418E+09	1,184972E+09	1,184970E+09	1,182409E+09	1,149501E+09
407	1,069701E+09	9,643858E+08	8,871369E+08	8,871416E+08	9,643894E+08	1,069707E+09	1,149513E+09	1,182422E+09	1,184982E+09	1,184979E+09	1,182417E+09	1,149510E+09
408	1,069720E+09	9,644356E+08	8,872094E+08	8,871994E+08	9,644251E+08	1,069730E+09	1,149526E+09	1,182428E+09	1,184983E+09	1,184973E+09	1,182412E+09	1,149515E+09
409	1,069722E+09	9,644264E+08	8,872076E+08	8,872066E+08	9,644215E+08	1,069716E+09	1,149521E+09	1,182437E+09	1,184999E+09	1,184987E+09	1,182408E+09	1,149488E+09
410	1,069688E+09	9,643928E+08	8,871830E+08	8,872005E+08	9,644225E+08	1,069710E+09	1,149504E+09	1,182419E+09	1,184993E+09	1,184997E+09	1,182431E+09	1,149522E+09
411	1,069738E+09	9,644601E+08	8,872464E+08	8,872506E+08	9,644694E+08	1,069748E+09	1,149521E+09	1,182415E+09	1,184979E+09	1,184991E+09	1,182439E+09	1,149527E+09
412	1,069722E+09	9,644283E+08	8,872120E+08	8,872113E+08	9,644308E+08	1,069728E+09	1,149525E+09	1,182433E+09	1,184995E+09	1,184992E+09	1,182425E+09	1,149515E+09
413	1,069721E+09	9,644381E+08	8,872331E+08	8,872343E+08	9,644442E+08	1,069732E+09	1,149521E+09	1,182424E+09	1,184986E+09	1,184983E+09	1,182421E+09	1,149533E+09
414	1,069767E+09	9,644939E+08	8,872811E+08	8,872769E+08	9,644740E+08	1,069738E+09	1,149518E+09	1,182426E+09	1,184993E+09	1,184988E+09	1,182411E+09	1,149500E+09
415	1,069721E+09	9,644462E+08	8,872296E+08	8,872250E+08	9,644356E+08	1,069716E+09	1,149505E+09	1,182422E+09	1,184998E+09	1,184998E+09	1,182423E+09	1,149508E+09
416	1,069724E+09	9,644653E+08	8,872734E+08	8,872717E+08	9,644720E+08	1,069742E+09	1,149518E+09	1,182420E+09	1,184986E+09	1,184984E+09	1,182422E+09	1,149525E+09
417	1,069742E+09	9,644605E+08	8,872586E+08	8,872665E+08	9,644717E+08	1,069743E+09	1,149525E+09	1,182429E+09	1,184992E+09	1,184986E+09	1,182412E+09	1,149496E+09
418	1,069701E+09	9,644106E+08	8,871990E+08	8,872120E+08	9,644355E+08	1,069723E+09	1,149514E+09	1,182422E+09	1,184988E+09	1,184988E+09	1,182423E+09	1,149519E+09
419	1,069736E+09	9,644624E+08	8,872483E+08	8,872416E+08	9,644605E+08	1,069750E+09	1,149531E+09	1,182424E+09	1,184980E+09	1,184980E+09	1,182425E+09	1,149521E+09
420	1,069724E+09	9,644290E+08	8,872082E+08	8,871979E+08	9,644103E+08	1,069712E+09	1,149523E+09	1,182441E+09	1,185003E+09	1,184992E+09	1,182412E+09	1,149495E+09

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°
421	1,069698E+09	9,644043E+08	8,871898E+08	8,871942E+08	9,644120E+08	1,069704E+09	1,149501E+09	1,182418E+09	1,184989E+09	1,184989E+09	1,182423E+09	1,149520E+09
422	1,069738E+09	9,644526E+08	8,872308E+08	8,872331E+08	9,644523E+08	1,069728E+09	1,149505E+09	1,182407E+09	1,184977E+09	1,184985E+09	1,182423E+09	1,149510E+09
423	1,069706E+09	9,644028E+08	8,871704E+08	8,871669E+08	9,644009E+08	1,069708E+09	1,149505E+09	1,182411E+09	1,184975E+09	1,184981E+09	1,182424E+09	1,149515E+09
424	1,069709E+09	9,644149E+08	8,872027E+08	8,872035E+08	9,644247E+08	1,069723E+09	1,149518E+09	1,182418E+09	1,184969E+09	1,184962E+09	1,182411E+09	1,149527E+09
425	1,069745E+09	9,644452E+08	8,872199E+08	8,872217E+08	9,644393E+08	1,069728E+09	1,149523E+09	1,182429E+09	1,184984E+09	1,184972E+09	1,182398E+09	1,149488E+09
426	1,069697E+09	9,644037E+08	8,871782E+08	8,871806E+08	9,644071E+08	1,069703E+09	1,149503E+09	1,182420E+09	1,184989E+09	1,184986E+09	1,182413E+09	1,149500E+09
427	1,069716E+09	9,644496E+08	8,872461E+08	8,872421E+08	9,644564E+08	1,069739E+09	1,149518E+09	1,182416E+09	1,184980E+09	1,184984E+09	1,182425E+09	1,149517E+09
428	1,069722E+09	9,644375E+08	8,872322E+08	8,872340E+08	9,644436E+08	1,069728E+09	1,149521E+09	1,182433E+09	1,185002E+09	1,184997E+09	1,182419E+09	1,149499E+09
429	1,069700E+09	9,644129E+08	8,872119E+08	8,872262E+08	9,644430E+08	1,069725E+09	1,149509E+09	1,182418E+09	1,184989E+09	1,184991E+09	1,182427E+09	1,149526E+09
430	1,069752E+09	9,644832E+08	8,872785E+08	8,872827E+08	9,644919E+08	1,069756E+09	1,149524E+09	1,182420E+09	1,184984E+09	1,184986E+09	1,182423E+09	1,149523E+09
431	1,069742E+09	9,644627E+08	8,872480E+08	8,872369E+08	9,644413E+08	1,069725E+09	1,149517E+09	1,182430E+09	1,184999E+09	1,184994E+09	1,182419E+09	1,149509E+09
432	1,069729E+09	9,644679E+08	8,872788E+08	8,872741E+08	9,644606E+08	1,069725E+09	1,149511E+09	1,182427E+09	1,184996E+09	1,184988E+09	1,182416E+09	1,149520E+09
433	1,069761E+09	9,645069E+08	8,873139E+08	8,873151E+08	9,645019E+08	1,069747E+09	1,149514E+09	1,182424E+09	1,184999E+09	1,184997E+09	1,182415E+09	1,149495E+09
434	1,069714E+09	9,644532E+08	8,872596E+08	8,872606E+08	9,644614E+08	1,069725E+09	1,149498E+09	1,182410E+09	1,184991E+09	1,184997E+09	1,182423E+09	1,149509E+09
435	1,069728E+09	9,644737E+08	8,872940E+08	8,872977E+08	9,644958E+08	1,069759E+09	1,149523E+09	1,182414E+09	1,184976E+09	1,184981E+09	1,182425E+09	1,149529E+09
436	1,069752E+09	9,644752E+08	8,872752E+08	8,872785E+08	9,644779E+08	1,069747E+09	1,149531E+09	1,182439E+09	1,185000E+09	1,184989E+09	1,182409E+09	1,149496E+09
437	1,069712E+09	9,644349E+08	8,872272E+08	8,872289E+08	9,644406E+08	1,069722E+09	1,149510E+09	1,182425E+09	1,184995E+09	1,184988E+09	1,182414E+09	1,149509E+09
438	1,069738E+09	9,644796E+08	8,872806E+08	8,872743E+08	9,644776E+08	1,069747E+09	1,149521E+09	1,182422E+09	1,184988E+09	1,184987E+09	1,182419E+09	1,149514E+09
439	1,069731E+09	9,644485E+08	8,872374E+08	8,872267E+08	9,644277E+08	1,069711E+09	1,149507E+09	1,182425E+09	1,184999E+09	1,184998E+09	1,182420E+09	1,149499E+09
440	1,069703E+09	9,644200E+08	8,872204E+08	8,872270E+08	9,644338E+08	1,069709E+09	1,149496E+09	1,182412E+09	1,184985E+09	1,184986E+09	1,182421E+09	1,149520E+09
441	1,069742E+09	9,644637E+08	8,872528E+08	8,872597E+08	9,644761E+08	1,069745E+09	1,149514E+09	1,182412E+09	1,184977E+09	1,184981E+09	1,182418E+09	1,149508E+09
442	1,069712E+09	9,644207E+08	8,872015E+08	8,871952E+08	9,644169E+08	1,069713E+09	1,149504E+09	1,182410E+09	1,184975E+09	1,184974E+09	1,182410E+09	1,149506E+09
443	1,069715E+09	9,644352E+08	8,872346E+08	8,872330E+08	9,644434E+08	1,069732E+09	1,149519E+09	1,182417E+09	1,184972E+09	1,184967E+09	1,182408E+09	1,149517E+09
444	1,069745E+09	9,644634E+08	8,872516E+08	8,872503E+08	9,644530E+08	1,069729E+09	1,149521E+09	1,182435E+09	1,184998E+09	1,184986E+09	1,182404E+09	1,149485E+09
445	1,069698E+09	9,644204E+08	8,872116E+08	8,872142E+08	9,644299E+08	1,069709E+09	1,149494E+09	1,182413E+09	1,184992E+09	1,184993E+09	1,182417E+09	1,149500E+09
446	1,069718E+09	9,644611E+08	8,872745E+08	8,872784E+08	9,644862E+08	1,069754E+09	1,149517E+09	1,182411E+09	1,184980E+09	1,184986E+09	1,182424E+09	1,149524E+09
447	1,069742E+09	9,644620E+08	8,872593E+08	8,872575E+08	9,644580E+08	1,069733E+09	1,149517E+09	1,182426E+09	1,184995E+09	1,184995E+09	1,182420E+09	1,149506E+09
448	1,069719E+09	9,644454E+08	8,872511E+08	8,872573E+08	9,644553E+08	1,069721E+09	1,149505E+09	1,182424E+09	1,184994E+09	1,184986E+09	1,182414E+09	1,149518E+09
449	1,069761E+09	9,645113E+08	8,873179E+08	8,873167E+08	9,645090E+08	1,069758E+09	1,149521E+09	1,182424E+09	1,184994E+09	1,184990E+09	1,182414E+09	1,149509E+09
450	1,069740E+09	9,644856E+08	8,872953E+08	8,872824E+08	9,644629E+08	1,069721E+09	1,149501E+09	1,182418E+09	1,184998E+09	1,184996E+09	1,182413E+09	1,149497E+09
451	1,069725E+09	9,644830E+08	8,873155E+08	8,873190E+08	9,644965E+08	1,069740E+09	1,149505E+09	1,182411E+09	1,184988E+09	1,184993E+09	1,182423E+09	1,149518E+09
452	1,069759E+09	9,645160E+08	8,873368E+08	8,873424E+08	9,645255E+08	1,069764E+09	1,149521E+09	1,182425E+09	1,185000E+09	1,185001E+09	1,182421E+09	1,149501E+09
453	1,069721E+09	9,644660E+08	8,872808E+08	8,872831E+08	9,644810E+08	1,069742E+09	1,149508E+09	1,182415E+09	1,184992E+09	1,184993E+09	1,182418E+09	1,149508E+09
454	1,069736E+09	9,644881E+08	8,873147E+08	8,873206E+08	9,645130E+08	1,069769E+09	1,149531E+09	1,182424E+09	1,184987E+09	1,184983E+09	1,182414E+09	1,149523E+09
455	1,069765E+09	9,644992E+08	8,872995E+08	8,872935E+08	9,644795E+08	1,069741E+09	1,149524E+09	1,182438E+09	1,185010E+09	1,185000E+09	1,182413E+09	1,149495E+09
456	1,069719E+09	9,644579E+08	8,872627E+08	8,872601E+08	9,644491E+08	1,069709E+09	1,149497E+09	1,182426E+09	1,185004E+09	1,184997E+09	1,182416E+09	1,149505E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
457	1,069737E+09	9,644913E+08	8,873060E+08	8,873048E+08	9,644978E+08	1,069749E+09	1,149509E+09	1,182413E+09	1,184989E+09	1,184994E+09	1,182425E+09	1,149516E+09
458	1,069730E+09	9,644589E+08	8,872653E+08	8,872580E+08	9,644479E+08	1,069716E+09	1,149496E+09	1,182405E+09	1,184982E+09	1,184989E+09	1,182418E+09	1,149503E+09
459	1,069714E+09	9,644364E+08	8,872454E+08	8,872555E+08	9,644571E+08	1,069725E+09	1,149500E+09	1,182400E+09	1,184968E+09	1,184975E+09	1,182416E+09	1,149518E+09
460	1,069752E+09	9,644845E+08	8,872769E+08	8,872778E+08	9,644847E+08	1,069751E+09	1,149521E+09	1,182420E+09	1,184982E+09	1,184977E+09	1,182406E+09	1,149500E+09
461	1,069719E+09	9,644460E+08	8,872359E+08	8,872237E+08	9,644318E+08	1,069718E+09	1,149503E+09	1,182414E+09	1,184982E+09	1,184974E+09	1,182397E+09	1,149489E+09
462	1,069712E+09	9,644512E+08	8,872689E+08	8,872728E+08	9,644691E+08	1,069738E+09	1,149515E+09	1,182419E+09	1,184983E+09	1,184976E+09	1,182402E+09	1,149506E+09
463	1,069747E+09	9,644795E+08	8,872807E+08	8,872821E+08	9,644741E+08	1,069734E+09	1,149513E+09	1,182426E+09	1,185001E+09	1,184999E+09	1,182415E+09	1,149490E+09
464	1,069704E+09	9,644378E+08	8,872445E+08	8,872499E+08	9,644505E+08	1,069715E+09	1,149495E+09	1,182416E+09	1,184995E+09	1,184995E+09	1,182419E+09	1,149504E+09
465	1,069727E+09	9,644776E+08	8,873000E+08	8,873067E+08	9,645060E+08	1,069764E+09	1,149523E+09	1,182417E+09	1,184985E+09	1,184989E+09	1,182424E+09	1,149525E+09
466	1,069752E+09	9,644881E+08	8,872975E+08	8,872900E+08	9,644727E+08	1,069732E+09	1,149510E+09	1,182420E+09	1,184995E+09	1,184993E+09	1,182413E+09	1,149502E+09
467	1,069731E+09	9,644754E+08	8,872928E+08	8,872950E+08	9,644762E+08	1,069726E+09	1,149499E+09	1,182413E+09	1,184992E+09	1,184993E+09	1,182415E+09	1,149510E+09
468	1,069763E+09	9,645338E+08	8,873559E+08	8,873529E+08	9,645279E+08	1,069760E+09	1,149515E+09	1,182423E+09	1,185002E+09	1,185001E+09	1,182419E+09	1,149507E+09
469	1,069741E+09	9,645028E+08	8,873291E+08	8,873229E+08	9,644952E+08	1,069735E+09	1,149494E+09	1,182408E+09	1,184995E+09	1,184996E+09	1,182412E+09	1,149495E+09
470	1,069727E+09	9,644921E+08	8,873387E+08	8,873536E+08	9,645290E+08	1,069762E+09	1,149513E+09	1,182410E+09	1,184986E+09	1,184989E+09	1,182416E+09	1,149519E+09
471	1,069773E+09	9,645346E+08	8,873571E+08	8,873609E+08	9,645375E+08	1,069772E+09	1,149527E+09	1,182427E+09	1,184999E+09	1,184999E+09	1,182420E+09	1,149505E+09
472	1,069735E+09	9,644913E+08	8,873106E+08	8,873052E+08	9,644840E+08	1,069735E+09	1,149510E+09	1,182428E+09	1,185002E+09	1,184991E+09	1,182408E+09	1,149499E+09
473	1,069739E+09	9,645073E+08	8,873419E+08	8,873439E+08	9,645205E+08	1,069765E+09	1,149527E+09	1,182430E+09	1,185001E+09	1,184994E+09	1,182413E+09	1,149513E+09
474	1,069761E+09	9,645170E+08	8,873355E+08	8,873272E+08	9,644921E+08	1,069731E+09	1,149502E+09	1,182421E+09	1,185006E+09	1,185004E+09	1,182415E+09	1,149491E+09
475	1,069719E+09	9,644715E+08	8,872903E+08	8,872939E+08	9,644754E+08	1,069718E+09	1,149485E+09	1,182402E+09	1,184990E+09	1,185000E+09	1,182423E+09	1,149506E+09
476	1,069740E+09	9,645027E+08	8,873263E+08	8,873279E+08	9,645153E+08	1,069761E+09	1,149513E+09	1,182409E+09	1,184983E+09	1,184991E+09	1,182426E+09	1,149521E+09
477	1,069741E+09	9,644763E+08	8,872878E+08	8,872837E+08	9,644688E+08	1,069729E+09	1,149500E+09	1,182405E+09	1,184977E+09	1,184976E+09	1,182403E+09	1,149496E+09
478	1,069721E+09	9,644554E+08	8,872711E+08	8,872831E+08	9,644774E+08	1,069737E+09	1,149509E+09	1,182411E+09	1,184976E+09	1,184970E+09	1,182398E+09	1,149504E+09
479	1,069758E+09	9,645084E+08	8,873077E+08	8,873020E+08	9,644924E+08	1,069749E+09	1,149519E+09	1,182423E+09	1,184992E+09	1,184987E+09	1,182407E+09	1,149492E+09
480	1,069718E+09	9,644660E+08	8,872732E+08	8,872618E+08	9,644466E+08	1,069711E+09	1,149497E+09	1,182420E+09	1,184996E+09	1,184987E+09	1,182400E+09	1,149482E+09
481	1,069707E+09	9,644599E+08	8,872929E+08	8,873060E+08	9,644950E+08	1,069747E+09	1,149511E+09	1,182415E+09	1,184991E+09	1,184991E+09	1,182414E+09	1,149510E+09
482	1,069747E+09	9,644926E+08	8,873093E+08	8,873132E+08	9,644941E+08	1,069740E+09	1,149505E+09	1,182411E+09	1,184991E+09	1,184997E+09	1,182420E+09	1,149500E+09
483	1,069720E+09	9,644619E+08	8,872747E+08	8,872811E+08	9,644723E+08	1,069725E+09	1,149494E+09	1,182405E+09	1,184984E+09	1,184992E+09	1,182419E+09	1,149507E+09
484	1,069744E+09	9,645085E+08	8,873346E+08	8,873331E+08	9,645155E+08	1,069764E+09	1,149522E+09	1,182421E+09	1,184991E+09	1,184989E+09	1,182419E+09	1,149522E+09
485	1,069764E+09	9,645196E+08	8,873407E+08	8,873309E+08	9,644957E+08	1,069735E+09	1,149501E+09	1,182415E+09	1,184995E+09	1,184991E+09	1,182402E+09	1,149489E+09
486	1,069732E+09	9,644985E+08	8,873348E+08	8,873434E+08	9,645109E+08	1,069739E+09	1,149497E+09	1,182410E+09	1,184994E+09	1,184993E+09	1,182406E+09	1,149501E+09
487	1,069764E+09	9,645514E+08	8,873871E+08	8,873874E+08	9,645536E+08	1,069773E+09	1,149515E+09	1,182416E+09	1,185000E+09	1,185005E+09	1,182424E+09	1,149509E+09
488	1,069745E+09	9,645194E+08	8,873597E+08	8,873575E+08	9,645173E+08	1,069746E+09	1,149506E+09	1,182420E+09	1,184999E+09	1,184994E+09	1,182408E+09	1,149494E+09
489	1,069732E+09	9,645049E+08	8,873567E+08	8,873757E+08	9,645464E+08	1,069773E+09	1,149524E+09	1,182424E+09	1,184998E+09	1,184994E+09	1,182413E+09	1,149514E+09
490	1,069774E+09	9,645535E+08	8,873849E+08	8,873821E+08	9,645438E+08	1,069768E+09	1,149521E+09	1,182426E+09	1,185004E+09	1,185002E+09	1,182417E+09	1,149501E+09
491	1,069742E+09	9,645144E+08	8,873432E+08	8,873338E+08	9,644959E+08	1,069731E+09	1,149499E+09	1,182417E+09	1,185004E+09	1,185004E+09	1,182415E+09	1,149495E+09
492	1,069739E+09	9,645239E+08	8,873702E+08	8,873696E+08	9,645288E+08	1,069756E+09	1,149514E+09	1,182423E+09	1,185006E+09	1,185005E+09	1,182423E+09	1,149518E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
493	1,069764E+09	9,645309E+08	8,873604E+08	8,873592E+08	9,645184E+08	1,069738E+09	1,149489E+09	1,182403E+09	1,184993E+09	1,184999E+09	1,182414E+09	1,149494E+09
494	1,069726E+09	9,644856E+08	8,873125E+08	8,873232E+08	9,645028E+08	1,069736E+09	1,149490E+09	1,182395E+09	1,184977E+09	1,184984E+09	1,182411E+09	1,149506E+09
495	1,069754E+09	9,645235E+08	8,873480E+08	8,873461E+08	9,645259E+08	1,069767E+09	1,149518E+09	1,182410E+09	1,184978E+09	1,184981E+09	1,182415E+09	1,149517E+09
496	1,069751E+09	9,645026E+08	8,873216E+08	8,873125E+08	9,644783E+08	1,069727E+09	1,149506E+09	1,182420E+09	1,184986E+09	1,184971E+09	1,182386E+09	1,149479E+09
497	1,069717E+09	9,644718E+08	8,872994E+08	8,873131E+08	9,644941E+08	1,069740E+09	1,149510E+09	1,182420E+09	1,184993E+09	1,184984E+09	1,182396E+09	1,149488E+09
498	1,069744E+09	9,645201E+08	8,873417E+08	8,873383E+08	9,645127E+08	1,069748E+09	1,149506E+09	1,182413E+09	1,184994E+09	1,184997E+09	1,182415E+09	1,149491E+09
499	1,069717E+09	9,644780E+08	8,873006E+08	8,872968E+08	9,644753E+08	1,069723E+09	1,149491E+09	1,182404E+09	1,184991E+09	1,184998E+09	1,182415E+09	1,149490E+09
500	1,069712E+09	9,644741E+08	8,873152E+08	8,873288E+08	9,645096E+08	1,069755E+09	1,149516E+09	1,182418E+09	1,184993E+09	1,184996E+09	1,182423E+09	1,149523E+09
501	1,069765E+09	9,645169E+08	8,873363E+08	8,873416E+08	9,645158E+08	1,069748E+09	1,149503E+09	1,182409E+09	1,184989E+09	1,184990E+09	1,182412E+09	1,149500E+09
502	1,069736E+09	9,644927E+08	8,873108E+08	8,873146E+08	9,644943E+08	1,069734E+09	1,149497E+09	1,182409E+09	1,184988E+09	1,184985E+09	1,182404E+09	1,149501E+09
503	1,069757E+09	9,645412E+08	8,873767E+08	8,873682E+08	9,645296E+08	1,069760E+09	1,149515E+09	1,182418E+09	1,184995E+09	1,184995E+09	1,182418E+09	1,149518E+09
504	1,069768E+09	9,645459E+08	8,873863E+08	8,873784E+08	9,645192E+08	1,069733E+09	1,149496E+09	1,182417E+09	1,185000E+09	1,184993E+09	1,182398E+09	1,149480E+09
505	1,069727E+09	9,645100E+08	8,873629E+08	8,873812E+08	9,645434E+08	1,069756E+09	1,149500E+09	1,182409E+09	1,184998E+09	1,185000E+09	1,182410E+09	1,149497E+09
506	1,069759E+09	9,645640E+08	8,874164E+08	8,874178E+08	9,645744E+08	1,069782E+09	1,149514E+09	1,182409E+09	1,184992E+09	1,185000E+09	1,182422E+09	1,149511E+09
507	1,069756E+09	9,645398E+08	8,873855E+08	8,873822E+08	9,645341E+08	1,069753E+09	1,149507E+09	1,182417E+09	1,184999E+09	1,184997E+09	1,182405E+09	1,149490E+09
508	1,069740E+09	9,645282E+08	8,873838E+08	8,873932E+08	9,645492E+08	1,069767E+09	1,149522E+09	1,182432E+09	1,185012E+09	1,185003E+09	1,182412E+09	1,149512E+09
509	1,069781E+09	9,645757E+08	8,874169E+08	8,874136E+08	9,645605E+08	1,069761E+09	1,149504E+09	1,182417E+09	1,185006E+09	1,185005E+09	1,182413E+09	1,149495E+09
510	1,069743E+09	9,645322E+08	8,873758E+08	8,873716E+08	9,645235E+08	1,069738E+09	1,149490E+09	1,182407E+09	1,184999E+09	1,185001E+09	1,182412E+09	1,149495E+09
511	1,069744E+09	9,645393E+08	8,873968E+08	8,873974E+08	9,645481E+08	1,069762E+09	1,149507E+09	1,182410E+09	1,184995E+09	1,185002E+09	1,182428E+09	1,149525E+09
512	1,069773E+09	9,645474E+08	8,873882E+08	8,873896E+08	9,645368E+08	1,069746E+09	1,149499E+09	1,182408E+09	1,184988E+09	1,184988E+09	1,182403E+09	1,149489E+09
513	1,069730E+09	9,644998E+08	8,873319E+08	8,873457E+08	9,645230E+08	1,069751E+09	1,149502E+09	1,182407E+09	1,184986E+09	1,184984E+09	1,182401E+09	1,149494E+09
514	1,069749E+09	9,645412E+08	8,873774E+08	8,873686E+08	9,645362E+08	1,069767E+09	1,149516E+09	1,182412E+09	1,184984E+09	1,184982E+09	1,182408E+09	1,149507E+09
515	1,069751E+09	9,645213E+08	8,873533E+08	8,873433E+08	9,644962E+08	1,069728E+09	1,149500E+09	1,182417E+09	1,184995E+09	1,184988E+09	1,182392E+09	1,149473E+09
516	1,069713E+09	9,644831E+08	8,873240E+08	8,873387E+08	9,645086E+08	1,069738E+09	1,149502E+09	1,182421E+09	1,185005E+09	1,185001E+09	1,182411E+09	1,149498E+09
517	1,069747E+09	9,645287E+08	8,873619E+08	8,873682E+08	9,645404E+08	1,069757E+09	1,149497E+09	1,182400E+09	1,184987E+09	1,184998E+09	1,182420E+09	1,149502E+09
518	1,069731E+09	9,644970E+08	8,873265E+08	8,873256E+08	9,644997E+08	1,069738E+09	1,149497E+09	1,182401E+09	1,184981E+09	1,184986E+09	1,182409E+09	1,149499E+09
519	1,069734E+09	9,645044E+08	8,873467E+08	8,873504E+08	9,645165E+08	1,069751E+09	1,149513E+09	1,182416E+09	1,184991E+09	1,184990E+09	1,182417E+09	1,149525E+09
520	1,069782E+09	9,645539E+08	8,873827E+08	8,873785E+08	9,645278E+08	1,069743E+09	1,149503E+09	1,182417E+09	1,184994E+09	1,184985E+09	1,182395E+09	1,149485E+09
521	1,069738E+09	9,645196E+08	8,873539E+08	8,873575E+08	9,645205E+08	1,069738E+09	1,149492E+09	1,182409E+09	1,184998E+09	1,184993E+09	1,182397E+09	1,149481E+09
522	1,069744E+09	9,645582E+08	8,874182E+08	8,874120E+08	9,645587E+08	1,069765E+09	1,149503E+09	1,182406E+09	1,184991E+09	1,184996E+09	1,182417E+09	1,149512E+09
523	1,069766E+09	9,645602E+08	8,874189E+08	8,874194E+08	9,645555E+08	1,069753E+09	1,149496E+09	1,182407E+09	1,184997E+09	1,185000E+09	1,182403E+09	1,149481E+09
524	1,069729E+09	9,645219E+08	8,873852E+08	8,874042E+08	9,645605E+08	1,069767E+09	1,149510E+09	1,182420E+09	1,185007E+09	1,185006E+09	1,182415E+09	1,149505E+09
525	1,069769E+09	9,645793E+08	8,874381E+08	8,874429E+08	9,645949E+08	1,069789E+09	1,149515E+09	1,182412E+09	1,184997E+09	1,184999E+09	1,182416E+09	1,149510E+09
526	1,069767E+09	9,645652E+08	8,874174E+08	8,874090E+08	9,645494E+08	1,069758E+09	1,149508E+09	1,182421E+09	1,185006E+09	1,184997E+09	1,182400E+09	1,149489E+09
527	1,069749E+09	9,645529E+08	8,874183E+08	8,874195E+08	9,645550E+08	1,069755E+09	1,149507E+09	1,182426E+09	1,185018E+09	1,185014E+09	1,182420E+09	1,149515E+09
528	1,069787E+09	9,645964E+08	8,874533E+08	8,874505E+08	9,645787E+08	1,069758E+09	1,149494E+09	1,182410E+09	1,185004E+09	1,185005E+09	1,182412E+09	1,149494E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
529	1,069744E+09	9,645429E+08	8,873991E+08	8,874018E+08	9,645516E+08	1,069753E+09	1,149490E+09	1,182399E+09	1,184994E+09	1,184999E+09	1,182410E+09	1,149493E+09
530	1,069744E+09	9,645533E+08	8,874220E+08	8,874212E+08	9,645655E+08	1,069770E+09	1,149506E+09	1,182401E+09	1,184980E+09	1,184987E+09	1,182417E+09	1,149525E+09
531	1,069784E+09	9,645684E+08	8,874145E+08	8,874137E+08	9,645547E+08	1,069755E+09	1,149500E+09	1,182408E+09	1,184989E+09	1,184985E+09	1,182391E+09	1,149478E+09
532	1,069732E+09	9,645186E+08	8,873589E+08	8,873640E+08	9,645290E+08	1,069749E+09	1,149505E+09	1,182420E+09	1,185003E+09	1,184993E+09	1,182398E+09	1,149486E+09
533	1,069747E+09	9,645529E+08	8,874043E+08	8,874004E+08	9,645579E+08	1,069767E+09	1,149505E+09	1,182407E+09	1,184990E+09	1,184990E+09	1,182406E+09	1,149499E+09
534	1,069748E+09	9,645336E+08	8,873805E+08	8,873752E+08	9,645234E+08	1,069740E+09	1,149498E+09	1,182413E+09	1,184997E+09	1,184990E+09	1,182396E+09	1,149479E+09
535	1,069719E+09	9,644970E+08	8,873486E+08	8,873620E+08	9,645233E+08	1,069741E+09	1,149498E+09	1,182415E+09	1,185003E+09	1,185005E+09	1,182421E+09	1,149512E+09
536	1,069764E+09	9,645508E+08	8,873921E+08	8,873956E+08	9,645528E+08	1,069759E+09	1,149502E+09	1,182405E+09	1,184985E+09	1,184990E+09	1,182412E+09	1,149502E+09
537	1,069743E+09	9,645203E+08	8,873563E+08	8,873533E+08	9,645191E+08	1,069746E+09	1,149499E+09	1,182407E+09	1,184989E+09	1,184986E+09	1,182399E+09	1,149487E+09
538	1,069737E+09	9,645341E+08	8,873908E+08	8,873843E+08	9,645310E+08	1,069748E+09	1,149501E+09	1,182408E+09	1,184990E+09	1,184988E+09	1,182408E+09	1,149515E+09
539	1,069785E+09	9,645801E+08	8,874274E+08	8,874226E+08	9,645548E+08	1,069744E+09	1,149489E+09	1,182406E+09	1,184998E+09	1,184997E+09	1,182395E+09	1,149475E+09
540	1,069732E+09	9,645344E+08	8,873887E+08	8,873948E+08	9,645475E+08	1,069746E+09	1,149488E+09	1,182408E+09	1,185006E+09	1,185006E+09	1,182407E+09	1,149485E+09
541	1,069744E+09	9,645655E+08	8,874422E+08	8,874490E+08	9,645947E+08	1,069782E+09	1,149501E+09	1,182396E+09	1,184985E+09	1,184994E+09	1,182416E+09	1,149515E+09
542	1,069775E+09	9,645780E+08	8,874453E+08	8,874483E+08	9,645817E+08	1,069772E+09	1,149509E+09	1,182413E+09	1,184995E+09	1,184989E+09	1,182396E+09	1,149487E+09
543	1,069745E+09	9,645478E+08	8,874151E+08	8,874241E+08	9,645661E+08	1,069763E+09	1,149509E+09	1,182425E+09	1,185014E+09	1,185008E+09	1,182413E+09	1,149507E+09
544	1,069784E+09	9,646087E+08	8,874778E+08	8,874729E+08	9,646015E+08	1,069782E+09	1,149513E+09	1,182419E+09	1,185005E+09	1,185001E+09	1,182407E+09	1,149500E+09
545	1,069769E+09	9,645859E+08	8,874538E+08	8,874459E+08	9,645716E+08	1,069759E+09	1,149499E+09	1,182417E+09	1,185014E+09	1,185008E+09	1,182401E+09	1,149478E+09
546	1,069743E+09	9,645698E+08	8,874540E+08	8,874549E+08	9,645777E+08	1,069756E+09	1,149490E+09	1,182406E+09	1,185007E+09	1,185012E+09	1,182422E+09	1,149516E+09
547	1,069792E+09	9,646114E+08	8,874816E+08	8,874832E+08	9,646073E+08	1,069773E+09	1,149491E+09	1,182398E+09	1,184997E+09	1,185006E+09	1,182411E+09	1,149493E+09
548	1,069749E+09	9,645559E+08	8,874199E+08	8,874214E+08	9,645669E+08	1,069763E+09	1,149499E+09	1,182409E+09	1,184999E+09	1,184998E+09	1,182406E+09	1,149493E+09
549	1,069752E+09	9,645649E+08	8,874398E+08	8,874439E+08	9,645856E+08	1,069779E+09	1,149509E+09	1,182405E+09	1,184985E+09	1,184983E+09	1,182403E+09	1,149514E+09
550	1,069789E+09	9,645892E+08	8,874441E+08	8,874389E+08	9,645704E+08	1,069763E+09	1,149506E+09	1,182416E+09	1,184997E+09	1,184985E+09	1,182385E+09	1,149473E+09
551	1,069734E+09	9,645350E+08	8,873887E+08	8,873873E+08	9,645339E+08	1,069739E+09	1,149493E+09	1,182419E+09	1,185014E+09	1,185009E+09	1,182409E+09	1,149489E+09
552	1,069749E+09	9,645647E+08	8,874324E+08	8,874303E+08	9,645738E+08	1,069768E+09	1,149500E+09	1,182403E+09	1,184992E+09	1,184996E+09	1,182411E+09	1,149502E+09
553	1,069752E+09	9,645439E+08	8,874022E+08	8,874017E+08	9,645467E+08	1,069753E+09	1,149496E+09	1,182405E+09	1,184995E+09	1,184993E+09	1,182398E+09	1,149479E+09
554	1,069726E+09	9,645169E+08	8,873767E+08	8,873845E+08	9,645347E+08	1,069741E+09	1,149489E+09	1,182403E+09	1,184991E+09	1,184994E+09	1,182413E+09	1,149514E+09
555	1,069782E+09	9,645806E+08	8,874283E+08	8,874258E+08	9,645699E+08	1,069760E+09	1,149493E+09	1,182400E+09	1,184988E+09	1,184989E+09	1,182399E+09	1,149492E+09
556	1,069750E+09	9,645473E+08	8,873963E+08	8,873856E+08	9,645332E+08	1,069744E+09	1,149494E+09	1,182410E+09	1,185000E+09	1,184993E+09	1,182394E+09	1,149478E+09
557	1,069736E+09	9,645501E+08	8,874276E+08	8,874302E+08	9,645649E+08	1,069755E+09	1,149490E+09	1,182398E+09	1,184988E+09	1,184989E+09	1,182401E+09	1,149504E+09
558	1,069783E+09	9,645967E+08	8,874635E+08	8,874656E+08	9,645931E+08	1,069768E+09	1,149493E+09	1,182401E+09	1,184994E+09	1,184993E+09	1,182395E+09	1,149478E+09
559	1,069736E+09	9,645480E+08	8,874176E+08	8,874241E+08	9,645678E+08	1,069758E+09	1,149494E+09	1,182410E+09	1,185009E+09	1,185010E+09	1,182413E+09	1,149494E+09
560	1,069757E+09	9,645835E+08	8,874702E+08	8,874764E+08	9,646110E+08	1,069793E+09	1,149515E+09	1,182409E+09	1,184992E+09	1,184992E+09	1,182407E+09	1,149512E+09
561	1,069786E+09	9,646000E+08	8,874736E+08	8,874735E+08	9,645985E+08	1,069781E+09	1,149514E+09	1,182424E+09	1,185011E+09	1,184999E+09	1,182392E+09	1,149476E+09
562	1,069749E+09	9,645760E+08	8,874547E+08	8,874527E+08	9,645735E+08	1,069754E+09	1,149495E+09	1,182419E+09	1,185018E+09	1,185014E+09	1,182413E+09	1,149505E+09
563	1,069792E+09	9,646338E+08	8,875181E+08	8,875118E+08	9,646214E+08	1,069777E+09	1,149493E+09	1,182406E+09	1,185011E+09	1,185014E+09	1,182412E+09	1,149497E+09
564	1,069770E+09	9,646002E+08	8,874842E+08	8,874787E+08	9,645937E+08	1,069764E+09	1,149490E+09	1,182408E+09	1,185014E+09	1,185016E+09	1,182410E+09	1,149485E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
565	1,069750E+09	9,645790E+08	8,874757E+08	8,874876E+08	9,646079E+08	1,069771E+09	1,149486E+09	1,182391E+09	1,184991E+09	1,185001E+09	1,182414E+09	1,149516E+09
566	1,069803E+09	9,646316E+08	8,875061E+08	8,875069E+08	9,646283E+08	1,069791E+09	1,149502E+09	1,182400E+09	1,184989E+09	1,184988E+09	1,182397E+09	1,149492E+09
567	1,069760E+09	9,645787E+08	8,874486E+08	8,874406E+08	9,645714E+08	1,069762E+09	1,149500E+09	1,182416E+09	1,185008E+09	1,184999E+09	1,182398E+09	1,149487E+09
568	1,069758E+09	9,645854E+08	8,874725E+08	8,874711E+08	9,645931E+08	1,069776E+09	1,149509E+09	1,182412E+09	1,184995E+09	1,184986E+09	1,182392E+09	1,149496E+09
569	1,069781E+09	9,645991E+08	8,874714E+08	8,874711E+08	9,645919E+08	1,069768E+09	1,149501E+09	1,182416E+09	1,185009E+09	1,185000E+09	1,182388E+09	1,149461E+09
570	1,069725E+09	9,645455E+08	8,874159E+08	8,874161E+08	9,645521E+08	1,069741E+09	1,149480E+09	1,182402E+09	1,185006E+09	1,185012E+09	1,182416E+09	1,149496E+09
571	1,069757E+09	9,645783E+08	8,874560E+08	8,874568E+08	9,645930E+08	1,069775E+09	1,149493E+09	1,182394E+09	1,184990E+09	1,184999E+09	1,182413E+09	1,149506E+09
572	1,069763E+09	9,645605E+08	8,874244E+08	8,874221E+08	9,645592E+08	1,069758E+09	1,149500E+09	1,182410E+09	1,185000E+09	1,184996E+09	1,182398E+09	1,149483E+09
573	1,069740E+09	9,645371E+08	8,874043E+08	8,874148E+08	9,645558E+08	1,069746E+09	1,149483E+09	1,182396E+09	1,184989E+09	1,184988E+09	1,182400E+09	1,149505E+09
574	1,069791E+09	9,646097E+08	8,874686E+08	8,874616E+08	9,645913E+08	1,069769E+09	1,149494E+09	1,182400E+09	1,184988E+09	1,184984E+09	1,182393E+09	1,149486E+09
575	1,069752E+09	9,645687E+08	8,874364E+08	8,874244E+08	9,645522E+08	1,069743E+09	1,149485E+09	1,182407E+09	1,185006E+09	1,185002E+09	1,182400E+09	1,149479E+09
576	1,069739E+09	9,645645E+08	8,874602E+08	8,874683E+08	9,645922E+08	1,069769E+09	1,149494E+09	1,182396E+09	1,184988E+09	1,184990E+09	1,182399E+09	1,149500E+09
577	1,069784E+09	9,646088E+08	8,874895E+08	8,874979E+08	9,646221E+08	1,069790E+09	1,149505E+09	1,182405E+09	1,184997E+09	1,184996E+09	1,182394E+09	1,149473E+09
578	1,069743E+09	9,645712E+08	8,874487E+08	8,874490E+08	9,645786E+08	1,069760E+09	1,149493E+09	1,182409E+09	1,185008E+09	1,185006E+09	1,182408E+09	1,149496E+09
579	1,069773E+09	9,646136E+08	8,875064E+08	8,875056E+08	9,646230E+08	1,069790E+09	1,149506E+09	1,182411E+09	1,185007E+09	1,185002E+09	1,182402E+09	1,149503E+09
580	1,069792E+09	9,646262E+08	8,875120E+08	8,875055E+08	9,646103E+08	1,069775E+09	1,149504E+09	1,182425E+09	1,185026E+09	1,185015E+09	1,182397E+09	1,149473E+09
581	1,069752E+09	9,645919E+08	8,874885E+08	8,874963E+08	9,646035E+08	1,069755E+09	1,149477E+09	1,182401E+09	1,185013E+09	1,185016E+09	1,182414E+09	1,149502E+09
582	1,069796E+09	9,646537E+08	8,875524E+08	8,875508E+08	9,646535E+08	1,069795E+09	1,149493E+09	1,182395E+09	1,184998E+09	1,185006E+09	1,182414E+09	1,149505E+09
583	1,069778E+09	9,646164E+08	8,875123E+08	8,875070E+08	9,646100E+08	1,069771E+09	1,149492E+09	1,182406E+09	1,185010E+09	1,185011E+09	1,182409E+09	1,149491E+09
584	1,069762E+09	9,645968E+08	8,875003E+08	8,875117E+08	9,646231E+08	1,069784E+09	1,149500E+09	1,182400E+09	1,184993E+09	1,184992E+09	1,182398E+09	1,149503E+09
585	1,069806E+09	9,646500E+08	8,875321E+08	8,875310E+08	9,646447E+08	1,069802E+09	1,149510E+09	1,182410E+09	1,185001E+09	1,184994E+09	1,182387E+09	1,149472E+09
586	1,069755E+09	9,645980E+08	8,874793E+08	8,874647E+08	9,645764E+08	1,069754E+09	1,149489E+09	1,182412E+09	1,185014E+09	1,185008E+09	1,182400E+09	1,149481E+09
587	1,069757E+09	9,645983E+08	8,874988E+08	8,875019E+08	9,646107E+08	1,069773E+09	1,149492E+09	1,182404E+09	1,185007E+09	1,185004E+09	1,182401E+09	1,149494E+09
588	1,069778E+09	9,646050E+08	8,874892E+08	8,874943E+08	9,646088E+08	1,069773E+09	1,149494E+09	1,182408E+09	1,185011E+09	1,185011E+09	1,182403E+09	1,149473E+09
589	1,069734E+09	9,645526E+08	8,874312E+08	8,874420E+08	9,645737E+08	1,069749E+09	1,149475E+09	1,182388E+09	1,184990E+09	1,185001E+09	1,182412E+09	1,149502E+09
590	1,069775E+09	9,646048E+08	8,874836E+08	8,874802E+08	9,646073E+08	1,069785E+09	1,149498E+09	1,182392E+09	1,184978E+09	1,184982E+09	1,182403E+09	1,149508E+09
591	1,069777E+09	9,645902E+08	8,874607E+08	8,874485E+08	9,645648E+08	1,069752E+09	1,149494E+09	1,182410E+09	1,185003E+09	1,184994E+09	1,182390E+09	1,149477E+09
592	1,069748E+09	9,645647E+08	8,874456E+08	8,874523E+08	9,645733E+08	1,069750E+09	1,149483E+09	1,182396E+09	1,184992E+09	1,184988E+09	1,182386E+09	1,149484E+09
593	1,069784E+09	9,646266E+08	8,875052E+08	8,875043E+08	9,646240E+08	1,069785E+09	1,149495E+09	1,182399E+09	1,184995E+09	1,184993E+09	1,182390E+09	1,149470E+09
594	1,069745E+09	9,645842E+08	8,874691E+08	8,874613E+08	9,645777E+08	1,069754E+09	1,149482E+09	1,182400E+09	1,185003E+09	1,185005E+09	1,182403E+09	1,149482E+09
595	1,069747E+09	9,645804E+08	8,874867E+08	8,875008E+08	9,646162E+08	1,069781E+09	1,149496E+09	1,182401E+09	1,184999E+09	1,184997E+09	1,182399E+09	1,149499E+09
596	1,069791E+09	9,646253E+08	8,875137E+08	8,875220E+08	9,646366E+08	1,069796E+09	1,149512E+09	1,182418E+09	1,185013E+09	1,185008E+09	1,182399E+09	1,149477E+09
597	1,069755E+09	9,645925E+08	8,874800E+08	8,874822E+08	9,645962E+08	1,069760E+09	1,149485E+09	1,182405E+09	1,185011E+09	1,185011E+09	1,182405E+09	1,149492E+09
598	1,069785E+09	9,646453E+08	8,875485E+08	8,875415E+08	9,646385E+08	1,069790E+09	1,149499E+09	1,182406E+09	1,185006E+09	1,185005E+09	1,182407E+09	1,149506E+09
599	1,069797E+09	9,646497E+08	8,875521E+08	8,875450E+08	9,646293E+08	1,069770E+09	1,149487E+09	1,182412E+09	1,185026E+09	1,185025E+09	1,182408E+09	1,149481E+09
600	1,069762E+09	9,646118E+08	8,875213E+08	8,875327E+08	9,646312E+08	1,069771E+09	1,149476E+09	1,182387E+09	1,185000E+09	1,185008E+09	1,182407E+09	1,149498E+09

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°
601	1,069800E+09	9,646689E+08	8,875776E+08	8,875807E+08	9,646800E+08	1,069816E+09	1,149504E+09	1,182395E+09	1,184991E+09	1,184996E+09	1,182402E+09	1,149495E+09
602	1,069784E+09	9,646394E+08	8,875406E+08	8,875318E+08	9,646221E+08	1,069775E+09	1,149494E+09	1,182406E+09	1,185005E+09	1,185000E+09	1,182395E+09	1,149484E+09
603	1,069770E+09	9,646201E+08	8,875299E+08	8,875382E+08	9,646346E+08	1,069781E+09	1,149495E+09	1,182407E+09	1,185009E+09	1,184999E+09	1,182387E+09	1,149485E+09
604	1,069798E+09	9,646626E+08	8,875589E+08	8,875577E+08	9,646567E+08	1,069800E+09	1,149507E+09	1,182416E+09	1,185017E+09	1,185011E+09	1,182395E+09	1,149467E+09
605	1,069749E+09	9,646027E+08	8,875011E+08	8,874988E+08	9,646005E+08	1,069756E+09	1,149476E+09	1,182398E+09	1,185010E+09	1,185013E+09	1,182405E+09	1,149482E+09
606	1,069760E+09	9,646117E+08	8,875207E+08	8,875267E+08	9,646307E+08	1,069785E+09	1,149494E+09	1,182397E+09	1,184995E+09	1,184999E+09	1,182409E+09	1,149507E+09
607	1,069788E+09	9,646203E+08	8,875102E+08	8,875142E+08	9,646177E+08	1,069773E+09	1,149493E+09	1,182408E+09	1,185010E+09	1,185010E+09	1,182406E+09	1,149484E+09
608	1,069753E+09	9,645769E+08	8,874561E+08	8,874633E+08	9,645863E+08	1,069758E+09	1,149481E+09	1,182390E+09	1,184989E+09	1,184991E+09	1,182396E+09	1,149491E+09
609	1,069782E+09	9,646310E+08	8,875174E+08	8,875098E+08	9,646241E+08	1,069792E+09	1,149502E+09	1,182398E+09	1,184986E+09	1,184984E+09	1,182391E+09	1,149489E+09
610	1,069776E+09	9,646169E+08	8,875015E+08	8,874856E+08	9,645789E+08	1,069747E+09	1,149483E+09	1,182404E+09	1,185004E+09	1,184998E+09	1,182389E+09	1,149470E+09
611	1,069748E+09	9,645824E+08	8,874805E+08	8,874943E+08	9,646013E+08	1,069754E+09	1,149472E+09	1,182393E+09	1,185004E+09	1,185001E+09	1,182390E+09	1,149477E+09
612	1,069777E+09	9,646345E+08	8,875293E+08	8,875364E+08	9,646508E+08	1,069800E+09	1,149499E+09	1,182398E+09	1,185000E+09	1,185005E+09	1,182401E+09	1,149478E+09
613	1,069751E+09	9,645933E+08	8,874895E+08	8,874924E+08	9,646022E+08	1,069765E+09	1,149484E+09	1,182395E+09	1,184997E+09	1,185000E+09	1,182400E+09	1,149486E+09
614	1,069764E+09	9,646095E+08	8,875176E+08	8,875266E+08	9,646309E+08	1,069788E+09	1,149502E+09	1,182406E+09	1,184998E+09	1,184992E+09	1,182398E+09	1,149504E+09
615	1,069804E+09	9,646561E+08	8,875525E+08	8,875516E+08	9,646424E+08	1,069785E+09	1,149500E+09	1,182419E+09	1,185023E+09	1,185016E+09	1,182400E+09	1,149478E+09
616	1,069766E+09	9,646219E+08	8,875225E+08	8,875211E+08	9,646161E+08	1,069762E+09	1,149477E+09	1,182397E+09	1,185010E+09	1,185012E+09	1,182400E+09	1,149482E+09
617	1,069784E+09	9,646666E+08	8,875885E+08	8,875865E+08	9,646716E+08	1,069802E+09	1,149494E+09	1,182396E+09	1,185003E+09	1,185008E+09	1,182406E+09	1,149497E+09
618	1,069797E+09	9,646697E+08	8,875857E+08	8,875816E+08	9,646539E+08	1,069779E+09	1,149483E+09	1,182399E+09	1,185012E+09	1,185016E+09	1,182406E+09	1,149485E+09
619	1,069772E+09	9,646313E+08	8,875490E+08	8,875645E+08	9,646556E+08	1,069782E+09	1,149479E+09	1,182392E+09	1,185006E+09	1,185005E+09	1,182397E+09	1,149490E+09
620	1,069802E+09	9,646841E+08	8,875998E+08	8,876024E+08	9,646953E+08	1,069826E+09	1,149514E+09	1,182409E+09	1,185005E+09	1,185002E+09	1,182397E+09	1,149489E+09
621	1,069786E+09	9,646528E+08	8,875654E+08	8,875597E+08	9,646372E+08	1,069776E+09	1,149491E+09	1,182408E+09	1,185012E+09	1,185003E+09	1,182388E+09	1,149474E+09
622	1,069771E+09	9,646403E+08	8,875598E+08	8,875657E+08	9,646478E+08	1,069781E+09	1,149492E+09	1,182408E+09	1,185012E+09	1,185006E+09	1,182396E+09	1,149488E+09
623	1,069795E+09	9,646723E+08	8,875830E+08	8,875843E+08	9,646693E+08	1,069794E+09	1,149492E+09	1,182408E+09	1,185022E+09	1,185024E+09	1,182411E+09	1,149480E+09
624	1,069758E+09	9,646161E+08	8,875217E+08	8,875209E+08	9,646192E+08	1,069768E+09	1,149476E+09	1,182386E+09	1,184998E+09	1,185007E+09	1,182404E+09	1,149485E+09
625	1,069769E+09	9,646301E+08	8,875439E+08	8,875485E+08	9,646465E+08	1,069795E+09	1,149499E+09	1,182395E+09	1,184990E+09	1,184992E+09	1,182399E+09	1,149502E+09
626	1,069800E+09	9,646496E+08	8,875412E+08	8,875370E+08	9,646247E+08	1,069768E+09	1,149486E+09	1,182403E+09	1,185004E+09	1,185000E+09	1,182393E+09	1,149479E+09
627	1,069765E+09	9,646073E+08	8,874945E+08	8,874971E+08	9,646021E+08	1,069753E+09	1,149470E+09	1,182392E+09	1,185002E+09	1,184994E+09	1,182383E+09	1,149472E+09
628	1,069774E+09	9,646461E+08	8,875508E+08	8,875468E+08	9,646472E+08	1,069796E+09	1,149499E+09	1,182400E+09	1,184997E+09	1,184996E+09	1,182394E+09	1,149482E+09
629	1,069768E+09	9,646233E+08	8,875306E+08	8,875294E+08	9,646143E+08	1,069759E+09	1,149477E+09	1,182393E+09	1,184999E+09	1,184999E+09	1,182390E+09	1,149469E+09
630	1,069749E+09	9,645975E+08	8,875072E+08	8,875248E+08	9,646275E+08	1,069772E+09	1,149482E+09	1,182392E+09	1,184996E+09	1,184998E+09	1,182398E+09	1,149487E+09
631	1,069782E+09	9,646480E+08	8,875527E+08	8,875609E+08	9,646653E+08	1,069805E+09	1,149503E+09	1,182405E+09	1,185008E+09	1,185010E+09	1,182407E+09	1,149489E+09
632	1,069769E+09	9,646203E+08	8,875188E+08	8,875160E+08	9,646179E+08	1,069775E+09	1,149489E+09	1,182398E+09	1,185002E+09	1,184999E+09	1,182391E+09	1,149478E+09
633	1,069772E+09	9,646390E+08	8,875564E+08	8,875577E+08	9,646452E+08	1,069789E+09	1,149501E+09	1,182409E+09	1,185008E+09	1,185000E+09	1,182392E+09	1,149493E+09
634	1,069809E+09	9,646861E+08	8,875961E+08	8,875910E+08	9,646584E+08	1,069776E+09	1,149483E+09	1,182407E+09	1,185022E+09	1,185020E+09	1,182404E+09	1,149480E+09
635	1,069774E+09	9,646460E+08	8,875622E+08	8,875655E+08	9,646461E+08	1,069764E+09	1,149462E+09	1,182387E+09	1,185013E+09	1,185015E+09	1,182399E+09	1,149478E+09
636	1,069783E+09	9,646792E+08	8,876158E+08	8,876202E+08	9,647000E+08	1,069818E+09	1,149499E+09	1,182393E+09	1,184999E+09	1,185007E+09	1,182407E+09	1,149501E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
637	1,069805E+09	9,646827E+08	8,876112E+08	8,876147E+08	9,646793E+08	1,069791E+09	1,149486E+09	1,182395E+09	1,185002E+09	1,185002E+09	1,182392E+09	1,149479E+09
638	1,069782E+09	9,646587E+08	8,875803E+08	8,875890E+08	9,646702E+08	1,069790E+09	1,149488E+09	1,182400E+09	1,185007E+09	1,185000E+09	1,182389E+09	1,149483E+09
639	1,069802E+09	9,647033E+08	8,876320E+08	8,876285E+08	9,647028E+08	1,069818E+09	1,149508E+09	1,182415E+09	1,185021E+09	1,185015E+09	1,182398E+09	1,149484E+09
640	1,069788E+09	9,646705E+08	8,875952E+08	8,875883E+08	9,646563E+08	1,069781E+09	1,149486E+09	1,182404E+09	1,185017E+09	1,185010E+09	1,182388E+09	1,149465E+09
641	1,069766E+09	9,646518E+08	8,875862E+08	8,875954E+08	9,646713E+08	1,069790E+09	1,149489E+09	1,182404E+09	1,185014E+09	1,185013E+09	1,182400E+09	1,149488E+09
642	1,069799E+09	9,646866E+08	8,876058E+08	8,876072E+08	9,646829E+08	1,069795E+09	1,149486E+09	1,182397E+09	1,185012E+09	1,185020E+09	1,182414E+09	1,149492E+09
643	1,069774E+09	9,646356E+08	8,875462E+08	8,875453E+08	9,646350E+08	1,069770E+09	1,149473E+09	1,182390E+09	1,185004E+09	1,185003E+09	1,182395E+09	1,149481E+09
644	1,069776E+09	9,646489E+08	8,875690E+08	8,875704E+08	9,646600E+08	1,069799E+09	1,149501E+09	1,182401E+09	1,184997E+09	1,184995E+09	1,182395E+09	1,149497E+09
645	1,069804E+09	9,646667E+08	8,875729E+08	8,875696E+08	9,646421E+08	1,069767E+09	1,149479E+09	1,182397E+09	1,185003E+09	1,184998E+09	1,182384E+09	1,149468E+09
646	1,069766E+09	9,646295E+08	8,875310E+08	8,875329E+08	9,646254E+08	1,069758E+09	1,149467E+09	1,182389E+09	1,185000E+09	1,184999E+09	1,182390E+09	1,149471E+09
647	1,069768E+09	9,646541E+08	8,875777E+08	8,875795E+08	9,646702E+08	1,069800E+09	1,149491E+09	1,182394E+09	1,185001E+09	1,185005E+09	1,182403E+09	1,149490E+09
648	1,069776E+09	9,646357E+08	8,875511E+08	8,875530E+08	9,646399E+08	1,069780E+09	1,149485E+09	1,182389E+09	1,184992E+09	1,184993E+09	1,182386E+09	1,149469E+09
649	1,069757E+09	9,646174E+08	8,875339E+08	8,875483E+08	9,646450E+08	1,069784E+09	1,149492E+09	1,182400E+09	1,184999E+09	1,184994E+09	1,182388E+09	1,149483E+09
650	1,069796E+09	9,646773E+08	8,875864E+08	8,875844E+08	9,646707E+08	1,069797E+09	1,149495E+09	1,182404E+09	1,185010E+09	1,185008E+09	1,182400E+09	1,149488E+09
651	1,069783E+09	9,646533E+08	8,875632E+08	8,875539E+08	9,646335E+08	1,069765E+09	1,149474E+09	1,182400E+09	1,185016E+09	1,185007E+09	1,182384E+09	1,149465E+09
652	1,069770E+09	9,646605E+08	8,875969E+08	8,875995E+08	9,646709E+08	1,069790E+09	1,149489E+09	1,182403E+09	1,185014E+09	1,185012E+09	1,182399E+09	1,149491E+09
653	1,069807E+09	9,646990E+08	8,876321E+08	8,876367E+08	9,646931E+08	1,069787E+09	1,149473E+09	1,182390E+09	1,185010E+09	1,185015E+09	1,182401E+09	1,149480E+09
654	1,069781E+09	9,646678E+08	8,875967E+08	8,876017E+08	9,646759E+08	1,069783E+09	1,149470E+09	1,182384E+09	1,185002E+09	1,185008E+09	1,182399E+09	1,149482E+09
655	1,069788E+09	9,646943E+08	8,876425E+08	8,876481E+08	9,647182E+08	1,069826E+09	1,149504E+09	1,182402E+09	1,185008E+09	1,185008E+09	1,182403E+09	1,149503E+09
656	1,069817E+09	9,647067E+08	8,876394E+08	8,876375E+08	9,646984E+08	1,069806E+09	1,149495E+09	1,182403E+09	1,185010E+09	1,185001E+09	1,182380E+09	1,149465E+09
657	1,069782E+09	9,646810E+08	8,876158E+08	8,876172E+08	9,646839E+08	1,069793E+09	1,149490E+09	1,182409E+09	1,185022E+09	1,185012E+09	1,182387E+09	1,149472E+09
658	1,069800E+09	9,647193E+08	8,876633E+08	8,876586E+08	9,647158E+08	1,069810E+09	1,149491E+09	1,182407E+09	1,185026E+09	1,185026E+09	1,182409E+09	1,149491E+09
659	1,069794E+09	9,646851E+08	8,876229E+08	8,876201E+08	9,646786E+08	1,069781E+09	1,149471E+09	1,182396E+09	1,185022E+09	1,185019E+09	1,182394E+09	1,149469E+09
660	1,069770E+09	9,646599E+08	8,876038E+08	8,876164E+08	9,646891E+08	1,069799E+09	1,149489E+09	1,182398E+09	1,185010E+09	1,185014E+09	1,182406E+09	1,149498E+09
661	1,069811E+09	9,647008E+08	8,876286E+08	8,876316E+08	9,646979E+08	1,069798E+09	1,149482E+09	1,182390E+09	1,185000E+09	1,185004E+09	1,182400E+09	1,149490E+09
662	1,069790E+09	9,646660E+08	8,875807E+08	8,875696E+08	9,646463E+08	1,069771E+09	1,149472E+09	1,182388E+09	1,184997E+09	1,184995E+09	1,182385E+09	1,149472E+09
663	1,069776E+09	9,646675E+08	8,876031E+08	8,876006E+08	9,646726E+08	1,069795E+09	1,149492E+09	1,182400E+09	1,185005E+09	1,185000E+09	1,182391E+09	1,149490E+09
664	1,069805E+09	9,646839E+08	8,876041E+08	8,876029E+08	9,646718E+08	1,069783E+09	1,149476E+09	1,182389E+09	1,185000E+09	1,184997E+09	1,182377E+09	1,149455E+09
665	1,069758E+09	9,646400E+08	8,875595E+08	8,875642E+08	9,646530E+08	1,069776E+09	1,149473E+09	1,182389E+09	1,185003E+09	1,185002E+09	1,182387E+09	1,149467E+09
666	1,069770E+09	9,646640E+08	8,875994E+08	8,876030E+08	9,646867E+08	1,069807E+09	1,149492E+09	1,182394E+09	1,185001E+09	1,185004E+09	1,182404E+09	1,149498E+09
667	1,069791E+09	9,646566E+08	8,875778E+08	8,875781E+08	9,646550E+08	1,069780E+09	1,149485E+09	1,182402E+09	1,185008E+09	1,184997E+09	1,182379E+09	1,149464E+09
668	1,069764E+09	9,646384E+08	8,875635E+08	8,875721E+08	9,646563E+08	1,069784E+09	1,149491E+09	1,182408E+09	1,185014E+09	1,185006E+09	1,182390E+09	1,149482E+09
669	1,069802E+09	9,646992E+08	8,876267E+08	8,876220E+08	9,646859E+08	1,069790E+09	1,149480E+09	1,182396E+09	1,185010E+09	1,185011E+09	1,182398E+09	1,149484E+09
670	1,069790E+09	9,646811E+08	8,876086E+08	8,875977E+08	9,646597E+08	1,069767E+09	1,149462E+09	1,182386E+09	1,185010E+09	1,185012E+09	1,182394E+09	1,149468E+09
671	1,069771E+09	9,646757E+08	8,876315E+08	8,876392E+08	9,647001E+08	1,069798E+09	1,149479E+09	1,182390E+09	1,185011E+09	1,185016E+09	1,182405E+09	1,149500E+09
672	1,069821E+09	9,647195E+08	8,876601E+08	8,876664E+08	9,647253E+08	1,069813E+09	1,149481E+09	1,182383E+09	1,184998E+09	1,185003E+09	1,182389E+09	1,149475E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
673	1,069790E+09	9,646919E+08	8,876307E+08	8,876311E+08	9,646974E+08	1,069799E+09	1,149484E+09	1,182396E+09	1,185008E+09	1,185001E+09	1,182382E+09	1,149471E+09
674	1,069797E+09	9,647184E+08	8,876758E+08	8,876752E+08	9,647283E+08	1,069822E+09	1,149500E+09	1,182407E+09	1,185017E+09	1,185010E+09	1,182395E+09	1,149495E+09
675	1,069823E+09	9,647302E+08	8,876774E+08	8,876728E+08	9,647146E+08	1,069800E+09	1,149486E+09	1,182411E+09	1,185029E+09	1,185015E+09	1,182378E+09	1,149453E+09
676	1,069775E+09	9,646914E+08	8,876451E+08	8,876500E+08	9,647056E+08	1,069797E+09	1,149483E+09	1,182406E+09	1,185031E+09	1,185029E+09	1,182400E+09	1,149476E+09
677	1,069798E+09	9,647248E+08	8,876868E+08	8,876883E+08	9,647364E+08	1,069816E+09	1,149482E+09	1,182391E+09	1,185014E+09	1,185023E+09	1,182412E+09	1,149498E+09
678	1,069806E+09	9,647036E+08	8,876485E+08	8,876448E+08	9,646966E+08	1,069791E+09	1,149474E+09	1,182389E+09	1,185010E+09	1,185014E+09	1,182397E+09	1,149476E+09
679	1,069781E+09	9,646769E+08	8,876265E+08	8,876369E+08	9,646997E+08	1,069799E+09	1,149484E+09	1,182398E+09	1,185012E+09	1,185011E+09	1,182399E+09	1,149499E+09
680	1,069827E+09	9,647258E+08	8,876543E+08	8,876500E+08	9,647129E+08	1,069809E+09	1,149483E+09	1,182388E+09	1,184999E+09	1,184997E+09	1,182383E+09	1,149473E+09
681	1,069789E+09	9,646886E+08	8,876185E+08	8,876016E+08	9,646628E+08	1,069776E+09	1,149474E+09	1,182393E+09	1,185006E+09	1,184997E+09	1,182374E+09	1,149458E+09
682	1,069772E+09	9,646790E+08	8,876322E+08	8,876329E+08	9,646907E+08	1,069792E+09	1,149479E+09	1,182393E+09	1,185007E+09	1,185006E+09	1,182393E+09	1,149488E+09
683	1,069806E+09	9,646950E+08	8,876304E+08	8,876347E+08	9,646961E+08	1,069791E+09	1,149473E+09	1,182389E+09	1,185007E+09	1,185002E+09	1,182377E+09	1,149453E+09
684	1,069758E+09	9,646476E+08	8,875786E+08	8,875859E+08	9,646703E+08	1,069788E+09	1,149480E+09	1,182393E+09	1,185006E+09	1,185007E+09	1,182391E+09	1,149472E+09
685	1,069779E+09	9,646788E+08	8,876240E+08	8,876258E+08	9,646969E+08	1,069807E+09	1,149489E+09	1,182392E+09	1,184999E+09	1,184998E+09	1,182394E+09	1,149496E+09
686	1,069806E+09	9,646886E+08	8,876171E+08	8,876079E+08	9,646671E+08	1,069778E+09	1,149478E+09	1,182398E+09	1,185011E+09	1,185003E+09	1,182380E+09	1,149459E+09
687	1,069769E+09	9,646616E+08	8,876041E+08	8,876107E+08	9,646731E+08	1,069776E+09	1,149473E+09	1,182400E+09	1,185022E+09	1,185018E+09	1,182395E+09	1,149482E+09
688	1,069810E+09	9,647230E+08	8,876642E+08	8,876623E+08	9,647205E+08	1,069806E+09	1,149472E+09	1,182381E+09	1,185003E+09	1,185010E+09	1,182395E+09	1,149478E+09
689	1,069792E+09	9,647013E+08	8,876488E+08	8,876404E+08	9,646935E+08	1,069788E+09	1,149469E+09	1,182383E+09	1,185005E+09	1,185007E+09	1,182386E+09	1,149466E+09
690	1,069779E+09	9,646927E+08	8,876613E+08	8,876722E+08	9,647237E+08	1,069811E+09	1,149484E+09	1,182391E+09	1,185008E+09	1,185011E+09	1,182399E+09	1,149501E+09
691	1,069835E+09	9,647451E+08	8,876934E+08	8,876979E+08	9,647464E+08	1,069821E+09	1,149488E+09	1,182400E+09	1,185014E+09	1,185004E+09	1,182377E+09	1,149462E+09
692	1,069791E+09	9,647111E+08	8,876613E+08	8,876575E+08	9,647114E+08	1,069805E+09	1,149489E+09	1,182408E+09	1,185027E+09	1,185017E+09	1,182385E+09	1,149466E+09
693	1,069796E+09	9,647325E+08	8,877093E+08	8,877093E+08	9,647424E+08	1,069817E+09	1,149490E+09	1,182404E+09	1,185023E+09	1,185019E+09	1,182398E+09	1,149492E+09
694	1,069827E+09	9,647497E+08	8,877115E+08	8,877082E+08	9,647354E+08	1,069800E+09	1,149473E+09	1,182397E+09	1,185027E+09	1,185027E+09	1,182394E+09	1,149460E+09
695	1,069778E+09	9,647004E+08	8,876671E+08	8,876766E+08	9,647234E+08	1,069800E+09	1,149472E+09	1,182393E+09	1,185026E+09	1,185033E+09	1,182410E+09	1,149491E+09
696	1,069817E+09	9,647449E+08	8,877065E+08	8,877066E+08	9,647555E+08	1,069832E+09	1,149484E+09	1,182380E+09	1,184998E+09	1,185007E+09	1,182400E+09	1,149495E+09
697	1,069819E+09	9,647303E+08	8,876802E+08	8,876687E+08	9,647080E+08	1,069796E+09	1,149478E+09	1,182392E+09	1,185008E+09	1,185000E+09	1,182375E+09	1,149464E+09
698	1,069791E+09	9,647016E+08	8,876589E+08	8,876630E+08	9,647078E+08	1,069793E+09	1,149475E+09	1,182395E+09	1,185014E+09	1,185008E+09	1,182386E+09	1,149485E+09
699	1,069829E+09	9,647483E+08	8,876914E+08	8,876864E+08	9,647316E+08	1,069806E+09	1,149475E+09	1,182392E+09	1,185010E+09	1,185003E+09	1,182374E+09	1,149453E+09
700	1,069776E+09	9,646943E+08	8,876442E+08	8,876355E+08	9,646886E+08	1,069788E+09	1,149473E+09	1,182392E+09	1,185013E+09	1,185010E+09	1,182382E+09	1,149456E+09
701	1,069764E+09	9,646791E+08	8,876516E+08	8,876617E+08	9,647124E+08	1,069804E+09	1,149480E+09	1,182386E+09	1,185002E+09	1,185005E+09	1,182394E+09	1,149491E+09
702	1,069813E+09	9,647089E+08	8,876530E+08	8,876589E+08	9,647129E+08	1,069801E+09	1,149479E+09	1,182389E+09	1,185006E+09	1,185007E+09	1,182385E+09	1,149458E+09
703	1,069767E+09	9,646635E+08	8,876008E+08	8,876066E+08	9,646794E+08	1,069788E+09	1,149477E+09	1,182397E+09	1,185017E+09	1,185016E+09	1,182395E+09	1,149478E+09
704	1,069797E+09	9,647083E+08	8,876538E+08	8,876476E+08	9,647101E+08	1,069813E+09	1,149485E+09	1,182388E+09	1,185001E+09	1,185001E+09	1,182388E+09	1,149486E+09
705	1,069812E+09	9,647179E+08	8,876621E+08	8,876483E+08	9,646869E+08	1,069779E+09	1,149471E+09	1,182395E+09	1,185015E+09	1,185007E+09	1,182376E+09	1,149455E+09
706	1,069775E+09	9,646823E+08	8,876415E+08	8,876528E+08	9,646994E+08	1,069778E+09	1,149457E+09	1,182384E+09	1,185017E+09	1,185020E+09	1,182398E+09	1,149486E+09
707	1,069820E+09	9,647440E+08	8,876988E+08	8,877022E+08	9,647506E+08	1,069820E+09	1,149474E+09	1,182379E+09	1,185001E+09	1,185006E+09	1,182390E+09	1,149474E+09
708	1,069796E+09	9,647179E+08	8,876779E+08	8,876731E+08	9,647184E+08	1,069807E+09	1,149482E+09	1,182391E+09	1,185007E+09	1,185005E+09	1,182382E+09	1,149464E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
709	1,069786E+09	9,647122E+08	8,876928E+08	8,877010E+08	9,647371E+08	1,069814E+09	1,149486E+09	1,182395E+09	1,185010E+09	1,185004E+09	1,182384E+09	1,149489E+09
710	1,069842E+09	9,647738E+08	8,877340E+08	8,877322E+08	9,647613E+08	1,069822E+09	1,149485E+09	1,182399E+09	1,185023E+09	1,185017E+09	1,182379E+09	1,149453E+09
711	1,069789E+09	9,647284E+08	8,876964E+08	8,876938E+08	9,647280E+08	1,069800E+09	1,149475E+09	1,182404E+09	1,185038E+09	1,185034E+09	1,182395E+09	1,149467E+09
712	1,069801E+09	9,647495E+08	8,877345E+08	8,877380E+08	9,647683E+08	1,069829E+09	1,149481E+09	1,182389E+09	1,185017E+09	1,185021E+09	1,182400E+09	1,149491E+09
713	1,069831E+09	9,647673E+08	8,877417E+08	8,877401E+08	9,647583E+08	1,069813E+09	1,149476E+09	1,182393E+09	1,185022E+09	1,185022E+09	1,182390E+09	1,149465E+09
714	1,069792E+09	9,647185E+08	8,876904E+08	8,877012E+08	9,647371E+08	1,069801E+09	1,149467E+09	1,182387E+09	1,185020E+09	1,185026E+09	1,182404E+09	1,149493E+09
715	1,069833E+09	9,647719E+08	8,877368E+08	8,877324E+08	9,647675E+08	1,069833E+09	1,149486E+09	1,182389E+09	1,185005E+09	1,185003E+09	1,182385E+09	1,149480E+09
716	1,069818E+09	9,647493E+08	8,877118E+08	8,876976E+08	9,647216E+08	1,069801E+09	1,149481E+09	1,182398E+09	1,185017E+09	1,185007E+09	1,182372E+09	1,149452E+09
717	1,069782E+09	9,647126E+08	8,876901E+08	8,876967E+08	9,647239E+08	1,069791E+09	1,149466E+09	1,182388E+09	1,185015E+09	1,185011E+09	1,182383E+09	1,149475E+09
718	1,069824E+09	9,647601E+08	8,877196E+08	8,877212E+08	9,647579E+08	1,069816E+09	1,149469E+09	1,182379E+09	1,185008E+09	1,185015E+09	1,182387E+09	1,149456E+09
719	1,069774E+09	9,646978E+08	8,876592E+08	8,876589E+08	9,647077E+08	1,069798E+09	1,149473E+09	1,182387E+09	1,185014E+09	1,185017E+09	1,182393E+09	1,149469E+09
720	1,069780E+09	9,646953E+08	8,876637E+08	8,876752E+08	9,647282E+08	1,069819E+09	1,149486E+09	1,182385E+09	1,184996E+09	1,184996E+09	1,182387E+09	1,149490E+09
721	1,069825E+09	9,647361E+08	8,876843E+08	8,876826E+08	9,647218E+08	1,069803E+09	1,149482E+09	1,182397E+09	1,185011E+09	1,185002E+09	1,182372E+09	1,149454E+09
722	1,069781E+09	9,646907E+08	8,876366E+08	8,876372E+08	9,646883E+08	1,069778E+09	1,149462E+09	1,182390E+09	1,185020E+09	1,185020E+09	1,182391E+09	1,149473E+09
723	1,069806E+09	9,647387E+08	8,876981E+08	8,876906E+08	9,647308E+08	1,069809E+09	1,149474E+09	1,182385E+09	1,185005E+09	1,185006E+09	1,182385E+09	1,149476E+09
724	1,069808E+09	9,647341E+08	8,876976E+08	8,876906E+08	9,647185E+08	1,069794E+09	1,149470E+09	1,182388E+09	1,185014E+09	1,185013E+09	1,182381E+09	1,149454E+09
725	1,069774E+09	9,646956E+08	8,876737E+08	8,876905E+08	9,647269E+08	1,069793E+09	1,149460E+09	1,182378E+09	1,185007E+09	1,185012E+09	1,182391E+09	1,149484E+09
726	1,069829E+09	9,647670E+08	8,877320E+08	8,877370E+08	9,647751E+08	1,069833E+09	1,149480E+09	1,182380E+09	1,185001E+09	1,185007E+09	1,182387E+09	1,149470E+09
727	1,069802E+09	9,647366E+08	8,877052E+08	8,877007E+08	9,647335E+08	1,069811E+09	1,149485E+09	1,182401E+09	1,185023E+09	1,185016E+09	1,182382E+09	1,149462E+09
728	1,069796E+09	9,647379E+08	8,877217E+08	8,877271E+08	9,647548E+08	1,069821E+09	1,149486E+09	1,182397E+09	1,185017E+09	1,185011E+09	1,182381E+09	1,149478E+09
729	1,069840E+09	9,647961E+08	8,877744E+08	8,877713E+08	9,647801E+08	1,069821E+09	1,149479E+09	1,182399E+09	1,185031E+09	1,185025E+09	1,182383E+09	1,149455E+09
730	1,069794E+09	9,647438E+08	8,877261E+08	8,877286E+08	9,647494E+08	1,069799E+09	1,149458E+09	1,182387E+09	1,185034E+09	1,185041E+09	1,182405E+09	1,149478E+09
731	1,069815E+09	9,647717E+08	8,877640E+08	8,877680E+08	9,647868E+08	1,069835E+09	1,149480E+09	1,182385E+09	1,185011E+09	1,185016E+09	1,182397E+09	1,149492E+09
732	1,069839E+09	9,647860E+08	8,877672E+08	8,877658E+08	9,647755E+08	1,069823E+09	1,149481E+09	1,182394E+09	1,185019E+09	1,185015E+09	1,182383E+09	1,149463E+09
733	1,069799E+09	9,647412E+08	8,877222E+08	8,877278E+08	9,647481E+08	1,069800E+09	1,149463E+09	1,182384E+09	1,185015E+09	1,185013E+09	1,182386E+09	1,149479E+09
734	1,069836E+09	9,647972E+08	8,877745E+08	8,877667E+08	9,647843E+08	1,069833E+09	1,149479E+09	1,182382E+09	1,185007E+09	1,185010E+09	1,182382E+09	1,149466E+09
735	1,069809E+09	9,647588E+08	8,877393E+08	8,877321E+08	9,647435E+08	1,069804E+09	1,149474E+09	1,182395E+09	1,185024E+09	1,185019E+09	1,182379E+09	1,149451E+09
736	1,069782E+09	9,647217E+08	8,877055E+08	8,877207E+08	9,647518E+08	1,069810E+09	1,149468E+09	1,182381E+09	1,185010E+09	1,185011E+09	1,182385E+09	1,149472E+09
737	1,069820E+09	9,647697E+08	8,877413E+08	8,877466E+08	9,647779E+08	1,069831E+09	1,149480E+09	1,182385E+09	1,185009E+09	1,185011E+09	1,182384E+09	1,149463E+09
738	1,069787E+09	9,647127E+08	8,876765E+08	8,876770E+08	9,647177E+08	1,069798E+09	1,149471E+09	1,182389E+09	1,185017E+09	1,185018E+09	1,182393E+09	1,149474E+09
739	1,069799E+09	9,647241E+08	8,876922E+08	8,876951E+08	9,647324E+08	1,069813E+09	1,149487E+09	1,182396E+09	1,185007E+09	1,185000E+09	1,182380E+09	1,149481E+09
740	1,069829E+09	9,647604E+08	8,877197E+08	8,877134E+08	9,647339E+08	1,069801E+09	1,149479E+09	1,182399E+09	1,185021E+09	1,185013E+09	1,182376E+09	1,149450E+09
741	1,069779E+09	9,647117E+08	8,876767E+08	8,876771E+08	9,647072E+08	1,069771E+09	1,149445E+09	1,182375E+09	1,185014E+09	1,185019E+09	1,182389E+09	1,149469E+09
742	1,069808E+09	9,647588E+08	8,877358E+08	8,877340E+08	9,647625E+08	1,069819E+09	1,149464E+09	1,182366E+09	1,184997E+09	1,185011E+09	1,182392E+09	1,149477E+09
743	1,069810E+09	9,647473E+08	8,877245E+08	8,877256E+08	9,647464E+08	1,069809E+09	1,149473E+09	1,182383E+09	1,185009E+09	1,185011E+09	1,182381E+09	1,149460E+09
744	1,069788E+09	9,647189E+08	8,876962E+08	8,877141E+08	9,647499E+08	1,069810E+09	1,149469E+09	1,182381E+09	1,185003E+09	1,185001E+09	1,182376E+09	1,149472E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
745	1,069833E+09	9,647943E+08	8,877709E+08	8,877702E+08	9,647921E+08	1,069839E+09	1,149487E+09	1,182392E+09	1,185013E+09	1,185005E+09	1,182373E+09	1,149461E+09
746	1,069809E+09	9,647607E+08	8,877425E+08	8,877364E+08	9,647488E+08	1,069804E+09	1,149472E+09	1,182399E+09	1,185034E+09	1,185027E+09	1,182384E+09	1,149458E+09
747	1,069801E+09	9,647627E+08	8,877609E+08	8,877662E+08	9,647748E+08	1,069819E+09	1,149478E+09	1,182397E+09	1,185025E+09	1,185021E+09	1,182386E+09	1,149474E+09
748	1,069836E+09	9,648088E+08	8,878051E+08	8,878080E+08	9,648080E+08	1,069834E+09	1,149478E+09	1,182393E+09	1,185030E+09	1,185032E+09	1,182393E+09	1,149461E+09
749	1,069797E+09	9,647589E+08	8,877557E+08	8,877593E+08	9,647693E+08	1,069807E+09	1,149457E+09	1,182378E+09	1,185021E+09	1,185030E+09	1,182400E+09	1,149482E+09
750	1,069829E+09	9,647965E+08	8,877957E+08	8,877983E+08	9,648068E+08	1,069842E+09	1,149479E+09	1,182379E+09	1,185008E+09	1,185017E+09	1,182393E+09	1,149489E+09
751	1,069847E+09	9,648066E+08	8,877942E+08	8,877908E+08	9,647901E+08	1,069826E+09	1,149481E+09	1,182398E+09	1,185027E+09	1,185019E+09	1,182378E+09	1,149458E+09
752	1,069807E+09	9,647640E+08	8,877489E+08	8,877532E+08	9,647670E+08	1,069807E+09	1,149462E+09	1,182384E+09	1,185018E+09	1,185014E+09	1,182377E+09	1,149464E+09
753	1,069828E+09	9,648116E+08	8,878080E+08	8,878031E+08	9,648071E+08	1,069837E+09	1,149477E+09	1,182385E+09	1,185013E+09	1,185012E+09	1,182380E+09	1,149466E+09
754	1,069810E+09	9,647649E+08	8,877582E+08	8,877586E+08	9,647651E+08	1,069809E+09	1,149467E+09	1,182387E+09	1,185024E+09	1,185025E+09	1,182387E+09	1,149460E+09
755	1,069792E+09	9,647377E+08	8,877255E+08	8,877390E+08	9,647633E+08	1,069817E+09	1,149477E+09	1,182388E+09	1,185009E+09	1,185009E+09	1,182383E+09	1,149473E+09
756	1,069827E+09	9,647846E+08	8,877610E+08	8,877632E+08	9,647861E+08	1,069835E+09	1,149486E+09	1,182392E+09	1,185014E+09	1,185011E+09	1,182381E+09	1,149461E+09
757	1,069794E+09	9,647371E+08	8,877094E+08	8,876998E+08	9,647228E+08	1,069788E+09	1,149460E+09	1,182385E+09	1,185017E+09	1,185014E+09	1,182382E+09	1,149466E+09
758	1,069805E+09	9,647534E+08	8,877356E+08	8,877332E+08	9,647490E+08	1,069804E+09	1,149467E+09	1,182380E+09	1,185009E+09	1,185011E+09	1,182381E+09	1,149473E+09
759	1,069825E+09	9,647754E+08	8,877525E+08	8,877521E+08	9,647600E+08	1,069803E+09	1,149466E+09	1,182388E+09	1,185021E+09	1,185020E+09	1,182382E+09	1,149452E+09
760	1,069784E+09	9,647279E+08	8,877024E+08	8,877113E+08	9,647428E+08	1,069792E+09	1,149446E+09	1,182365E+09	1,185003E+09	1,185010E+09	1,182384E+09	1,149465E+09
761	1,069808E+09	9,647750E+08	8,877682E+08	8,877702E+08	9,647907E+08	1,069837E+09	1,149477E+09	1,182373E+09	1,184994E+09	1,184998E+09	1,182381E+09	1,149479E+09
762	1,069822E+09	9,647658E+08	8,877508E+08	8,877535E+08	9,647666E+08	1,069816E+09	1,149476E+09	1,182390E+09	1,185016E+09	1,185012E+09	1,182376E+09	1,149458E+09
763	1,069801E+09	9,647493E+08	8,877321E+08	8,877406E+08	9,647606E+08	1,069812E+09	1,149477E+09	1,182396E+09	1,185018E+09	1,185008E+09	1,182370E+09	1,149460E+09
764	1,069829E+09	9,648129E+08	8,878073E+08	8,878049E+08	9,648098E+08	1,069840E+09	1,149486E+09	1,182399E+09	1,185028E+09	1,185022E+09	1,182381E+09	1,149457E+09
765	1,069805E+09	9,647787E+08	8,877807E+08	8,877749E+08	9,647703E+08	1,069800E+09	1,149455E+09	1,182386E+09	1,185033E+09	1,185034E+09	1,182390E+09	1,149463E+09
766	1,069808E+09	9,647827E+08	8,877955E+08	8,878043E+08	9,648023E+08	1,069825E+09	1,149464E+09	1,182377E+09	1,185020E+09	1,185031E+09	1,182397E+09	1,149483E+09
767	1,069846E+09	9,648246E+08	8,878295E+08	8,878351E+08	9,648287E+08	1,069844E+09	1,149479E+09	1,182389E+09	1,185024E+09	1,185028E+09	1,182394E+09	1,149472E+09
768	1,069819E+09	9,647864E+08	8,877814E+08	8,877820E+08	9,647883E+08	1,069816E+09	1,149460E+09	1,182377E+09	1,185013E+09	1,185014E+09	1,182381E+09	1,149470E+09
769	1,069835E+09	9,648248E+08	8,878361E+08	8,878316E+08	9,648228E+08	1,069845E+09	1,149481E+09	1,182386E+09	1,185013E+09	1,185006E+09	1,182374E+09	1,149478E+09
770	1,069851E+09	9,648268E+08	8,878285E+08	8,878251E+08	9,648093E+08	1,069823E+09	1,149470E+09	1,182394E+09	1,185033E+09	1,185026E+09	1,182375E+09	1,149449E+09
771	1,069806E+09	9,647819E+08	8,877804E+08	8,877839E+08	9,647866E+08	1,069812E+09	1,149463E+09	1,182387E+09	1,185024E+09	1,185021E+09	1,182378E+09	1,149456E+09
772	1,069818E+09	9,648136E+08	8,878286E+08	8,878307E+08	9,648318E+08	1,069853E+09	1,149485E+09	1,182388E+09	1,185018E+09	1,185019E+09	1,182387E+09	1,149469E+09
773	1,069809E+09	9,647745E+08	8,877791E+08	8,877784E+08	9,647770E+08	1,069811E+09	1,149465E+09	1,182385E+09	1,185021E+09	1,185020E+09	1,182384E+09	1,149463E+09
774	1,069804E+09	9,647573E+08	8,877502E+08	8,877594E+08	9,647738E+08	1,069815E+09	1,149469E+09	1,182384E+09	1,185015E+09	1,185017E+09	1,182384E+09	1,149473E+09
775	1,069835E+09	9,648034E+08	8,877868E+08	8,877832E+08	9,647939E+08	1,069831E+09	1,149480E+09	1,182392E+09	1,185022E+09	1,185019E+09	1,182384E+09	1,149463E+09
776	1,069804E+09	9,647605E+08	8,877400E+08	8,877286E+08	9,647406E+08	1,069787E+09	1,149449E+09	1,182375E+09	1,185013E+09	1,185012E+09	1,182376E+09	1,149457E+09
777	1,069803E+09	9,647722E+08	8,877752E+08	8,877760E+08	9,647782E+08	1,069811E+09	1,149458E+09	1,182371E+09	1,185004E+09	1,185006E+09	1,182379E+09	1,149477E+09
778	1,069832E+09	9,647885E+08	8,877796E+08	8,877864E+08	9,647906E+08	1,069815E+09	1,149459E+09	1,182374E+09	1,185012E+09	1,185017E+09	1,182382E+09	1,149458E+09
779	1,069798E+09	9,647506E+08	8,877321E+08	8,877380E+08	9,647618E+08	1,069807E+09	1,149462E+09	1,182374E+09	1,185001E+09	1,185001E+09	1,182372E+09	1,149458E+09
780	1,069811E+09	9,647918E+08	8,877971E+08	8,877980E+08	9,648096E+08	1,069848E+09	1,149489E+09	1,182388E+09	1,185006E+09	1,184999E+09	1,182371E+09	1,149468E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
781	1,069823E+09	9,647904E+08	8,877897E+08	8,877837E+08	9,647785E+08	1,069812E+09	1,149470E+09	1,182393E+09	1,185025E+09	1,185015E+09	1,182368E+09	1,149447E+09
782	1,069803E+09	9,647749E+08	8,877760E+08	8,877811E+08	9,647815E+08	1,069809E+09	1,149461E+09	1,182387E+09	1,185030E+09	1,185029E+09	1,182379E+09	1,149457E+09
783	1,069828E+09	9,648264E+08	8,878385E+08	8,878404E+08	9,648352E+08	1,069846E+09	1,149477E+09	1,182391E+09	1,185033E+09	1,185036E+09	1,182394E+09	1,149468E+09
784	1,069816E+09	9,647969E+08	8,878075E+08	8,878073E+08	9,648003E+08	1,069815E+09	1,149454E+09	1,182376E+09	1,185023E+09	1,185028E+09	1,182388E+09	1,149466E+09
785	1,069819E+09	9,648058E+08	8,878310E+08	8,878400E+08	9,648269E+08	1,069836E+09	1,149468E+09	1,182379E+09	1,185015E+09	1,185017E+09	1,182388E+09	1,149490E+09
786	1,069864E+09	9,648486E+08	8,878584E+08	8,878619E+08	9,648465E+08	1,069847E+09	1,149477E+09	1,182390E+09	1,185028E+09	1,185027E+09	1,182386E+09	1,149469E+09
787	1,069833E+09	9,648190E+08	8,878214E+08	8,878102E+08	9,647990E+08	1,069820E+09	1,149468E+09	1,182387E+09	1,185022E+09	1,185015E+09	1,182370E+09	1,149454E+09
788	1,069827E+09	9,648389E+08	8,878710E+08	8,878669E+08	9,648419E+08	1,069847E+09	1,149480E+09	1,182392E+09	1,185025E+09	1,185017E+09	1,182374E+09	1,149465E+09
789	1,069840E+09	9,648370E+08	8,878587E+08	8,878578E+08	9,648310E+08	1,069826E+09	1,149458E+09	1,182384E+09	1,185032E+09	1,185031E+09	1,182379E+09	1,149449E+09
790	1,069807E+09	9,647927E+08	8,878051E+08	8,878119E+08	9,648091E+08	1,069821E+09	1,149454E+09	1,182373E+09	1,185022E+09	1,185031E+09	1,182386E+09	1,149462E+09
791	1,069823E+09	9,648192E+08	8,878399E+08	8,878434E+08	9,648425E+08	1,069860E+09	1,149487E+09	1,182388E+09	1,185018E+09	1,185019E+09	1,182390E+09	1,149478E+09
792	1,069827E+09	9,647946E+08	8,877973E+08	8,877936E+08	9,647872E+08	1,069812E+09	1,149463E+09	1,182384E+09	1,185018E+09	1,185011E+09	1,182370E+09	1,149456E+09
793	1,069812E+09	9,647833E+08	8,877877E+08	8,877899E+08	9,647848E+08	1,069809E+09	1,149460E+09	1,182382E+09	1,185017E+09	1,185011E+09	1,182373E+09	1,149470E+09
794	1,069842E+09	9,648230E+08	8,878205E+08	8,878168E+08	9,648119E+08	1,069825E+09	1,149462E+09	1,182381E+09	1,185022E+09	1,185024E+09	1,182384E+09	1,149459E+09
795	1,069809E+09	9,647825E+08	8,877769E+08	8,877637E+08	9,647640E+08	1,069798E+09	1,149451E+09	1,182370E+09	1,185008E+09	1,185010E+09	1,182372E+09	1,149449E+09
796	1,069797E+09	9,647798E+08	8,878024E+08	8,878101E+08	9,648083E+08	1,069832E+09	1,149469E+09	1,182374E+09	1,185003E+09	1,185003E+09	1,182374E+09	1,149471E+09
797	1,069834E+09	9,648045E+08	8,878076E+08	8,878137E+08	9,648114E+08	1,069826E+09	1,149464E+09	1,182377E+09	1,185012E+09	1,185010E+09	1,182371E+09	1,149454E+09
798	1,069808E+09	9,647740E+08	8,877649E+08	8,877662E+08	9,647791E+08	1,069812E+09	1,149459E+09	1,182379E+09	1,185017E+09	1,185015E+09	1,182370E+09	1,149451E+09
799	1,069814E+09	9,648082E+08	8,878255E+08	8,878229E+08	9,648214E+08	1,069849E+09	1,149490E+09	1,182397E+09	1,185024E+09	1,185016E+09	1,182378E+09	1,149468E+09
800	1,069830E+09	9,648112E+08	8,878230E+08	8,878186E+08	9,647992E+08	1,069810E+09	1,149459E+09	1,182388E+09	1,185031E+09	1,185024E+09	1,182371E+09	1,149445E+09
801	1,069805E+09	9,647944E+08	8,878164E+08	8,878248E+08	9,648096E+08	1,069813E+09	1,149449E+09	1,182377E+09	1,185028E+09	1,185030E+09	1,182387E+09	1,149471E+09
802	1,069843E+09	9,648451E+08	8,878683E+08	8,878732E+08	9,648598E+08	1,069854E+09	1,149468E+09	1,182376E+09	1,185024E+09	1,185035E+09	1,182399E+09	1,149480E+09
803	1,069839E+09	9,648290E+08	8,878438E+08	8,878349E+08	9,648147E+08	1,069825E+09	1,149463E+09	1,182378E+09	1,185016E+09	1,185016E+09	1,182375E+09	1,149459E+09
804	1,069827E+09	9,648311E+08	8,878680E+08	8,878733E+08	9,648471E+08	1,069845E+09	1,149473E+09	1,182386E+09	1,185021E+09	1,185013E+09	1,182371E+09	1,149473E+09
805	1,069865E+09	9,648769E+08	8,879010E+08	8,878970E+08	9,648626E+08	1,069844E+09	1,149465E+09	1,182385E+09	1,185030E+09	1,185025E+09	1,182372E+09	1,149452E+09
806	1,069829E+09	9,648382E+08	8,878612E+08	8,878516E+08	9,648239E+08	1,069821E+09	1,149452E+09	1,182378E+09	1,185032E+09	1,185032E+09	1,182373E+09	1,149444E+09
807	1,069817E+09	9,648399E+08	8,878909E+08	8,878964E+08	9,648679E+08	1,069861E+09	1,149481E+09	1,182389E+09	1,185029E+09	1,185028E+09	1,182385E+09	1,149471E+09
808	1,069843E+09	9,648423E+08	8,878732E+08	8,878804E+08	9,648529E+08	1,069839E+09	1,149462E+09	1,182380E+09	1,185027E+09	1,185027E+09	1,182377E+09	1,149451E+09
809	1,069814E+09	9,648068E+08	8,878279E+08	8,878349E+08	9,648232E+08	1,069828E+09	1,149459E+09	1,182377E+09	1,185022E+09	1,185023E+09	1,182382E+09	1,149471E+09
810	1,069841E+09	9,648393E+08	8,878598E+08	8,878582E+08	9,648482E+08	1,069857E+09	1,149480E+09	1,182387E+09	1,185023E+09	1,185023E+09	1,182387E+09	1,149479E+09
811	1,069844E+09	9,648256E+08	8,878325E+08	8,878155E+08	9,647900E+08	1,069809E+09	1,149463E+09	1,182386E+09	1,185022E+09	1,185013E+09	1,182363E+09	1,149444E+09
812	1,069809E+09	9,647991E+08	8,878226E+08	8,878274E+08	9,648061E+08	1,069810E+09	1,149452E+09	1,182378E+09	1,185021E+09	1,185016E+09	1,182371E+09	1,149460E+09
813	1,069838E+09	9,648383E+08	8,878524E+08	8,878517E+08	9,648368E+08	1,069831E+09	1,149449E+09	1,182364E+09	1,185013E+09	1,185021E+09	1,182382E+09	1,149458E+09
814	1,069814E+09	9,647982E+08	8,878070E+08	8,877975E+08	9,647907E+08	1,069813E+09	1,149447E+09	1,182360E+09	1,185006E+09	1,185014E+09	1,182372E+09	1,149448E+09
815	1,069802E+09	9,647899E+08	8,878207E+08	8,878305E+08	9,648245E+08	1,069846E+09	1,149481E+09	1,182383E+09	1,185009E+09	1,185003E+09	1,182369E+09	1,149470E+09
816	1,069844E+09	9,648254E+08	8,878340E+08	8,878387E+08	9,648263E+08	1,069831E+09	1,149466E+09	1,182384E+09	1,185019E+09	1,185008E+09	1,182359E+09	1,149442E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
817	1,069811E+09	9,647998E+08	8,878074E+08	8,878046E+08	9,647955E+08	1,069810E+09	1,149452E+09	1,182381E+09	1,185027E+09	1,185020E+09	1,182370E+09	1,149451E+09
818	1,069820E+09	9,648274E+08	8,878584E+08	8,878582E+08	9,648412E+08	1,069846E+09	1,149473E+09	1,182388E+09	1,185031E+09	1,185032E+09	1,182389E+09	1,149473E+09
819	1,069841E+09	9,648367E+08	8,878615E+08	8,878551E+08	9,648221E+08	1,069822E+09	1,149460E+09	1,182381E+09	1,185028E+09	1,185027E+09	1,182375E+09	1,149447E+09
820	1,069810E+09	9,648111E+08	8,878502E+08	8,878633E+08	9,648376E+08	1,069827E+09	1,149453E+09	1,182374E+09	1,185024E+09	1,185027E+09	1,182383E+09	1,149470E+09
821	1,069853E+09	9,648707E+08	8,879026E+08	8,879046E+08	9,648789E+08	1,069860E+09	1,149465E+09	1,182372E+09	1,185019E+09	1,185026E+09	1,182388E+09	1,149476E+09
822	1,069852E+09	9,648597E+08	8,878850E+08	8,878713E+08	9,648355E+08	1,069831E+09	1,149457E+09	1,182375E+09	1,185025E+09	1,185023E+09	1,182366E+09	1,149447E+09
823	1,069827E+09	9,648482E+08	8,878988E+08	8,879028E+08	9,648631E+08	1,069849E+09	1,149474E+09	1,182391E+09	1,185033E+09	1,185023E+09	1,182371E+09	1,149464E+09
824	1,069863E+09	9,648904E+08	8,879306E+08	8,879333E+08	9,648876E+08	1,069849E+09	1,149459E+09	1,182380E+09	1,185033E+09	1,185029E+09	1,182372E+09	1,149446E+09
825	1,069825E+09	9,648489E+08	8,878905E+08	8,878886E+08	9,648508E+08	1,069832E+09	1,149448E+09	1,182371E+09	1,185029E+09	1,185032E+09	1,182381E+09	1,149457E+09
826	1,069826E+09	9,648479E+08	8,879038E+08	8,879145E+08	9,648826E+08	1,069869E+09	1,149480E+09	1,182384E+09	1,185026E+09	1,185030E+09	1,182391E+09	1,149482E+09
827	1,069863E+09	9,648669E+08	8,878968E+08	8,878946E+08	9,648556E+08	1,069844E+09	1,149473E+09	1,182386E+09	1,185024E+09	1,185019E+09	1,182368E+09	1,149446E+09
828	1,069821E+09	9,648285E+08	8,878572E+08	8,878588E+08	9,648315E+08	1,069826E+09	1,149457E+09	1,182381E+09	1,185029E+09	1,185022E+09	1,182370E+09	1,149456E+09
829	1,069844E+09	9,648672E+08	8,878968E+08	8,878872E+08	9,648564E+08	1,069846E+09	1,149462E+09	1,182375E+09	1,185022E+09	1,185024E+09	1,182380E+09	1,149467E+09
830	1,069844E+09	9,648476E+08	8,878715E+08	8,878565E+08	9,648143E+08	1,069810E+09	1,149444E+09	1,182371E+09	1,185025E+09	1,185023E+09	1,182365E+09	1,149436E+09
831	1,069803E+09	9,648049E+08	8,878443E+08	8,878582E+08	9,648334E+08	1,069827E+09	1,149455E+09	1,182373E+09	1,185019E+09	1,185020E+09	1,182375E+09	1,149461E+09
832	1,069841E+09	9,648471E+08	8,878725E+08	8,878813E+08	9,648624E+08	1,069847E+09	1,149456E+09	1,182364E+09	1,185007E+09	1,185012E+09	1,182373E+09	1,149455E+09
833	1,069819E+09	9,648147E+08	8,878341E+08	8,878283E+08	9,648112E+08	1,069824E+09	1,149456E+09	1,182370E+09	1,185010E+09	1,185009E+09	1,182368E+09	1,149452E+09
834	1,069813E+09	9,648092E+08	8,878435E+08	8,878513E+08	9,648347E+08	1,069848E+09	1,149481E+09	1,182390E+09	1,185023E+09	1,185016E+09	1,182373E+09	1,149468E+09
835	1,069855E+09	9,648546E+08	8,878718E+08	8,878657E+08	9,648321E+08	1,069830E+09	1,149468E+09	1,182388E+09	1,185029E+09	1,185019E+09	1,182361E+09	1,149433E+09
836	1,069808E+09	9,648170E+08	8,878453E+08	8,878472E+08	9,648204E+08	1,069812E+09	1,149442E+09	1,182376E+09	1,185034E+09	1,185033E+09	1,182376E+09	1,149448E+09
837	1,069825E+09	9,648504E+08	8,878938E+08	8,878951E+08	9,648651E+08	1,069850E+09	1,149456E+09	1,182366E+09	1,185020E+09	1,185031E+09	1,182393E+09	1,149480E+09
838	1,069855E+09	9,648617E+08	8,878968E+08	8,878924E+08	9,648479E+08	1,069831E+09	1,149451E+09	1,182368E+09	1,185022E+09	1,185025E+09	1,182373E+09	1,149449E+09
839	1,069822E+09	9,648324E+08	8,878780E+08	8,878912E+08	9,648572E+08	1,069840E+09	1,149461E+09	1,182378E+09	1,185023E+09	1,185020E+09	1,182373E+09	1,149466E+09
840	1,069865E+09	9,648967E+08	8,879383E+08	8,879390E+08	9,648971E+08	1,069863E+09	1,149464E+09	1,182373E+09	1,185020E+09	1,185018E+09	1,182369E+09	1,149458E+09
841	1,069852E+09	9,648845E+08	8,879294E+08	8,879165E+08	9,648593E+08	1,069835E+09	1,149454E+09	1,182376E+09	1,185029E+09	1,185023E+09	1,182363E+09	1,149441E+09
842	1,069826E+09	9,648618E+08	8,879265E+08	8,879370E+08	9,648871E+08	1,069855E+09	1,149468E+09	1,182386E+09	1,185039E+09	1,185036E+09	1,182379E+09	1,149463E+09
843	1,069865E+09	9,649067E+08	8,879583E+08	8,879604E+08	9,649067E+08	1,069866E+09	1,149469E+09	1,182380E+09	1,185032E+09	1,185032E+09	1,182374E+09	1,149445E+09
844	1,069826E+09	9,648583E+08	8,879126E+08	8,879164E+08	9,648712E+08	1,069844E+09	1,149456E+09	1,182377E+09	1,185033E+09	1,185033E+09	1,182379E+09	1,149455E+09
845	1,069837E+09	9,648702E+08	8,879259E+08	8,879317E+08	9,648888E+08	1,069865E+09	1,149474E+09	1,182382E+09	1,185027E+09	1,185028E+09	1,182386E+09	1,149482E+09
846	1,069876E+09	9,648950E+08	8,879293E+08	8,879202E+08	9,648645E+08	1,069838E+09	1,149460E+09	1,182383E+09	1,185036E+09	1,185030E+09	1,182367E+09	1,149440E+09
847	1,069823E+09	9,648458E+08	8,878853E+08	8,878852E+08	9,648427E+08	1,069824E+09	1,149451E+09	1,182379E+09	1,185034E+09	1,185031E+09	1,182374E+09	1,149452E+09
848	1,069843E+09	9,648794E+08	8,879258E+08	8,879245E+08	9,648800E+08	1,069847E+09	1,149449E+09	1,182362E+09	1,185016E+09	1,185023E+09	1,182379E+09	1,149463E+09
849	1,069843E+09	9,648603E+08	8,879013E+08	8,878960E+08	9,648455E+08	1,069825E+09	1,149442E+09	1,182359E+09	1,185012E+09	1,185016E+09	1,182368E+09	1,149445E+09
850	1,069812E+09	9,648159E+08	8,878588E+08	8,878778E+08	9,648514E+08	1,069841E+09	1,149461E+09	1,182373E+09	1,185016E+09	1,185018E+09	1,182375E+09	1,149464E+09
851	1,069854E+09	9,648720E+08	8,878989E+08	8,878999E+08	9,648711E+08	1,069858E+09	1,149473E+09	1,182375E+09	1,185011E+09	1,185006E+09	1,182361E+09	1,149444E+09
852	1,069822E+09	9,648362E+08	8,878669E+08	8,878591E+08	9,648253E+08	1,069824E+09	1,149456E+09	1,182379E+09	1,185024E+09	1,185015E+09	1,182358E+09	1,149436E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
853	1,069814E+09	9,648346E+08	8,878786E+08	8,878822E+08	9,648455E+08	1,069838E+09	1,149464E+09	1,182382E+09	1,185028E+09	1,185025E+09	1,182375E+09	1,149463E+09
854	1,069857E+09	9,648768E+08	8,879108E+08	8,879080E+08	9,648583E+08	1,069831E+09	1,149450E+09	1,182375E+09	1,185034E+09	1,185033E+09	1,182370E+09	1,149435E+09
855	1,069808E+09	9,648292E+08	8,878717E+08	8,878798E+08	9,648463E+08	1,069826E+09	1,149444E+09	1,182368E+09	1,185028E+09	1,185034E+09	1,182382E+09	1,149456E+09
856	1,069836E+09	9,648684E+08	8,879230E+08	8,879304E+08	9,648896E+08	1,069860E+09	1,149458E+09	1,182361E+09	1,185011E+09	1,185019E+09	1,182383E+09	1,149479E+09
857	1,069868E+09	9,648898E+08	8,879347E+08	8,879311E+08	9,648733E+08	1,069842E+09	1,149455E+09	1,182370E+09	1,185018E+09	1,185016E+09	1,182365E+09	1,149449E+09
858	1,069834E+09	9,648593E+08	8,879101E+08	8,879196E+08	9,648724E+08	1,069844E+09	1,149462E+09	1,182384E+09	1,185034E+09	1,185027E+09	1,182369E+09	1,149457E+09
859	1,069869E+09	9,649252E+08	8,879801E+08	8,879734E+08	9,649118E+08	1,069868E+09	1,149470E+09	1,182379E+09	1,185028E+09	1,185023E+09	1,182365E+09	1,149445E+09
860	1,069843E+09	9,648969E+08	8,879642E+08	8,879597E+08	9,648892E+08	1,069842E+09	1,149450E+09	1,182377E+09	1,185038E+09	1,185035E+09	1,182366E+09	1,149435E+09
861	1,069826E+09	9,648772E+08	8,879507E+08	8,879643E+08	9,649074E+08	1,069862E+09	1,149460E+09	1,182375E+09	1,185035E+09	1,185040E+09	1,182386E+09	1,149470E+09
862	1,069875E+09	9,649257E+08	8,879840E+08	8,879861E+08	9,649234E+08	1,069870E+09	1,149464E+09	1,182377E+09	1,185034E+09	1,185035E+09	1,182376E+09	1,149449E+09
863	1,069836E+09	9,648763E+08	8,879335E+08	8,879339E+08	9,648801E+08	1,069846E+09	1,149459E+09	1,182382E+09	1,185037E+09	1,185033E+09	1,182375E+09	1,149455E+09
864	1,069848E+09	9,648935E+08	8,879582E+08	8,879604E+08	9,648979E+08	1,069856E+09	1,149462E+09	1,182376E+09	1,185027E+09	1,185024E+09	1,182374E+09	1,149471E+09
865	1,069878E+09	9,649177E+08	8,879682E+08	8,879608E+08	9,648868E+08	1,069837E+09	1,149448E+09	1,182372E+09	1,185030E+09	1,185028E+09	1,182368E+09	1,149440E+09
866	1,069824E+09	9,648594E+08	8,879108E+08	8,879170E+08	9,648679E+08	1,069832E+09	1,149444E+09	1,182370E+09	1,185031E+09	1,185035E+09	1,182379E+09	1,149454E+09
867	1,069846E+09	9,648951E+08	8,879521E+08	8,879502E+08	9,649005E+08	1,069867E+09	1,149463E+09	1,182360E+09	1,185007E+09	1,185014E+09	1,182372E+09	1,149458E+09
868	1,069842E+09	9,648696E+08	8,879235E+08	8,879252E+08	9,648703E+08	1,069841E+09	1,149456E+09	1,182370E+09	1,185016E+09	1,185012E+09	1,182357E+09	1,149437E+09
869	1,069819E+09	9,648382E+08	8,878803E+08	8,878951E+08	9,648613E+08	1,069842E+09	1,149461E+09	1,182376E+09	1,185022E+09	1,185019E+09	1,182368E+09	1,149458E+09
870	1,069860E+09	9,648954E+08	8,879305E+08	8,879254E+08	9,648809E+08	1,069853E+09	1,149464E+09	1,182380E+09	1,185029E+09	1,185020E+09	1,182361E+09	1,149437E+09
871	1,069820E+09	9,648511E+08	8,878950E+08	8,878878E+08	9,648395E+08	1,069822E+09	1,149451E+09	1,182380E+09	1,185035E+09	1,185030E+09	1,182368E+09	1,149438E+09
872	1,069816E+09	9,648486E+08	8,879107E+08	8,879209E+08	9,648677E+08	1,069834E+09	1,149446E+09	1,182366E+09	1,185023E+09	1,185027E+09	1,182379E+09	1,149468E+09
873	1,069864E+09	9,648961E+08	8,879451E+08	8,879479E+08	9,648882E+08	1,069843E+09	1,149445E+09	1,182360E+09	1,185017E+09	1,185026E+09	1,182377E+09	1,149449E+09
874	1,069826E+09	9,648525E+08	8,878988E+08	8,879066E+08	9,648658E+08	1,069836E+09	1,149447E+09	1,182366E+09	1,185022E+09	1,185027E+09	1,182377E+09	1,149458E+09
875	1,069854E+09	9,649033E+08	8,879621E+08	8,879582E+08	9,649038E+08	1,069870E+09	1,149469E+09	1,182367E+09	1,185010E+09	1,185008E+09	1,182363E+09	1,149463E+09
876	1,069870E+09	9,649169E+08	8,879787E+08	8,879744E+08	9,648988E+08	1,069847E+09	1,149456E+09	1,182378E+09	1,185030E+09	1,185019E+09	1,182349E+09	1,149427E+09
877	1,069832E+09	9,648856E+08	8,879494E+08	8,879577E+08	9,648940E+08	1,069843E+09	1,149450E+09	1,182378E+09	1,185040E+09	1,185037E+09	1,182371E+09	1,149449E+09
878	1,069863E+09	9,649405E+08	8,880162E+08	8,880153E+08	9,649421E+08	1,069875E+09	1,149461E+09	1,182376E+09	1,185039E+09	1,185037E+09	1,182374E+09	1,149446E+09
879	1,069840E+09	9,649032E+08	8,879846E+08	8,879871E+08	9,649134E+08	1,069857E+09	1,149458E+09	1,182380E+09	1,185042E+09	1,185042E+09	1,182376E+09	1,149445E+09
880	1,069834E+09	9,648885E+08	8,879725E+08	8,879900E+08	9,649225E+08	1,069864E+09	1,149460E+09	1,182375E+09	1,185033E+09	1,185036E+09	1,182383E+09	1,149475E+09
881	1,069889E+09	9,649498E+08	8,880142E+08	8,880130E+08	9,649391E+08	1,069873E+09	1,149462E+09	1,182375E+09	1,185031E+09	1,185033E+09	1,182377E+09	1,149455E+09
882	1,069849E+09	9,649015E+08	8,879618E+08	8,879538E+08	9,648867E+08	1,069842E+09	1,149452E+09	1,182380E+09	1,185042E+09	1,185039E+09	1,182375E+09	1,149453E+09
883	1,069855E+09	9,649199E+08	8,879957E+08	8,879901E+08	9,649119E+08	1,069858E+09	1,149458E+09	1,182370E+09	1,185024E+09	1,185023E+09	1,182369E+09	1,149462E+09
884	1,069873E+09	9,649297E+08	8,879997E+08	8,880014E+08	9,649190E+08	1,069846E+09	1,149441E+09	1,182364E+09	1,185027E+09	1,185026E+09	1,182361E+09	1,149432E+09
885	1,069826E+09	9,648738E+08	8,879310E+08	8,879396E+08	9,648880E+08	1,069841E+09	1,149441E+09	1,182359E+09	1,185021E+09	1,185028E+09	1,182376E+09	1,149455E+09
886	1,069851E+09	9,649098E+08	8,879754E+08	8,879734E+08	9,649173E+08	1,069874E+09	1,149466E+09	1,182367E+09	1,185013E+09	1,185010E+09	1,182363E+09	1,149453E+09
887	1,069844E+09	9,648838E+08	8,879434E+08	8,879412E+08	9,648791E+08	1,069845E+09	1,149463E+09	1,182383E+09	1,185028E+09	1,185015E+09	1,182351E+09	1,149430E+09
888	1,069821E+09	9,648554E+08	8,879118E+08	8,879224E+08	9,648690E+08	1,069832E+09	1,149450E+09	1,182375E+09	1,185030E+09	1,185023E+09	1,182363E+09	1,149449E+09

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°
889	1,069860E+09	9,649147E+08	8,879675E+08	8,879638E+08	9,649034E+08	1,069851E+09	1,149450E+09	1,182368E+09	1,185026E+09	1,185028E+09	1,182372E+09	1,149443E+09
890	1,069824E+09	9,648665E+08	8,879228E+08	8,879187E+08	9,648629E+08	1,069828E+09	1,149442E+09	1,182369E+09	1,185033E+09	1,185036E+09	1,182378E+09	1,149447E+09
891	1,069827E+09	9,648719E+08	8,879448E+08	8,879516E+08	9,648905E+08	1,069849E+09	1,149452E+09	1,182361E+09	1,185013E+09	1,185018E+09	1,182373E+09	1,149469E+09
892	1,069872E+09	9,649170E+08	8,879793E+08	8,879863E+08	9,649177E+08	1,069856E+09	1,149452E+09	1,182365E+09	1,185019E+09	1,185018E+09	1,182361E+09	1,149441E+09
893	1,069839E+09	9,648845E+08	8,879345E+08	8,879356E+08	9,648833E+08	1,069841E+09	1,149446E+09	1,182367E+09	1,185026E+09	1,185026E+09	1,182368E+09	1,149449E+09
894	1,069858E+09	9,649311E+08	8,880058E+08	8,879969E+08	9,649236E+08	1,069869E+09	1,149464E+09	1,182375E+09	1,185027E+09	1,185018E+09	1,182359E+09	1,149450E+09
895	1,069863E+09	9,649310E+08	8,880127E+08	8,880121E+08	9,649245E+08	1,069854E+09	1,149456E+09	1,182383E+09	1,185045E+09	1,185034E+09	1,182357E+09	1,149426E+09
896	1,069828E+09	9,648951E+08	8,879811E+08	8,879966E+08	9,649212E+08	1,069848E+09	1,149440E+09	1,182368E+09	1,185040E+09	1,185043E+09	1,182377E+09	1,149455E+09
897	1,069869E+09	9,649532E+08	8,880424E+08	8,880474E+08	9,649695E+08	1,069890E+09	1,149461E+09	1,182366E+09	1,185027E+09	1,185036E+09	1,182385E+09	1,149463E+09
898	1,069859E+09	9,649235E+08	8,880062E+08	8,880055E+08	9,649251E+08	1,069863E+09	1,149461E+09	1,182383E+09	1,185042E+09	1,185040E+09	1,182376E+09	1,149453E+09
899	1,069855E+09	9,649219E+08	8,880077E+08	8,880102E+08	9,649278E+08	1,069863E+09	1,149459E+09	1,182376E+09	1,185032E+09	1,185027E+09	1,182368E+09	1,149464E+09
900	1,069894E+09	9,649748E+08	8,880540E+08	8,880495E+08	9,649574E+08	1,069871E+09	1,149454E+09	1,182374E+09	1,185037E+09	1,185032E+09	1,182362E+09	1,149438E+09
901	1,069852E+09	9,649262E+08	8,879979E+08	8,879877E+08	9,649066E+08	1,069840E+09	1,149436E+09	1,182365E+09	1,185037E+09	1,185040E+09	1,182372E+09	1,149444E+09
902	1,069851E+09	9,649332E+08	8,880270E+08	8,880254E+08	9,649390E+08	1,069865E+09	1,149450E+09	1,182365E+09	1,185025E+09	1,185023E+09	1,182365E+09	1,149456E+09
903	1,069868E+09	9,649332E+08	8,880163E+08	8,880247E+08	9,649435E+08	1,069866E+09	1,149454E+09	1,182371E+09	1,185029E+09	1,185025E+09	1,182359E+09	1,149432E+09
904	1,069828E+09	9,648815E+08	8,879510E+08	8,879615E+08	9,649016E+08	1,069845E+09	1,149444E+09	1,182364E+09	1,185024E+09	1,185024E+09	1,182367E+09	1,149451E+09
905	1,069857E+09	9,649250E+08	8,879996E+08	8,879957E+08	9,649313E+08	1,069878E+09	1,149467E+09	1,182370E+09	1,185017E+09	1,185015E+09	1,182366E+09	1,149454E+09
906	1,069851E+09	9,649021E+08	8,879694E+08	8,879600E+08	9,648842E+08	1,069839E+09	1,149458E+09	1,182387E+09	1,185042E+09	1,185030E+09	1,182359E+09	1,149431E+09
907	1,069827E+09	9,648772E+08	8,879468E+08	8,879510E+08	9,648825E+08	1,069830E+09	1,149439E+09	1,182368E+09	1,185031E+09	1,185029E+09	1,182366E+09	1,149449E+09
908	1,069861E+09	9,649291E+08	8,880004E+08	8,880032E+08	9,649341E+08	1,069860E+09	1,149441E+09	1,182357E+09	1,185023E+09	1,185029E+09	1,182370E+09	1,149445E+09
909	1,069839E+09	9,648902E+08	8,879519E+08	8,879465E+08	9,648845E+08	1,069837E+09	1,149436E+09	1,182355E+09	1,185020E+09	1,185029E+09	1,182375E+09	1,149452E+09
910	1,069842E+09	9,648991E+08	8,879812E+08	8,879847E+08	9,649116E+08	1,069855E+09	1,149452E+09	1,182365E+09	1,185016E+09	1,185009E+09	1,182359E+09	1,149461E+09
911	1,069880E+09	9,649408E+08	8,880136E+08	8,880173E+08	9,649384E+08	1,069865E+09	1,149457E+09	1,182376E+09	1,185029E+09	1,185019E+09	1,182350E+09	1,149429E+09
912	1,069838E+09	9,649046E+08	8,879773E+08	8,879767E+08	9,649029E+08	1,069839E+09	1,149438E+09	1,182367E+09	1,185034E+09	1,185031E+09	1,182361E+09	1,149437E+09
913	1,069854E+09	9,649467E+08	8,880448E+08	8,880423E+08	9,649564E+08	1,069880E+09	1,149458E+09	1,182367E+09	1,185027E+09	1,185029E+09	1,182371E+09	1,149452E+09
914	1,069863E+09	9,649433E+08	8,880392E+08	8,880415E+08	9,649479E+08	1,069866E+09	1,149456E+09	1,182381E+09	1,185049E+09	1,185045E+09	1,182369E+09	1,149436E+09
915	1,069840E+09	9,649149E+08	8,880098E+08	8,880210E+08	9,649396E+08	1,069863E+09	1,149447E+09	1,182368E+09	1,185037E+09	1,185039E+09	1,182375E+09	1,149459E+09
916	1,069882E+09	9,649743E+08	8,880722E+08	8,880773E+08	9,649899E+08	1,069897E+09	1,149463E+09	1,182371E+09	1,185032E+09	1,185032E+09	1,182371E+09	1,149458E+09
917	1,069877E+09	9,649555E+08	8,880381E+08	8,880272E+08	9,649325E+08	1,069857E+09	1,149451E+09	1,182377E+09	1,185045E+09	1,185041E+09	1,182369E+09	1,149447E+09
918	1,069863E+09	9,649501E+08	8,880495E+08	8,880459E+08	9,649416E+08	1,069854E+09	1,149446E+09	1,182376E+09	1,185042E+09	1,185032E+09	1,182362E+09	1,149453E+09
919	1,069889E+09	9,649875E+08	8,880849E+08	8,880844E+08	9,649813E+08	1,069875E+09	1,149447E+09	1,182370E+09	1,185041E+09	1,185039E+09	1,182364E+09	1,149433E+09
920	1,069845E+09	9,649321E+08	8,880266E+08	8,880229E+08	9,649315E+08	1,069848E+09	1,149427E+09	1,182351E+09	1,185029E+09	1,185037E+09	1,182370E+09	1,149444E+09
921	1,069853E+09	9,649412E+08	8,880478E+08	8,880527E+08	9,649644E+08	1,069884E+09	1,149456E+09	1,182357E+09	1,185013E+09	1,185017E+09	1,182367E+09	1,149460E+09
922	1,069877E+09	9,649469E+08	8,880327E+08	8,880376E+08	9,649517E+08	1,069873E+09	1,149461E+09	1,182380E+09	1,185036E+09	1,185026E+09	1,182355E+09	1,149431E+09
923	1,069840E+09	9,649058E+08	8,879798E+08	8,879785E+08	9,649069E+08	1,069847E+09	1,149444E+09	1,182369E+09	1,185032E+09	1,185024E+09	1,182357E+09	1,149440E+09
924	1,069858E+09	9,649426E+08	8,880323E+08	8,880284E+08	9,649480E+08	1,069876E+09	1,149458E+09	1,182370E+09	1,185028E+09	1,185024E+09	1,182360E+09	1,149444E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
925	1,069856E+09	9,649224E+08	8,880003E+08	8,879907E+08	9,649021E+08	1,069837E+09	1,149441E+09	1,182371E+09	1,185040E+09	1,185039E+09	1,182367E+09	1,149434E+09
926	1,069831E+09	9,648944E+08	8,879807E+08	8,879880E+08	9,649075E+08	1,069835E+09	1,149430E+09	1,182361E+09	1,185029E+09	1,185029E+09	1,182367E+09	1,149451E+09
927	1,069866E+09	9,649416E+08	8,880252E+08	8,880323E+08	9,649588E+08	1,069877E+09	1,149450E+09	1,182360E+09	1,185022E+09	1,185026E+09	1,182367E+09	1,149446E+09
928	1,069847E+09	9,649099E+08	8,879860E+08	8,879796E+08	9,649040E+08	1,069843E+09	1,149436E+09	1,182355E+09	1,185019E+09	1,185021E+09	1,182362E+09	1,149444E+09
929	1,069851E+09	9,649239E+08	8,880173E+08	8,880180E+08	9,649338E+08	1,069865E+09	1,149454E+09	1,182365E+09	1,185018E+09	1,185013E+09	1,182357E+09	1,149453E+09
930	1,069883E+09	9,649633E+08	8,880493E+08	8,880489E+08	9,649546E+08	1,069868E+09	1,149457E+09	1,182382E+09	1,185044E+09	1,185033E+09	1,182354E+09	1,149426E+09
931	1,069841E+09	9,649259E+08	8,880157E+08	8,880136E+08	9,649260E+08	1,069845E+09	1,149430E+09	1,182362E+09	1,185039E+09	1,185038E+09	1,182364E+09	1,149435E+09
932	1,069854E+09	9,649573E+08	8,880739E+08	8,880804E+08	9,649875E+08	1,069894E+09	1,149456E+09	1,182363E+09	1,185029E+09	1,185033E+09	1,182370E+09	1,149456E+09
933	1,069879E+09	9,649657E+08	8,880656E+08	8,880659E+08	9,649639E+08	1,069873E+09	1,149453E+09	1,182373E+09	1,185042E+09	1,185043E+09	1,182371E+09	1,149443E+09
934	1,069857E+09	9,649442E+08	8,880454E+08	8,880495E+08	9,649504E+08	1,069858E+09	1,149442E+09	1,182373E+09	1,185042E+09	1,185034E+09	1,182364E+09	1,149452E+09
935	1,069891E+09	9,650000E+08	8,881069E+08	8,881056E+08	9,650026E+08	1,069897E+09	1,149460E+09	1,182375E+09	1,185041E+09	1,185036E+09	1,182363E+09	1,149447E+09
936	1,069877E+09	9,649774E+08	8,880818E+08	8,880689E+08	9,649502E+08	1,069851E+09	1,149433E+09	1,182365E+09	1,185043E+09	1,185041E+09	1,182362E+09	1,149435E+09
937	1,069860E+09	9,649648E+08	8,880843E+08	8,880886E+08	9,649746E+08	1,069866E+09	1,149437E+09	1,182358E+09	1,185031E+09	1,185035E+09	1,182369E+09	1,149451E+09
938	1,069887E+09	9,649961E+08	8,881063E+08	8,881109E+08	9,650050E+08	1,069893E+09	1,149452E+09	1,182368E+09	1,185039E+09	1,185041E+09	1,182368E+09	1,149438E+09
939	1,069852E+09	9,649446E+08	8,880474E+08	8,880441E+08	9,649496E+08	1,069865E+09	1,149438E+09	1,182356E+09	1,185027E+09	1,185030E+09	1,182362E+09	1,149440E+09
940	1,069858E+09	9,649526E+08	8,880666E+08	8,880751E+08	9,649818E+08	1,069895E+09	1,149466E+09	1,182369E+09	1,185024E+09	1,185018E+09	1,182355E+09	1,149452E+09
941	1,069888E+09	9,649699E+08	8,880563E+08	8,880528E+08	9,649542E+08	1,069868E+09	1,149456E+09	1,182381E+09	1,185045E+09	1,185036E+09	1,182356E+09	1,149427E+09
942	1,069845E+09	9,649277E+08	8,880142E+08	8,880086E+08	9,649148E+08	1,069835E+09	1,149431E+09	1,182372E+09	1,185044E+09	1,185035E+09	1,182360E+09	1,149435E+09
943	1,069857E+09	9,649547E+08	8,880584E+08	8,880591E+08	9,649679E+08	1,069878E+09	1,149448E+09	1,182363E+09	1,185032E+09	1,185034E+09	1,182369E+09	1,149448E+09
944	1,069858E+09	9,649340E+08	8,880293E+08	8,880246E+08	9,649240E+08	1,069842E+09	1,149429E+09	1,182352E+09	1,185026E+09	1,185033E+09	1,182367E+09	1,149441E+09
945	1,069845E+09	9,649136E+08	8,880092E+08	8,880203E+08	9,649336E+08	1,069852E+09	1,149433E+09	1,182349E+09	1,185013E+09	1,185020E+09	1,182366E+09	1,149454E+09
946	1,069881E+09	9,649671E+08	8,880542E+08	8,880549E+08	9,649699E+08	1,069884E+09	1,149455E+09	1,182366E+09	1,185025E+09	1,185021E+09	1,182357E+09	1,149440E+09
947	1,069858E+09	9,649401E+08	8,880259E+08	8,880116E+08	9,649197E+08	1,069849E+09	1,149435E+09	1,182359E+09	1,185026E+09	1,185020E+09	1,182346E+09	1,149426E+09
948	1,069849E+09	9,649438E+08	8,880572E+08	8,880625E+08	9,649620E+08	1,069872E+09	1,149450E+09	1,182366E+09	1,185029E+09	1,185020E+09	1,182347E+09	1,149438E+09
949	1,069883E+09	9,649814E+08	8,880820E+08	8,880845E+08	9,649782E+08	1,069874E+09	1,149447E+09	1,182373E+09	1,185047E+09	1,185044E+09	1,182362E+09	1,149427E+09
950	1,069844E+09	9,649425E+08	8,880494E+08	8,880515E+08	9,649498E+08	1,069852E+09	1,149431E+09	1,182365E+09	1,185043E+09	1,185042E+09	1,182367E+09	1,149439E+09
951	1,069861E+09	9,649720E+08	8,880978E+08	8,881081E+08	9,650072E+08	1,069905E+09	1,149463E+09	1,182369E+09	1,185035E+09	1,185037E+09	1,182371E+09	1,149459E+09
952	1,069889E+09	9,649885E+08	8,881004E+08	8,880969E+08	9,649776E+08	1,069872E+09	1,149446E+09	1,182369E+09	1,185043E+09	1,185042E+09	1,182365E+09	1,149440E+09
953	1,069870E+09	9,649732E+08	8,880846E+08	8,880848E+08	9,649698E+08	1,069862E+09	1,149435E+09	1,182362E+09	1,185039E+09	1,185040E+09	1,182367E+09	1,149447E+09
954	1,069895E+09	9,650232E+08	8,881430E+08	8,881384E+08	9,650175E+08	1,069896E+09	1,149453E+09	1,182372E+09	1,185047E+09	1,185045E+09	1,182367E+09	1,149445E+09
955	1,069879E+09	9,649958E+08	8,881158E+08	8,881070E+08	9,649791E+08	1,069862E+09	1,149425E+09	1,182353E+09	1,185038E+09	1,185040E+09	1,182359E+09	1,149431E+09
956	1,069860E+09	9,649738E+08	8,881074E+08	8,881227E+08	9,650067E+08	1,069887E+09	1,149443E+09	1,182355E+09	1,185027E+09	1,185029E+09	1,182359E+09	1,149448E+09
957	1,069898E+09	9,650124E+08	8,881242E+08	8,881285E+08	9,650179E+08	1,069903E+09	1,149459E+09	1,182368E+09	1,185035E+09	1,185036E+09	1,182364E+09	1,149439E+09
958	1,069863E+09	9,649672E+08	8,880745E+08	8,880661E+08	9,649550E+08	1,069861E+09	1,149442E+09	1,182371E+09	1,185039E+09	1,185028E+09	1,182352E+09	1,149431E+09
959	1,069860E+09	9,649690E+08	8,880900E+08	8,880956E+08	9,649882E+08	1,069892E+09	1,149465E+09	1,182378E+09	1,185040E+09	1,185030E+09	1,182354E+09	1,149442E+09
960	1,069884E+09	9,649856E+08	8,880907E+08	8,880860E+08	9,649658E+08	1,069859E+09	1,149438E+09	1,182368E+09	1,185046E+09	1,185044E+09	1,182360E+09	1,149424E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
961	1,069846E+09	9,649430E+08	8,880436E+08	8,880436E+08	9,649410E+08	1,069842E+09	1,149419E+09	1,182349E+09	1,185032E+09	1,185042E+09	1,182371E+09	1,149440E+09
962	1,069862E+09	9,649693E+08	8,880818E+08	8,880843E+08	9,649859E+08	1,069889E+09	1,149449E+09	1,182358E+09	1,185027E+09	1,185034E+09	1,182373E+09	1,149456E+09
963	1,069872E+09	9,649563E+08	8,880572E+08	8,880534E+08	9,649457E+08	1,069855E+09	1,149431E+09	1,182350E+09	1,185019E+09	1,185020E+09	1,182353E+09	1,149434E+09
964	1,069853E+09	9,649354E+08	8,880385E+08	8,880519E+08	9,649563E+08	1,069864E+09	1,149440E+09	1,182356E+09	1,185019E+09	1,185014E+09	1,182346E+09	1,149439E+09
965	1,069889E+09	9,649941E+08	8,880887E+08	8,880831E+08	9,649819E+08	1,069885E+09	1,149454E+09	1,182368E+09	1,185033E+09	1,185029E+09	1,182354E+09	1,149430E+09
966	1,069858E+09	9,649627E+08	8,880672E+08	8,880534E+08	9,649370E+08	1,069843E+09	1,149430E+09	1,182366E+09	1,185039E+09	1,185031E+09	1,182348E+09	1,149417E+09
967	1,069842E+09	9,649534E+08	8,880836E+08	8,880983E+08	9,649893E+08	1,069883E+09	1,149448E+09	1,182365E+09	1,185038E+09	1,185036E+09	1,182359E+09	1,149440E+09
968	1,069881E+09	9,649933E+08	8,881121E+08	8,881189E+08	9,650009E+08	1,069881E+09	1,149440E+09	1,182359E+09	1,185039E+09	1,185045E+09	1,182368E+09	1,149436E+09
969	1,069859E+09	9,649654E+08	8,880791E+08	8,880827E+08	9,649722E+08	1,069863E+09	1,149430E+09	1,182354E+09	1,185033E+09	1,185040E+09	1,182370E+09	1,149445E+09
970	1,069879E+09	9,650023E+08	8,881304E+08	8,881324E+08	9,650154E+08	1,069904E+09	1,149462E+09	1,182373E+09	1,185041E+09	1,185037E+09	1,182367E+09	1,149458E+09
971	1,069903E+09	9,650218E+08	8,881422E+08	8,881333E+08	9,649962E+08	1,069872E+09	1,149436E+09	1,182363E+09	1,185043E+09	1,185039E+09	1,182353E+09	1,149428E+09
972	1,069871E+09	9,649961E+08	8,881255E+08	8,881309E+08	9,650013E+08	1,069871E+09	1,149430E+09	1,182357E+09	1,185039E+09	1,185039E+09	1,182356E+09	1,149436E+09
973	1,069896E+09	9,650410E+08	8,881743E+08	8,881728E+08	9,650425E+08	1,069907E+09	1,149450E+09	1,182362E+09	1,185041E+09	1,185046E+09	1,182370E+09	1,149445E+09
974	1,069881E+09	9,650100E+08	8,881443E+08	8,881407E+08	9,650015E+08	1,069873E+09	1,149436E+09	1,182363E+09	1,185039E+09	1,185036E+09	1,182354E+09	1,149428E+09
975	1,069862E+09	9,649834E+08	8,881227E+08	8,881430E+08	9,650244E+08	1,069901E+09	1,149457E+09	1,182370E+09	1,185039E+09	1,185034E+09	1,182356E+09	1,149443E+09
976	1,069898E+09	9,650276E+08	8,881485E+08	8,881483E+08	9,650247E+08	1,069900E+09	1,149455E+09	1,182371E+09	1,185043E+09	1,185040E+09	1,182361E+09	1,149435E+09
977	1,069870E+09	9,649889E+08	8,881041E+08	8,880922E+08	9,649663E+08	1,069858E+09	1,149434E+09	1,182364E+09	1,185043E+09	1,185043E+09	1,182361E+09	1,149430E+09
978	1,069863E+09	9,649870E+08	8,881181E+08	8,881197E+08	9,649942E+08	1,069881E+09	1,149451E+09	1,182373E+09	1,185047E+09	1,185043E+09	1,182366E+09	1,149448E+09
979	1,069888E+09	9,650013E+08	8,881171E+08	8,881172E+08	9,649893E+08	1,069863E+09	1,149423E+09	1,182350E+09	1,185036E+09	1,185042E+09	1,182362E+09	1,149428E+09
980	1,069852E+09	9,649583E+08	8,880689E+08	8,880764E+08	9,649704E+08	1,069860E+09	1,149421E+09	1,182338E+09	1,185018E+09	1,185027E+09	1,182360E+09	1,149440E+09
981	1,069878E+09	9,649925E+08	8,881068E+08	8,881057E+08	9,649986E+08	1,069895E+09	1,149451E+09	1,182354E+09	1,185018E+09	1,185022E+09	1,182362E+09	1,149453E+09
982	1,069884E+09	9,649851E+08	8,880942E+08	8,880860E+08	9,649590E+08	1,069854E+09	1,149436E+09	1,182363E+09	1,185026E+09	1,185013E+09	1,182335E+09	1,149417E+09
983	1,069851E+09	9,649552E+08	8,880711E+08	8,880855E+08	9,649755E+08	1,069868E+09	1,149442E+09	1,182365E+09	1,185035E+09	1,185025E+09	1,182341E+09	1,149422E+09
984	1,069875E+09	9,650073E+08	8,881265E+08	8,881243E+08	9,650050E+08	1,069885E+09	1,149442E+09	1,182360E+09	1,185036E+09	1,185038E+09	1,182359E+09	1,149426E+09
985	1,069855E+09	9,649760E+08	8,880982E+08	8,880932E+08	9,649700E+08	1,069858E+09	1,149425E+09	1,182351E+09	1,185035E+09	1,185043E+09	1,182363E+09	1,149425E+09
986	1,069848E+09	9,649679E+08	8,881072E+08	8,881227E+08	9,650058E+08	1,069892E+09	1,149454E+09	1,182368E+09	1,185041E+09	1,185042E+09	1,182369E+09	1,149454E+09
987	1,069898E+09	9,650177E+08	8,881398E+08	8,881470E+08	9,650220E+08	1,069890E+09	1,149441E+09	1,182359E+09	1,185037E+09	1,185040E+09	1,182362E+09	1,149437E+09
988	1,069875E+09	9,649961E+08	8,881155E+08	8,881160E+08	9,649939E+08	1,069871E+09	1,149432E+09	1,182356E+09	1,185037E+09	1,185035E+09	1,182355E+09	1,149438E+09
989	1,069893E+09	9,650353E+08	8,881716E+08	8,881650E+08	9,650275E+08	1,069899E+09	1,149454E+09	1,182369E+09	1,185044E+09	1,185042E+09	1,182366E+09	1,149454E+09
990	1,069908E+09	9,650487E+08	8,881876E+08	8,881800E+08	9,650191E+08	1,069868E+09	1,149430E+09	1,182365E+09	1,185047E+09	1,185041E+09	1,182349E+09	1,149419E+09
991	1,069866E+09	9,650071E+08	8,881528E+08	8,881677E+08	9,650330E+08	1,069887E+09	1,149432E+09	1,182355E+09	1,185043E+09	1,185046E+09	1,182360E+09	1,149433E+09
992	1,069890E+09	9,650506E+08	8,882016E+08	8,882029E+08	9,650643E+08	1,069918E+09	1,149451E+09	1,182355E+09	1,185034E+09	1,185041E+09	1,182368E+09	1,149447E+09
993	1,069891E+09	9,650283E+08	8,881680E+08	8,881640E+08	9,650186E+08	1,069882E+09	1,149440E+09	1,182360E+09	1,185038E+09	1,185038E+09	1,182353E+09	1,149426E+09
994	1,069870E+09	9,650045E+08	8,881460E+08	8,881565E+08	9,650255E+08	1,069896E+09	1,149457E+09	1,182380E+09	1,185053E+09	1,185042E+09	1,182356E+09	1,149441E+09
995	1,069904E+09	9,650492E+08	8,881783E+08	8,881756E+08	9,650383E+08	1,069893E+09	1,149440E+09	1,182363E+09	1,185046E+09	1,185044E+09	1,182357E+09	1,149427E+09
996	1,069869E+09	9,650048E+08	8,881347E+08	8,881273E+08	9,649907E+08	1,069861E+09	1,149422E+09	1,182353E+09	1,185039E+09	1,185041E+09	1,182358E+09	1,149429E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
997	1,069868E+09	9,650022E+08	8,881441E+08	8,881469E+08	9,650129E+08	1,069885E+09	1,149442E+09	1,182358E+09	1,185036E+09	1,185042E+09	1,182371E+09	1,149456E+09
998	1,069897E+09	9,650190E+08	8,881463E+08	8,881484E+08	9,650080E+08	1,069869E+09	1,149429E+09	1,182353E+09	1,185029E+09	1,185030E+09	1,182352E+09	1,149425E+09
999	1,069858E+09	9,649735E+08	8,880904E+08	8,881008E+08	9,649914E+08	1,069874E+09	1,149432E+09	1,182349E+09	1,185025E+09	1,185025E+09	1,182349E+09	1,149429E+09
1000	1,069875E+09	9,650120E+08	8,881394E+08	8,881327E+08	9,650122E+08	1,069896E+09	1,149450E+09	1,182355E+09	1,185022E+09	1,185021E+09	1,182352E+09	1,149442E+09
1001	1,069885E+09	9,650068E+08	8,881295E+08	8,881200E+08	9,649800E+08	1,069858E+09	1,149432E+09	1,182359E+09	1,185034E+09	1,185028E+09	1,182340E+09	1,149409E+09
1002	1,069847E+09	9,649698E+08	8,881003E+08	8,881145E+08	9,649921E+08	1,069868E+09	1,149437E+09	1,182368E+09	1,185048E+09	1,185042E+09	1,182355E+09	1,149428E+09
1003	1,069877E+09	9,650187E+08	8,881507E+08	8,881573E+08	9,650347E+08	1,069895E+09	1,149434E+09	1,182348E+09	1,185032E+09	1,185041E+09	1,182364E+09	1,149435E+09
1004	1,069866E+09	9,649941E+08	8,881256E+08	8,881248E+08	9,649971E+08	1,069873E+09	1,149431E+09	1,182349E+09	1,185028E+09	1,185034E+09	1,182358E+09	1,149434E+09
1005	1,069870E+09	9,649983E+08	8,881398E+08	8,881462E+08	9,650144E+08	1,069890E+09	1,149451E+09	1,182367E+09	1,185039E+09	1,185037E+09	1,182364E+09	1,149457E+09
1006	1,069917E+09	9,650544E+08	8,881859E+08	8,881832E+08	9,650330E+08	1,069884E+09	1,149439E+09	1,182367E+09	1,185043E+09	1,185035E+09	1,182346E+09	1,149424E+09
1007	1,069879E+09	9,650240E+08	8,881592E+08	8,881579E+08	9,650184E+08	1,069875E+09	1,149427E+09	1,182358E+09	1,185047E+09	1,185043E+09	1,182349E+09	1,149421E+09
1008	1,069883E+09	9,650541E+08	8,882149E+08	8,882098E+08	9,650558E+08	1,069902E+09	1,149440E+09	1,182355E+09	1,185040E+09	1,185044E+09	1,182365E+09	1,149448E+09
1009	1,069907E+09	9,650639E+08	8,882208E+08	8,882216E+08	9,650565E+08	1,069888E+09	1,149429E+09	1,182353E+09	1,185043E+09	1,185047E+09	1,182355E+09	1,149420E+09
1010	1,069868E+09	9,650192E+08	8,881751E+08	8,881907E+08	9,650508E+08	1,069898E+09	1,149442E+09	1,182364E+09	1,185050E+09	1,185049E+09	1,182363E+09	1,149439E+09
1011	1,069898E+09	9,650635E+08	8,882205E+08	8,882250E+08	9,650835E+08	1,069926E+09	1,149453E+09	1,182359E+09	1,185038E+09	1,185039E+09	1,182361E+09	1,149444E+09
1012	1,069899E+09	9,650492E+08	8,881958E+08	8,881881E+08	9,650340E+08	1,069889E+09	1,149442E+09	1,182365E+09	1,185046E+09	1,185038E+09	1,182346E+09	1,149423E+09
1013	1,069878E+09	9,650268E+08	8,881765E+08	8,881779E+08	9,650278E+08	1,069883E+09	1,149443E+09	1,182375E+09	1,185059E+09	1,185052E+09	1,182363E+09	1,149443E+09
1014	1,069909E+09	9,650683E+08	8,882127E+08	8,882092E+08	9,650530E+08	1,069886E+09	1,149429E+09	1,182358E+09	1,185046E+09	1,185046E+09	1,182358E+09	1,149427E+09
1015	1,069870E+09	9,650153E+08	8,881580E+08	8,881568E+08	9,650176E+08	1,069874E+09	1,149419E+09	1,182343E+09	1,185034E+09	1,185041E+09	1,182358E+09	1,149428E+09
1016	1,069868E+09	9,650160E+08	8,881704E+08	8,881726E+08	9,650314E+08	1,069892E+09	1,149439E+09	1,182346E+09	1,185020E+09	1,185027E+09	1,182362E+09	1,149457E+09
1017	1,069910E+09	9,650415E+08	8,881744E+08	8,881751E+08	9,650288E+08	1,069879E+09	1,149431E+09	1,182350E+09	1,185026E+09	1,185025E+09	1,182340E+09	1,149416E+09
1018	1,069863E+09	9,649954E+08	8,881203E+08	8,881216E+08	9,649993E+08	1,069873E+09	1,149435E+09	1,182362E+09	1,185040E+09	1,185032E+09	1,182344E+09	1,149420E+09
1019	1,069873E+09	9,650270E+08	8,881702E+08	8,881668E+08	9,650352E+08	1,069898E+09	1,149441E+09	1,182353E+09	1,185029E+09	1,185027E+09	1,182348E+09	1,149431E+09
1020	1,069880E+09	9,650209E+08	8,881614E+08	8,881574E+08	9,650107E+08	1,069871E+09	1,149430E+09	1,182356E+09	1,185037E+09	1,185032E+09	1,182341E+09	1,149412E+09
1021	1,069852E+09	9,649842E+08	8,881275E+08	8,881409E+08	9,650100E+08	1,069873E+09	1,149433E+09	1,182363E+09	1,185048E+09	1,185049E+09	1,182365E+09	1,149442E+09
1022	1,069893E+09	9,650402E+08	8,881826E+08	8,881876E+08	9,650507E+08	1,069899E+09	1,149441E+09	1,182356E+09	1,185034E+09	1,185036E+09	1,182359E+09	1,149438E+09
1023	1,069880E+09	9,650177E+08	8,881557E+08	8,881538E+08	9,650176E+08	1,069882E+09	1,149435E+09	1,182357E+09	1,185039E+09	1,185037E+09	1,182352E+09	1,149427E+09
1024	1,069876E+09	9,650289E+08	8,881846E+08	8,881811E+08	9,650295E+08	1,069886E+09	1,149440E+09	1,182361E+09	1,185040E+09	1,185038E+09	1,182359E+09	1,149452E+09
1025	1,069924E+09	9,650841E+08	8,882327E+08	8,882275E+08	9,650587E+08	1,069884E+09	1,149426E+09	1,182355E+09	1,185046E+09	1,185046E+09	1,182348E+09	1,149416E+09
1026	1,069876E+09	9,650417E+08	8,881960E+08	8,881957E+08	9,650436E+08	1,069880E+09	1,149421E+09	1,182355E+09	1,185053E+09	1,185054E+09	1,182357E+09	1,149424E+09
1027	1,069883E+09	9,650635E+08	8,882404E+08	8,882473E+08	9,650924E+08	1,069919E+09	1,149436E+09	1,182343E+09	1,185031E+09	1,185039E+09	1,182361E+09	1,149448E+09
1028	1,069914E+09	9,650791E+08	8,882451E+08	8,882495E+08	9,650833E+08	1,069909E+09	1,149440E+09	1,182356E+09	1,185037E+09	1,185034E+09	1,182345E+09	1,149423E+09
1029	1,069882E+09	9,650414E+08	8,882009E+08	8,882074E+08	9,650557E+08	1,069897E+09	1,149443E+09	1,182371E+09	1,185056E+09	1,185049E+09	1,182359E+09	1,149440E+09
1030	1,069911E+09	9,650894E+08	8,882554E+08	8,882507E+08	9,650876E+08	1,069918E+09	1,149451E+09	1,182368E+09	1,185047E+09	1,185040E+09	1,182350E+09	1,149433E+09
1031	1,069899E+09	9,650666E+08	8,882278E+08	8,882198E+08	9,650512E+08	1,069887E+09	1,149433E+09	1,182364E+09	1,185055E+09	1,185049E+09	1,182347E+09	1,149412E+09
1032	1,069871E+09	9,650412E+08	8,882105E+08	8,882114E+08	9,650474E+08	1,069881E+09	1,149424E+09	1,182355E+09	1,185049E+09	1,185052E+09	1,182366E+09	1,149446E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1033	1,069914E+09	9,650825E+08	8,882397E+08	8,882405E+08	9,650797E+08	1,069899E+09	1,149423E+09	1,182342E+09	1,185037E+09	1,185047E+09	1,182359E+09	1,149428E+09
1034	1,069876E+09	9,650290E+08	8,881796E+08	8,881765E+08	9,650325E+08	1,069884E+09	1,149428E+09	1,182350E+09	1,185037E+09	1,185038E+09	1,182353E+09	1,149429E+09
1035	1,069878E+09	9,650307E+08	8,881907E+08	8,881964E+08	9,650527E+08	1,069902E+09	1,149440E+09	1,182349E+09	1,185022E+09	1,185019E+09	1,182345E+09	1,149445E+09
1036	1,069915E+09	9,650632E+08	8,882054E+08	8,882027E+08	9,650478E+08	1,069890E+09	1,149437E+09	1,182358E+09	1,185034E+09	1,185022E+09	1,182330E+09	1,149409E+09
1037	1,069866E+09	9,650140E+08	8,881536E+08	8,881488E+08	9,650078E+08	1,069865E+09	1,149426E+09	1,182363E+09	1,185052E+09	1,185047E+09	1,182352E+09	1,149421E+09
1038	1,069874E+09	9,650396E+08	8,882018E+08	8,882012E+08	9,650536E+08	1,069899E+09	1,149437E+09	1,182353E+09	1,185035E+09	1,185036E+09	1,182353E+09	1,149432E+09
1039	1,069882E+09	9,650312E+08	8,881860E+08	8,881878E+08	9,650376E+08	1,069886E+09	1,149431E+09	1,182352E+09	1,185039E+09	1,185040E+09	1,182348E+09	1,149415E+09
1040	1,069859E+09	9,650052E+08	8,881591E+08	8,881669E+08	9,650238E+08	1,069875E+09	1,149426E+09	1,182352E+09	1,185038E+09	1,185041E+09	1,182362E+09	1,149448E+09
1041	1,069913E+09	9,650723E+08	8,882207E+08	8,882195E+08	9,650689E+08	1,069902E+09	1,149433E+09	1,182350E+09	1,185036E+09	1,185037E+09	1,182351E+09	1,149432E+09
1042	1,069891E+09	9,650489E+08	8,881989E+08	8,881879E+08	9,650316E+08	1,069879E+09	1,149427E+09	1,182358E+09	1,185048E+09	1,185042E+09	1,182346E+09	1,149418E+09
1043	1,069878E+09	9,650494E+08	8,882239E+08	8,882274E+08	9,650623E+08	1,069890E+09	1,149426E+09	1,182348E+09	1,185037E+09	1,185037E+09	1,182350E+09	1,149440E+09
1044	1,069922E+09	9,651020E+08	8,882709E+08	8,882729E+08	9,650989E+08	1,069907E+09	1,149428E+09	1,182348E+09	1,185040E+09	1,185040E+09	1,182345E+09	1,149417E+09
1045	1,069880E+09	9,650556E+08	8,882259E+08	8,882263E+08	9,650652E+08	1,069893E+09	1,149426E+09	1,182355E+09	1,185053E+09	1,185056E+09	1,182361E+09	1,149431E+09
1046	1,069894E+09	9,650792E+08	8,882672E+08	8,882749E+08	9,651085E+08	1,069930E+09	1,149452E+09	1,182358E+09	1,185038E+09	1,185036E+09	1,182351E+09	1,149443E+09
1047	1,069921E+09	9,650977E+08	8,882704E+08	8,882727E+08	9,650997E+08	1,069918E+09	1,149448E+09	1,182369E+09	1,185054E+09	1,185044E+09	1,182340E+09	1,149412E+09
1048	1,069884E+09	9,650656E+08	8,882361E+08	8,882317E+08	9,650606E+08	1,069888E+09	1,149431E+09	1,182366E+09	1,185061E+09	1,185056E+09	1,182359E+09	1,149437E+09
1049	1,069918E+09	9,651123E+08	8,882912E+08	8,882847E+08	9,651037E+08	1,069911E+09	1,149433E+09	1,182356E+09	1,185053E+09	1,185055E+09	1,182357E+09	1,149431E+09
1050	1,069900E+09	9,650801E+08	8,882553E+08	8,882491E+08	9,650691E+08	1,069888E+09	1,149421E+09	1,182355E+09	1,185057E+09	1,185058E+09	1,182357E+09	1,149420E+09
1051	1,069877E+09	9,650498E+08	8,882302E+08	8,882421E+08	9,650763E+08	1,069893E+09	1,149417E+09	1,182337E+09	1,185032E+09	1,185041E+09	1,182360E+09	1,149447E+09
1052	1,069925E+09	9,651015E+08	8,882642E+08	8,882652E+08	9,651017E+08	1,069917E+09	1,149432E+09	1,182342E+09	1,185026E+09	1,185027E+09	1,182344E+09	1,149427E+09
1053	1,069888E+09	9,650519E+08	8,882080E+08	8,881960E+08	9,650378E+08	1,069884E+09	1,149429E+09	1,182357E+09	1,185044E+09	1,185037E+09	1,182344E+09	1,149422E+09
1054	1,069884E+09	9,650526E+08	8,882250E+08	8,882255E+08	9,650621E+08	1,069901E+09	1,149443E+09	1,182358E+09	1,185034E+09	1,185023E+09	1,182333E+09	1,149426E+09
1055	1,069908E+09	9,650752E+08	8,882354E+08	8,882368E+08	9,650708E+08	1,069897E+09	1,149434E+09	1,182361E+09	1,185048E+09	1,185038E+09	1,182333E+09	1,149396E+09
1056	1,069856E+09	9,650257E+08	8,881843E+08	8,881818E+08	9,650286E+08	1,069869E+09	1,149414E+09	1,182350E+09	1,185049E+09	1,185053E+09	1,182362E+09	1,149429E+09
1057	1,069883E+09	9,650549E+08	8,882281E+08	8,882312E+08	9,650758E+08	1,069908E+09	1,149431E+09	1,182343E+09	1,185034E+09	1,185042E+09	1,182358E+09	1,149438E+09
1058	1,069894E+09	9,650488E+08	8,882101E+08	8,882102E+08	9,650506E+08	1,069892E+09	1,149434E+09	1,182357E+09	1,185045E+09	1,185043E+09	1,182350E+09	1,149421E+09
1059	1,069875E+09	9,650282E+08	8,881887E+08	8,881993E+08	9,650465E+08	1,069880E+09	1,149418E+09	1,182345E+09	1,185035E+09	1,185036E+09	1,182350E+09	1,149440E+09
1060	1,069924E+09	9,651037E+08	8,882629E+08	8,882560E+08	9,650902E+08	1,069909E+09	1,149431E+09	1,182348E+09	1,185035E+09	1,185032E+09	1,182342E+09	1,149426E+09
1061	1,069896E+09	9,650739E+08	8,882421E+08	8,882279E+08	9,650502E+08	1,069877E+09	1,149418E+09	1,182354E+09	1,185053E+09	1,185050E+09	1,182349E+09	1,149418E+09
1062	1,069882E+09	9,650674E+08	8,882607E+08	8,882692E+08	9,650906E+08	1,069903E+09	1,149427E+09	1,182345E+09	1,185036E+09	1,185036E+09	1,182345E+09	1,149433E+09
1063	1,069922E+09	9,651140E+08	8,882978E+08	8,883070E+08	9,651299E+08	1,069930E+09	1,149439E+09	1,182351E+09	1,185042E+09	1,185042E+09	1,182343E+09	1,149411E+09
1064	1,069884E+09	9,650763E+08	8,882563E+08	8,882524E+08	9,650781E+08	1,069898E+09	1,149428E+09	1,182355E+09	1,185051E+09	1,185051E+09	1,182356E+09	1,149432E+09
1065	1,069908E+09	9,651059E+08	8,882993E+08	8,883015E+08	9,651197E+08	1,069929E+09	1,149445E+09	1,182361E+09	1,185052E+09	1,185046E+09	1,182346E+09	1,149434E+09
1066	1,069926E+09	9,651211E+08	8,883045E+08	8,883001E+08	9,651075E+08	1,069911E+09	1,149439E+09	1,182372E+09	1,185070E+09	1,185060E+09	1,182345E+09	1,149408E+09
1067	1,069886E+09	9,650810E+08	8,882671E+08	8,882709E+08	9,650865E+08	1,069886E+09	1,149410E+09	1,182348E+09	1,185056E+09	1,185060E+09	1,182359E+09	1,149433E+09
1068	1,069920E+09	9,651295E+08	8,883221E+08	8,883202E+08	9,651328E+08	1,069927E+09	1,149429E+09	1,182343E+09	1,185040E+09	1,185046E+09	1,182358E+09	1,149439E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1069	1,069909E+09	9,650954E+08	8,882814E+08	8,882761E+08	9,650855E+08	1,069895E+09	1,149422E+09	1,182350E+09	1,185050E+09	1,185053E+09	1,182357E+09	1,149427E+09
1070	1,069890E+09	9,650676E+08	8,882545E+08	8,882668E+08	9,650913E+08	1,069905E+09	1,149431E+09	1,182345E+09	1,185032E+09	1,185032E+09	1,182344E+09	1,149435E+09
1071	1,069929E+09	9,651196E+08	8,882899E+08	8,882900E+08	9,651197E+08	1,069931E+09	1,149443E+09	1,182354E+09	1,185038E+09	1,185032E+09	1,182334E+09	1,149409E+09
1072	1,069884E+09	9,650731E+08	8,882412E+08	8,882223E+08	9,650443E+08	1,069878E+09	1,149421E+09	1,182354E+09	1,185049E+09	1,185044E+09	1,182344E+09	1,149416E+09
1073	1,069884E+09	9,650673E+08	8,882536E+08	8,882582E+08	9,650808E+08	1,069899E+09	1,149428E+09	1,182353E+09	1,185046E+09	1,185042E+09	1,182341E+09	1,149423E+09
1074	1,069904E+09	9,650829E+08	8,882569E+08	8,882639E+08	9,650899E+08	1,069902E+09	1,149427E+09	1,182354E+09	1,185053E+09	1,185052E+09	1,182347E+09	1,149407E+09
1075	1,069864E+09	9,650336E+08	8,882011E+08	8,882099E+08	9,650525E+08	1,069878E+09	1,149407E+09	1,182334E+09	1,185034E+09	1,185045E+09	1,182359E+09	1,149434E+09
1076	1,069901E+09	9,650814E+08	8,882567E+08	8,882565E+08	9,650922E+08	1,069919E+09	1,149437E+09	1,182343E+09	1,185023E+09	1,185025E+09	1,182348E+09	1,149443E+09
1077	1,069912E+09	9,650812E+08	8,882483E+08	8,882380E+08	9,650570E+08	1,069885E+09	1,149427E+09	1,182357E+09	1,185049E+09	1,185042E+09	1,182342E+09	1,149416E+09
1078	1,069886E+09	9,650595E+08	8,882341E+08	8,882394E+08	9,650633E+08	1,069881E+09	1,149417E+09	1,182345E+09	1,185039E+09	1,185034E+09	1,182335E+09	1,149420E+09
1079	1,069919E+09	9,651240E+08	8,883039E+08	8,883026E+08	9,651237E+08	1,069924E+09	1,149430E+09	1,182346E+09	1,185041E+09	1,185040E+09	1,182339E+09	1,149409E+09
1080	1,069888E+09	9,650912E+08	8,882789E+08	8,882689E+08	9,650784E+08	1,069888E+09	1,149414E+09	1,182344E+09	1,185049E+09	1,185051E+09	1,182351E+09	1,149419E+09
1081	1,069888E+09	9,650833E+08	8,882887E+08	8,883038E+08	9,651179E+08	1,069918E+09	1,149431E+09	1,182348E+09	1,185045E+09	1,185044E+09	1,182345E+09	1,149431E+09
1082	1,069927E+09	9,651297E+08	8,883215E+08	8,883313E+08	9,651449E+08	1,069938E+09	1,149447E+09	1,182365E+09	1,185058E+09	1,185053E+09	1,182346E+09	1,149414E+09
1083	1,069894E+09	9,650948E+08	8,882830E+08	8,882825E+08	9,650956E+08	1,069898E+09	1,149421E+09	1,182353E+09	1,185056E+09	1,185055E+09	1,182353E+09	1,149428E+09
1084	1,069917E+09	9,651340E+08	8,883368E+08	8,883331E+08	9,651332E+08	1,069929E+09	1,149440E+09	1,182358E+09	1,185052E+09	1,185048E+09	1,182351E+09	1,149437E+09
1085	1,069931E+09	9,651424E+08	8,883401E+08	8,883342E+08	9,651212E+08	1,069903E+09	1,149422E+09	1,182361E+09	1,185072E+09	1,185071E+09	1,182357E+09	1,149417E+09
1086	1,069895E+09	9,650997E+08	8,882978E+08	8,883051E+08	9,651108E+08	1,069898E+09	1,149407E+09	1,182334E+09	1,185045E+09	1,185054E+09	1,182356E+09	1,149432E+09
1087	1,069925E+09	9,651444E+08	8,883455E+08	8,883479E+08	9,651578E+08	1,069946E+09	1,149438E+09	1,182340E+09	1,185033E+09	1,185039E+09	1,182349E+09	1,149431E+09
1088	1,069915E+09	9,651181E+08	8,883093E+08	8,883003E+08	9,650974E+08	1,069899E+09	1,149424E+09	1,182349E+09	1,185043E+09	1,185040E+09	1,182343E+09	1,149421E+09
1089	1,069900E+09	9,650924E+08	8,882843E+08	8,882933E+08	9,651035E+08	1,069904E+09	1,149425E+09	1,182350E+09	1,185045E+09	1,185035E+09	1,182331E+09	1,149417E+09
1090	1,069921E+09	9,651331E+08	8,883169E+08	8,883162E+08	9,651304E+08	1,069928E+09	1,149440E+09	1,182359E+09	1,185054E+09	1,185047E+09	1,182338E+09	1,149401E+09
1091	1,069878E+09	9,650784E+08	8,882638E+08	8,882579E+08	9,650704E+08	1,069881E+09	1,149408E+09	1,182341E+09	1,185046E+09	1,185050E+09	1,182348E+09	1,149414E+09
1092	1,069884E+09	9,650799E+08	8,882760E+08	8,882847E+08	9,651024E+08	1,069913E+09	1,149430E+09	1,182344E+09	1,185036E+09	1,185038E+09	1,182349E+09	1,149435E+09
1093	1,069913E+09	9,650982E+08	8,882789E+08	8,882849E+08	9,650999E+08	1,069904E+09	1,149427E+09	1,182354E+09	1,185052E+09	1,185053E+09	1,182352E+09	1,149418E+09
1094	1,069884E+09	9,650597E+08	8,882296E+08	8,882346E+08	9,650658E+08	1,069885E+09	1,149413E+09	1,182336E+09	1,185033E+09	1,185037E+09	1,182345E+09	1,149426E+09
1095	1,069910E+09	9,651102E+08	8,882929E+08	8,882883E+08	9,651101E+08	1,069926E+09	1,149439E+09	1,182347E+09	1,185032E+09	1,185028E+09	1,182338E+09	1,149425E+09
1096	1,069913E+09	9,651118E+08	8,882935E+08	8,882784E+08	9,650730E+08	1,069880E+09	1,149416E+09	1,182350E+09	1,185049E+09	1,185044E+09	1,182340E+09	1,149410E+09
1097	1,069888E+09	9,650817E+08	8,882744E+08	8,882855E+08	9,650930E+08	1,069885E+09	1,149404E+09	1,182339E+09	1,185049E+09	1,185046E+09	1,182338E+09	1,149412E+09
1098	1,069912E+09	9,651339E+08	8,883322E+08	8,883391E+08	9,651530E+08	1,069940E+09	1,149433E+09	1,182344E+09	1,185046E+09	1,185050E+09	1,182348E+09	1,149414E+09
1099	1,069893E+09	9,651011E+08	8,883014E+08	8,883036E+08	9,651076E+08	1,069903E+09	1,149416E+09	1,182339E+09	1,185041E+09	1,185046E+09	1,182348E+09	1,149420E+09
1100	1,069901E+09	9,651095E+08	8,883177E+08	8,883294E+08	9,651348E+08	1,069929E+09	1,149440E+09	1,182355E+09	1,185044E+09	1,185037E+09	1,182342E+09	1,149435E+09
1101	1,069939E+09	9,651581E+08	8,883576E+08	8,883586E+08	9,651511E+08	1,069929E+09	1,149440E+09	1,182368E+09	1,185070E+09	1,185062E+09	1,182348E+09	1,149415E+09
1102	1,069906E+09	9,651235E+08	8,883233E+08	8,883183E+08	9,651117E+08	1,069898E+09	1,149414E+09	1,182347E+09	1,185058E+09	1,185059E+09	1,182349E+09	1,149419E+09
1103	1,069917E+09	9,651544E+08	8,883744E+08	8,883747E+08	9,651625E+08	1,069938E+09	1,149434E+09	1,182350E+09	1,185052E+09	1,185054E+09	1,182352E+09	1,149431E+09
1104	1,069932E+09	9,651623E+08	8,883732E+08	8,883688E+08	9,651436E+08	1,069910E+09	1,149415E+09	1,182345E+09	1,185057E+09	1,185063E+09	1,182357E+09	1,149422E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1105	1,069905E+09	9,651183E+08	8,883240E+08	8,883350E+08	9,651336E+08	1,069908E+09	1,149409E+09	1,182335E+09	1,185047E+09	1,185050E+09	1,182346E+09	1,149424E+09
1106	1,069928E+09	9,651591E+08	8,883667E+08	8,883690E+08	9,651728E+08	1,069955E+09	1,149447E+09	1,182351E+09	1,185043E+09	1,185041E+09	1,182342E+09	1,149424E+09
1107	1,069917E+09	9,651307E+08	8,883316E+08	8,883265E+08	9,651133E+08	1,069900E+09	1,149421E+09	1,182349E+09	1,185047E+09	1,185040E+09	1,182334E+09	1,149409E+09
1108	1,069900E+09	9,651114E+08	8,883127E+08	8,883192E+08	9,651169E+08	1,069906E+09	1,149425E+09	1,182353E+09	1,185049E+09	1,185040E+09	1,182336E+09	1,149417E+09
1109	1,069917E+09	9,651429E+08	8,883417E+08	8,883432E+08	9,651432E+08	1,069922E+09	1,149427E+09	1,182354E+09	1,185060E+09	1,185061E+09	1,182353E+09	1,149412E+09
1110	1,069885E+09	9,650912E+08	8,882856E+08	8,882822E+08	9,650896E+08	1,069892E+09	1,149408E+09	1,182331E+09	1,185038E+09	1,185048E+09	1,182350E+09	1,149418E+09
1111	1,069893E+09	9,650973E+08	8,883000E+08	8,883084E+08	9,651198E+08	1,069923E+09	1,149435E+09	1,182343E+09	1,185032E+09	1,185033E+09	1,182343E+09	1,149432E+09
1112	1,069926E+09	9,651284E+08	8,883114E+08	8,883089E+08	9,651073E+08	1,069899E+09	1,149421E+09	1,182349E+09	1,185046E+09	1,185043E+09	1,182342E+09	1,149416E+09
1113	1,069898E+09	9,650929E+08	8,882707E+08	8,882701E+08	9,650828E+08	1,069881E+09	1,149401E+09	1,182336E+09	1,185045E+09	1,185039E+09	1,182332E+09	1,149408E+09
1114	1,069906E+09	9,651305E+08	8,883313E+08	8,883280E+08	9,651332E+08	1,069928E+09	1,149433E+09	1,182347E+09	1,185041E+09	1,185039E+09	1,182339E+09	1,149417E+09
1115	1,069907E+09	9,651213E+08	8,883258E+08	8,883265E+08	9,651114E+08	1,069891E+09	1,149407E+09	1,182337E+09	1,185042E+09	1,185044E+09	1,182339E+09	1,149406E+09
1116	1,069888E+09	9,650981E+08	8,883046E+08	8,883210E+08	9,651244E+08	1,069907E+09	1,149415E+09	1,182338E+09	1,185040E+09	1,185043E+09	1,182344E+09	1,149420E+09
1117	1,069916E+09	9,651471E+08	8,883574E+08	8,883660E+08	9,651701E+08	1,069948E+09	1,149441E+09	1,182354E+09	1,185054E+09	1,185056E+09	1,182354E+09	1,149425E+09
1118	1,069910E+09	9,651272E+08	8,883312E+08	8,883285E+08	9,651241E+08	1,069914E+09	1,149425E+09	1,182346E+09	1,185049E+09	1,185048E+09	1,182341E+09	1,149415E+09
1119	1,069911E+09	9,651386E+08	8,883547E+08	8,883581E+08	9,651481E+08	1,069931E+09	1,149440E+09	1,182361E+09	1,185057E+09	1,185048E+09	1,182340E+09	1,149425E+09
1120	1,069944E+09	9,651881E+08	8,883998E+08	8,883943E+08	9,651634E+08	1,069919E+09	1,149422E+09	1,182358E+09	1,185071E+09	1,185068E+09	1,182353E+09	1,149418E+09
1121	1,069914E+09	9,651480E+08	8,883628E+08	8,883609E+08	9,651388E+08	1,069896E+09	1,149394E+09	1,182334E+09	1,185061E+09	1,185063E+09	1,182349E+09	1,149416E+09
1122	1,069917E+09	9,651661E+08	8,884001E+08	8,884059E+08	9,651876E+08	1,069949E+09	1,149433E+09	1,182342E+09	1,185046E+09	1,185053E+09	1,182354E+09	1,149435E+09
1123	1,069939E+09	9,651731E+08	8,883953E+08	8,884001E+08	9,651695E+08	1,069921E+09	1,149416E+09	1,182337E+09	1,185042E+09	1,185045E+09	1,182342E+09	1,149417E+09
1124	1,069915E+09	9,651434E+08	8,883529E+08	8,883574E+08	9,651475E+08	1,069917E+09	1,149418E+09	1,182342E+09	1,185044E+09	1,185039E+09	1,182335E+09	1,149417E+09
1125	1,069927E+09	9,651772E+08	8,883969E+08	8,883925E+08	9,651787E+08	1,069948E+09	1,149443E+09	1,182359E+09	1,185058E+09	1,185050E+09	1,182340E+09	1,149417E+09
1126	1,069917E+09	9,651485E+08	8,883621E+08	8,883549E+08	9,651310E+08	1,069905E+09	1,149417E+09	1,182346E+09	1,185053E+09	1,185047E+09	1,182331E+09	1,149397E+09
1127	1,069893E+09	9,651217E+08	8,883387E+08	8,883486E+08	9,651406E+08	1,069915E+09	1,149423E+09	1,182349E+09	1,185053E+09	1,185050E+09	1,182341E+09	1,149414E+09
1128	1,069918E+09	9,651559E+08	8,883645E+08	8,883671E+08	9,651584E+08	1,069924E+09	1,149421E+09	1,182344E+09	1,185052E+09	1,185059E+09	1,182358E+09	1,149424E+09
1129	1,069900E+09	9,651107E+08	8,883110E+08	8,883080E+08	9,651068E+08	1,069894E+09	1,149404E+09	1,182333E+09	1,185044E+09	1,185045E+09	1,182343E+09	1,149416E+09
1130	1,069900E+09	9,651168E+08	8,883267E+08	8,883319E+08	9,651337E+08	1,069926E+09	1,149436E+09	1,182349E+09	1,185040E+09	1,185037E+09	1,182341E+09	1,149430E+09
1131	1,069932E+09	9,651482E+08	8,883456E+08	8,883444E+08	9,651274E+08	1,069899E+09	1,149412E+09	1,182341E+09	1,185044E+09	1,185040E+09	1,182333E+09	1,149406E+09
1132	1,069900E+09	9,651183E+08	8,883112E+08	8,883085E+08	9,651071E+08	1,069887E+09	1,149399E+09	1,182334E+09	1,185042E+09	1,185042E+09	1,182336E+09	1,149407E+09
1133	1,069902E+09	9,651430E+08	8,883638E+08	8,883656E+08	9,651595E+08	1,069933E+09	1,149427E+09	1,182343E+09	1,185047E+09	1,185049E+09	1,182347E+09	1,149424E+09
1134	1,069915E+09	9,651371E+08	8,883522E+08	8,883558E+08	9,651410E+08	1,069914E+09	1,149416E+09	1,182334E+09	1,185038E+09	1,185040E+09	1,182335E+09	1,149406E+09
1135	1,069897E+09	9,651187E+08	8,883336E+08	8,883480E+08	9,651458E+08	1,069923E+09	1,149429E+09	1,182349E+09	1,185046E+09	1,185041E+09	1,182336E+09	1,149417E+09
1136	1,069930E+09	9,651772E+08	8,883924E+08	8,883916E+08	9,651777E+08	1,069941E+09	1,149435E+09	1,182355E+09	1,185057E+09	1,185054E+09	1,182348E+09	1,149424E+09
1137	1,069924E+09	9,651597E+08	8,883749E+08	8,883649E+08	9,651384E+08	1,069904E+09	1,149411E+09	1,182348E+09	1,185065E+09	1,185057E+09	1,182335E+09	1,149402E+09
1138	1,069909E+09	9,651598E+08	8,883946E+08	8,883983E+08	9,651705E+08	1,069928E+09	1,149427E+09	1,182354E+09	1,185064E+09	1,185061E+09	1,182347E+09	1,149424E+09
1139	1,069943E+09	9,651999E+08	8,884333E+08	8,884376E+08	9,651957E+08	1,069926E+09	1,149408E+09	1,182338E+09	1,185057E+09	1,185063E+09	1,182351E+09	1,149418E+09
1140	1,069920E+09	9,651677E+08	8,883951E+08	8,883945E+08	9,651672E+08	1,069915E+09	1,149402E+09	1,182329E+09	1,185046E+09	1,185053E+09	1,182349E+09	1,149421E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1141	1,069923E+09	9,651808E+08	8,884252E+08	8,884319E+08	9,652046E+08	1,069955E+09	1,149438E+09	1,182349E+09	1,185051E+09	1,185050E+09	1,182348E+09	1,149437E+09
1142	1,069952E+09	9,651955E+08	8,884214E+08	8,884212E+08	9,651875E+08	1,069936E+09	1,149425E+09	1,182344E+09	1,185048E+09	1,185042E+09	1,182327E+09	1,149402E+09
1143	1,069915E+09	9,651636E+08	8,883854E+08	8,883830E+08	9,651611E+08	1,069922E+09	1,149423E+09	1,182352E+09	1,185059E+09	1,185049E+09	1,182330E+09	1,149403E+09
1144	1,069923E+09	9,651918E+08	8,884263E+08	8,884202E+08	9,651894E+08	1,069940E+09	1,149428E+09	1,182353E+09	1,185063E+09	1,185061E+09	1,182349E+09	1,149420E+09
1145	1,069920E+09	9,651610E+08	8,883887E+08	8,883856E+08	9,651525E+08	1,069904E+09	1,149402E+09	1,182340E+09	1,185061E+09	1,185058E+09	1,182337E+09	1,149400E+09
1146	1,069894E+09	9,651287E+08	8,883560E+08	8,883691E+08	9,651579E+08	1,069923E+09	1,149421E+09	1,182343E+09	1,185050E+09	1,185053E+09	1,182348E+09	1,149425E+09
1147	1,069930E+09	9,651680E+08	8,883851E+08	8,883905E+08	9,651739E+08	1,069928E+09	1,149416E+09	1,182335E+09	1,185040E+09	1,185044E+09	1,182346E+09	1,149425E+09
1148	1,069917E+09	9,651414E+08	8,883455E+08	8,883332E+08	9,651198E+08	1,069897E+09	1,149405E+09	1,182332E+09	1,185037E+09	1,185035E+09	1,182334E+09	1,149411E+09
1149	1,069905E+09	9,651398E+08	8,883639E+08	8,883639E+08	9,651465E+08	1,069920E+09	1,149427E+09	1,182349E+09	1,185048E+09	1,185042E+09	1,182337E+09	1,149424E+09
1150	1,069937E+09	9,651705E+08	8,883831E+08	8,883819E+08	9,651577E+08	1,069914E+09	1,149410E+09	1,182335E+09	1,185043E+09	1,185041E+09	1,182326E+09	1,149394E+09
1151	1,069895E+09	9,651334E+08	8,883461E+08	8,883461E+08	9,651383E+08	1,069905E+09	1,149404E+09	1,182334E+09	1,185045E+09	1,185046E+09	1,182333E+09	1,149401E+09
1152	1,069902E+09	9,651559E+08	8,883903E+08	8,883944E+08	9,651801E+08	1,069943E+09	1,149429E+09	1,182342E+09	1,185046E+09	1,185048E+09	1,182348E+09	1,149430E+09
1153	1,069929E+09	9,651591E+08	8,883827E+08	8,883857E+08	9,651606E+08	1,069918E+09	1,149417E+09	1,182346E+09	1,185054E+09	1,185044E+09	1,182328E+09	1,149400E+09
1154	1,069903E+09	9,651394E+08	8,883635E+08	8,883724E+08	9,651578E+08	1,069923E+09	1,149428E+09	1,182357E+09	1,185061E+09	1,185053E+09	1,182338E+09	1,149416E+09
1155	1,069936E+09	9,651978E+08	8,884302E+08	8,884279E+08	9,651934E+08	1,069935E+09	1,149422E+09	1,182347E+09	1,185058E+09	1,185058E+09	1,182346E+09	1,149421E+09
1156	1,069932E+09	9,651877E+08	8,884196E+08	8,884072E+08	9,651620E+08	1,069904E+09	1,149398E+09	1,182336E+09	1,185059E+09	1,185061E+09	1,182344E+09	1,149407E+09
1157	1,069911E+09	9,651756E+08	8,884294E+08	8,884375E+08	9,651970E+08	1,069932E+09	1,149414E+09	1,182341E+09	1,185061E+09	1,185066E+09	1,182354E+09	1,149433E+09
1158	1,069956E+09	9,652204E+08	8,884619E+08	8,884673E+08	9,652265E+08	1,069950E+09	1,149415E+09	1,182328E+09	1,185043E+09	1,185051E+09	1,182340E+09	1,149414E+09
1159	1,069929E+09	9,651904E+08	8,884269E+08	8,884225E+08	9,651885E+08	1,069932E+09	1,149415E+09	1,182338E+09	1,185048E+09	1,185044E+09	1,182330E+09	1,149408E+09
1160	1,069930E+09	9,652042E+08	8,884563E+08	8,884567E+08	9,652144E+08	1,069953E+09	1,149435E+09	1,182353E+09	1,185057E+09	1,185049E+09	1,182336E+09	1,149427E+09
1161	1,069956E+09	9,652181E+08	8,884571E+08	8,884541E+08	9,652026E+08	1,069930E+09	1,149417E+09	1,182352E+09	1,185068E+09	1,185053E+09	1,182321E+09	1,149386E+09
1162	1,069905E+09	9,651714E+08	8,884120E+08	8,884134E+08	9,651802E+08	1,069924E+09	1,149416E+09	1,182351E+09	1,185069E+09	1,185066E+09	1,182342E+09	1,149405E+09
1163	1,069919E+09	9,651932E+08	8,884467E+08	8,884494E+08	9,652112E+08	1,069946E+09	1,149419E+09	1,182337E+09	1,185053E+09	1,185060E+09	1,182353E+09	1,149428E+09
1164	1,069930E+09	9,651760E+08	8,884115E+08	8,884084E+08	9,651696E+08	1,069916E+09	1,149406E+09	1,182334E+09	1,185050E+09	1,185054E+09	1,182343E+09	1,149410E+09
1165	1,069907E+09	9,651453E+08	8,883782E+08	8,883895E+08	9,651681E+08	1,069923E+09	1,149418E+09	1,182345E+09	1,185055E+09	1,185053E+09	1,182346E+09	1,149431E+09
1166	1,069950E+09	9,651961E+08	8,884135E+08	8,884099E+08	9,651881E+08	1,069937E+09	1,149417E+09	1,182334E+09	1,185040E+09	1,185039E+09	1,182331E+09	1,149410E+09
1167	1,069921E+09	9,651680E+08	8,883864E+08	8,883672E+08	9,651372E+08	1,069902E+09	1,149406E+09	1,182337E+09	1,185046E+09	1,185039E+09	1,182323E+09	1,149396E+09
1168	1,069904E+09	9,651581E+08	8,883996E+08	8,884012E+08	9,651666E+08	1,069917E+09	1,149412E+09	1,182340E+09	1,185049E+09	1,185046E+09	1,182336E+09	1,149420E+09
1169	1,069938E+09	9,651847E+08	8,884144E+08	8,884194E+08	9,651864E+08	1,069922E+09	1,149403E+09	1,182333E+09	1,185049E+09	1,185045E+09	1,182325E+09	1,149389E+09
1170	1,069894E+09	9,651414E+08	8,883689E+08	8,883733E+08	9,651604E+08	1,069921E+09	1,149412E+09	1,182336E+09	1,185048E+09	1,185051E+09	1,182338E+09	1,149406E+09
1171	1,069910E+09	9,651687E+08	8,884149E+08	8,884201E+08	9,651940E+08	1,069946E+09	1,149428E+09	1,182341E+09	1,185043E+09	1,185042E+09	1,182339E+09	1,149428E+09
1172	1,069943E+09	9,651902E+08	8,884215E+08	8,884153E+08	9,651733E+08	1,069919E+09	1,149413E+09	1,182346E+09	1,185057E+09	1,185049E+09	1,182328E+09	1,149397E+09
1173	1,069909E+09	9,651647E+08	8,884051E+08	8,884101E+08	9,651726E+08	1,069914E+09	1,149410E+09	1,182351E+09	1,185071E+09	1,185066E+09	1,182343E+09	1,149417E+09
1174	1,069946E+09	9,652234E+08	8,884690E+08	8,884675E+08	9,652244E+08	1,069947E+09	1,149411E+09	1,182332E+09	1,185052E+09	1,185058E+09	1,182343E+09	1,149415E+09
1175	1,069934E+09	9,652085E+08	8,884595E+08	8,884502E+08	9,651958E+08	1,069924E+09	1,149402E+09	1,182331E+09	1,185053E+09	1,185057E+09	1,182337E+09	1,149404E+09
1176	1,069920E+09	9,651938E+08	8,884594E+08	8,884700E+08	9,652199E+08	1,069943E+09	1,149416E+09	1,182337E+09	1,185054E+09	1,185058E+09	1,182348E+09	1,149434E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1177	1,069969E+09	9,652444E+08	8,884936E+08	8,884981E+08	9,652475E+08	1,069959E+09	1,149421E+09	1,182342E+09	1,185056E+09	1,185049E+09	1,182327E+09	1,149401E+09
1178	1,069929E+09	9,652078E+08	8,884551E+08	8,884473E+08	9,652020E+08	1,069939E+09	1,149421E+09	1,182350E+09	1,185065E+09	1,185057E+09	1,182331E+09	1,149400E+09
1179	1,069927E+09	9,652143E+08	8,884846E+08	8,884867E+08	9,652267E+08	1,069950E+09	1,149427E+09	1,182351E+09	1,185063E+09	1,185056E+09	1,182337E+09	1,149421E+09
1180	1,069957E+09	9,652344E+08	8,884879E+08	8,884865E+08	9,652216E+08	1,069932E+09	1,149407E+09	1,182343E+09	1,185068E+09	1,185066E+09	1,182337E+09	1,149393E+09
1181	1,069907E+09	9,651789E+08	8,884317E+08	8,884381E+08	9,651960E+08	1,069925E+09	1,149404E+09	1,182340E+09	1,185069E+09	1,185075E+09	1,182355E+09	1,149421E+09
1182	1,069938E+09	9,652122E+08	8,884649E+08	8,884661E+08	9,652284E+08	1,069962E+09	1,149422E+09	1,182328E+09	1,185039E+09	1,185048E+09	1,182346E+09	1,149428E+09
1183	1,069945E+09	9,652031E+08	8,884426E+08	8,884319E+08	9,651805E+08	1,069921E+09	1,149410E+09	1,182337E+09	1,185047E+09	1,185041E+09	1,182324E+09	1,149400E+09
1184	1,069919E+09	9,651728E+08	8,884121E+08	8,884160E+08	9,651755E+08	1,069915E+09	1,149406E+09	1,182340E+09	1,185055E+09	1,185049E+09	1,182332E+09	1,149418E+09
1185	1,069954E+09	9,652225E+08	8,884548E+08	8,884496E+08	9,652083E+08	1,069934E+09	1,149406E+09	1,182334E+09	1,185050E+09	1,185043E+09	1,182320E+09	1,149390E+09
1186	1,069909E+09	9,651769E+08	8,884168E+08	8,884051E+08	9,651646E+08	1,069913E+09	1,149402E+09	1,182334E+09	1,185051E+09	1,185050E+09	1,182328E+09	1,149391E+09
1187	1,069895E+09	9,651588E+08	8,884221E+08	8,884352E+08	9,651935E+08	1,069932E+09	1,149413E+09	1,182332E+09	1,185042E+09	1,185043E+09	1,182336E+09	1,149421E+09
1188	1,069943E+09	9,651994E+08	8,884402E+08	8,884482E+08	9,652079E+08	1,069937E+09	1,149412E+09	1,182334E+09	1,185047E+09	1,185048E+09	1,182331E+09	1,149395E+09
1189	1,069903E+09	9,651577E+08	8,883933E+08	8,883976E+08	9,651721E+08	1,069922E+09	1,149411E+09	1,182344E+09	1,185061E+09	1,185060E+09	1,182342E+09	1,149412E+09
1190	1,069929E+09	9,651989E+08	8,884462E+08	8,884435E+08	9,652085E+08	1,069954E+09	1,149426E+09	1,182339E+09	1,185047E+09	1,185046E+09	1,182334E+09	1,149420E+09
1191	1,069951E+09	9,652209E+08	8,884669E+08	8,884551E+08	9,651919E+08	1,069919E+09	1,149408E+09	1,182344E+09	1,185064E+09	1,185056E+09	1,182325E+09	1,149391E+09
1192	1,069916E+09	9,651888E+08	8,884450E+08	8,884527E+08	9,651975E+08	1,069913E+09	1,149391E+09	1,182334E+09	1,185067E+09	1,185070E+09	1,182347E+09	1,149421E+09
1193	1,069957E+09	9,652466E+08	8,885062E+08	8,885094E+08	9,652551E+08	1,069958E+09	1,149407E+09	1,182327E+09	1,185050E+09	1,185055E+09	1,182338E+09	1,149411E+09
1194	1,069938E+09	9,652241E+08	8,884879E+08	8,884833E+08	9,652213E+08	1,069942E+09	1,149413E+09	1,182335E+09	1,185052E+09	1,185053E+09	1,182333E+09	1,149403E+09
1195	1,069926E+09	9,652109E+08	8,884885E+08	8,884994E+08	9,652359E+08	1,069950E+09	1,149420E+09	1,182341E+09	1,185053E+09	1,185048E+09	1,182331E+09	1,149422E+09
1196	1,069975E+09	9,652710E+08	8,885309E+08	8,885291E+08	9,652615E+08	1,069962E+09	1,149422E+09	1,182345E+09	1,185064E+09	1,185058E+09	1,182327E+09	1,149391E+09
1197	1,069926E+09	9,652237E+08	8,884875E+08	8,884807E+08	9,652159E+08	1,069933E+09	1,149411E+09	1,182350E+09	1,185080E+09	1,185076E+09	1,182341E+09	1,149401E+09
1198	1,069931E+09	9,652302E+08	8,885078E+08	8,885126E+08	9,652495E+08	1,069961E+09	1,149420E+09	1,182339E+09	1,185060E+09	1,185061E+09	1,182341E+09	1,149420E+09
1199	1,069959E+09	9,652490E+08	8,885146E+08	8,885153E+08	9,652428E+08	1,069944E+09	1,149410E+09	1,182340E+09	1,185065E+09	1,185064E+09	1,182336E+09	1,149398E+09
1200	1,069920E+09	9,651965E+08	8,884537E+08	8,884610E+08	9,652082E+08	1,069925E+09	1,149398E+09	1,182332E+09	1,185061E+09	1,185067E+09	1,182350E+09	1,149425E+09
1201	1,069955E+09	9,652383E+08	8,884933E+08	8,884905E+08	9,652391E+08	1,069959E+09	1,149419E+09	1,182334E+09	1,185045E+09	1,185043E+09	1,182331E+09	1,149415E+09
1202	1,069946E+09	9,652226E+08	8,884730E+08	8,884599E+08	9,651939E+08	1,069925E+09	1,149411E+09	1,182340E+09	1,185054E+09	1,185047E+09	1,182320E+09	1,149389E+09
1203	1,069912E+09	9,651853E+08	8,884445E+08	8,884511E+08	9,651917E+08	1,069913E+09	1,149397E+09	1,182332E+09	1,185052E+09	1,185049E+09	1,182328E+09	1,149407E+09
1204	1,069949E+09	9,652366E+08	8,884865E+08	8,884870E+08	9,652351E+08	1,069945E+09	1,149401E+09	1,182323E+09	1,185047E+09	1,185052E+09	1,182331E+09	1,149390E+09
1205	1,069906E+09	9,651830E+08	8,884365E+08	8,884339E+08	9,651874E+08	1,069924E+09	1,149402E+09	1,182329E+09	1,185053E+09	1,185058E+09	1,182338E+09	1,149402E+09
1206	1,069910E+09	9,651759E+08	8,884371E+08	8,884518E+08	9,652126E+08	1,069950E+09	1,149421E+09	1,182332E+09	1,185038E+09	1,185037E+09	1,182329E+09	1,149419E+09
1207	1,069955E+09	9,652262E+08	8,884722E+08	8,884743E+08	9,652199E+08	1,069942E+09	1,149419E+09	1,182344E+09	1,185054E+09	1,185044E+09	1,182319E+09	1,149390E+09
1208	1,069917E+09	9,651878E+08	8,884311E+08	8,884292E+08	9,651810E+08	1,069911E+09	1,149397E+09	1,182338E+09	1,185066E+09	1,185065E+09	1,182338E+09	1,149408E+09
1209	1,069939E+09	9,652312E+08	8,884929E+08	8,884873E+08	9,652280E+08	1,069948E+09	1,149413E+09	1,182337E+09	1,185055E+09	1,185052E+09	1,182331E+09	1,149409E+09
1210	1,069947E+09	9,652391E+08	8,885053E+08	8,884998E+08	9,652236E+08	1,069932E+09	1,149403E+09	1,182335E+09	1,185063E+09	1,185063E+09	1,182331E+09	1,149391E+09
1211	1,069915E+09	9,652018E+08	8,884780E+08	8,884924E+08	9,652265E+08	1,069928E+09	1,149392E+09	1,182324E+09	1,185055E+09	1,185061E+09	1,182341E+09	1,149420E+09
1212	1,069966E+09	9,652694E+08	8,885401E+08	8,885450E+08	9,652811E+08	1,069975E+09	1,149416E+09	1,182327E+09	1,185048E+09	1,185054E+09	1,182336E+09	1,149409E+09

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	1,069945E+09	9,652436E+08	8,885155E+08	8,885113E+08	9,652374E+08	1,069947E+09	1,149417E+09	1,182345E+09	1,185068E+09	1,185062E+09	1,182332E+09	1,149401E+09
1214	1,069937E+09	9,652367E+08	8,885163E+08	8,885234E+08	9,652531E+08	1,069959E+09	1,149422E+09	1,182345E+09	1,185062E+09	1,185054E+09	1,182327E+09	1,149411E+09
1215	1,069973E+09	9,652928E+08	8,885695E+08	8,885660E+08	9,652787E+08	1,069961E+09	1,149417E+09	1,182347E+09	1,185073E+09	1,185067E+09	1,182328E+09	1,149389E+09
1216	1,069929E+09	9,652374E+08	8,885151E+08	8,885129E+08	9,652343E+08	1,069929E+09	1,149392E+09	1,182334E+09	1,185077E+09	1,185084E+09	1,182352E+09	1,149411E+09
1217	1,069942E+09	9,652489E+08	8,885344E+08	8,885408E+08	9,652675E+08	1,069965E+09	1,149416E+09	1,182333E+09	1,185054E+09	1,185058E+09	1,182340E+09	1,149421E+09
1218	1,069965E+09	9,652644E+08	8,885358E+08	8,885371E+08	9,652574E+08	1,069952E+09	1,149413E+09	1,182338E+09	1,185059E+09	1,185058E+09	1,182331E+09	1,149398E+09
1219	1,069927E+09	9,652166E+08	8,884819E+08	8,884849E+08	9,652181E+08	1,069924E+09	1,149393E+09	1,182327E+09	1,185053E+09	1,185053E+09	1,182332E+09	1,149413E+09
1220	1,069960E+09	9,652651E+08	8,885309E+08	8,885236E+08	9,652547E+08	1,069959E+09	1,149413E+09	1,182327E+09	1,185045E+09	1,185047E+09	1,182327E+09	1,149402E+09
1221	1,069940E+09	9,652352E+08	8,885033E+08	8,884961E+08	9,652155E+08	1,069925E+09	1,149404E+09	1,182337E+09	1,185061E+09	1,185057E+09	1,182325E+09	1,149386E+09
1222	1,069912E+09	9,651971E+08	8,884646E+08	8,884789E+08	9,652221E+08	1,069934E+09	1,149399E+09	1,182324E+09	1,185047E+09	1,185048E+09	1,182327E+09	1,149401E+09
1223	1,069945E+09	9,652469E+08	8,885111E+08	8,885163E+08	9,652586E+08	1,069962E+09	1,149414E+09	1,182329E+09	1,185048E+09	1,185049E+09	1,182326E+09	1,149394E+09
1224	1,069918E+09	9,651985E+08	8,884565E+08	8,884557E+08	9,652008E+08	1,069927E+09	1,149402E+09	1,182332E+09	1,185057E+09	1,185060E+09	1,182338E+09	1,149407E+09
1225	1,069928E+09	9,652052E+08	8,884678E+08	8,884749E+08	9,652203E+08	1,069946E+09	1,149422E+09	1,182344E+09	1,185051E+09	1,185042E+09	1,182323E+09	1,149411E+09
1226	1,069959E+09	9,652506E+08	8,885076E+08	8,885050E+08	9,652327E+08	1,069941E+09	1,149416E+09	1,182347E+09	1,185067E+09	1,185058E+09	1,182324E+09	1,149386E+09
1227	1,069917E+09	9,652097E+08	8,884733E+08	8,884711E+08	9,652008E+08	1,069906E+09	1,149380E+09	1,182325E+09	1,185062E+09	1,185066E+09	1,182338E+09	1,149405E+09
1228	1,069944E+09	9,652544E+08	8,885338E+08	8,885330E+08	9,652600E+08	1,069956E+09	1,149402E+09	1,182318E+09	1,185047E+09	1,185060E+09	1,182341E+09	1,149414E+09
1229	1,069952E+09	9,652547E+08	8,885355E+08	8,885378E+08	9,652534E+08	1,069946E+09	1,149405E+09	1,182329E+09	1,185058E+09	1,185063E+09	1,182335E+09	1,149400E+09
1230	1,069932E+09	9,652275E+08	8,885036E+08	8,885179E+08	9,652511E+08	1,069947E+09	1,149402E+09	1,182325E+09	1,185048E+09	1,185048E+09	1,182326E+09	1,149409E+09
1231	1,069971E+09	9,652969E+08	8,885785E+08	8,885778E+08	9,652985E+08	1,069982E+09	1,149425E+09	1,182340E+09	1,185058E+09	1,185050E+09	1,182319E+09	1,149398E+09
1232	1,069952E+09	9,652685E+08	8,885524E+08	8,885455E+08	9,652523E+08	1,069941E+09	1,149405E+09	1,182344E+09	1,185078E+09	1,185071E+09	1,182330E+09	1,149394E+09
1233	1,069940E+09	9,652594E+08	8,885527E+08	8,885593E+08	9,652708E+08	1,069954E+09	1,149413E+09	1,182346E+09	1,185071E+09	1,185065E+09	1,182329E+09	1,149403E+09
1234	1,069965E+09	9,653011E+08	8,885954E+08	8,885988E+08	9,653046E+08	1,069972E+09	1,149415E+09	1,182341E+09	1,185074E+09	1,185075E+09	1,182339E+09	1,149395E+09
1235	1,069929E+09	9,652474E+08	8,885401E+08	8,885400E+08	9,652521E+08	1,069935E+09	1,149388E+09	1,182322E+09	1,185063E+09	1,185074E+09	1,182348E+09	1,149416E+09
1236	1,069955E+09	9,652705E+08	8,885623E+08	8,885668E+08	9,652835E+08	1,069970E+09	1,149415E+09	1,182327E+09	1,185050E+09	1,185057E+09	1,182338E+09	1,149421E+09
1237	1,069974E+09	9,652843E+08	8,885610E+08	8,885596E+08	9,652697E+08	1,069953E+09	1,149412E+09	1,182340E+09	1,185066E+09	1,185061E+09	1,182327E+09	1,149395E+09
1238	1,069937E+09	9,652411E+08	8,885084E+08	8,885074E+08	9,652351E+08	1,069931E+09	1,149392E+09	1,182326E+09	1,185054E+09	1,185051E+09	1,182322E+09	1,149398E+09
1239	1,069954E+09	9,652817E+08	8,885658E+08	8,885602E+08	9,652770E+08	1,069964E+09	1,149412E+09	1,182330E+09	1,185051E+09	1,185047E+09	1,182321E+09	1,149398E+09
1240	1,069940E+09	9,652444E+08	8,885261E+08	8,885264E+08	9,652392E+08	1,069930E+09	1,149394E+09	1,182328E+09	1,185061E+09	1,185062E+09	1,182330E+09	1,149392E+09
1241	1,069920E+09	9,652126E+08	8,884868E+08	8,885014E+08	9,652381E+08	1,069942E+09	1,149407E+09	1,182331E+09	1,185048E+09	1,185047E+09	1,182325E+09	1,149401E+09
1242	1,069949E+09	9,652601E+08	8,885320E+08	8,885362E+08	9,652714E+08	1,069970E+09	1,149423E+09	1,182338E+09	1,185053E+09	1,185050E+09	1,182325E+09	1,149394E+09
1243	1,069923E+09	9,652212E+08	8,884894E+08	8,884803E+08	9,652080E+08	1,069920E+09	1,149394E+09	1,182330E+09	1,185059E+09	1,185057E+09	1,182329E+09	1,149401E+09
1244	1,069936E+09	9,652367E+08	8,885132E+08	8,885137E+08	9,652367E+08	1,069939E+09	1,149406E+09	1,182332E+09	1,185056E+09	1,185056E+09	1,182328E+09	1,149405E+09
1245	1,069959E+09	9,652705E+08	8,885454E+08	8,885459E+08	9,652579E+08	1,069940E+09	1,149401E+09	1,182337E+09	1,185069E+09	1,185068E+09	1,182332E+09	1,149391E+09
1246	1,069925E+09	9,652307E+08	8,885043E+08	8,885087E+08	9,652380E+08	1,069926E+09	1,149379E+09	1,182312E+09	1,185051E+09	1,185059E+09	1,182334E+09	1,149403E+09
1247	1,069947E+09	9,652746E+08	8,885705E+08	8,885737E+08	9,652915E+08	1,069974E+09	1,149413E+09	1,182321E+09	1,185042E+09	1,185046E+09	1,182329E+09	1,149414E+09
1248	1,069964E+09	9,652750E+08	8,885643E+08	8,885689E+08	9,652759E+08	1,069954E+09	1,149407E+09	1,182334E+09	1,185062E+09	1,185060E+09	1,182328E+09	1,149397E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1249	1,069944E+09	9,652572E+08	8,885401E+08	8,885466E+08	9,652653E+08	1,069952E+09	1,149411E+09	1,182341E+09	1,185062E+09	1,185053E+09	1,182318E+09	1,149395E+09
1250	1,069966E+09	9,653139E+08	8,886131E+08	8,886103E+08	9,653152E+08	1,069985E+09	1,149426E+09	1,182348E+09	1,185074E+09	1,185066E+09	1,182325E+09	1,149392E+09
1251	1,069945E+09	9,652834E+08	8,885881E+08	8,885812E+08	9,652711E+08	1,069936E+09	1,149390E+09	1,182334E+09	1,185079E+09	1,185079E+09	1,182336E+09	1,149397E+09
1252	1,069945E+09	9,652770E+08	8,885848E+08	8,885943E+08	9,652957E+08	1,069959E+09	1,149399E+09	1,182327E+09	1,185067E+09	1,185076E+09	1,182342E+09	1,149413E+09
1253	1,069974E+09	9,653136E+08	8,886159E+08	8,886221E+08	9,653227E+08	1,069980E+09	1,149414E+09	1,182335E+09	1,185068E+09	1,185073E+09	1,182343E+09	1,149408E+09
1254	1,069951E+09	9,652726E+08	8,885620E+08	8,885587E+08	9,652692E+08	1,069945E+09	1,149392E+09	1,182320E+09	1,185053E+09	1,185056E+09	1,182330E+09	1,149407E+09
1255	1,069963E+09	9,652984E+08	8,886000E+08	8,885965E+08	9,652968E+08	1,069971E+09	1,149416E+09	1,182333E+09	1,185052E+09	1,185045E+09	1,182318E+09	1,149410E+09
1256	1,069980E+09	9,653054E+08	8,885951E+08	8,885924E+08	9,652865E+08	1,069948E+09	1,149400E+09	1,182335E+09	1,185070E+09	1,185065E+09	1,182322E+09	1,149385E+09
1257	1,069936E+09	9,652601E+08	8,885424E+08	8,885408E+08	9,652557E+08	1,069935E+09	1,149391E+09	1,182328E+09	1,185060E+09	1,185057E+09	1,182320E+09	1,149386E+09
1258	1,069940E+09	9,652823E+08	8,885866E+08	8,885891E+08	9,653038E+08	1,069981E+09	1,149418E+09	1,182332E+09	1,185055E+09	1,185055E+09	1,182327E+09	1,149398E+09
1259	1,069936E+09	9,652514E+08	8,885474E+08	8,885486E+08	9,652554E+08	1,069937E+09	1,149396E+09	1,182328E+09	1,185058E+09	1,185058E+09	1,182328E+09	1,149396E+09
1260	1,069931E+09	9,652320E+08	8,885120E+08	8,885231E+08	9,652507E+08	1,069943E+09	1,149404E+09	1,182330E+09	1,185056E+09	1,185058E+09	1,182329E+09	1,149404E+09
1261	1,069959E+09	9,652799E+08	8,885584E+08	8,885572E+08	9,652805E+08	1,069967E+09	1,149418E+09	1,182342E+09	1,185065E+09	1,185062E+09	1,182331E+09	1,149399E+09
1262	1,069938E+09	9,652487E+08	8,885232E+08	8,885099E+08	9,652257E+08	1,069919E+09	1,149383E+09	1,182321E+09	1,185056E+09	1,185057E+09	1,182326E+09	1,149393E+09
1263	1,069937E+09	9,652597E+08	8,885570E+08	8,885587E+08	9,652645E+08	1,069942E+09	1,149395E+09	1,182323E+09	1,185053E+09	1,185052E+09	1,182325E+09	1,149409E+09
1264	1,069968E+09	9,652880E+08	8,885781E+08	8,885853E+08	9,652906E+08	1,069950E+09	1,149390E+09	1,182320E+09	1,185059E+09	1,185066E+09	1,182333E+09	1,149397E+09
1265	1,069939E+09	9,652554E+08	8,885380E+08	8,885398E+08	9,652603E+08	1,069941E+09	1,149391E+09	1,182317E+09	1,185046E+09	1,185048E+09	1,182322E+09	1,149395E+09
1266	1,069949E+09	9,652918E+08	8,886002E+08	8,886032E+08	9,653129E+08	1,069988E+09	1,149426E+09	1,182336E+09	1,185050E+09	1,185043E+09	1,182317E+09	1,149403E+09
1267	1,069965E+09	9,652994E+08	8,886036E+08	8,886001E+08	9,652896E+08	1,069952E+09	1,149403E+09	1,182337E+09	1,185069E+09	1,185060E+09	1,182316E+09	1,149385E+09
1268	1,069946E+09	9,652825E+08	8,885835E+08	8,885857E+08	9,652845E+08	1,069948E+09	1,149398E+09	1,182335E+09	1,185075E+09	1,185074E+09	1,182325E+09	1,149390E+09
1269	1,069962E+09	9,653256E+08	8,886433E+08	8,886451E+08	9,653389E+08	1,069988E+09	1,149417E+09	1,182341E+09	1,185080E+09	1,185081E+09	1,182339E+09	1,149402E+09
1270	1,069955E+09	9,652994E+08	8,886120E+08	8,886101E+08	9,652991E+08	1,069951E+09	1,149388E+09	1,182323E+09	1,185069E+09	1,185074E+09	1,182336E+09	1,149400E+09
1271	1,069954E+09	9,652969E+08	8,886166E+08	8,886261E+08	9,653172E+08	1,069968E+09	1,149403E+09	1,182328E+09	1,185062E+09	1,185063E+09	1,182333E+09	1,149420E+09
1272	1,069993E+09	9,653365E+08	8,886424E+08	8,886461E+08	9,653374E+08	1,069980E+09	1,149408E+09	1,182333E+09	1,185070E+09	1,185070E+09	1,182334E+09	1,149406E+09
1273	1,069965E+09	9,653034E+08	8,885989E+08	8,885845E+08	9,652784E+08	1,069946E+09	1,149397E+09	1,182329E+09	1,185060E+09	1,185055E+09	1,182317E+09	1,149390E+09
1274	1,069956E+09	9,653123E+08	8,886332E+08	8,886300E+08	9,653155E+08	1,069974E+09	1,149415E+09	1,182338E+09	1,185062E+09	1,185053E+09	1,182316E+09	1,149397E+09
1275	1,069968E+09	9,653147E+08	8,886257E+08	8,886255E+08	9,653086E+08	1,069951E+09	1,149388E+09	1,182326E+09	1,185069E+09	1,185069E+09	1,182323E+09	1,149383E+09
1276	1,069936E+09	9,652703E+08	8,885683E+08	8,885707E+08	9,652805E+08	1,069946E+09	1,149384E+09	1,182315E+09	1,185060E+09	1,185070E+09	1,182331E+09	1,149392E+09
1277	1,069944E+09	9,652876E+08	8,885991E+08	8,886042E+08	9,653170E+08	1,069990E+09	1,149423E+09	1,182333E+09	1,185056E+09	1,185058E+09	1,182332E+09	1,149409E+09
1278	1,069954E+09	9,652718E+08	8,885658E+08	8,885637E+08	9,652675E+08	1,069942E+09	1,149397E+09	1,182329E+09	1,185057E+09	1,185050E+09	1,182316E+09	1,149391E+09
1279	1,069942E+09	9,652600E+08	8,885511E+08	8,885545E+08	9,652622E+08	1,069937E+09	1,149395E+09	1,182330E+09	1,185060E+09	1,185051E+09	1,182317E+09	1,149400E+09
1280	1,069969E+09	9,653032E+08	8,885949E+08	8,885919E+08	9,652969E+08	1,069958E+09	1,149398E+09	1,182329E+09	1,185066E+09	1,185067E+09	1,182331E+09	1,149396E+09
1281	1,069945E+09	9,652738E+08	8,885644E+08	8,885498E+08	9,652509E+08	1,069928E+09	1,149382E+09	1,182315E+09	1,185051E+09	1,185055E+09	1,182321E+09	1,149385E+09
1282	1,069932E+09	9,652705E+08	8,885887E+08	8,885971E+08	9,652971E+08	1,069963E+09	1,149402E+09	1,182322E+09	1,185049E+09	1,185049E+09	1,182321E+09	1,149404E+09
1283	1,069969E+09	9,653050E+08	8,886100E+08	8,886168E+08	9,653145E+08	1,069964E+09	1,149395E+09	1,182321E+09	1,185056E+09	1,185057E+09	1,182321E+09	1,149392E+09
1284	1,069949E+09	9,652806E+08	8,885739E+08	8,885719E+08	9,652811E+08	1,069949E+09	1,149391E+09	1,182322E+09	1,185060E+09	1,185061E+09	1,182319E+09	1,149387E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1285	1,069953E+09	9,653089E+08	8,886293E+08	8,886295E+08	9,653268E+08	1,069992E+09	1,149428E+09	1,182346E+09	1,185070E+09	1,185060E+09	1,182322E+09	1,149402E+09
1286	1,069972E+09	9,653209E+08	8,886365E+08	8,886336E+08	9,653103E+08	1,069953E+09	1,149396E+09	1,182336E+09	1,185077E+09	1,185069E+09	1,182318E+09	1,149381E+09
1287	1,069946E+09	9,653017E+08	8,886231E+08	8,886280E+08	9,653101E+08	1,069950E+09	1,149386E+09	1,182327E+09	1,185076E+09	1,185076E+09	1,182332E+09	1,149402E+09
1288	1,069975E+09	9,653416E+08	8,886705E+08	8,886759E+08	9,653615E+08	1,069994E+09	1,149406E+09	1,182326E+09	1,185072E+09	1,185082E+09	1,182346E+09	1,149414E+09
1289	1,069976E+09	9,653280E+08	8,886448E+08	8,886364E+08	9,653127E+08	1,069960E+09	1,149396E+09	1,182323E+09	1,185060E+09	1,185063E+09	1,182325E+09	1,149396E+09
1290	1,069962E+09	9,653190E+08	8,886483E+08	8,886547E+08	9,653341E+08	1,069975E+09	1,149407E+09	1,182333E+09	1,185066E+09	1,185058E+09	1,182319E+09	1,149405E+09
1291	1,069995E+09	9,653628E+08	8,886817E+08	8,886769E+08	9,653511E+08	1,069978E+09	1,149398E+09	1,182329E+09	1,185071E+09	1,185067E+09	1,182320E+09	1,149390E+09
1292	1,069964E+09	9,653241E+08	8,886380E+08	8,886236E+08	9,653006E+08	1,069947E+09	1,149382E+09	1,182320E+09	1,185070E+09	1,185071E+09	1,182319E+09	1,149380E+09
1293	1,069946E+09	9,653143E+08	8,886533E+08	8,886596E+08	9,653411E+08	1,069987E+09	1,149415E+09	1,182335E+09	1,185068E+09	1,185065E+09	1,182326E+09	1,149401E+09
1294	1,069971E+09	9,653206E+08	8,886406E+08	8,886487E+08	9,653325E+08	1,069967E+09	1,149392E+09	1,182321E+09	1,185063E+09	1,185063E+09	1,182321E+09	1,149384E+09
1295	1,069941E+09	9,652824E+08	8,885903E+08	8,885939E+08	9,652944E+08	1,069953E+09	1,149390E+09	1,182321E+09	1,185060E+09	1,185061E+09	1,182326E+09	1,149401E+09
1296	1,069962E+09	9,653063E+08	8,886185E+08	8,886198E+08	9,653237E+08	1,069988E+09	1,149417E+09	1,182333E+09	1,185063E+09	1,185062E+09	1,182331E+09	1,149410E+09
1297	1,069971E+09	9,653031E+08	8,886008E+08	8,885857E+08	9,652700E+08	1,069938E+09	1,149397E+09	1,182332E+09	1,185062E+09	1,185054E+09	1,182309E+09	1,149379E+09
1298	1,069940E+09	9,652782E+08	8,885877E+08	8,885919E+08	9,652819E+08	1,069937E+09	1,149386E+09	1,182327E+09	1,185065E+09	1,185059E+09	1,182316E+09	1,149391E+09
1299	1,069966E+09	9,653219E+08	8,886321E+08	8,886308E+08	9,653223E+08	1,069961E+09	1,149382E+09	1,182312E+09	1,185058E+09	1,185065E+09	1,182329E+09	1,149395E+09
1300	1,069951E+09	9,652927E+08	8,885995E+08	8,885892E+08	9,652810E+08	1,069942E+09	1,149376E+09	1,182303E+09	1,185048E+09	1,185059E+09	1,182321E+09	1,149385E+09
1301	1,069938E+09	9,652832E+08	8,886116E+08	8,886230E+08	9,653180E+08	1,069979E+09	1,149414E+09	1,182329E+09	1,185052E+09	1,185047E+09	1,182316E+09	1,149403E+09
1302	1,069981E+09	9,653283E+08	8,886386E+08	8,886442E+08	9,653330E+08	1,069972E+09	1,149400E+09	1,182327E+09	1,185061E+09	1,185052E+09	1,182306E+09	1,149378E+09
1303	1,069952E+09	9,653074E+08	8,886179E+08	8,886117E+08	9,652985E+08	1,069949E+09	1,149388E+09	1,182327E+09	1,185071E+09	1,185064E+09	1,182314E+09	1,149384E+09
1304	1,069958E+09	9,653288E+08	8,886641E+08	8,886662E+08	9,653469E+08	1,069988E+09	1,149412E+09	1,182338E+09	1,185079E+09	1,185077E+09	1,182332E+09	1,149404E+09
1305	1,069980E+09	9,653444E+08	8,886741E+08	8,886705E+08	9,653328E+08	1,069962E+09	1,149395E+09	1,182330E+09	1,185076E+09	1,185074E+09	1,182323E+09	1,149382E+09
1306	1,069949E+09	9,653159E+08	8,886540E+08	8,886649E+08	9,653383E+08	1,069965E+09	1,149389E+09	1,182324E+09	1,185073E+09	1,185076E+09	1,182332E+09	1,149404E+09
1307	1,069985E+09	9,653648E+08	8,887022E+08	8,887046E+08	9,653786E+08	1,069999E+09	1,149403E+09	1,182322E+09	1,185066E+09	1,185073E+09	1,182337E+09	1,149414E+09
1308	1,069991E+09	9,653578E+08	8,886832E+08	8,886703E+08	9,653319E+08	1,069965E+09	1,149390E+09	1,182321E+09	1,185069E+09	1,185070E+09	1,182319E+09	1,149386E+09
1309	1,069965E+09	9,653377E+08	8,886781E+08	8,886820E+08	9,653479E+08	1,069979E+09	1,149407E+09	1,182337E+09	1,185075E+09	1,185066E+09	1,182318E+09	1,149397E+09
1310	1,069995E+09	9,653779E+08	8,887097E+08	8,887101E+08	9,653737E+08	1,069983E+09	1,149392E+09	1,182324E+09	1,185072E+09	1,185069E+09	1,182317E+09	1,149381E+09
1311	1,069959E+09	9,653349E+08	8,886677E+08	8,886610E+08	9,653272E+08	1,069957E+09	1,149377E+09	1,182313E+09	1,185067E+09	1,185070E+09	1,182323E+09	1,149388E+09
1312	1,069953E+09	9,653199E+08	8,886647E+08	8,886777E+08	9,653566E+08	1,069995E+09	1,149413E+09	1,182328E+09	1,185065E+09	1,185067E+09	1,182331E+09	1,149410E+09
1313	1,069987E+09	9,653414E+08	8,886615E+08	8,886631E+08	9,653364E+08	1,069973E+09	1,149405E+09	1,182329E+09	1,185061E+09	1,185056E+09	1,182312E+09	1,149379E+09
1314	1,069947E+09	9,653023E+08	8,886174E+08	8,886164E+08	9,653023E+08	1,069952E+09	1,149390E+09	1,182326E+09	1,185067E+09	1,185061E+09	1,182316E+09	1,149388E+09
1315	1,069965E+09	9,653341E+08	8,886559E+08	8,886478E+08	9,653296E+08	1,069976E+09	1,149399E+09	1,182323E+09	1,185063E+09	1,185063E+09	1,182324E+09	1,149400E+09
1316	1,069974E+09	9,653282E+08	8,886428E+08	8,886286E+08	9,652939E+08	1,069937E+09	1,149376E+09	1,182315E+09	1,185066E+09	1,185067E+09	1,182313E+09	1,149372E+09
1317	1,069936E+09	9,652876E+08	8,886139E+08	8,886266E+08	9,653109E+08	1,069952E+09	1,149384E+09	1,182319E+09	1,185063E+09	1,185063E+09	1,182321E+09	1,149394E+09
1318	1,069971E+09	9,653340E+08	8,886556E+08	8,886639E+08	9,653520E+08	1,069981E+09	1,149389E+09	1,182308E+09	1,185049E+09	1,185055E+09	1,182319E+09	1,149391E+09
1319	1,069957E+09	9,653118E+08	8,886309E+08	8,886247E+08	9,653049E+08	1,069955E+09	1,149385E+09	1,182312E+09	1,185051E+09	1,185051E+09	1,182314E+09	1,149387E+09
1320	1,069950E+09	9,653034E+08	8,886366E+08	8,886474E+08	9,653320E+08	1,069983E+09	1,149415E+09	1,182336E+09	1,185066E+09	1,185058E+09	1,182317E+09	1,149400E+09

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°
1321	1,069991E+09	9,653579E+08	8,886783E+08	8,886745E+08	9,653419E+08	1,069974E+09	1,149406E+09	1,182335E+09	1,185072E+09	1,185063E+09	1,182307E+09	1,149369E+09
1322	1,069948E+09	9,653245E+08	8,886559E+08	8,886540E+08	9,653221E+08	1,069951E+09	1,149380E+09	1,182326E+09	1,185082E+09	1,185080E+09	1,182323E+09	1,149382E+09
1323	1,069961E+09	9,653506E+08	8,886996E+08	8,887030E+08	9,653701E+08	1,069991E+09	1,149396E+09	1,182320E+09	1,185072E+09	1,185081E+09	1,182339E+09	1,149413E+09
1324	1,069994E+09	9,653694E+08	8,887089E+08	8,887066E+08	9,653581E+08	1,069972E+09	1,149386E+09	1,182316E+09	1,185071E+09	1,185078E+09	1,182326E+09	1,149387E+09
1325	1,069963E+09	9,653370E+08	8,886800E+08	8,886907E+08	9,653564E+08	1,069976E+09	1,149395E+09	1,182326E+09	1,185071E+09	1,185070E+09	1,182326E+09	1,149404E+09
1326	1,070000E+09	9,653923E+08	8,887354E+08	8,887359E+08	9,653953E+08	1,070001E+09	1,149400E+09	1,182320E+09	1,185063E+09	1,185061E+09	1,182317E+09	1,149397E+09
1327	1,069992E+09	9,653827E+08	8,887256E+08	8,887121E+08	9,653520E+08	1,069965E+09	1,149385E+09	1,182320E+09	1,185070E+09	1,185065E+09	1,182310E+09	1,149378E+09
1328	1,069963E+09	9,653508E+08	8,887054E+08	8,887152E+08	9,653703E+08	1,069983E+09	1,149399E+09	1,182331E+09	1,185079E+09	1,185076E+09	1,182322E+09	1,149393E+09
1329	1,069993E+09	9,653922E+08	8,887363E+08	8,887370E+08	9,653922E+08	1,069998E+09	1,149402E+09	1,182323E+09	1,185069E+09	1,185070E+09	1,182316E+09	1,149376E+09
1330	1,069955E+09	9,653408E+08	8,886867E+08	8,886866E+08	9,653473E+08	1,069970E+09	1,149387E+09	1,182320E+09	1,185071E+09	1,185072E+09	1,182322E+09	1,149386E+09
1331	1,069960E+09	9,653387E+08	8,886845E+08	8,886935E+08	9,653627E+08	1,069993E+09	1,149408E+09	1,182328E+09	1,185067E+09	1,185066E+09	1,182327E+09	1,149410E+09
1332	1,069999E+09	9,653676E+08	8,886914E+08	8,886870E+08	9,653450E+08	1,069968E+09	1,149393E+09	1,182327E+09	1,185075E+09	1,185069E+09	1,182312E+09	1,149373E+09
1333	1,069950E+09	9,653207E+08	8,886452E+08	8,886420E+08	9,653129E+08	1,069949E+09	1,149383E+09	1,182324E+09	1,185073E+09	1,185071E+09	1,182320E+09	1,149386E+09
1334	1,069968E+09	9,653505E+08	8,886873E+08	8,886857E+08	9,653524E+08	1,069975E+09	1,149384E+09	1,182309E+09	1,185057E+09	1,185062E+09	1,182322E+09	1,149396E+09
1335	1,069974E+09	9,653438E+08	8,886771E+08	8,886722E+08	9,653265E+08	1,069951E+09	1,149371E+09	1,182302E+09	1,185053E+09	1,185059E+09	1,182315E+09	1,149381E+09
1336	1,069945E+09	9,653015E+08	8,886342E+08	8,886529E+08	9,653339E+08	1,069968E+09	1,149389E+09	1,182314E+09	1,185057E+09	1,185060E+09	1,182320E+09	1,149396E+09
1337	1,069984E+09	9,653599E+08	8,886853E+08	8,886870E+08	9,653646E+08	1,069995E+09	1,149408E+09	1,182320E+09	1,185051E+09	1,185047E+09	1,182305E+09	1,149380E+09
1338	1,069960E+09	9,653344E+08	8,886655E+08	8,886584E+08	9,653230E+08	1,069960E+09	1,149390E+09	1,182324E+09	1,185067E+09	1,185058E+09	1,182304E+09	1,149371E+09
1339	1,069951E+09	9,653308E+08	8,886742E+08	8,886801E+08	9,653445E+08	1,069975E+09	1,149402E+09	1,182332E+09	1,185075E+09	1,185069E+09	1,182318E+09	1,149395E+09
1340	1,069993E+09	9,653814E+08	8,887197E+08	8,887191E+08	9,653691E+08	1,069975E+09	1,149388E+09	1,182325E+09	1,185082E+09	1,185082E+09	1,182319E+09	1,149371E+09
1341	1,069949E+09	9,653382E+08	8,886847E+08	8,886886E+08	9,653487E+08	1,069963E+09	1,149378E+09	1,182318E+09	1,185078E+09	1,185085E+09	1,182332E+09	1,149392E+09
1342	1,069973E+09	9,653689E+08	8,887279E+08	8,887368E+08	9,653936E+08	1,070000E+09	1,149396E+09	1,182313E+09	1,185062E+09	1,185069E+09	1,182331E+09	1,149413E+09
1343	1,070008E+09	9,653973E+08	8,887461E+08	8,887444E+08	9,653826E+08	1,069981E+09	1,149388E+09	1,182316E+09	1,185066E+09	1,185066E+09	1,182316E+09	1,149388E+09
1344	1,069976E+09	9,653635E+08	8,887105E+08	8,887170E+08	9,653705E+08	1,069979E+09	1,149393E+09	1,182327E+09	1,185078E+09	1,185073E+09	1,182319E+09	1,149395E+09
1345	1,070005E+09	9,654203E+08	8,887752E+08	8,887674E+08	9,654074E+08	1,070006E+09	1,149408E+09	1,182326E+09	1,185069E+09	1,185064E+09	1,182309E+09	1,149382E+09
1346	1,069983E+09	9,653943E+08	8,887587E+08	8,887534E+08	9,653800E+08	1,069971E+09	1,149382E+09	1,182321E+09	1,185079E+09	1,185075E+09	1,182311E+09	1,149369E+09
1347	1,069959E+09	9,653632E+08	8,887280E+08	8,887414E+08	9,653902E+08	1,069989E+09	1,149391E+09	1,182320E+09	1,185076E+09	1,185080E+09	1,182328E+09	1,149398E+09
1348	1,070000E+09	9,654065E+08	8,887588E+08	8,887616E+08	9,654099E+08	1,070004E+09	1,149398E+09	1,182319E+09	1,185072E+09	1,185075E+09	1,182320E+09	1,149380E+09
1349	1,069962E+09	9,653551E+08	8,887033E+08	8,887008E+08	9,653550E+08	1,069973E+09	1,149391E+09	1,182325E+09	1,185075E+09	1,185072E+09	1,182320E+09	1,149388E+09
1350	1,069971E+09	9,653607E+08	8,887125E+08	8,887173E+08	9,653698E+08	1,069983E+09	1,149398E+09	1,182323E+09	1,185067E+09	1,185062E+09	1,182316E+09	1,149400E+09
1351	1,070003E+09	9,653919E+08	8,887304E+08	8,887254E+08	9,653636E+08	1,069963E+09	1,149379E+09	1,182317E+09	1,185070E+09	1,185067E+09	1,182312E+09	1,149373E+09
1352	1,069952E+09	9,653361E+08	8,886728E+08	8,886751E+08	9,653374E+08	1,069954E+09	1,149373E+09	1,182312E+09	1,185070E+09	1,185075E+09	1,182325E+09	1,149387E+09
1353	1,069972E+09	9,653685E+08	8,887175E+08	8,887160E+08	9,653760E+08	1,069994E+09	1,149397E+09	1,182305E+09	1,185047E+09	1,185053E+09	1,182316E+09	1,149391E+09
1354	1,069973E+09	9,653548E+08	8,887024E+08	8,887053E+08	9,653547E+08	1,069969E+09	1,149386E+09	1,182312E+09	1,185056E+09	1,185054E+09	1,182306E+09	1,149373E+09
1355	1,069952E+09	9,653253E+08	8,886601E+08	8,886750E+08	9,653477E+08	1,069973E+09	1,149393E+09	1,182321E+09	1,185064E+09	1,185061E+09	1,182314E+09	1,149391E+09
1356	1,069991E+09	9,653862E+08	8,887206E+08	8,887164E+08	9,653782E+08	1,069993E+09	1,149401E+09	1,182325E+09	1,185071E+09	1,185063E+09	1,182306E+09	1,149371E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1357	1,069959E+09	9,653519E+08	8,886967E+08	8,886887E+08	9,653384E+08	1,069959E+09	1,149387E+09	1,182328E+09	1,185081E+09	1,185075E+09	1,182315E+09	1,149373E+09
1358	1,069954E+09	9,653477E+08	8,887086E+08	8,887203E+08	9,653676E+08	1,069971E+09	1,149384E+09	1,182318E+09	1,185072E+09	1,185073E+09	1,182323E+09	1,149398E+09
1359	1,069999E+09	9,654009E+08	8,887549E+08	8,887601E+08	9,653987E+08	1,069984E+09	1,149380E+09	1,182309E+09	1,185067E+09	1,185076E+09	1,182326E+09	1,149386E+09
1360	1,069966E+09	9,653607E+08	8,887124E+08	8,887165E+08	9,653693E+08	1,069973E+09	1,149380E+09	1,182311E+09	1,185069E+09	1,185077E+09	1,182329E+09	1,149397E+09
1361	1,069992E+09	9,654038E+08	8,887671E+08	8,887647E+08	9,654064E+08	1,070008E+09	1,149406E+09	1,182316E+09	1,185057E+09	1,185055E+09	1,182311E+09	1,149399E+09
1362	1,070011E+09	9,654243E+08	8,887886E+08	8,887853E+08	9,654060E+08	1,069986E+09	1,149389E+09	1,182323E+09	1,185075E+09	1,185066E+09	1,182299E+09	1,149366E+09
1363	1,069974E+09	9,653904E+08	8,887507E+08	8,887541E+08	9,653907E+08	1,069977E+09	1,149381E+09	1,182321E+09	1,185083E+09	1,185080E+09	1,182317E+09	1,149383E+09
1364	1,069998E+09	9,654347E+08	8,888104E+08	8,888085E+08	9,654372E+08	1,070012E+09	1,149397E+09	1,182321E+09	1,185080E+09	1,185078E+09	1,182316E+09	1,149378E+09
1365	1,069976E+09	9,653975E+08	8,887765E+08	8,887792E+08	9,654050E+08	1,069988E+09	1,149390E+09	1,182324E+09	1,185082E+09	1,185082E+09	1,182320E+09	1,149378E+09
1366	1,069965E+09	9,653712E+08	8,887452E+08	8,887632E+08	9,654048E+08	1,069993E+09	1,149393E+09	1,182320E+09	1,185073E+09	1,185074E+09	1,182324E+09	1,149401E+09
1367	1,070011E+09	9,654258E+08	8,887840E+08	8,887849E+08	9,654238E+08	1,070007E+09	1,149397E+09	1,182319E+09	1,185070E+09	1,185071E+09	1,182321E+09	1,149388E+09
1368	1,069976E+09	9,653780E+08	8,887289E+08	8,887186E+08	9,653608E+08	1,069968E+09	1,149384E+09	1,182323E+09	1,185079E+09	1,185078E+09	1,182322E+09	1,149387E+09
1369	1,069980E+09	9,653875E+08	8,887494E+08	8,887447E+08	9,653798E+08	1,069982E+09	1,149394E+09	1,182319E+09	1,185065E+09	1,185062E+09	1,182311E+09	1,149392E+09
1370	1,070000E+09	9,654060E+08	8,887639E+08	8,887662E+08	9,653949E+08	1,069971E+09	1,149372E+09	1,182310E+09	1,185069E+09	1,185068E+09	1,182308E+09	1,149367E+09
1371	1,069956E+09	9,653538E+08	8,886979E+08	8,887017E+08	9,653602E+08	1,069964E+09	1,149368E+09	1,182300E+09	1,185060E+09	1,185070E+09	1,182323E+09	1,149389E+09
1372	1,069979E+09	9,653860E+08	8,887445E+08	8,887444E+08	9,653976E+08	1,070004E+09	1,149400E+09	1,182311E+09	1,185052E+09	1,185050E+09	1,182308E+09	1,149387E+09
1373	1,069978E+09	9,653717E+08	8,887262E+08	8,887261E+08	9,653684E+08	1,069975E+09	1,149394E+09	1,182325E+09	1,185066E+09	1,185055E+09	1,182298E+09	1,149366E+09
1374	1,069955E+09	9,653444E+08	8,886932E+08	8,887040E+08	9,653576E+08	1,069965E+09	1,149384E+09	1,182321E+09	1,185072E+09	1,185064E+09	1,182306E+09	1,149380E+09
1375	1,069990E+09	9,654065E+08	8,887604E+08	8,887575E+08	9,654021E+08	1,069993E+09	1,149389E+09	1,182317E+09	1,185070E+09	1,185071E+09	1,182316E+09	1,149376E+09
1376	1,069962E+09	9,653683E+08	8,887270E+08	8,887221E+08	9,653627E+08	1,069964E+09	1,149375E+09	1,182316E+09	1,185080E+09	1,185084E+09	1,182326E+09	1,149382E+09
1377	1,069965E+09	9,653714E+08	8,887441E+08	8,887521E+08	9,653899E+08	1,069986E+09	1,149389E+09	1,182312E+09	1,185063E+09	1,185066E+09	1,182320E+09	1,149401E+09
1378	1,070009E+09	9,654223E+08	8,887899E+08	8,887986E+08	9,654277E+08	1,069997E+09	1,149386E+09	1,182313E+09	1,185068E+09	1,185069E+09	1,182312E+09	1,149380E+09
1379	1,069981E+09	9,653934E+08	8,887486E+08	8,887459E+08	9,653868E+08	1,069977E+09	1,149377E+09	1,182312E+09	1,185072E+09	1,185074E+09	1,182318E+09	1,149389E+09
1380	1,069999E+09	9,654328E+08	8,888105E+08	8,888033E+08	9,654270E+08	1,070009E+09	1,149400E+09	1,182322E+09	1,185073E+09	1,185064E+09	1,182305E+09	1,149385E+09
1381	1,070005E+09	9,654393E+08	8,888220E+08	8,888211E+08	9,654298E+08	1,069992E+09	1,149388E+09	1,182327E+09	1,185087E+09	1,185079E+09	1,182305E+09	1,149362E+09
1382	1,069969E+09	9,653985E+08	8,887803E+08	8,887913E+08	9,654168E+08	1,069982E+09	1,149371E+09	1,182312E+09	1,185082E+09	1,185085E+09	1,182321E+09	1,149385E+09
1383	1,069999E+09	9,654439E+08	8,888345E+08	8,888392E+08	9,654644E+08	1,070027E+09	1,149397E+09	1,182312E+09	1,185069E+09	1,185076E+09	1,182326E+09	1,149394E+09
1384	1,069990E+09	9,654122E+08	8,887929E+08	8,887937E+08	9,654155E+08	1,069994E+09	1,149393E+09	1,182326E+09	1,185082E+09	1,185081E+09	1,182322E+09	1,149387E+09
1385	1,069985E+09	9,654006E+08	8,887752E+08	8,887789E+08	9,654073E+08	1,069992E+09	1,149395E+09	1,182324E+09	1,185074E+09	1,185067E+09	1,182311E+09	1,149394E+09
1386	1,070017E+09	9,654494E+08	8,888199E+08	8,888159E+08	9,654377E+08	1,070003E+09	1,149390E+09	1,182321E+09	1,185078E+09	1,185073E+09	1,182308E+09	1,149373E+09
1387	1,069980E+09	9,654040E+08	8,887657E+08	8,887511E+08	9,653775E+08	1,069964E+09	1,149367E+09	1,182309E+09	1,185076E+09	1,185080E+09	1,182320E+09	1,149380E+09
1388	1,069979E+09	9,654043E+08	8,887842E+08	8,887831E+08	9,654075E+08	1,069988E+09	1,149382E+09	1,182309E+09	1,185065E+09	1,185063E+09	1,182309E+09	1,149387E+09
1389	1,069995E+09	9,654116E+08	8,887836E+08	8,887924E+08	9,654216E+08	1,069991E+09	1,149382E+09	1,182313E+09	1,185068E+09	1,185066E+09	1,182306E+09	1,149368E+09
1390	1,069960E+09	9,653632E+08	8,887208E+08	8,887280E+08	9,653784E+08	1,069971E+09	1,149371E+09	1,182304E+09	1,185061E+09	1,185063E+09	1,182312E+09	1,149383E+09
1391	1,069983E+09	9,654016E+08	8,887707E+08	8,887699E+08	9,654147E+08	1,070010E+09	1,149402E+09	1,182315E+09	1,185056E+09	1,185053E+09	1,182308E+09	1,149386E+09
1392	1,069983E+09	9,653907E+08	8,887537E+08	8,887475E+08	9,653769E+08	1,069974E+09	1,149392E+09	1,182330E+09	1,185080E+09	1,185070E+09	1,182305E+09	1,149367E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1393	1,069962E+09	9,653685E+08	8,887318E+08	8,887347E+08	9,653707E+08	1,069963E+09	1,149376E+09	1,182317E+09	1,185076E+09	1,185071E+09	1,182310E+09	1,149379E+09
1394	1,069991E+09	9,654218E+08	8,887958E+08	8,887991E+08	9,654329E+08	1,070000E+09	1,149380E+09	1,182307E+09	1,185071E+09	1,185076E+09	1,182317E+09	1,149379E+09
1395	1,069976E+09	9,653934E+08	8,887594E+08	8,887539E+08	9,653866E+08	1,069972E+09	1,149368E+09	1,182300E+09	1,185067E+09	1,185079E+09	1,182325E+09	1,149389E+09
1396	1,069982E+09	9,654003E+08	8,887822E+08	8,887873E+08	9,654130E+08	1,069992E+09	1,149387E+09	1,182313E+09	1,185064E+09	1,185058E+09	1,182308E+09	1,149395E+09
1397	1,070018E+09	9,654474E+08	8,888247E+08	8,888297E+08	9,654487E+08	1,070007E+09	1,149392E+09	1,182322E+09	1,185076E+09	1,185067E+09	1,182300E+09	1,149369E+09
1398	1,069983E+09	9,654159E+08	8,887917E+08	8,887870E+08	9,654062E+08	1,069975E+09	1,149369E+09	1,182311E+09	1,185077E+09	1,185075E+09	1,182308E+09	1,149374E+09
1399	1,069994E+09	9,654486E+08	8,888496E+08	8,888485E+08	9,654589E+08	1,070018E+09	1,149394E+09	1,182316E+09	1,185072E+09	1,185072E+09	1,182313E+09	1,149385E+09
1400	1,070003E+09	9,654497E+08	8,888479E+08	8,888514E+08	9,654550E+08	1,070005E+09	1,149389E+09	1,182325E+09	1,185091E+09	1,185089E+09	1,182316E+09	1,149370E+09
1401	1,069977E+09	9,654146E+08	8,888062E+08	8,888133E+08	9,654333E+08	1,069997E+09	1,149382E+09	1,182314E+09	1,185081E+09	1,185083E+09	1,182320E+09	1,149389E+09
1402	1,070009E+09	9,654600E+08	8,888591E+08	8,888648E+08	9,654828E+08	1,070036E+09	1,149403E+09	1,182320E+09	1,185077E+09	1,185076E+09	1,182316E+09	1,149391E+09
1403	1,070008E+09	9,654421E+08	8,888210E+08	8,888114E+08	9,654203E+08	1,069988E+09	1,149383E+09	1,182322E+09	1,185086E+09	1,185084E+09	1,182317E+09	1,149383E+09
1404	1,069995E+09	9,654284E+08	8,888138E+08	8,888106E+08	9,654182E+08	1,069982E+09	1,149380E+09	1,182324E+09	1,185085E+09	1,185074E+09	1,182307E+09	1,149384E+09
1405	1,070015E+09	9,654639E+08	8,888505E+08	8,888491E+08	9,654581E+08	1,070003E+09	1,149379E+09	1,182315E+09	1,185081E+09	1,185079E+09	1,182310E+09	1,149369E+09
1406	1,069975E+09	9,654106E+08	8,887944E+08	8,887870E+08	9,654016E+08	1,069968E+09	1,149355E+09	1,182293E+09	1,185066E+09	1,185075E+09	1,182316E+09	1,149378E+09
1407	1,069980E+09	9,654123E+08	8,888068E+08	8,888130E+08	9,654358E+08	1,070007E+09	1,149387E+09	1,182300E+09	1,185050E+09	1,185055E+09	1,182310E+09	1,149391E+09
1408	1,070004E+09	9,654255E+08	8,888013E+08	8,888078E+08	9,654333E+08	1,070001E+09	1,149391E+09	1,182320E+09	1,185071E+09	1,185064E+09	1,182300E+09	1,149367E+09
1409	1,069971E+09	9,653881E+08	8,887509E+08	8,887461E+08	9,653845E+08	1,069975E+09	1,149376E+09	1,182312E+09	1,185069E+09	1,185062E+09	1,182299E+09	1,149371E+09
1410	1,069985E+09	9,654200E+08	8,888049E+08	8,888037E+08	9,654322E+08	1,070010E+09	1,149396E+09	1,182319E+09	1,185070E+09	1,185063E+09	1,182301E+09	1,149375E+09
1411	1,069988E+09	9,654129E+08	8,887874E+08	8,887805E+08	9,653952E+08	1,069971E+09	1,149374E+09	1,182317E+09	1,185082E+09	1,185081E+09	1,182312E+09	1,149369E+09
1412	1,069966E+09	9,653875E+08	8,887685E+08	8,887751E+08	9,653981E+08	1,069968E+09	1,149365E+09	1,182309E+09	1,185076E+09	1,185075E+09	1,182313E+09	1,149382E+09
1413	1,069997E+09	9,654363E+08	8,888229E+08	8,888300E+08	9,654578E+08	1,070016E+09	1,149386E+09	1,182308E+09	1,185069E+09	1,185073E+09	1,182316E+09	1,149383E+09
1414	1,069987E+09	9,654137E+08	8,887946E+08	8,887893E+08	9,654070E+08	1,069979E+09	1,149367E+09	1,182299E+09	1,185065E+09	1,185070E+09	1,182312E+09	1,149382E+09
1415	1,069992E+09	9,654274E+08	8,888209E+08	8,888234E+08	9,654373E+08	1,070003E+09	1,149388E+09	1,182311E+09	1,185063E+09	1,185059E+09	1,182304E+09	1,149389E+09
1416	1,070023E+09	9,654714E+08	8,888612E+08	8,888611E+08	9,654654E+08	1,070011E+09	1,149392E+09	1,182328E+09	1,185089E+09	1,185079E+09	1,182303E+09	1,149364E+09
1417	1,069986E+09	9,654384E+08	8,888314E+08	8,888240E+08	9,654285E+08	1,069983E+09	1,149366E+09	1,182310E+09	1,185084E+09	1,185082E+09	1,182309E+09	1,149370E+09
1418	1,069992E+09	9,654584E+08	8,888780E+08	8,888867E+08	9,654900E+08	1,070032E+09	1,149393E+09	1,182313E+09	1,185077E+09	1,185079E+09	1,182314E+09	1,149386E+09
1419	1,070016E+09	9,654698E+08	8,888725E+08	8,888752E+08	9,654714E+08	1,070013E+09	1,149387E+09	1,182319E+09	1,185087E+09	1,185090E+09	1,182319E+09	1,149378E+09
1420	1,069994E+09	9,654414E+08	8,888387E+08	8,888398E+08	9,654432E+08	1,069993E+09	1,149376E+09	1,182319E+09	1,185086E+09	1,185079E+09	1,182311E+09	1,149384E+09
1421	1,070018E+09	9,654831E+08	8,888883E+08	8,888876E+08	9,654908E+08	1,070034E+09	1,149399E+09	1,182323E+09	1,185084E+09	1,185078E+09	1,182309E+09	1,149382E+09
1422	1,070010E+09	9,654628E+08	8,888608E+08	8,888493E+08	9,654346E+08	1,069979E+09	1,149364E+09	1,182308E+09	1,185083E+09	1,185083E+09	1,182309E+09	1,149371E+09
1423	1,069992E+09	9,654432E+08	8,888476E+08	8,888514E+08	9,654480E+08	1,069990E+09	1,149367E+09	1,182303E+09	1,185072E+09	1,185075E+09	1,182313E+09	1,149383E+09
1424	1,070013E+09	9,654722E+08	8,888718E+08	8,888759E+08	9,654823E+08	1,070020E+09	1,149382E+09	1,182309E+09	1,185076E+09	1,185079E+09	1,182313E+09	1,149373E+09
1425	1,069982E+09	9,654243E+08	8,888169E+08	8,888097E+08	9,654206E+08	1,069987E+09	1,149367E+09	1,182296E+09	1,185062E+09	1,185066E+09	1,182306E+09	1,149374E+09
1426	1,069984E+09	9,654232E+08	8,888263E+08	8,888374E+08	9,654552E+08	1,070021E+09	1,149398E+09	1,182313E+09	1,185061E+09	1,185054E+09	1,182296E+09	1,149381E+09
1427	1,070014E+09	9,654489E+08	8,888267E+08	8,888259E+08	9,654390E+08	1,070001E+09	1,149389E+09	1,182323E+09	1,185082E+09	1,185073E+09	1,182300E+09	1,149361E+09
1428	1,069976E+09	9,654114E+08	8,887870E+08	8,887780E+08	9,653938E+08	1,069964E+09	1,149365E+09	1,182316E+09	1,185085E+09	1,185075E+09	1,182302E+09	1,149365E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1429	1,069983E+09	9,654336E+08	8,888330E+08	8,888355E+08	9,654516E+08	1,070011E+09	1,149386E+09	1,182314E+09	1,185077E+09	1,185076E+09	1,182311E+09	1,149379E+09
1430	1,069991E+09	9,654260E+08	8,888191E+08	8,888179E+08	9,654189E+08	1,069975E+09	1,149360E+09	1,182298E+09	1,185071E+09	1,185079E+09	1,182315E+09	1,149375E+09
1431	1,069979E+09	9,654077E+08	8,887992E+08	8,888105E+08	9,654264E+08	1,069984E+09	1,149365E+09	1,182295E+09	1,185059E+09	1,185067E+09	1,182315E+09	1,149389E+09
1432	1,070014E+09	9,654632E+08	8,888541E+08	8,888559E+08	9,654724E+08	1,070024E+09	1,149392E+09	1,182313E+09	1,185070E+09	1,185068E+09	1,182307E+09	1,149379E+09
1433	1,070000E+09	9,654470E+08	8,888372E+08	8,888226E+08	9,654230E+08	1,069986E+09	1,149369E+09	1,182304E+09	1,185071E+09	1,185066E+09	1,182296E+09	1,149365E+09
1434	1,069992E+09	9,654501E+08	8,888637E+08	8,888694E+08	9,654658E+08	1,070011E+09	1,149387E+09	1,182315E+09	1,185076E+09	1,185067E+09	1,182294E+09	1,149372E+09
1435	1,070023E+09	9,654928E+08	8,888975E+08	8,888994E+08	9,654900E+08	1,070017E+09	1,149382E+09	1,182318E+09	1,185092E+09	1,185090E+09	1,182310E+09	1,149364E+09
1436	1,069988E+09	9,654546E+08	8,888651E+08	8,888629E+08	9,654542E+08	1,069990E+09	1,149365E+09	1,182312E+09	1,185090E+09	1,185088E+09	1,182313E+09	1,149373E+09
1437	1,069997E+09	9,654699E+08	8,888988E+08	8,889126E+08	9,655095E+08	1,070043E+09	1,149401E+09	1,182319E+09	1,185083E+09	1,185082E+09	1,182315E+09	1,149390E+09
1438	1,070024E+09	9,654875E+08	8,889007E+08	8,889021E+08	9,654824E+08	1,070010E+09	1,149380E+09	1,182315E+09	1,185087E+09	1,185087E+09	1,182313E+09	1,149376E+09
1439	1,070005E+09	9,654668E+08	8,888722E+08	8,888698E+08	9,654595E+08	1,069995E+09	1,149369E+09	1,182308E+09	1,185082E+09	1,185083E+09	1,182315E+09	1,149382E+09
1440	1,070023E+09	9,655055E+08	8,889210E+08	8,889150E+08	9,655006E+08	1,070030E+09	1,149390E+09	1,182319E+09	1,185088E+09	1,185086E+09	1,182313E+09	1,149380E+09
1441	1,070013E+09	9,654819E+08	8,888939E+08	8,888838E+08	9,654580E+08	1,069987E+09	1,149356E+09	1,182297E+09	1,185077E+09	1,185080E+09	1,182305E+09	1,149366E+09
1442	1,069991E+09	9,654526E+08	8,888713E+08	8,888857E+08	9,654799E+08	1,070009E+09	1,149371E+09	1,182297E+09	1,185066E+09	1,185069E+09	1,182303E+09	1,149378E+09
1443	1,070022E+09	9,654884E+08	8,888900E+08	8,888945E+08	9,654968E+08	1,070032E+09	1,149388E+09	1,182307E+09	1,185071E+09	1,185073E+09	1,182308E+09	1,149373E+09
1444	1,069993E+09	9,654461E+08	8,888436E+08	8,888332E+08	9,654292E+08	1,069986E+09	1,149372E+09	1,182311E+09	1,185073E+09	1,185063E+09	1,182294E+09	1,149364E+09
1445	1,069986E+09	9,654397E+08	8,888492E+08	8,888577E+08	9,654622E+08	1,070019E+09	1,149399E+09	1,182324E+09	1,185078E+09	1,185065E+09	1,182293E+09	1,149370E+09
1446	1,070009E+09	9,654635E+08	8,888609E+08	8,888602E+08	9,654505E+08	1,069991E+09	1,149372E+09	1,182313E+09	1,185085E+09	1,185082E+09	1,182302E+09	1,149356E+09
1447	1,069976E+09	9,654273E+08	8,888194E+08	8,888168E+08	9,654216E+08	1,069971E+09	1,149351E+09	1,182294E+09	1,185074E+09	1,185083E+09	1,182317E+09	1,149371E+09
1448	1,069988E+09	9,654495E+08	8,888589E+08	8,888629E+08	9,654707E+08	1,070022E+09	1,149386E+09	1,182307E+09	1,185073E+09	1,185078E+09	1,182318E+09	1,149389E+09
1449	1,070007E+09	9,654511E+08	8,888505E+08	8,888486E+08	9,654418E+08	1,069990E+09	1,149364E+09	1,182296E+09	1,185065E+09	1,185068E+09	1,182304E+09	1,149372E+09
1450	1,069991E+09	9,654332E+08	8,888327E+08	8,888457E+08	9,654515E+08	1,069997E+09	1,149372E+09	1,182302E+09	1,185065E+09	1,185061E+09	1,182296E+09	1,149376E+09
1451	1,070026E+09	9,654948E+08	8,888924E+08	8,888879E+08	9,654873E+08	1,070027E+09	1,149391E+09	1,182315E+09	1,185078E+09	1,185074E+09	1,182303E+09	1,149371E+09
1452	1,070003E+09	9,654740E+08	8,888832E+08	8,888685E+08	9,654432E+08	1,069981E+09	1,149363E+09	1,182311E+09	1,185084E+09	1,185076E+09	1,182295E+09	1,149354E+09
1453	1,069984E+09	9,654606E+08	8,888922E+08	8,889069E+08	9,654936E+08	1,070020E+09	1,149383E+09	1,182315E+09	1,185086E+09	1,185082E+09	1,182303E+09	1,149372E+09
1454	1,070018E+09	9,655020E+08	8,889271E+08	8,889361E+08	9,655153E+08	1,070026E+09	1,149376E+09	1,182305E+09	1,185084E+09	1,185091E+09	1,182314E+09	1,149370E+09
1455	1,069999E+09	9,654739E+08	8,888920E+08	8,888925E+08	9,654768E+08	1,070002E+09	1,149365E+09	1,182300E+09	1,185078E+09	1,185086E+09	1,182318E+09	1,149380E+09
1456	1,070014E+09	9,654965E+08	8,889265E+08	8,889317E+08	9,655150E+08	1,070043E+09	1,149401E+09	1,182325E+09	1,185088E+09	1,185082E+09	1,182312E+09	1,149391E+09
1457	1,070040E+09	9,655202E+08	8,889389E+08	8,889320E+08	9,654957E+08	1,070009E+09	1,149371E+09	1,182310E+09	1,185087E+09	1,185083E+09	1,182301E+09	1,149364E+09
1458	1,070006E+09	9,654892E+08	8,889105E+08	8,889118E+08	9,654863E+08	1,070000E+09	1,149361E+09	1,182302E+09	1,185082E+09	1,185082E+09	1,182303E+09	1,149370E+09
1459	1,070025E+09	9,655238E+08	8,889518E+08	8,889487E+08	9,655242E+08	1,070038E+09	1,149383E+09	1,182306E+09	1,185081E+09	1,185086E+09	1,182315E+09	1,149379E+09
1460	1,070014E+09	9,654957E+08	8,889223E+08	8,889179E+08	9,654813E+08	1,069997E+09	1,149363E+09	1,182302E+09	1,185076E+09	1,185075E+09	1,182299E+09	1,149361E+09
1461	1,069990E+09	9,654604E+08	8,888857E+08	8,889056E+08	9,654979E+08	1,070024E+09	1,149386E+09	1,182311E+09	1,185076E+09	1,185071E+09	1,182298E+09	1,149372E+09
1462	1,070021E+09	9,655011E+08	8,889133E+08	8,889157E+08	9,655059E+08	1,070031E+09	1,149387E+09	1,182311E+09	1,185078E+09	1,185075E+09	1,182302E+09	1,149366E+09
1463	1,069997E+09	9,654657E+08	8,888711E+08	8,888582E+08	9,654418E+08	1,069986E+09	1,149366E+09	1,182306E+09	1,185079E+09	1,185078E+09	1,182304E+09	1,149363E+09
1464	1,069988E+09	9,654575E+08	8,888765E+08	8,888812E+08	9,654685E+08	1,070010E+09	1,149389E+09	1,182323E+09	1,185088E+09	1,185081E+09	1,182307E+09	1,149377E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1465	1,070015E+09	9,654816E+08	8,888895E+08	8,888913E+08	9,654728E+08	1,069994E+09	1,149358E+09	1,182298E+09	1,185079E+09	1,185084E+09	1,182308E+09	1,149362E+09
1466	1,069984E+09	9,654444E+08	8,888481E+08	8,888528E+08	9,654526E+08	1,069988E+09	1,149352E+09	1,182284E+09	1,185063E+09	1,185075E+09	1,182309E+09	1,149375E+09
1467	1,070008E+09	9,654773E+08	8,888889E+08	8,888890E+08	9,654859E+08	1,070027E+09	1,149386E+09	1,182300E+09	1,185063E+09	1,185067E+09	1,182310E+09	1,149389E+09
1468	1,070022E+09	9,654834E+08	8,888912E+08	8,888847E+08	9,654579E+08	1,069989E+09	1,149367E+09	1,182306E+09	1,185070E+09	1,185060E+09	1,182285E+09	1,149356E+09
1469	1,069992E+09	9,654569E+08	8,888695E+08	8,888821E+08	9,654726E+08	1,070002E+09	1,149373E+09	1,182310E+09	1,185079E+09	1,185069E+09	1,182287E+09	1,149357E+09
1470	1,070013E+09	9,655096E+08	8,889329E+08	8,889319E+08	9,655111E+08	1,070026E+09	1,149378E+09	1,182306E+09	1,185081E+09	1,185081E+09	1,182303E+09	1,149362E+09
1471	1,069999E+09	9,654874E+08	8,889158E+08	8,889108E+08	9,654786E+08	1,069996E+09	1,149359E+09	1,182297E+09	1,185080E+09	1,185088E+09	1,182309E+09	1,149360E+09
1472	1,069988E+09	9,654738E+08	8,889154E+08	8,889317E+08	9,655116E+08	1,070032E+09	1,149390E+09	1,182317E+09	1,185089E+09	1,185088E+09	1,182314E+09	1,149384E+09
1473	1,070033E+09	9,655239E+08	8,889532E+08	8,889613E+08	9,655341E+08	1,070035E+09	1,149379E+09	1,182306E+09	1,185084E+09	1,185086E+09	1,182309E+09	1,149372E+09
1474	1,070014E+09	9,655019E+08	8,889255E+08	8,889231E+08	9,654965E+08	1,070010E+09	1,149366E+09	1,182303E+09	1,185083E+09	1,185083E+09	1,182305E+09	1,149375E+09
1475	1,070029E+09	9,655293E+08	8,889647E+08	8,889598E+08	9,655233E+08	1,070036E+09	1,149391E+09	1,182319E+09	1,185091E+09	1,185087E+09	1,182310E+09	1,149387E+09
1476	1,070046E+09	9,655470E+08	8,889824E+08	8,889749E+08	9,655150E+08	1,070002E+09	1,149361E+09	1,182311E+09	1,185092E+09	1,185085E+09	1,182297E+09	1,149355E+09
1477	1,070002E+09	9,655002E+08	8,889372E+08	8,889470E+08	9,655155E+08	1,070012E+09	1,149359E+09	1,182298E+09	1,185084E+09	1,185087E+09	1,182305E+09	1,149365E+09
1478	1,070017E+09	9,655303E+08	8,889768E+08	8,889786E+08	9,655466E+08	1,070048E+09	1,149383E+09	1,182297E+09	1,185070E+09	1,185079E+09	1,182311E+09	1,149380E+09
1479	1,070021E+09	9,655107E+08	8,889442E+08	8,889418E+08	9,655015E+08	1,070010E+09	1,149369E+09	1,182299E+09	1,185072E+09	1,185074E+09	1,182298E+09	1,149360E+09
1480	1,069997E+09	9,654790E+08	8,889062E+08	8,889174E+08	9,654997E+08	1,070022E+09	1,149390E+09	1,182323E+09	1,185090E+09	1,185078E+09	1,182297E+09	1,149370E+09
1481	1,070026E+09	9,655223E+08	8,889422E+08	8,889403E+08	9,655182E+08	1,070027E+09	1,149376E+09	1,182308E+09	1,185084E+09	1,185081E+09	1,182299E+09	1,149358E+09
1482	1,069997E+09	9,654832E+08	8,889033E+08	8,888937E+08	9,654655E+08	1,069987E+09	1,149355E+09	1,182297E+09	1,185079E+09	1,185082E+09	1,182303E+09	1,149362E+09
1483	1,069995E+09	9,654754E+08	8,889054E+08	8,889108E+08	9,654880E+08	1,070012E+09	1,149377E+09	1,182307E+09	1,185080E+09	1,185083E+09	1,182315E+09	1,149387E+09
1484	1,070026E+09	9,655023E+08	8,889225E+08	8,889264E+08	9,654940E+08	1,070000E+09	1,149361E+09	1,182299E+09	1,185072E+09	1,185073E+09	1,182300E+09	1,149361E+09
1485	1,069991E+09	9,654615E+08	8,888728E+08	8,888801E+08	9,654748E+08	1,070001E+09	1,149361E+09	1,182292E+09	1,185067E+09	1,185069E+09	1,182299E+09	1,149366E+09
1486	1,070007E+09	9,654983E+08	8,889247E+08	8,889205E+08	9,655031E+08	1,070031E+09	1,149385E+09	1,182300E+09	1,185064E+09	1,185063E+09	1,182298E+09	1,149377E+09
1487	1,070025E+09	9,655081E+08	8,889300E+08	8,889223E+08	9,654819E+08	1,069995E+09	1,149364E+09	1,182301E+09	1,185075E+09	1,185072E+09	1,182288E+09	1,149347E+09
1488	1,069988E+09	9,654743E+08	8,889025E+08	8,889137E+08	9,654904E+08	1,070003E+09	1,149370E+09	1,182315E+09	1,185093E+09	1,185085E+09	1,182299E+09	1,149361E+09
1489	1,070014E+09	9,655229E+08	8,889611E+08	8,889673E+08	9,655424E+08	1,070038E+09	1,149371E+09	1,182297E+09	1,185080E+09	1,185085E+09	1,182308E+09	1,149367E+09
1490	1,070007E+09	9,655043E+08	8,889436E+08	8,889439E+08	9,655078E+08	1,070013E+09	1,149364E+09	1,182295E+09	1,185076E+09	1,185082E+09	1,182305E+09	1,149368E+09
1491	1,070010E+09	9,655026E+08	8,889461E+08	8,889544E+08	9,655210E+08	1,070031E+09	1,149389E+09	1,182317E+09	1,185087E+09	1,185085E+09	1,182311E+09	1,149390E+09
1492	1,070053E+09	9,655593E+08	8,889965E+08	8,889945E+08	9,655431E+08	1,070027E+09	1,149376E+09	1,182315E+09	1,185090E+09	1,185082E+09	1,182295E+09	1,149361E+09
1493	1,070018E+09	9,655282E+08	8,889663E+08	8,889607E+08	9,655164E+08	1,070010E+09	1,149361E+09	1,182303E+09	1,185091E+09	1,185089E+09	1,182299E+09	1,149359E+09
1494	1,070019E+09	9,655471E+08	8,890071E+08	8,890033E+08	9,655489E+08	1,070035E+09	1,149375E+09	1,182303E+09	1,185085E+09	1,185087E+09	1,182308E+09	1,149380E+09
1495	1,070043E+09	9,655601E+08	8,890131E+08	8,890145E+08	9,655517E+08	1,070020E+09	1,149358E+09	1,182295E+09	1,185083E+09	1,185090E+09	1,182303E+09	1,149356E+09
1496	1,070002E+09	9,655099E+08	8,889571E+08	8,889680E+08	9,655338E+08	1,070026E+09	1,149371E+09	1,182306E+09	1,185089E+09	1,185089E+09	1,182307E+09	1,149371E+09
1497	1,070025E+09	9,655421E+08	8,889934E+08	8,889977E+08	9,655648E+08	1,070058E+09	1,149388E+09	1,182304E+09	1,185075E+09	1,185076E+09	1,182302E+09	1,149376E+09
1498	1,070028E+09	9,655296E+08	8,889695E+08	8,889640E+08	9,655170E+08	1,070017E+09	1,149374E+09	1,182308E+09	1,185082E+09	1,185076E+09	1,182291E+09	1,149357E+09
1499	1,070007E+09	9,655019E+08	8,889362E+08	8,889370E+08	9,655009E+08	1,070010E+09	1,149378E+09	1,182320E+09	1,185097E+09	1,185089E+09	1,182304E+09	1,149372E+09
1500	1,070032E+09	9,655415E+08	8,889763E+08	8,889728E+08	9,655305E+08	1,070017E+09	1,149364E+09	1,182306E+09	1,185087E+09	1,185085E+09	1,182301E+09	1,149358E+09

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°
1501	1,069997E+09	9,654941E+08	8,889280E+08	8,889244E+08	9,654925E+08	1,069999E+09	1,149349E+09	1,182286E+09	1,185075E+09	1,185083E+09	1,182305E+09	1,149362E+09
1502	1,069996E+09	9,654894E+08	8,889340E+08	8,889391E+08	9,655075E+08	1,070018E+09	1,149371E+09	1,182292E+09	1,185062E+09	1,185069E+09	1,182307E+09	1,149388E+09
1503	1,070039E+09	9,655261E+08	8,889527E+08	8,889554E+08	9,655170E+08	1,070011E+09	1,149363E+09	1,182293E+09	1,185065E+09	1,185066E+09	1,182290E+09	1,149355E+09
1504	1,069999E+09	9,654869E+08	8,889062E+08	8,889040E+08	9,654850E+08	1,070002E+09	1,149365E+09	1,182304E+09	1,185080E+09	1,185073E+09	1,182290E+09	1,149356E+09
1505	1,070008E+09	9,655180E+08	8,889599E+08	8,889569E+08	9,655269E+08	1,070033E+09	1,149378E+09	1,182300E+09	1,185071E+09	1,185067E+09	1,182290E+09	1,149363E+09
1506	1,070019E+09	9,655246E+08	8,889669E+08	8,889648E+08	9,655157E+08	1,070008E+09	1,149362E+09	1,182300E+09	1,185080E+09	1,185076E+09	1,182287E+09	1,149346E+09
1507	1,069992E+09	9,654905E+08	8,889331E+08	8,889438E+08	9,655112E+08	1,070010E+09	1,149367E+09	1,182309E+09	1,185094E+09	1,185094E+09	1,182309E+09	1,149372E+09
1508	1,070027E+09	9,655432E+08	8,889936E+08	8,889996E+08	9,655608E+08	1,070044E+09	1,149378E+09	1,182306E+09	1,185082E+09	1,185083E+09	1,182304E+09	1,149370E+09
1509	1,070019E+09	9,655264E+08	8,889732E+08	8,889728E+08	9,655281E+08	1,070021E+09	1,149368E+09	1,182303E+09	1,185086E+09	1,185085E+09	1,182301E+09	1,149363E+09
1510	1,070015E+09	9,655304E+08	8,889879E+08	8,889876E+08	9,655347E+08	1,070025E+09	1,149377E+09	1,182311E+09	1,185089E+09	1,185086E+09	1,182306E+09	1,149385E+09
1511	1,070061E+09	9,655883E+08	8,890410E+08	8,890360E+08	9,655671E+08	1,070028E+09	1,149364E+09	1,182303E+09	1,185092E+09	1,185093E+09	1,182299E+09	1,149355E+09
1512	1,070017E+09	9,655464E+08	8,890022E+08	8,889963E+08	9,655385E+08	1,070013E+09	1,149354E+09	1,182301E+09	1,185098E+09	1,185099E+09	1,182306E+09	1,149362E+09
1513	1,070021E+09	9,655577E+08	8,890325E+08	8,890393E+08	9,655841E+08	1,070052E+09	1,149371E+09	1,182291E+09	1,185076E+09	1,185083E+09	1,182305E+09	1,149380E+09
1514	1,070049E+09	9,655747E+08	8,890369E+08	8,890422E+08	9,655796E+08	1,070042E+09	1,149369E+09	1,182296E+09	1,185077E+09	1,185077E+09	1,182292E+09	1,149358E+09
1515	1,070017E+09	9,655306E+08	8,889805E+08	8,889830E+08	9,655389E+08	1,070027E+09	1,149374E+09	1,182313E+09	1,185094E+09	1,185088E+09	1,182303E+09	1,149371E+09
1516	1,070037E+09	9,655658E+08	8,890255E+08	8,890218E+08	9,655689E+08	1,070050E+09	1,149387E+09	1,182314E+09	1,185085E+09	1,185076E+09	1,182291E+09	1,149363E+09
1517	1,070026E+09	9,655445E+08	8,889983E+08	8,889920E+08	9,655306E+08	1,070014E+09	1,149366E+09	1,182308E+09	1,185094E+09	1,185087E+09	1,182291E+09	1,149345E+09
1518	1,069998E+09	9,655140E+08	8,889690E+08	8,889698E+08	9,655187E+08	1,070005E+09	1,149358E+09	1,182301E+09	1,185089E+09	1,185091E+09	1,182308E+09	1,149374E+09
1519	1,070036E+09	9,655556E+08	8,890040E+08	8,890044E+08	9,655569E+08	1,070028E+09	1,149356E+09	1,182287E+09	1,185076E+09	1,185087E+09	1,182305E+09	1,149362E+09
1520	1,070005E+09	9,655087E+08	8,889511E+08	8,889455E+08	9,655075E+08	1,070009E+09	1,149357E+09	1,182291E+09	1,185076E+09	1,185080E+09	1,182301E+09	1,149365E+09
1521	1,070007E+09	9,655078E+08	8,889579E+08	8,889656E+08	9,655308E+08	1,070028E+09	1,149371E+09	1,182293E+09	1,185062E+09	1,185060E+09	1,182290E+09	1,149378E+09
1522	1,070046E+09	9,655507E+08	8,889870E+08	8,889862E+08	9,655395E+08	1,070023E+09	1,149368E+09	1,182300E+09	1,185073E+09	1,185063E+09	1,182277E+09	1,149346E+09
1523	1,070004E+09	9,655093E+08	8,889434E+08	8,889349E+08	9,654965E+08	1,069997E+09	1,149358E+09	1,182306E+09	1,185092E+09	1,185086E+09	1,182296E+09	1,149355E+09
1524	1,070009E+09	9,655335E+08	8,889959E+08	8,889959E+08	9,655479E+08	1,070034E+09	1,149373E+09	1,182303E+09	1,185079E+09	1,185076E+09	1,182293E+09	1,149361E+09
1525	1,070018E+09	9,655340E+08	8,889935E+08	8,889986E+08	9,655449E+08	1,070025E+09	1,149364E+09	1,182297E+09	1,185084E+09	1,185085E+09	1,182295E+09	1,149348E+09
1526	1,069997E+09	9,655093E+08	8,889656E+08	8,889729E+08	9,655279E+08	1,070014E+09	1,149361E+09	1,182299E+09	1,185084E+09	1,185088E+09	1,182308E+09	1,149379E+09
1527	1,070046E+09	9,655734E+08	8,890294E+08	8,890300E+08	9,655789E+08	1,070048E+09	1,149373E+09	1,182300E+09	1,185084E+09	1,185086E+09	1,182300E+09	1,149368E+09
1528	1,070033E+09	9,655579E+08	8,890143E+08	8,890040E+08	9,655401E+08	1,070018E+09	1,149363E+09	1,182307E+09	1,185097E+09	1,185092E+09	1,182297E+09	1,149358E+09
1529	1,070022E+09	9,655548E+08	8,890275E+08	8,890310E+08	9,655637E+08	1,070027E+09	1,149360E+09	1,182298E+09	1,185087E+09	1,185086E+09	1,182299E+09	1,149374E+09
1530	1,070060E+09	9,656078E+08	8,890795E+08	8,890810E+08	9,656054E+08	1,070047E+09	1,149362E+09	1,182295E+09	1,185086E+09	1,185087E+09	1,182295E+09	1,149356E+09
1531	1,070022E+09	9,655616E+08	8,890326E+08	8,890276E+08	9,655607E+08	1,070026E+09	1,149356E+09	1,182297E+09	1,185093E+09	1,185098E+09	1,182308E+09	1,149367E+09
1532	1,070029E+09	9,655712E+08	8,890575E+08	8,890656E+08	9,655992E+08	1,070062E+09	1,149385E+09	1,182305E+09	1,185080E+09	1,185076E+09	1,182293E+09	1,149373E+09
1533	1,070053E+09	9,655891E+08	8,890582E+08	8,890634E+08	9,655954E+08	1,070053E+09	1,149379E+09	1,182310E+09	1,185092E+09	1,185083E+09	1,182285E+09	1,149345E+09
1534	1,070015E+09	9,655506E+08	8,890116E+08	8,890039E+08	9,655419E+08	1,070018E+09	1,149363E+09	1,182309E+09	1,185099E+09	1,185094E+09	1,182301E+09	1,149367E+09
1535	1,070042E+09	9,655857E+08	8,890570E+08	8,890508E+08	9,655815E+08	1,070044E+09	1,149371E+09	1,182304E+09	1,185092E+09	1,185092E+09	1,182299E+09	1,149362E+09
1536	1,070028E+09	9,655576E+08	8,890244E+08	8,890191E+08	9,655455E+08	1,070012E+09	1,149353E+09	1,182300E+09	1,185097E+09	1,185097E+09	1,182301E+09	1,149353E+09

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												
1537	1,070005E+09	9,655238E+08	8,889888E+08	8,890001E+08	9,655469E+08	1,070015E+09	1,149346E+09	1,182282E+09	1,185073E+09	1,185082E+09	1,182304E+09	1,149377E+09
1538	1,070048E+09	9,655751E+08	8,890301E+08	8,890318E+08	9,655806E+08	1,070046E+09	1,149364E+09	1,182285E+09	1,185064E+09	1,185068E+09	1,182291E+09	1,149363E+09
1539	1,070020E+09	9,655345E+08	8,889825E+08	8,889681E+08	9,655150E+08	1,070009E+09	1,149358E+09	1,182296E+09	1,185079E+09	1,185075E+09	1,182291E+09	1,149358E+09
1540	1,070015E+09	9,655330E+08	8,889962E+08	8,889981E+08	9,655424E+08	1,070028E+09	1,149374E+09	1,182303E+09	1,185073E+09	1,185061E+09	1,182274E+09	1,149356E+09
1541	1,070039E+09	9,655658E+08	8,890216E+08	8,890247E+08	9,655653E+08	1,070032E+09	1,149365E+09	1,182303E+09	1,185087E+09	1,185077E+09	1,182277E+09	1,149330E+09
1542	1,069992E+09	9,655209E+08	8,889777E+08	8,889728E+08	9,655208E+08	1,070002E+09	1,149346E+09	1,182294E+09	1,185090E+09	1,185094E+09	1,182305E+09	1,149360E+09
1543	1,070015E+09	9,655477E+08	8,890234E+08	8,890294E+08	9,655749E+08	1,070048E+09	1,149371E+09	1,182294E+09	1,185080E+09	1,185086E+09	1,182302E+09	1,149370E+09
1544	1,070030E+09	9,655517E+08	8,890184E+08	8,890222E+08	9,655592E+08	1,070032E+09	1,149369E+09	1,182306E+09	1,185093E+09	1,185092E+09	1,182299E+09	1,149358E+09
1545	1,070015E+09	9,655342E+08	8,889960E+08	8,890051E+08	9,655506E+08	1,070019E+09	1,149355E+09	1,182295E+09	1,185085E+09	1,185085E+09	1,182300E+09	1,149375E+09
1546	1,070061E+09	9,656075E+08	8,890730E+08	8,890670E+08	9,655993E+08	1,070054E+09	1,149370E+09	1,182298E+09	1,185084E+09	1,185081E+09	1,182291E+09	1,149364E+09
1547	1,070042E+09	9,655863E+08	8,890588E+08	8,890434E+08	9,655566E+08	1,070014E+09	1,149351E+09	1,182301E+09	1,185101E+09	1,185099E+09	1,182299E+09	1,149357E+09
1548	1,070027E+09	9,655751E+08	8,890667E+08	8,890745E+08	9,655917E+08	1,070036E+09	1,149359E+09	1,182293E+09	1,185084E+09	1,185084E+09	1,182292E+09	1,149366E+09
1549	1,070059E+09	9,656186E+08	8,891053E+08	8,891145E+08	9,656363E+08	1,070070E+09	1,149371E+09	1,182294E+09	1,185085E+09	1,185087E+09	1,182291E+09	1,149348E+09
1550	1,070023E+09	9,655779E+08	8,890598E+08	8,890527E+08	9,655744E+08	1,070032E+09	1,149359E+09	1,182296E+09	1,185089E+09	1,185091E+09	1,182302E+09	1,149366E+09
1551	1,070041E+09	9,655934E+08	8,890845E+08	8,890889E+08	9,656100E+08	1,070063E+09	1,149382E+09	1,182307E+09	1,185091E+09	1,185084E+09	1,182288E+09	1,149364E+09
1552	1,070056E+09	9,656087E+08	8,890872E+08	8,890856E+08	9,655994E+08	1,070045E+09	1,149373E+09	1,182316E+09	1,185109E+09	1,185099E+09	1,182289E+09	1,149341E+09
1553	1,070016E+09	9,655649E+08	8,890394E+08	8,890387E+08	9,655638E+08	1,070014E+09	1,149342E+09	1,182292E+09	1,185097E+09	1,185099E+09	1,182302E+09	1,149363E+09
1554	1,070043E+09	9,656018E+08	8,890857E+08	8,890839E+08	9,656079E+08	1,070056E+09	1,149364E+09	1,182289E+09	1,185081E+09	1,185086E+09	1,182300E+09	1,149370E+09
1555	1,070037E+09	9,655730E+08	8,890495E+08	8,890450E+08	9,655614E+08	1,070019E+09	1,149351E+09	1,182293E+09	1,185089E+09	1,185093E+09	1,182303E+09	1,149361E+09
1556	1,070020E+09	9,655431E+08	8,890147E+08	8,890267E+08	9,655622E+08	1,070025E+09	1,149358E+09	1,182288E+09	1,185071E+09	1,185070E+09	1,182288E+09	1,149366E+09
1557	1,070052E+09	9,655935E+08	8,890564E+08	8,890580E+08	9,655999E+08	1,070060E+09	1,149374E+09	1,182295E+09	1,185075E+09	1,185070E+09	1,182279E+09	1,149344E+09
1558	1,070016E+09	9,655565E+08	8,890184E+08	8,889981E+08	9,655252E+08	1,070007E+09	1,149352E+09	1,182294E+09	1,185084E+09	1,185082E+09	1,182289E+09	1,149350E+09
1559	1,070015E+09	9,655495E+08	8,890275E+08	8,890335E+08	9,655629E+08	1,070029E+09	1,149364E+09	1,182299E+09	1,185087E+09	1,185081E+09	1,182283E+09	1,149352E+09
1560	1,070035E+09	9,655754E+08	8,890467E+08	8,890552E+08	9,655868E+08	1,070039E+09	1,149361E+09	1,182301E+09	1,185096E+09	1,185094E+09	1,182292E+09	1,149341E+09
1561	1,070001E+09	9,655319E+08	8,889981E+08	8,890040E+08	9,655475E+08	1,070012E+09	1,149339E+09	1,182280E+09	1,185080E+09	1,185090E+09	1,182305E+09	1,149367E+09
1562	1,070033E+09	9,655750E+08	8,890532E+08	8,890567E+08	9,655932E+08	1,070060E+09	1,149377E+09	1,182294E+09	1,185072E+09	1,185072E+09	1,182295E+09	1,149377E+09
1563	1,070052E+09	9,655867E+08	8,890580E+08	8,890513E+08	9,655666E+08	1,070025E+09	1,149362E+09	1,182305E+09	1,185096E+09	1,185090E+09	1,182292E+09	1,149355E+09
1564	1,070029E+09	9,655682E+08	8,890430E+08	8,890454E+08	9,655652E+08	1,070017E+09	1,149350E+09	1,182293E+09	1,185087E+09	1,185083E+09	1,182285E+09	1,149356E+09
1565	1,070057E+09	9,656291E+08	8,891157E+08	8,891141E+08	9,656313E+08	1,070066E+09	1,149367E+09	1,182294E+09	1,185088E+09	1,185087E+09	1,182287E+09	1,149347E+09
1566	1,070032E+09	9,656037E+08	8,890976E+08	8,890864E+08	9,655854E+08	1,070025E+09	1,149344E+09	1,182287E+09	1,185093E+09	1,185098E+09	1,182299E+09	1,149355E+09
1567	1,070030E+09	9,655897E+08	8,890942E+08	8,891090E+08	9,656202E+08	1,070053E+09	1,149362E+09	1,182293E+09	1,185089E+09	1,185089E+09	1,182291E+09	1,149363E+09
1568	1,070062E+09	9,656322E+08	8,891271E+08	8,891373E+08	9,656514E+08	1,070079E+09	1,149381E+09	1,182308E+09	1,185100E+09	1,185095E+09	1,182292E+09	1,149349E+09
1569	1,070031E+09	9,655939E+08	8,890817E+08	8,890790E+08	9,655914E+08	1,070033E+09	1,149354E+09	1,182296E+09	1,185096E+09	1,185096E+09	1,182297E+09	1,149361E+09
1570	1,070048E+09	9,656179E+08	8,891164E+08	8,891159E+08	9,656217E+08	1,070064E+09	1,149379E+09	1,182308E+09	1,185094E+09	1,185087E+09	1,182291E+09	1,149367E+09
1571	1,070062E+09	9,656284E+08	8,891194E+08	8,891152E+08	9,656087E+08	1,070035E+09	1,149356E+09	1,182307E+09	1,185113E+09	1,185111E+09	1,182301E+09	1,149349E+09
1572	1,070024E+09	9,655820E+08	8,890686E+08	8,890713E+08	9,655846E+08	1,070021E+09	1,149337E+09	1,182279E+09	1,185087E+09	1,185095E+09	1,182300E+09	1,149362E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	1,070048E+09	9,656158E+08	8,891087E+08	8,891118E+08	9,656329E+08	1,070075E+09	1,149370E+09	1,182283E+09	1,185072E+09	1,185079E+09	1,182294E+09	1,149363E+09
1574	1,070043E+09	9,655948E+08	8,890772E+08	8,890695E+08	9,655742E+08	1,070024E+09	1,149352E+09	1,182289E+09	1,185080E+09	1,185079E+09	1,182289E+09	1,149357E+09
1575	1,070031E+09	9,655688E+08	8,890452E+08	8,890544E+08	9,655770E+08	1,070028E+09	1,149355E+09	1,182293E+09	1,185083E+09	1,185073E+09	1,182274E+09	1,149349E+09
1576	1,070048E+09	9,656104E+08	8,890862E+08	8,890858E+08	9,656114E+08	1,070059E+09	1,149373E+09	1,182303E+09	1,185092E+09	1,185085E+09	1,182281E+09	1,149336E+09
1577	1,070011E+09	9,655657E+08	8,890447E+08	8,890371E+08	9,655538E+08	1,070010E+09	1,149340E+09	1,182284E+09	1,185085E+09	1,185089E+09	1,182293E+09	1,149347E+09
1578	1,070015E+09	9,655640E+08	8,890541E+08	8,890650E+08	9,655885E+08	1,070044E+09	1,149365E+09	1,182292E+09	1,185079E+09	1,185079E+09	1,182291E+09	1,149363E+09
1579	1,070044E+09	9,655912E+08	8,890709E+08	8,890793E+08	9,655990E+08	1,070042E+09	1,149362E+09	1,182300E+09	1,185096E+09	1,185097E+09	1,182299E+09	1,149353E+09
1580	1,070020E+09	9,655588E+08	8,890294E+08	8,890321E+08	9,655624E+08	1,070019E+09	1,149345E+09	1,182282E+09	1,185080E+09	1,185084E+09	1,182293E+09	1,149360E+09
1581	1,070044E+09	9,656046E+08	8,890904E+08	8,890888E+08	9,656110E+08	1,070066E+09	1,149377E+09	1,182297E+09	1,185080E+09	1,185076E+09	1,182285E+09	1,149361E+09
1582	1,070054E+09	9,656188E+08	8,891045E+08	8,890916E+08	9,655822E+08	1,070020E+09	1,149350E+09	1,182297E+09	1,185095E+09	1,185092E+09	1,182290E+09	1,149349E+09
1583	1,070032E+09	9,655931E+08	8,890858E+08	8,890926E+08	9,655951E+08	1,070020E+09	1,149336E+09	1,182285E+09	1,185095E+09	1,185093E+09	1,182286E+09	1,149349E+09
1584	1,070051E+09	9,656403E+08	8,891457E+08	8,891518E+08	9,656604E+08	1,070080E+09	1,149368E+09	1,182291E+09	1,185092E+09	1,185096E+09	1,182295E+09	1,149351E+09
1585	1,070036E+09	9,656133E+08	8,891198E+08	8,891217E+08	9,656170E+08	1,070041E+09	1,149347E+09	1,182281E+09	1,185084E+09	1,185091E+09	1,182295E+09	1,149356E+09
1586	1,070041E+09	9,656131E+08	8,891204E+08	8,891327E+08	9,656375E+08	1,070066E+09	1,149374E+09	1,182300E+09	1,185088E+09	1,185080E+09	1,182285E+09	1,149365E+09
1587	1,070073E+09	9,656575E+08	8,891587E+08	8,891603E+08	9,656558E+08	1,070072E+09	1,149376E+09	1,182314E+09	1,185112E+09	1,185104E+09	1,182292E+09	1,149349E+09
1588	1,070041E+09	9,656204E+08	8,891188E+08	8,891107E+08	9,656029E+08	1,070030E+09	1,149347E+09	1,182292E+09	1,185100E+09	1,185100E+09	1,182293E+09	1,149351E+09
1589	1,070046E+09	9,656347E+08	8,891492E+08	8,891521E+08	9,656458E+08	1,070068E+09	1,149371E+09	1,182299E+09	1,185095E+09	1,185094E+09	1,182294E+09	1,149360E+09
1590	1,070060E+09	9,656455E+08	8,891497E+08	8,891470E+08	9,656295E+08	1,070039E+09	1,149347E+09	1,182289E+09	1,185098E+09	1,185105E+09	1,182303E+09	1,149356E+09
1591	1,070034E+09	9,655992E+08	8,890932E+08	8,890990E+08	9,656065E+08	1,070032E+09	1,149338E+09	1,182277E+09	1,185086E+09	1,185091E+09	1,182293E+09	1,149358E+09
1592	1,070052E+09	9,656311E+08	8,891300E+08	8,891327E+08	9,656472E+08	1,070083E+09	1,149380E+09	1,182295E+09	1,185081E+09	1,185080E+09	1,182288E+09	1,149359E+09
1593	1,070048E+09	9,656108E+08	8,891012E+08	8,890972E+08	9,655924E+08	1,070026E+09	1,149349E+09	1,182288E+09	1,185082E+09	1,185078E+09	1,182278E+09	1,149344E+09
1594	1,070031E+09	9,655901E+08	8,890761E+08	8,890819E+08	9,655920E+08	1,070032E+09	1,149357E+09	1,182297E+09	1,185087E+09	1,185077E+09	1,182277E+09	1,149347E+09
1595	1,070045E+09	9,656229E+08	8,891148E+08	8,891166E+08	9,656264E+08	1,070054E+09	1,149361E+09	1,182299E+09	1,185100E+09	1,185098E+09	1,182293E+09	1,149343E+09
1596	1,070017E+09	9,655792E+08	8,890695E+08	8,890654E+08	9,655749E+08	1,070020E+09	1,149339E+09	1,182274E+09	1,185079E+09	1,185089E+09	1,182294E+09	1,149350E+09
1597	1,070022E+09	9,655804E+08	8,890790E+08	8,890909E+08	9,656085E+08	1,070056E+09	1,149371E+09	1,182291E+09	1,185076E+09	1,185076E+09	1,182288E+09	1,149362E+09
1598	1,070056E+09	9,656214E+08	8,891054E+08	8,891052E+08	9,656081E+08	1,070039E+09	1,149356E+09	1,182294E+09	1,185090E+09	1,185088E+09	1,182291E+09	1,149352E+09
1599	1,070035E+09	9,655936E+08	8,890726E+08	8,890688E+08	9,655797E+08	1,070016E+09	1,149334E+09	1,182281E+09	1,185090E+09	1,185087E+09	1,182281E+09	1,149345E+09
1600	1,070044E+09	9,656293E+08	8,891326E+08	8,891303E+08	9,656336E+08	1,070066E+09	1,149370E+09	1,182295E+09	1,185089E+09	1,185086E+09	1,182285E+09	1,149353E+09
1601	1,070051E+09	9,656321E+08	8,891401E+08	8,891420E+08	9,656222E+08	1,070030E+09	1,149338E+09	1,182281E+09	1,185088E+09	1,185091E+09	1,182287E+09	1,149343E+09
1602	1,070032E+09	9,656105E+08	8,891183E+08	8,891313E+08	9,656298E+08	1,070044E+09	1,149347E+09	1,182283E+09	1,185085E+09	1,185087E+09	1,182289E+09	1,149356E+09
1603	1,070056E+09	9,656539E+08	8,891718E+08	8,891802E+08	9,656791E+08	1,070089E+09	1,149377E+09	1,182300E+09	1,185098E+09	1,185099E+09	1,182298E+09	1,149358E+09
1604	1,070051E+09	9,656365E+08	8,891480E+08	8,891461E+08	9,656330E+08	1,070052E+09	1,149359E+09	1,182291E+09	1,185092E+09	1,185091E+09	1,182286E+09	1,149349E+09
1605	1,070048E+09	9,656381E+08	8,891531E+08	8,891584E+08	9,656506E+08	1,070070E+09	1,149377E+09	1,182309E+09	1,185102E+09	1,185092E+09	1,182283E+09	1,149354E+09
1606	1,070075E+09	9,656837E+08	8,891962E+08	8,891903E+08	9,656646E+08	1,070061E+09	1,149361E+09	1,182306E+09	1,185115E+09	1,185112E+09	1,182299E+09	1,149352E+09
1607	1,070049E+09	9,656424E+08	8,891548E+08	8,891487E+08	9,656267E+08	1,070027E+09	1,149328E+09	1,182281E+09	1,185105E+09	1,185109E+09	1,182297E+09	1,149351E+09
1608	1,070047E+09	9,656465E+08	8,891734E+08	8,891804E+08	9,656675E+08	1,070076E+09	1,149367E+09	1,182290E+09	1,185091E+09	1,185096E+09	1,182299E+09	1,149368E+09

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°
1609	1,070069E+09	9,656563E+08	8,891699E+08	8,891766E+08	9,656551E+08	1,070050E+09	1,149346E+09	1,182280E+09	1,185082E+09	1,185088E+09	1,182291E+09	1,149354E+09
1610	1,070046E+09	9,656248E+08	8,891219E+08	8,891218E+08	9,656216E+08	1,070041E+09	1,149346E+09	1,182281E+09	1,185079E+09	1,185076E+09	1,182280E+09	1,149352E+09
1611	1,070054E+09	9,656501E+08	8,891600E+08	8,891557E+08	9,656529E+08	1,070076E+09	1,149376E+09	1,182301E+09	1,185093E+09	1,185085E+09	1,182282E+09	1,149349E+09
1612	1,070048E+09	9,656295E+08	8,891339E+08	8,891275E+08	9,656103E+08	1,070030E+09	1,149347E+09	1,182287E+09	1,185088E+09	1,185083E+09	1,182273E+09	1,149329E+09
1613	1,070022E+09	9,656003E+08	8,891036E+08	8,891129E+08	9,656170E+08	1,070041E+09	1,149354E+09	1,182293E+09	1,185092E+09	1,185087E+09	1,182281E+09	1,149342E+09
1614	1,070042E+09	9,656348E+08	8,891389E+08	8,891420E+08	9,656442E+08	1,070058E+09	1,149356E+09	1,182289E+09	1,185093E+09	1,185098E+09	1,182300E+09	1,149355E+09
1615	1,070031E+09	9,655987E+08	8,890960E+08	8,890932E+08	9,655944E+08	1,070024E+09	1,149336E+09	1,182276E+09	1,185085E+09	1,185089E+09	1,182290E+09	1,149350E+09
1616	1,070031E+09	9,656014E+08	8,891071E+08	8,891157E+08	9,656222E+08	1,070058E+09	1,149371E+09	1,182298E+09	1,185085E+09	1,185081E+09	1,182286E+09	1,149362E+09
1617	1,070066E+09	9,656439E+08	8,891410E+08	8,891419E+08	9,656294E+08	1,070039E+09	1,149347E+09	1,182287E+09	1,185088E+09	1,185086E+09	1,182283E+09	1,149344E+09
1618	1,070041E+09	9,656228E+08	8,891168E+08	8,891093E+08	9,656039E+08	1,070021E+09	1,149331E+09	1,182278E+09	1,185086E+09	1,185087E+09	1,182283E+09	1,149344E+09
1619	1,070042E+09	9,656458E+08	8,891693E+08	8,891709E+08	9,656606E+08	1,070070E+09	1,149362E+09	1,182290E+09	1,185093E+09	1,185094E+09	1,182292E+09	1,149358E+09
1620	1,070058E+09	9,656501E+08	8,891707E+08	8,891762E+08	9,656544E+08	1,070053E+09	1,149346E+09	1,182276E+09	1,185082E+09	1,185087E+09	1,182282E+09	1,149341E+09
1621	1,070038E+09	9,656292E+08	8,891468E+08	8,891591E+08	9,656533E+08	1,070062E+09	1,149361E+09	1,182293E+09	1,185090E+09	1,185086E+09	1,182282E+09	1,149350E+09
1622	1,070065E+09	9,656808E+08	8,892047E+08	8,892048E+08	9,656883E+08	1,070087E+09	1,149375E+09	1,182304E+09	1,185103E+09	1,185098E+09	1,182292E+09	1,149358E+09
1623	1,070064E+09	9,656670E+08	8,891881E+08	8,891788E+08	9,656457E+08	1,070043E+09	1,149346E+09	1,182295E+09	1,185111E+09	1,185103E+09	1,182282E+09	1,149338E+09
1624	1,070047E+09	9,656579E+08	8,891901E+08	8,891939E+08	9,656676E+08	1,070065E+09	1,149364E+09	1,182305E+09	1,185113E+09	1,185107E+09	1,182292E+09	1,149354E+09
1625	1,070075E+09	9,656952E+08	8,892273E+08	8,892307E+08	9,656937E+08	1,070064E+09	1,149343E+09	1,182284E+09	1,185102E+09	1,185108E+09	1,182298E+09	1,149353E+09
1626	1,070054E+09	9,656605E+08	8,891847E+08	8,891796E+08	9,656527E+08	1,070044E+09	1,149332E+09	1,182272E+09	1,185087E+09	1,185096E+09	1,182296E+09	1,149357E+09
1627	1,070054E+09	9,656611E+08	8,891978E+08	8,892052E+08	9,656838E+08	1,070082E+09	1,149369E+09	1,182293E+09	1,185091E+09	1,185090E+09	1,182292E+09	1,149369E+09
1628	1,070082E+09	9,656779E+08	8,891950E+08	8,891972E+08	9,656720E+08	1,070063E+09	1,149353E+09	1,182284E+09	1,185085E+09	1,185081E+09	1,182273E+09	1,149337E+09
1629	1,070045E+09	9,656438E+08	8,891527E+08	8,891465E+08	9,656359E+08	1,070047E+09	1,149352E+09	1,182292E+09	1,185093E+09	1,185084E+09	1,182273E+09	1,149335E+09
1630	1,070048E+09	9,656647E+08	8,891903E+08	8,891837E+08	9,656641E+08	1,070069E+09	1,149364E+09	1,182297E+09	1,185098E+09	1,185095E+09	1,182288E+09	1,149350E+09
1631	1,070048E+09	9,656416E+08	8,891618E+08	8,891597E+08	9,656330E+08	1,070031E+09	1,149333E+09	1,182282E+09	1,185098E+09	1,185095E+09	1,182280E+09	1,149331E+09
1632	1,070022E+09	9,656073E+08	8,891227E+08	8,891357E+08	9,656358E+08	1,070050E+09	1,149353E+09	1,182288E+09	1,185091E+09	1,185094E+09	1,182291E+09	1,149354E+09
1633	1,070054E+09	9,656472E+08	8,891597E+08	8,891666E+08	9,656616E+08	1,070063E+09	1,149352E+09	1,182281E+09	1,185081E+09	1,185085E+09	1,182291E+09	1,149357E+09
1634	1,070050E+09	9,656302E+08	8,891318E+08	8,891200E+08	9,656089E+08	1,070029E+09	1,149337E+09	1,182276E+09	1,185079E+09	1,185078E+09	1,182282E+09	1,149348E+09
1635	1,070040E+09	9,656290E+08	8,891483E+08	8,891502E+08	9,656353E+08	1,070050E+09	1,149360E+09	1,182297E+09	1,185093E+09	1,185086E+09	1,182282E+09	1,149356E+09
1636	1,070072E+09	9,656697E+08	8,891830E+08	8,891828E+08	9,656592E+08	1,070050E+09	1,149343E+09	1,182279E+09	1,185086E+09	1,185086E+09	1,182275E+09	1,149331E+09
1637	1,070036E+09	9,656398E+08	8,891558E+08	8,891518E+08	9,656389E+08	1,070041E+09	1,149336E+09	1,182277E+09	1,185089E+09	1,185090E+09	1,182280E+09	1,149335E+09
1638	1,070041E+09	9,656601E+08	8,891988E+08	8,892032E+08	9,656845E+08	1,070082E+09	1,149365E+09	1,182290E+09	1,185091E+09	1,185093E+09	1,182293E+09	1,149363E+09
1639	1,070070E+09	9,656719E+08	8,892025E+08	8,892079E+08	9,656770E+08	1,070061E+09	1,149350E+09	1,182290E+09	1,185099E+09	1,185092E+09	1,182276E+09	1,149336E+09
1640	1,070045E+09	9,656499E+08	8,891765E+08	8,891832E+08	9,656654E+08	1,070064E+09	1,149363E+09	1,182304E+09	1,185108E+09	1,185100E+09	1,182285E+09	1,149350E+09
1641	1,070072E+09	9,656997E+08	8,892384E+08	8,892383E+08	9,657032E+08	1,070082E+09	1,149363E+09	1,182298E+09	1,185106E+09	1,185103E+09	1,182291E+09	1,149356E+09
1642	1,070073E+09	9,656938E+08	8,892299E+08	8,892179E+08	9,656662E+08	1,070042E+09	1,149334E+09	1,182284E+09	1,185104E+09	1,185106E+09	1,182291E+09	1,149344E+09
1643	1,070050E+09	9,656725E+08	8,892221E+08	8,892295E+08	9,656892E+08	1,070063E+09	1,149347E+09	1,182290E+09	1,185109E+09	1,185113E+09	1,182301E+09	1,149365E+09
1644	1,070087E+09	9,657135E+08	8,892537E+08	8,892580E+08	9,657209E+08	1,070085E+09	1,149347E+09	1,182271E+09	1,185085E+09	1,185095E+09	1,182288E+09	1,149350E+09

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	1,070063E+09	9,656809E+08	8,892136E+08	8,892052E+08	9,656723E+08	1,070060E+09	1,149344E+09	1,182277E+09	1,185085E+09	1,185085E+09	1,182277E+09	1,149344E+09
1646	1,070061E+09	9,656839E+08	8,892267E+08	8,892272E+08	9,656924E+08	1,070080E+09	1,149367E+09	1,182297E+09	1,185094E+09	1,185085E+09	1,182278E+09	1,149358E+09
1647	1,070086E+09	9,657005E+08	8,892299E+08	8,892286E+08	9,656872E+08	1,070059E+09	1,149345E+09	1,182291E+09	1,185103E+09	1,185089E+09	1,182264E+09	1,149319E+09
1648	1,070035E+09	9,656515E+08	8,891790E+08	8,891763E+08	9,656536E+08	1,070049E+09	1,149346E+09	1,182292E+09	1,185105E+09	1,185101E+09	1,182283E+09	1,149335E+09
1649	1,070042E+09	9,656643E+08	8,892092E+08	8,892141E+08	9,656878E+08	1,070076E+09	1,149355E+09	1,182283E+09	1,185090E+09	1,185095E+09	1,182293E+09	1,149356E+09
1650	1,070056E+09	9,656553E+08	8,891847E+08	8,891831E+08	9,656510E+08	1,070044E+09	1,149338E+09	1,182277E+09	1,185087E+09	1,185091E+09	1,182287E+09	1,149343E+09
1651	1,070034E+09	9,656237E+08	8,891459E+08	8,891570E+08	9,656456E+08	1,070049E+09	1,149350E+09	1,182291E+09	1,185096E+09	1,185095E+09	1,182290E+09	1,149361E+09
1652	1,070075E+09	9,656773E+08	8,891911E+08	8,891887E+08	9,656762E+08	1,070072E+09	1,149352E+09	1,182279E+09	1,185082E+09	1,185081E+09	1,182277E+09	1,149345E+09
1653	1,070056E+09	9,656591E+08	8,891747E+08	8,891556E+08	9,656274E+08	1,070034E+09	1,149337E+09	1,182280E+09	1,185087E+09	1,185082E+09	1,182271E+09	1,149333E+09
1654	1,070041E+09	9,656522E+08	8,891890E+08	8,891909E+08	9,656573E+08	1,070048E+09	1,149346E+09	1,182288E+09	1,185095E+09	1,185090E+09	1,182282E+09	1,149354E+09
1655	1,070076E+09	9,656885E+08	8,892198E+08	8,892253E+08	9,656916E+08	1,070060E+09	1,149335E+09	1,182277E+09	1,185094E+09	1,185092E+09	1,182274E+09	1,149327E+09
1656	1,070036E+09	9,656505E+08	8,891827E+08	8,891839E+08	9,656646E+08	1,070058E+09	1,149344E+09	1,182281E+09	1,185093E+09	1,185097E+09	1,182286E+09	1,149341E+09
1657	1,070049E+09	9,656730E+08	8,892247E+08	8,892330E+08	9,657028E+08	1,070089E+09	1,149365E+09	1,182288E+09	1,185088E+09	1,185086E+09	1,182284E+09	1,149360E+09
1658	1,070083E+09	9,657015E+08	8,892402E+08	8,892373E+08	9,656899E+08	1,070063E+09	1,149350E+09	1,182292E+09	1,185102E+09	1,185095E+09	1,182276E+09	1,149333E+09
1659	1,070051E+09	9,656750E+08	8,892168E+08	8,892189E+08	9,656783E+08	1,070054E+09	1,149346E+09	1,182300E+09	1,185119E+09	1,185113E+09	1,182290E+09	1,149350E+09
1660	1,070082E+09	9,657246E+08	8,892759E+08	8,892747E+08	9,657292E+08	1,070090E+09	1,149351E+09	1,182282E+09	1,185100E+09	1,185104E+09	1,182289E+09	1,149350E+09
1661	1,070074E+09	9,657125E+08	8,892662E+08	8,892578E+08	9,656976E+08	1,070059E+09	1,149335E+09	1,182277E+09	1,185099E+09	1,185102E+09	1,182286E+09	1,149341E+09
1662	1,070058E+09	9,656905E+08	8,892501E+08	8,892601E+08	9,657106E+08	1,070073E+09	1,149346E+09	1,182283E+09	1,185099E+09	1,185102E+09	1,182294E+09	1,149367E+09
1663	1,070101E+09	9,657358E+08	8,892829E+08	8,892866E+08	9,657406E+08	1,070094E+09	1,149351E+09	1,182283E+09	1,185096E+09	1,185091E+09	1,182274E+09	1,149337E+09
1664	1,070063E+09	9,656971E+08	8,892397E+08	8,892287E+08	9,656850E+08	1,070067E+09	1,149350E+09	1,182289E+09	1,185101E+09	1,185095E+09	1,182275E+09	1,149335E+09
1665	1,070057E+09	9,656927E+08	8,892521E+08	8,892554E+08	9,657045E+08	1,070079E+09	1,149361E+09	1,182295E+09	1,185100E+09	1,185091E+09	1,182275E+09	1,149349E+09
1666	1,070084E+09	9,657150E+08	8,892593E+08	8,892596E+08	9,657052E+08	1,070061E+09	1,149338E+09	1,182286E+09	1,185104E+09	1,185100E+09	1,182278E+09	1,149324E+09
1667	1,070035E+09	9,656584E+08	8,891991E+08	8,892019E+08	9,656694E+08	1,070049E+09	1,149333E+09	1,182283E+09	1,185107E+09	1,185112E+09	1,182296E+09	1,149349E+09
1668	1,070058E+09	9,656811E+08	8,892265E+08	8,892305E+08	9,657043E+08	1,070092E+09	1,149358E+09	1,182274E+09	1,185079E+09	1,185086E+09	1,182288E+09	1,149358E+09
1669	1,070071E+09	9,656809E+08	8,892143E+08	8,892069E+08	9,656636E+08	1,070051E+09	1,149344E+09	1,182282E+09	1,185087E+09	1,185082E+09	1,182271E+09	1,149335E+09
1670	1,070049E+09	9,656539E+08	8,891814E+08	8,891845E+08	9,656535E+08	1,070042E+09	1,149338E+09	1,182286E+09	1,185097E+09	1,185092E+09	1,182279E+09	1,149352E+09
1671	1,070084E+09	9,657079E+08	8,892364E+08	8,892309E+08	9,656967E+08	1,070069E+09	1,149340E+09	1,182280E+09	1,185094E+09	1,185087E+09	1,182268E+09	1,149327E+09
1672	1,070047E+09	9,656740E+08	8,892115E+08	8,891986E+08	9,656562E+08	1,070043E+09	1,149332E+09	1,182276E+09	1,185093E+09	1,185094E+09	1,182276E+09	1,149327E+09
1673	1,070034E+09	9,656561E+08	8,892159E+08	8,892302E+08	9,656886E+08	1,070065E+09	1,149345E+09	1,182278E+09	1,185087E+09	1,185087E+09	1,182279E+09	1,149352E+09
1674	1,070081E+09	9,657049E+08	8,892490E+08	8,892588E+08	9,657177E+08	1,070079E+09	1,149345E+09	1,182277E+09	1,185089E+09	1,185090E+09	1,182278E+09	1,149331E+09
1675	1,070044E+09	9,656669E+08	8,892081E+08	8,892101E+08	9,656776E+08	1,070060E+09	1,149344E+09	1,182289E+09	1,185106E+09	1,185105E+09	1,182288E+09	1,149347E+09
1676	1,070067E+09	9,657014E+08	8,892549E+08	8,892556E+08	9,657170E+08	1,070098E+09	1,149367E+09	1,182289E+09	1,185094E+09	1,185091E+09	1,182279E+09	1,149353E+09
1677	1,070090E+09	9,657308E+08	8,892835E+08	8,892745E+08	9,657063E+08	1,070064E+09	1,149345E+09	1,182292E+09	1,185111E+09	1,185103E+09	1,182273E+09	1,149327E+09
1678	1,070057E+09	9,656995E+08	8,892557E+08	8,892587E+08	9,656991E+08	1,070050E+09	1,149326E+09	1,182283E+09	1,185116E+09	1,185118E+09	1,182295E+09	1,149355E+09
1679	1,070092E+09	9,657479E+08	8,893126E+08	8,893151E+08	9,657580E+08	1,070098E+09	1,149342E+09	1,182274E+09	1,185098E+09	1,185102E+09	1,182285E+09	1,149347E+09
1680	1,070078E+09	9,657274E+08	8,892927E+08	8,892887E+08	9,657214E+08	1,070075E+09	1,149343E+09	1,182277E+09	1,185095E+09	1,185098E+09	1,182281E+09	1,149340E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1681	1,070064E+09	9,657054E+08	8,892760E+08	8,892879E+08	9,657266E+08	1,070079E+09	1,149350E+09	1,182284E+09	1,185094E+09	1,185088E+09	1,182276E+09	1,149355E+09
1682	1,070107E+09	9,657613E+08	8,893174E+08	8,893151E+08	9,657535E+08	1,070097E+09	1,149354E+09	1,182286E+09	1,185100E+09	1,185094E+09	1,182270E+09	1,149325E+09
1683	1,070059E+09	9,657111E+08	8,892697E+08	8,892595E+08	9,656966E+08	1,070061E+09	1,149340E+09	1,182290E+09	1,185115E+09	1,185112E+09	1,182282E+09	1,149332E+09
1684	1,070058E+09	9,657060E+08	8,892740E+08	8,892804E+08	9,657262E+08	1,070090E+09	1,149355E+09	1,182284E+09	1,185098E+09	1,185096E+09	1,182279E+09	1,149345E+09
1685	1,070083E+09	9,657261E+08	8,892830E+08	8,892870E+08	9,657262E+08	1,070075E+09	1,149342E+09	1,182283E+09	1,185104E+09	1,185103E+09	1,182278E+09	1,149328E+09
1686	1,070047E+09	9,656752E+08	8,892203E+08	8,892240E+08	9,656819E+08	1,070051E+09	1,149329E+09	1,182276E+09	1,185102E+09	1,185108E+09	1,182296E+09	1,149357E+09
1687	1,070078E+09	9,657090E+08	8,892563E+08	8,892559E+08	9,657152E+08	1,070089E+09	1,149353E+09	1,182280E+09	1,185087E+09	1,185084E+09	1,182276E+09	1,149349E+09
1688	1,070076E+09	9,657039E+08	8,892467E+08	8,892363E+08	9,656779E+08	1,070054E+09	1,149344E+09	1,182284E+09	1,185095E+09	1,185089E+09	1,182269E+09	1,149328E+09
1689	1,070047E+09	9,656705E+08	8,892179E+08	8,892239E+08	9,656723E+08	1,070040E+09	1,149327E+09	1,182275E+09	1,185093E+09	1,185090E+09	1,182273E+09	1,149341E+09
1690	1,070081E+09	9,657255E+08	8,892729E+08	8,892724E+08	9,657249E+08	1,070079E+09	1,149335E+09	1,182268E+09	1,185088E+09	1,185093E+09	1,182276E+09	1,149326E+09
1691	1,070045E+09	9,656827E+08	8,892365E+08	8,892333E+08	9,656832E+08	1,070056E+09	1,149331E+09	1,182270E+09	1,185094E+09	1,185101E+09	1,182284E+09	1,149336E+09
1692	1,070047E+09	9,656743E+08	8,892348E+08	8,892506E+08	9,657110E+08	1,070086E+09	1,149355E+09	1,182277E+09	1,185081E+09	1,185079E+09	1,182272E+09	1,149349E+09
1693	1,070091E+09	9,657306E+08	8,892815E+08	8,892865E+08	9,657327E+08	1,070087E+09	1,149355E+09	1,182290E+09	1,185099E+09	1,185088E+09	1,182264E+09	1,149325E+09
1694	1,070058E+09	9,656982E+08	8,892466E+08	8,892422E+08	9,656873E+08	1,070050E+09	1,149331E+09	1,182286E+09	1,185113E+09	1,185111E+09	1,182285E+09	1,149343E+09
1695	1,070078E+09	9,657341E+08	8,893012E+08	8,892984E+08	9,657349E+08	1,070089E+09	1,149352E+09	1,182289E+09	1,185105E+09	1,185100E+09	1,182277E+09	1,149342E+09
1696	1,070087E+09	9,657491E+08	8,893214E+08	8,893180E+08	9,657361E+08	1,070073E+09	1,149338E+09	1,182283E+09	1,185111E+09	1,185112E+09	1,182281E+09	1,149328E+09
1697	1,070056E+09	9,657115E+08	8,892874E+08	8,892978E+08	9,657274E+08	1,070063E+09	1,149323E+09	1,182269E+09	1,185100E+09	1,185108E+09	1,182290E+09	1,149355E+09
1698	1,070101E+09	9,657693E+08	8,893445E+08	8,893487E+08	9,657825E+08	1,070114E+09	1,149351E+09	1,182272E+09	1,185091E+09	1,185097E+09	1,182283E+09	1,149345E+09
1699	1,070085E+09	9,657457E+08	8,893189E+08	8,893158E+08	9,657373E+08	1,070080E+09	1,149346E+09	1,182286E+09	1,185107E+09	1,185104E+09	1,182278E+09	1,149337E+09
1700	1,070074E+09	9,657287E+08	8,893006E+08	8,893082E+08	9,657421E+08	1,070090E+09	1,149354E+09	1,182288E+09	1,185102E+09	1,185093E+09	1,182268E+09	1,149340E+09
1701	1,070102E+09	9,657800E+08	8,893517E+08	8,893481E+08	9,657698E+08	1,070098E+09	1,149353E+09	1,182292E+09	1,185112E+09	1,185104E+09	1,182269E+09	1,149321E+09
1702	1,070060E+09	9,657240E+08	8,892949E+08	8,892890E+08	9,657130E+08	1,070055E+09	1,149324E+09	1,182278E+09	1,185116E+09	1,185122E+09	1,182295E+09	1,149343E+09
1703	1,070068E+09	9,657228E+08	8,892985E+08	8,893071E+08	9,657435E+08	1,070093E+09	1,149350E+09	1,182280E+09	1,185097E+09	1,185098E+09	1,182282E+09	1,149349E+09
1704	1,070090E+09	9,657409E+08	8,893032E+08	8,893077E+08	9,657397E+08	1,070082E+09	1,149345E+09	1,182281E+09	1,185099E+09	1,185099E+09	1,182277E+09	1,149331E+09
1705	1,070055E+09	9,656947E+08	8,892474E+08	8,892475E+08	9,656914E+08	1,070049E+09	1,149323E+09	1,182269E+09	1,185092E+09	1,185094E+09	1,182279E+09	1,149347E+09
1706	1,070086E+09	9,657385E+08	8,892957E+08	8,892897E+08	9,657311E+08	1,070088E+09	1,149346E+09	1,182271E+09	1,185084E+09	1,185085E+09	1,182271E+09	1,149336E+09
1707	1,070073E+09	9,657204E+08	8,892805E+08	8,892748E+08	9,656990E+08	1,070052E+09	1,149332E+09	1,182278E+09	1,185100E+09	1,185097E+09	1,182271E+09	1,149323E+09
1708	1,070047E+09	9,656854E+08	8,892429E+08	8,892556E+08	9,657044E+08	1,070061E+09	1,149328E+09	1,182267E+09	1,185087E+09	1,185088E+09	1,182270E+09	1,149333E+09
1709	1,070076E+09	9,657376E+08	8,893014E+08	8,893061E+08	9,657525E+08	1,070099E+09	1,149349E+09	1,182273E+09	1,185088E+09	1,185089E+09	1,182269E+09	1,149327E+09
1710	1,070055E+09	9,656996E+08	8,892599E+08	8,892590E+08	9,656995E+08	1,070061E+09	1,149333E+09	1,182274E+09	1,185099E+09	1,185103E+09	1,182283E+09	1,149340E+09
1711	1,070064E+09	9,657039E+08	8,892673E+08	8,892768E+08	9,657222E+08	1,070085E+09	1,149357E+09	1,182291E+09	1,185098E+09	1,185086E+09	1,182266E+09	1,149341E+09
1712	1,070095E+09	9,657551E+08	8,893170E+08	8,893171E+08	9,657459E+08	1,070086E+09	1,149353E+09	1,182295E+09	1,185113E+09	1,185104E+09	1,182270E+09	1,149321E+09
1713	1,070058E+09	9,657197E+08	8,892887E+08	8,892840E+08	9,657062E+08	1,070044E+09	1,149315E+09	1,182273E+09	1,185110E+09	1,185113E+09	1,182286E+09	1,149341E+09
1714	1,070083E+09	9,657588E+08	8,893434E+08	8,893442E+08	9,657652E+08	1,070094E+09	1,149338E+09	1,182269E+09	1,185097E+09	1,185107E+09	1,182288E+09	1,149347E+09
1715	1,070092E+09	9,657646E+08	8,893514E+08	8,893555E+08	9,657649E+08	1,070085E+09	1,149336E+09	1,182274E+09	1,185104E+09	1,185112E+09	1,182286E+09	1,149338E+09
1716	1,070073E+09	9,657361E+08	8,893128E+08	8,893227E+08	9,657527E+08	1,070084E+09	1,149333E+09	1,182268E+09	1,185091E+09	1,185093E+09	1,182275E+09	1,149345E+09

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1717	1,070106E+09	9,657951E+08	8,893802E+08	8,893791E+08	9,657994E+08	1,070123E+09	1,149363E+09	1,182286E+09	1,185100E+09	1,185091E+09	1,182264E+09	1,149333E+09
1718	1,070092E+09	9,657703E+08	8,893538E+08	8,893472E+08	9,657512E+08	1,070075E+09	1,149338E+09	1,182287E+09	1,185118E+09	1,185112E+09	1,182275E+09	1,149329E+09
1719	1,070076E+09	9,657511E+08	8,893360E+08	8,893421E+08	9,657587E+08	1,070084E+09	1,149345E+09	1,182292E+09	1,185113E+09	1,185104E+09	1,182270E+09	1,149331E+09
1720	1,070093E+09	9,657858E+08	8,893748E+08	8,893787E+08	9,657944E+08	1,070108E+09	1,149351E+09	1,182287E+09	1,185114E+09	1,185114E+09	1,182282E+09	1,149327E+09
1721	1,070058E+09	9,657307E+08	8,893170E+08	8,893152E+08	9,657312E+08	1,070061E+09	1,149319E+09	1,182265E+09	1,185101E+09	1,185112E+09	1,182293E+09	1,149348E+09
1722	1,070080E+09	9,657419E+08	8,893236E+08	8,893302E+08	9,657571E+08	1,070095E+09	1,149349E+09	1,182274E+09	1,185090E+09	1,185096E+09	1,182282E+09	1,149351E+09
1723	1,070099E+09	9,657602E+08	8,893276E+08	8,893289E+08	9,657502E+08	1,070081E+09	1,149343E+09	1,182283E+09	1,185104E+09	1,185101E+09	1,182274E+09	1,149330E+09
1724	1,070067E+09	9,657212E+08	8,892757E+08	8,892697E+08	9,657076E+08	1,070056E+09	1,149321E+09	1,182265E+09	1,185090E+09	1,185090E+09	1,182267E+09	1,149332E+09
1725	1,070082E+09	9,657580E+08	8,893334E+08	8,893276E+08	9,657536E+08	1,070092E+09	1,149346E+09	1,182274E+09	1,185089E+09	1,185085E+09	1,182263E+09	1,149330E+09
1726	1,070074E+09	9,657338E+08	8,893087E+08	8,893099E+08	9,657261E+08	1,070057E+09	1,149322E+09	1,182269E+09	1,185099E+09	1,185102E+09	1,182275E+09	1,149327E+09
1727	1,070055E+09	9,657028E+08	8,892693E+08	8,892837E+08	9,657255E+08	1,070070E+09	1,149335E+09	1,182273E+09	1,185089E+09	1,185087E+09	1,182267E+09	1,149331E+09
1728	1,070078E+09	9,657506E+08	8,893242E+08	8,893299E+08	9,657697E+08	1,070110E+09	1,149360E+09	1,182284E+09	1,185095E+09	1,185091E+09	1,182269E+09	1,149327E+09
1729	1,070060E+09	9,657215E+08	8,892938E+08	8,892861E+08	9,657094E+08	1,070056E+09	1,149327E+09	1,182274E+09	1,185101E+09	1,185100E+09	1,182275E+09	1,149334E+09
1730	1,070072E+09	9,657354E+08	8,893128E+08	8,893150E+08	9,657377E+08	1,070078E+09	1,149343E+09	1,182282E+09	1,185103E+09	1,185101E+09	1,182272E+09	1,149336E+09
1731	1,070096E+09	9,657763E+08	8,893564E+08	8,893588E+08	9,657700E+08	1,070084E+09	1,149337E+09	1,182284E+09	1,185117E+09	1,185117E+09	1,182280E+09	1,149327E+09
1732	1,070067E+09	9,657416E+08	8,893209E+08	8,893209E+08	9,657422E+08	1,070064E+09	1,149311E+09	1,182258E+09	1,185098E+09	1,185107E+09	1,182283E+09	1,149340E+09
1733	1,070088E+09	9,657793E+08	8,893801E+08	8,893846E+08	9,657970E+08	1,070114E+09	1,149349E+09	1,182271E+09	1,185091E+09	1,185094E+09	1,182276E+09	1,149349E+09
1734	1,070107E+09	9,657869E+08	8,893807E+08	8,893864E+08	9,657873E+08	1,070092E+09	1,149338E+09	1,182278E+09	1,185107E+09	1,185108E+09	1,182278E+09	1,149337E+09
1735	1,070087E+09	9,657658E+08	8,893488E+08	8,893514E+08	9,657678E+08	1,070088E+09	1,149342E+09	1,182284E+09	1,185106E+09	1,185098E+09	1,182265E+09	1,149331E+09
1736	1,070101E+09	9,658113E+08	8,894131E+08	8,894097E+08	9,658150E+08	1,070126E+09	1,149364E+09	1,182294E+09	1,185114E+09	1,185105E+09	1,182268E+09	1,149325E+09
1737	1,070083E+09	9,657816E+08	8,893860E+08	8,893796E+08	9,657672E+08	1,070070E+09	1,149323E+09	1,182278E+09	1,185118E+09	1,185118E+09	1,182279E+09	1,149329E+09
1738	1,070078E+09	9,657653E+08	8,893647E+08	8,893733E+08	9,657814E+08	1,070089E+09	1,149332E+09	1,182273E+09	1,185109E+09	1,185115E+09	1,182284E+09	1,149340E+09
1739	1,070099E+09	9,657948E+08	8,893914E+08	8,893980E+08	9,658098E+08	1,070114E+09	1,149347E+09	1,182278E+09	1,185108E+09	1,185114E+09	1,182288E+09	1,149340E+09
1740	1,070079E+09	9,657531E+08	8,893355E+08	8,893298E+08	9,657458E+08	1,070071E+09	1,149322E+09	1,182262E+09	1,185090E+09	1,185095E+09	1,182276E+09	1,149342E+09
1741	1,070090E+09	9,657698E+08	8,893598E+08	8,893581E+08	9,657688E+08	1,070095E+09	1,149349E+09	1,182279E+09	1,185092E+09	1,185083E+09	1,182261E+09	1,149341E+09
1742	1,070107E+09	9,657840E+08	8,893633E+08	8,893614E+08	9,657656E+08	1,070074E+09	1,149329E+09	1,182277E+09	1,185108E+09	1,185104E+09	1,182267E+09	1,149320E+09
1743	1,070068E+09	9,657429E+08	8,893137E+08	8,893069E+08	9,657301E+08	1,070058E+09	1,149318E+09	1,182267E+09	1,185096E+09	1,185094E+09	1,182263E+09	1,149318E+09
1744	1,070068E+09	9,657612E+08	8,893579E+08	8,893606E+08	9,657832E+08	1,070110E+09	1,149351E+09	1,182275E+09	1,185093E+09	1,185092E+09	1,182268E+09	1,149327E+09
1745	1,070068E+09	9,657405E+08	8,893328E+08	8,893367E+08	9,657471E+08	1,070068E+09	1,149326E+09	1,182268E+09	1,185095E+09	1,185097E+09	1,182272E+09	1,149329E+09
1746	1,070065E+09	9,657226E+08	8,892976E+08	8,893091E+08	9,657417E+08	1,070075E+09	1,149335E+09	1,182274E+09	1,185097E+09	1,185097E+09	1,182271E+09	1,149333E+09
1747	1,070087E+09	9,657696E+08	8,893509E+08	8,893526E+08	9,657810E+08	1,070108E+09	1,149356E+09	1,182289E+09	1,185109E+09	1,185105E+09	1,182275E+09	1,149332E+09
1748	1,070075E+09	9,657498E+08	8,893283E+08	8,893160E+08	9,657285E+08	1,070059E+09	1,149320E+09	1,182268E+09	1,185101E+09	1,185103E+09	1,182273E+09	1,149329E+09
1749	1,070076E+09	9,657609E+08	8,893584E+08	8,893605E+08	9,657641E+08	1,070079E+09	1,149333E+09	1,182276E+09	1,185104E+09	1,185101E+09	1,182272E+09	1,149341E+09
1750	1,070107E+09	9,657975E+08	8,893928E+08	8,894001E+08	9,658019E+08	1,070092E+09	1,149325E+09	1,182268E+09	1,185109E+09	1,185117E+09	1,182284E+09	1,149335E+09
1751	1,070083E+09	9,657697E+08	8,893584E+08	8,893556E+08	9,657667E+08	1,070077E+09	1,149320E+09	1,182261E+09	1,185092E+09	1,185097E+09	1,182271E+09	1,149333E+09
1752	1,070092E+09	9,657981E+08	8,894104E+08	8,894148E+08	9,658195E+08	1,070128E+09	1,149362E+09	1,182283E+09	1,185097E+09	1,185089E+09	1,182263E+09	1,149338E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1753	1,070108E+09	9,658103E+08	8,894190E+08	8,894180E+08	9,658027E+08	1,070092E+09	1,149335E+09	1,182280E+09	1,185111E+09	1,185103E+09	1,182263E+09	1,149322E+09
1754	1,070088E+09	9,657893E+08	8,893894E+08	8,893877E+08	9,657849E+08	1,070085E+09	1,149330E+09	1,182279E+09	1,185116E+09	1,185115E+09	1,182270E+09	1,149322E+09
1755	1,070094E+09	9,658191E+08	8,894398E+08	8,894412E+08	9,658361E+08	1,070128E+09	1,149355E+09	1,182289E+09	1,185122E+09	1,185121E+09	1,182282E+09	1,149333E+09
1756	1,070089E+09	9,657937E+08	8,894060E+08	8,894042E+08	9,657925E+08	1,070084E+09	1,149320E+09	1,182266E+09	1,185109E+09	1,185115E+09	1,182280E+09	1,149333E+09
1757	1,070085E+09	9,657814E+08	8,893917E+08	8,894004E+08	9,657991E+08	1,070096E+09	1,149336E+09	1,182275E+09	1,185105E+09	1,185104E+09	1,182276E+09	1,149347E+09
1758	1,070118E+09	9,658163E+08	8,894154E+08	8,894188E+08	9,658216E+08	1,070112E+09	1,149340E+09	1,182277E+09	1,185109E+09	1,185111E+09	1,182280E+09	1,149340E+09
1759	1,070095E+09	9,657837E+08	8,893708E+08	8,893542E+08	9,657541E+08	1,070070E+09	1,149324E+09	1,182270E+09	1,185097E+09	1,185093E+09	1,182262E+09	1,149325E+09
1760	1,070085E+09	9,657851E+08	8,893927E+08	8,893907E+08	9,657870E+08	1,070098E+09	1,149348E+09	1,182283E+09	1,185100E+09	1,185090E+09	1,182258E+09	1,149328E+09
1761	1,070097E+09	9,657947E+08	8,893964E+08	8,893969E+08	9,657886E+08	1,070076E+09	1,149316E+09	1,182267E+09	1,185105E+09	1,185104E+09	1,182266E+09	1,149316E+09
1762	1,070066E+09	9,657535E+08	8,893418E+08	8,893399E+08	9,657571E+08	1,070070E+09	1,149312E+09	1,182254E+09	1,185095E+09	1,185107E+09	1,182274E+09	1,149322E+09
1763	1,070070E+09	9,657657E+08	8,893727E+08	8,893798E+08	9,658007E+08	1,070122E+09	1,149357E+09	1,182277E+09	1,185095E+09	1,185096E+09	1,182274E+09	1,149338E+09
1764	1,070084E+09	9,657607E+08	8,893518E+08	8,893527E+08	9,657617E+08	1,070078E+09	1,149330E+09	1,182271E+09	1,185096E+09	1,185091E+09	1,182261E+09	1,149324E+09
1765	1,070075E+09	9,657516E+08	8,893376E+08	8,893408E+08	9,657539E+08	1,070072E+09	1,149331E+09	1,182280E+09	1,185105E+09	1,185095E+09	1,182261E+09	1,149331E+09
1766	1,070101E+09	9,657973E+08	8,893906E+08	8,893884E+08	9,657963E+08	1,070098E+09	1,149336E+09	1,182279E+09	1,185113E+09	1,185113E+09	1,182278E+09	1,149332E+09
1767	1,070085E+09	9,657787E+08	8,893734E+08	8,893595E+08	9,657542E+08	1,070063E+09	1,149314E+09	1,182263E+09	1,185099E+09	1,185103E+09	1,182271E+09	1,149323E+09
1768	1,070074E+09	9,657754E+08	8,893941E+08	8,894026E+08	9,657985E+08	1,070098E+09	1,149336E+09	1,182270E+09	1,185098E+09	1,185098E+09	1,182270E+09	1,149338E+09
1769	1,070108E+09	9,658146E+08	8,894267E+08	8,894339E+08	9,658265E+08	1,070105E+09	1,149328E+09	1,182265E+09	1,185101E+09	1,185105E+09	1,182272E+09	1,149330E+09
1770	1,070093E+09	9,657950E+08	8,893951E+08	8,893893E+08	9,657889E+08	1,070088E+09	1,149322E+09	1,182264E+09	1,185102E+09	1,185105E+09	1,182266E+09	1,149324E+09
1771	1,070094E+09	9,658147E+08	8,894389E+08	8,894406E+08	9,658338E+08	1,070132E+09	1,149363E+09	1,182292E+09	1,185115E+09	1,185104E+09	1,182265E+09	1,149334E+09
1772	1,070113E+09	9,658306E+08	8,894493E+08	8,894478E+08	9,658219E+08	1,070096E+09	1,149330E+09	1,182280E+09	1,185119E+09	1,185111E+09	1,182263E+09	1,149315E+09
1773	1,070086E+09	9,658063E+08	8,894263E+08	8,894271E+08	9,658078E+08	1,070085E+09	1,149320E+09	1,182274E+09	1,185120E+09	1,185119E+09	1,182275E+09	1,149332E+09
1774	1,070106E+09	9,658324E+08	8,894631E+08	8,894689E+08	9,658560E+08	1,070131E+09	1,149343E+09	1,182274E+09	1,185116E+09	1,185124E+09	1,182290E+09	1,149346E+09
1775	1,070108E+09	9,658186E+08	8,894348E+08	8,894282E+08	9,658047E+08	1,070091E+09	1,149327E+09	1,182267E+09	1,185101E+09	1,185105E+09	1,182271E+09	1,149330E+09
1776	1,070093E+09	9,658015E+08	8,894198E+08	8,894255E+08	9,658130E+08	1,070102E+09	1,149338E+09	1,182278E+09	1,185106E+09	1,185098E+09	1,182263E+09	1,149336E+09
1777	1,070120E+09	9,658408E+08	8,894524E+08	8,894474E+08	9,658327E+08	1,070108E+09	1,149329E+09	1,182270E+09	1,185108E+09	1,185105E+09	1,182265E+09	1,149325E+09
1778	1,070095E+09	9,658057E+08	8,894109E+08	8,893934E+08	9,657757E+08	1,070071E+09	1,149310E+09	1,182259E+09	1,185103E+09	1,185107E+09	1,182263E+09	1,149313E+09
1779	1,070075E+09	9,657879E+08	8,894142E+08	8,894217E+08	9,658133E+08	1,070110E+09	1,149345E+09	1,182279E+09	1,185105E+09	1,185100E+09	1,182266E+09	1,149331E+09
1780	1,070098E+09	9,658013E+08	8,894122E+08	8,894218E+08	9,658166E+08	1,070097E+09	1,149323E+09	1,182263E+09	1,185099E+09	1,185099E+09	1,182263E+09	1,149316E+09
1781	1,070071E+09	9,657662E+08	8,893655E+08	8,893656E+08	9,657736E+08	1,070081E+09	1,149321E+09	1,182264E+09	1,185098E+09	1,185100E+09	1,182269E+09	1,149331E+09
1782	1,070088E+09	9,657852E+08	8,893940E+08	8,893983E+08	9,658093E+08	1,070122E+09	1,149354E+09	1,182281E+09	1,185105E+09	1,185103E+09	1,182274E+09	1,149342E+09
1783	1,070103E+09	9,657941E+08	8,893898E+08	8,893781E+08	9,657664E+08	1,070074E+09	1,149330E+09	1,182277E+09	1,185104E+09	1,185096E+09	1,182256E+09	1,149314E+09
1784	1,070076E+09	9,657727E+08	8,893766E+08	8,893790E+08	9,657729E+08	1,070070E+09	1,149321E+09	1,182276E+09	1,185112E+09	1,185104E+09	1,182263E+09	1,149324E+09
1785	1,070100E+09	9,658185E+08	8,894319E+08	8,894305E+08	9,658225E+08	1,070100E+09	1,149317E+09	1,182260E+09	1,185105E+09	1,185111E+09	1,182276E+09	1,149332E+09
1786	1,070092E+09	9,658001E+08	8,894116E+08	8,894021E+08	9,657858E+08	1,070077E+09	1,149305E+09	1,182246E+09	1,185093E+09	1,185107E+09	1,182271E+09	1,149323E+09
1787	1,070080E+09	9,657896E+08	8,894191E+08	8,894312E+08	9,658218E+08	1,070115E+09	1,149346E+09	1,182275E+09	1,185097E+09	1,185094E+09	1,182264E+09	1,149339E+09
1788	1,070122E+09	9,658392E+08	8,894560E+08	8,894618E+08	9,658473E+08	1,070117E+09	1,149334E+09	1,182271E+09	1,185103E+09	1,185096E+09	1,182254E+09	1,149316E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1789	1,070096E+09	9,658215E+08	8,894384E+08	8,894283E+08	9,658058E+08	1,070089E+09	1,149322E+09	1,182272E+09	1,185114E+09	1,185107E+09	1,182259E+09	1,149319E+09
1790	1,070099E+09	9,658337E+08	8,894725E+08	8,894764E+08	9,658525E+08	1,070128E+09	1,149349E+09	1,182287E+09	1,185125E+09	1,185120E+09	1,182274E+09	1,149334E+09
1791	1,070118E+09	9,658518E+08	8,894846E+08	8,894829E+08	9,658426E+08	1,070103E+09	1,149328E+09	1,182276E+09	1,185120E+09	1,185118E+09	1,182267E+09	1,149314E+09
1792	1,070086E+09	9,658168E+08	8,894525E+08	8,894598E+08	9,658332E+08	1,070100E+09	1,149322E+09	1,182271E+09	1,185118E+09	1,185120E+09	1,182278E+09	1,149335E+09
1793	1,070113E+09	9,658521E+08	8,894907E+08	8,894937E+08	9,658696E+08	1,070134E+09	1,149339E+09	1,182268E+09	1,185108E+09	1,185114E+09	1,182281E+09	1,149347E+09
1794	1,070123E+09	9,658454E+08	8,894680E+08	8,894575E+08	9,658205E+08	1,070094E+09	1,149320E+09	1,182262E+09	1,185107E+09	1,185111E+09	1,182266E+09	1,149322E+09
1795	1,070096E+09	9,658190E+08	8,894468E+08	8,894501E+08	9,658254E+08	1,070105E+09	1,149337E+09	1,182280E+09	1,185114E+09	1,185105E+09	1,182262E+09	1,149330E+09
1796	1,070122E+09	9,658569E+08	8,894790E+08	8,894775E+08	9,658535E+08	1,070114E+09	1,149324E+09	1,182265E+09	1,185108E+09	1,185106E+09	1,182260E+09	1,149315E+09
1797	1,070090E+09	9,658180E+08	8,894418E+08	8,894314E+08	9,658021E+08	1,070081E+09	1,149307E+09	1,182255E+09	1,185103E+09	1,185106E+09	1,182265E+09	1,149320E+09
1798	1,070082E+09	9,657957E+08	8,894286E+08	8,894429E+08	9,658313E+08	1,070119E+09	1,149343E+09	1,182272E+09	1,185103E+09	1,185104E+09	1,182271E+09	1,149338E+09
1799	1,070113E+09	9,658222E+08	8,894349E+08	8,894397E+08	9,658235E+08	1,070105E+09	1,149337E+09	1,182272E+09	1,185099E+09	1,185093E+09	1,182254E+09	1,149312E+09
1800	1,070078E+09	9,657864E+08	8,893935E+08	8,893906E+08	9,657838E+08	1,070081E+09	1,149322E+09	1,182271E+09	1,185107E+09	1,185100E+09	1,182260E+09	1,149320E+09
1801	1,070092E+09	9,658129E+08	8,894324E+08	8,894268E+08	9,658147E+08	1,070109E+09	1,149336E+09	1,182272E+09	1,185106E+09	1,185104E+09	1,182267E+09	1,149332E+09
1802	1,070107E+09	9,658208E+08	8,894340E+08	8,894225E+08	9,657899E+08	1,070072E+09	1,149309E+09	1,182260E+09	1,185108E+09	1,185111E+09	1,182261E+09	1,149307E+09
1803	1,070072E+09	9,657853E+08	8,894070E+08	8,894174E+08	9,658029E+08	1,070083E+09	1,149315E+09	1,182264E+09	1,185108E+09	1,185109E+09	1,182269E+09	1,149328E+09
1804	1,070106E+09	9,658339E+08	8,894585E+08	8,894658E+08	9,658545E+08	1,070120E+09	1,149322E+09	1,182253E+09	1,185094E+09	1,185100E+09	1,182266E+09	1,149328E+09
1805	1,070100E+09	9,658217E+08	8,894469E+08	8,894415E+08	9,658126E+08	1,070092E+09	1,149315E+09	1,182254E+09	1,185094E+09	1,185096E+09	1,182261E+09	1,149324E+09
1806	1,070093E+09	9,658119E+08	8,894468E+08	8,894588E+08	9,658387E+08	1,070120E+09	1,149347E+09	1,182281E+09	1,185111E+09	1,185102E+09	1,182262E+09	1,149334E+09
1807	1,070131E+09	9,658691E+08	8,894963E+08	8,894939E+08	9,658585E+08	1,070121E+09	1,149342E+09	1,182281E+09	1,185116E+09	1,185106E+09	1,182252E+09	1,149305E+09
1808	1,070091E+09	9,658379E+08	8,894755E+08	8,894694E+08	9,658283E+08	1,070090E+09	1,149316E+09	1,182273E+09	1,185126E+09	1,185123E+09	1,182267E+09	1,149315E+09
1809	1,070097E+09	9,658514E+08	8,895054E+08	8,895109E+08	9,658737E+08	1,070129E+09	1,149333E+09	1,182270E+09	1,185120E+09	1,185125E+09	1,182281E+09	1,149342E+09
1810	1,070130E+09	9,658732E+08	8,895157E+08	8,895166E+08	9,658670E+08	1,070112E+09	1,149319E+09	1,182260E+09	1,185115E+09	1,185124E+09	1,182273E+09	1,149321E+09
1811	1,070098E+09	9,658344E+08	8,894738E+08	8,894810E+08	9,658486E+08	1,070109E+09	1,149326E+09	1,182270E+09	1,185115E+09	1,185115E+09	1,182274E+09	1,149338E+09
1812	1,070130E+09	9,658785E+08	8,895192E+08	8,895194E+08	9,658841E+08	1,070137E+09	1,149337E+09	1,182267E+09	1,185105E+09	1,185102E+09	1,182262E+09	1,149333E+09
1813	1,070127E+09	9,658716E+08	8,895088E+08	8,894963E+08	9,658377E+08	1,070093E+09	1,149315E+09	1,182263E+09	1,185109E+09	1,185105E+09	1,182256E+09	1,149314E+09
1814	1,070097E+09	9,658341E+08	8,894752E+08	8,894834E+08	9,658465E+08	1,070107E+09	1,149328E+09	1,182274E+09	1,185118E+09	1,185114E+09	1,182266E+09	1,149325E+09
1815	1,070121E+09	9,658720E+08	8,895076E+08	8,895076E+08	9,658734E+08	1,070128E+09	1,149333E+09	1,182263E+09	1,185104E+09	1,185105E+09	1,182258E+09	1,149308E+09
1816	1,070084E+09	9,658226E+08	8,894603E+08	8,894577E+08	9,658233E+08	1,070095E+09	1,149317E+09	1,182260E+09	1,185106E+09	1,185108E+09	1,182264E+09	1,149317E+09
1817	1,070086E+09	9,658120E+08	8,894482E+08	8,894595E+08	9,658395E+08	1,070120E+09	1,149341E+09	1,182272E+09	1,185105E+09	1,185102E+09	1,182266E+09	1,149338E+09
1818	1,070125E+09	9,658469E+08	8,894639E+08	8,894637E+08	9,658332E+08	1,070101E+09	1,149326E+09	1,182270E+09	1,185113E+09	1,185108E+09	1,182255E+09	1,149306E+09
1819	1,070081E+09	9,658051E+08	8,894213E+08	8,894160E+08	9,657943E+08	1,070078E+09	1,149315E+09	1,182269E+09	1,185115E+09	1,185112E+09	1,182266E+09	1,149320E+09
1820	1,070098E+09	9,658332E+08	8,894658E+08	8,894649E+08	9,658369E+08	1,070107E+09	1,149322E+09	1,182258E+09	1,185101E+09	1,185104E+09	1,182266E+09	1,149329E+09
1821	1,070109E+09	9,658401E+08	8,894722E+08	8,894688E+08	9,658228E+08	1,070083E+09	1,149302E+09	1,182246E+09	1,185097E+09	1,185104E+09	1,182263E+09	1,149317E+09
1822	1,070084E+09	9,658026E+08	8,894326E+08	8,894488E+08	9,658290E+08	1,070099E+09	1,149318E+09	1,182256E+09	1,185100E+09	1,185106E+09	1,182268E+09	1,149331E+09
1823	1,070121E+09	9,658624E+08	8,894920E+08	8,894934E+08	9,658696E+08	1,070136E+09	1,149342E+09	1,182263E+09	1,185093E+09	1,185090E+09	1,182250E+09	1,149315E+09
1824	1,070103E+09	9,658452E+08	8,894831E+08	8,894768E+08	9,658329E+08	1,070099E+09	1,149322E+09	1,182267E+09	1,185110E+09	1,185101E+09	1,182249E+09	1,149307E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1825	1,070093E+09	9,658393E+08	8,894861E+08	8,894926E+08	9,658527E+08	1,070115E+09	1,149336E+09	1,182279E+09	1,185120E+09	1,185112E+09	1,182261E+09	1,149325E+09
1826	1,070131E+09	9,658906E+08	8,895365E+08	8,895379E+08	9,658851E+08	1,070121E+09	1,149326E+09	1,182272E+09	1,185127E+09	1,185126E+09	1,182263E+09	1,149304E+09
1827	1,070090E+09	9,658487E+08	8,895017E+08	8,895025E+08	9,658548E+08	1,070102E+09	1,149314E+09	1,182265E+09	1,185125E+09	1,185131E+09	1,182280E+09	1,149327E+09
1828	1,070109E+09	9,658677E+08	8,895297E+08	8,895399E+08	9,658948E+08	1,070138E+09	1,149334E+09	1,182264E+09	1,185110E+09	1,185116E+09	1,182277E+09	1,149345E+09
1829	1,070144E+09	9,658996E+08	8,895499E+08	8,895501E+08	9,658876E+08	1,070120E+09	1,149322E+09	1,182262E+09	1,185112E+09	1,185113E+09	1,182266E+09	1,149326E+09
1830	1,070114E+09	9,658619E+08	8,895034E+08	8,895052E+08	9,658607E+08	1,070109E+09	1,149321E+09	1,182269E+09	1,185119E+09	1,185117E+09	1,182268E+09	1,149331E+09
1831	1,070137E+09	9,659072E+08	8,895577E+08	8,895487E+08	9,658937E+08	1,070139E+09	1,149342E+09	1,182271E+09	1,185109E+09	1,185102E+09	1,182253E+09	1,149316E+09
1832	1,070118E+09	9,658834E+08	8,895415E+08	8,895368E+08	9,658652E+08	1,070098E+09	1,149311E+09	1,182262E+09	1,185115E+09	1,185112E+09	1,182254E+09	1,149303E+09
1833	1,070090E+09	9,658447E+08	8,894976E+08	8,895097E+08	9,658665E+08	1,070111E+09	1,149319E+09	1,182261E+09	1,185113E+09	1,185116E+09	1,182268E+09	1,149326E+09
1834	1,070123E+09	9,658833E+08	8,895286E+08	8,895323E+08	9,658931E+08	1,070137E+09	1,149331E+09	1,182259E+09	1,185107E+09	1,185111E+09	1,182262E+09	1,149310E+09
1835	1,070089E+09	9,658345E+08	8,894755E+08	8,894717E+08	9,658323E+08	1,070100E+09	1,149322E+09	1,182265E+09	1,185110E+09	1,185109E+09	1,182264E+09	1,149320E+09
1836	1,070097E+09	9,658335E+08	8,894740E+08	8,894812E+08	9,658464E+08	1,070112E+09	1,149333E+09	1,182270E+09	1,185106E+09	1,185099E+09	1,182256E+09	1,149329E+09
1837	1,070129E+09	9,658730E+08	8,895043E+08	8,895016E+08	9,658508E+08	1,070097E+09	1,149313E+09	1,182262E+09	1,185111E+09	1,185108E+09	1,182256E+09	1,149307E+09
1838	1,070086E+09	9,658239E+08	8,894531E+08	8,894518E+08	9,658190E+08	1,070081E+09	1,149301E+09	1,182254E+09	1,185111E+09	1,185117E+09	1,182271E+09	1,149322E+09
1839	1,070103E+09	9,658548E+08	8,895008E+08	8,895003E+08	9,658627E+08	1,070125E+09	1,149331E+09	1,182252E+09	1,185090E+09	1,185095E+09	1,182260E+09	1,149325E+09
1840	1,070110E+09	9,658541E+08	8,895019E+08	8,895066E+08	9,658542E+08	1,070102E+09	1,149315E+09	1,182253E+09	1,185097E+09	1,185098E+09	1,182253E+09	1,149309E+09
1841	1,070090E+09	9,658270E+08	8,894625E+08	8,894752E+08	9,658459E+08	1,070106E+09	1,149322E+09	1,182263E+09	1,185106E+09	1,185104E+09	1,182259E+09	1,149324E+09
1842	1,070127E+09	9,658891E+08	8,895296E+08	8,895266E+08	9,658878E+08	1,070138E+09	1,149338E+09	1,182270E+09	1,185114E+09	1,185107E+09	1,182250E+09	1,149305E+09
1843	1,070101E+09	9,658631E+08	8,895147E+08	8,895074E+08	9,658494E+08	1,070100E+09	1,149321E+09	1,182274E+09	1,185126E+09	1,185120E+09	1,182260E+09	1,149308E+09
1844	1,070096E+09	9,658565E+08	8,895192E+08	8,895308E+08	9,658759E+08	1,070112E+09	1,149322E+09	1,182270E+09	1,185122E+09	1,185120E+09	1,182267E+09	1,149329E+09
1845	1,070137E+09	9,659102E+08	8,895717E+08	8,895780E+08	9,659136E+08	1,070129E+09	1,149317E+09	1,182258E+09	1,185117E+09	1,185124E+09	1,182273E+09	1,149322E+09
1846	1,070108E+09	9,658704E+08	8,895282E+08	8,895293E+08	9,658744E+08	1,070111E+09	1,149313E+09	1,182258E+09	1,185116E+09	1,185126E+09	1,182280E+09	1,149336E+09
1847	1,070131E+09	9,659020E+08	8,895675E+08	8,895666E+08	9,659054E+08	1,070144E+09	1,149343E+09	1,182266E+09	1,185104E+09	1,185101E+09	1,182258E+09	1,149333E+09
1848	1,070148E+09	9,659250E+08	8,895889E+08	8,895864E+08	9,659071E+08	1,070121E+09	1,149321E+09	1,182266E+09	1,185118E+09	1,185110E+09	1,182248E+09	1,149303E+09
1849	1,070111E+09	9,658874E+08	8,895419E+08	8,895394E+08	9,658782E+08	1,070106E+09	1,149309E+09	1,182262E+09	1,185121E+09	1,185120E+09	1,182262E+09	1,149317E+09
1850	1,070129E+09	9,659207E+08	8,895913E+08	8,895879E+08	9,659223E+08	1,070145E+09	1,149330E+09	1,182263E+09	1,185117E+09	1,185115E+09	1,182257E+09	1,149310E+09
1851	1,070108E+09	9,658841E+08	8,895570E+08	8,895608E+08	9,658902E+08	1,070115E+09	1,149318E+09	1,182264E+09	1,185118E+09	1,185118E+09	1,182262E+09	1,149310E+09
1852	1,070094E+09	9,658507E+08	8,895117E+08	8,895291E+08	9,658820E+08	1,070118E+09	1,149323E+09	1,182263E+09	1,185110E+09	1,185110E+09	1,182264E+09	1,149329E+09
1853	1,070132E+09	9,658999E+08	8,895513E+08	8,895539E+08	9,659064E+08	1,070140E+09	1,149332E+09	1,182263E+09	1,185107E+09	1,185108E+09	1,182263E+09	1,149319E+09
1854	1,070103E+09	9,658565E+08	8,895001E+08	8,894890E+08	9,658383E+08	1,070096E+09	1,149316E+09	1,182264E+09	1,185116E+09	1,185117E+09	1,182267E+09	1,149321E+09
1855	1,070108E+09	9,658622E+08	8,895126E+08	8,895088E+08	9,658539E+08	1,070108E+09	1,149330E+09	1,182267E+09	1,185106E+09	1,185100E+09	1,182253E+09	1,149321E+09
1856	1,070127E+09	9,658894E+08	8,895404E+08	8,895433E+08	9,658803E+08	1,070102E+09	1,149305E+09	1,182255E+09	1,185111E+09	1,185110E+09	1,182254E+09	1,149301E+09
1857	1,070089E+09	9,658445E+08	8,894837E+08	8,894835E+08	9,658449E+08	1,070091E+09	1,149294E+09	1,182240E+09	1,185100E+09	1,185112E+09	1,182268E+09	1,149323E+09
1858	1,070111E+09	9,658745E+08	8,895313E+08	8,895329E+08	9,658885E+08	1,070137E+09	1,149333E+09	1,182254E+09	1,185093E+09	1,185092E+09	1,182252E+09	1,149320E+09
1859	1,070116E+09	9,658725E+08	8,895281E+08	8,895313E+08	9,658727E+08	1,070112E+09	1,149326E+09	1,182267E+09	1,185107E+09	1,185098E+09	1,182246E+09	1,149303E+09
1860	1,070096E+09	9,658490E+08	8,894974E+08	8,895061E+08	9,658590E+08	1,070101E+09	1,149317E+09	1,182267E+09	1,185115E+09	1,185107E+09	1,182251E+09	1,149312E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1861	1,070127E+09	9,659109E+08	8,895722E+08	8,895699E+08	9,659123E+08	1,070139E+09	1,149329E+09	1,182266E+09	1,185117E+09	1,185116E+09	1,182260E+09	1,149310E+09
1862	1,070104E+09	9,658812E+08	8,895481E+08	8,895436E+08	9,658747E+08	1,070104E+09	1,149309E+09	1,182262E+09	1,185127E+09	1,185132E+09	1,182273E+09	1,149317E+09
1863	1,070107E+09	9,658800E+08	8,895549E+08	8,895626E+08	9,658968E+08	1,070125E+09	1,149326E+09	1,182263E+09	1,185113E+09	1,185115E+09	1,182266E+09	1,149332E+09
1864	1,070146E+09	9,659301E+08	8,896049E+08	8,896145E+08	9,659412E+08	1,070142E+09	1,149322E+09	1,182261E+09	1,185116E+09	1,185117E+09	1,182262E+09	1,149317E+09
1865	1,070121E+09	9,659014E+08	8,895626E+08	8,895567E+08	9,658898E+08	1,070112E+09	1,149308E+09	1,182255E+09	1,185115E+09	1,185120E+09	1,182268E+09	1,149328E+09
1866	1,070138E+09	9,659301E+08	8,896080E+08	8,896024E+08	9,659247E+08	1,070144E+09	1,149335E+09	1,182269E+09	1,185116E+09	1,185107E+09	1,182250E+09	1,149319E+09
1867	1,070143E+09	9,659395E+08	8,896202E+08	8,896193E+08	9,659290E+08	1,070127E+09	1,149320E+09	1,182270E+09	1,185127E+09	1,185120E+09	1,182252E+09	1,149298E+09
1868	1,070106E+09	9,658944E+08	8,895692E+08	8,895740E+08	9,659027E+08	1,070110E+09	1,149300E+09	1,182253E+09	1,185121E+09	1,185123E+09	1,182263E+09	1,149316E+09
1869	1,070127E+09	9,659273E+08	8,896137E+08	8,896178E+08	9,659494E+08	1,070160E+09	1,149331E+09	1,182255E+09	1,185107E+09	1,185113E+09	1,182266E+09	1,149323E+09
1870	1,070119E+09	9,658960E+08	8,895713E+08	8,895737E+08	9,659009E+08	1,070122E+09	1,149322E+09	1,182265E+09	1,185117E+09	1,185117E+09	1,182264E+09	1,149318E+09
1871	1,070113E+09	9,658775E+08	8,895390E+08	8,895425E+08	9,658829E+08	1,070118E+09	1,149328E+09	1,182270E+09	1,185112E+09	1,185103E+09	1,182251E+09	1,149321E+09
1872	1,070139E+09	9,659227E+08	8,895852E+08	8,895827E+08	9,659183E+08	1,070134E+09	1,149324E+09	1,182266E+09	1,185116E+09	1,185111E+09	1,182251E+09	1,149304E+09
1873	1,070107E+09	9,658823E+08	8,895372E+08	8,895211E+08	9,658533E+08	1,070088E+09	1,149297E+09	1,182251E+09	1,185113E+09	1,185119E+09	1,182265E+09	1,149315E+09
1874	1,070108E+09	9,658804E+08	8,895501E+08	8,895503E+08	9,658836E+08	1,070113E+09	1,149315E+09	1,182255E+09	1,185107E+09	1,185104E+09	1,182254E+09	1,149318E+09
1875	1,070124E+09	9,658975E+08	8,895632E+08	8,895724E+08	9,659092E+08	1,070122E+09	1,149313E+09	1,182255E+09	1,185108E+09	1,185109E+09	1,182254E+09	1,149304E+09
1876	1,070095E+09	9,658570E+08	8,895098E+08	8,895132E+08	9,658667E+08	1,070101E+09	1,149300E+09	1,182245E+09	1,185101E+09	1,185105E+09	1,182258E+09	1,149318E+09
1877	1,070118E+09	9,658940E+08	8,895623E+08	8,895631E+08	9,659093E+08	1,070146E+09	1,149337E+09	1,182261E+09	1,185098E+09	1,185094E+09	1,182251E+09	1,149320E+09
1878	1,070123E+09	9,658941E+08	8,895590E+08	8,895564E+08	9,658850E+08	1,070113E+09	1,149324E+09	1,182273E+09	1,185122E+09	1,185114E+09	1,182251E+09	1,149303E+09
1879	1,070103E+09	9,658754E+08	8,895391E+08	8,895395E+08	9,658728E+08	1,070101E+09	1,149313E+09	1,182266E+09	1,185121E+09	1,185114E+09	1,182253E+09	1,149310E+09
1880	1,070126E+09	9,659257E+08	8,896076E+08	8,896115E+08	9,659421E+08	1,070144E+09	1,149319E+09	1,182258E+09	1,185119E+09	1,185123E+09	1,182263E+09	1,149312E+09
1881	1,070116E+09	9,659048E+08	8,895804E+08	8,895756E+08	9,658982E+08	1,070112E+09	1,149301E+09	1,182246E+09	1,185114E+09	1,185128E+09	1,182275E+09	1,149325E+09
1882	1,070124E+09	9,659080E+08	8,895918E+08	8,895971E+08	9,659190E+08	1,070130E+09	1,149321E+09	1,182260E+09	1,185113E+09	1,185108E+09	1,182256E+09	1,149328E+09
1883	1,070156E+09	9,659546E+08	8,896373E+08	8,896421E+08	9,659593E+08	1,070149E+09	1,149326E+09	1,182268E+09	1,185121E+09	1,185114E+09	1,182250E+09	1,149308E+09
1884	1,070126E+09	9,659245E+08	8,896034E+08	8,895949E+08	9,659076E+08	1,070110E+09	1,149299E+09	1,182252E+09	1,185118E+09	1,185117E+09	1,182254E+09	1,149311E+09
1885	1,070133E+09	9,659467E+08	8,896461E+08	8,896456E+08	9,659539E+08	1,070151E+09	1,149328E+09	1,182262E+09	1,185114E+09	1,185111E+09	1,182255E+09	1,149317E+09
1886	1,070140E+09	9,659485E+08	8,896445E+08	8,896489E+08	9,659543E+08	1,070140E+09	1,149319E+09	1,182266E+09	1,185129E+09	1,185128E+09	1,182260E+09	1,149304E+09
1887	1,070111E+09	9,659079E+08	8,895933E+08	8,895948E+08	9,659176E+08	1,070126E+09	1,149312E+09	1,182255E+09	1,185117E+09	1,185120E+09	1,182261E+09	1,149317E+09
1888	1,070133E+09	9,659380E+08	8,896335E+08	8,896400E+08	9,659657E+08	1,070169E+09	1,149339E+09	1,182265E+09	1,185115E+09	1,185113E+09	1,182257E+09	1,149319E+09
1889	1,070134E+09	9,659221E+08	8,895962E+08	8,895894E+08	9,659050E+08	1,070117E+09	1,149314E+09	1,182264E+09	1,185123E+09	1,185121E+09	1,182260E+09	1,149315E+09
1890	1,070123E+09	9,659036E+08	8,895746E+08	8,895712E+08	9,658923E+08	1,070108E+09	1,149312E+09	1,182269E+09	1,185125E+09	1,185113E+09	1,182250E+09	1,149314E+09
1891	1,070139E+09	9,659381E+08	8,896157E+08	8,896141E+08	9,659363E+08	1,070133E+09	1,149314E+09	1,182262E+09	1,185122E+09	1,185119E+09	1,182256E+09	1,149304E+09
1892	1,070107E+09	9,658929E+08	8,895683E+08	8,895592E+08	9,658782E+08	1,070091E+09	1,149283E+09	1,182234E+09	1,185104E+09	1,185115E+09	1,182263E+09	1,149314E+09
1893	1,070111E+09	9,658926E+08	8,895777E+08	8,895854E+08	9,659150E+08	1,070133E+09	1,149318E+09	1,182244E+09	1,185090E+09	1,185096E+09	1,182255E+09	1,149325E+09
1894	1,070135E+09	9,659149E+08	8,895864E+08	8,895941E+08	9,659261E+08	1,070135E+09	1,149321E+09	1,182259E+09	1,185107E+09	1,185103E+09	1,182247E+09	1,149303E+09
1895	1,070108E+09	9,658841E+08	8,895437E+08	8,895356E+08	9,658750E+08	1,070107E+09	1,149307E+09	1,182253E+09	1,185108E+09	1,185102E+09	1,182243E+09	1,149303E+09
1896	1,070118E+09	9,659133E+08	8,895988E+08	8,895994E+08	9,659294E+08	1,070148E+09	1,149333E+09	1,182266E+09	1,185113E+09	1,185103E+09	1,182242E+09	1,149305E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1897	1,070125E+09	9,659173E+08	8,895956E+08	8,895919E+08	9,659043E+08	1,070111E+09	1,149307E+09	1,182262E+09	1,185126E+09	1,185124E+09	1,182258E+09	1,149303E+09
1898	1,070106E+09	9,658947E+08	8,895769E+08	8,895817E+08	9,659015E+08	1,070105E+09	1,149300E+09	1,182258E+09	1,185124E+09	1,185121E+09	1,182259E+09	1,149314E+09
1899	1,070133E+09	9,659403E+08	8,896349E+08	8,896428E+08	9,659671E+08	1,070159E+09	1,149324E+09	1,182258E+09	1,185117E+09	1,185121E+09	1,182264E+09	1,149318E+09
1900	1,070129E+09	9,659252E+08	8,896142E+08	8,896106E+08	9,659181E+08	1,070117E+09	1,149299E+09	1,182244E+09	1,185111E+09	1,185118E+09	1,182262E+09	1,149320E+09
1901	1,070135E+09	9,659358E+08	8,896303E+08	8,896333E+08	9,659429E+08	1,070140E+09	1,149321E+09	1,182258E+09	1,185110E+09	1,185107E+09	1,182253E+09	1,149324E+09
1902	1,070162E+09	9,659797E+08	8,896733E+08	8,896722E+08	9,659747E+08	1,070154E+09	1,149325E+09	1,182271E+09	1,185131E+09	1,185123E+09	1,182250E+09	1,149302E+09
1903	1,070129E+09	9,659472E+08	8,896425E+08	8,896300E+08	9,659270E+08	1,070117E+09	1,149298E+09	1,182252E+09	1,185124E+09	1,185123E+09	1,182253E+09	1,149304E+09
1904	1,070129E+09	9,659543E+08	8,896729E+08	8,896828E+08	9,659845E+08	1,070164E+09	1,149327E+09	1,182260E+09	1,185120E+09	1,185117E+09	1,182253E+09	1,149314E+09
1905	1,070147E+09	9,659640E+08	8,896649E+08	8,896706E+08	9,659704E+08	1,070148E+09	1,149318E+09	1,182259E+09	1,185125E+09	1,185128E+09	1,182263E+09	1,149311E+09
1906	1,070125E+09	9,659295E+08	8,896203E+08	8,896183E+08	9,659276E+08	1,070124E+09	1,149309E+09	1,182262E+09	1,185125E+09	1,185118E+09	1,182255E+09	1,149315E+09
1907	1,070142E+09	9,659578E+08	8,896575E+08	8,896574E+08	9,659703E+08	1,070167E+09	1,149337E+09	1,182271E+09	1,185125E+09	1,185117E+09	1,182253E+09	1,149314E+09
1908	1,070138E+09	9,659422E+08	8,896324E+08	8,896233E+08	9,659158E+08	1,070107E+09	1,149297E+09	1,182253E+09	1,185123E+09	1,185122E+09	1,182254E+09	1,149305E+09
1909	1,070122E+09	9,659215E+08	8,896102E+08	8,896121E+08	9,659201E+08	1,070112E+09	1,149296E+09	1,182247E+09	1,185113E+09	1,185114E+09	1,182257E+09	1,149314E+09
1910	1,070139E+09	9,659491E+08	8,896395E+08	8,896430E+08	9,659609E+08	1,070148E+09	1,149312E+09	1,182252E+09	1,185115E+09	1,185119E+09	1,182259E+09	1,149308E+09
1911	1,070115E+09	9,659095E+08	8,895948E+08	8,895857E+08	9,658994E+08	1,070112E+09	1,149295E+09	1,182235E+09	1,185097E+09	1,185103E+09	1,182251E+09	1,149309E+09
1912	1,070115E+09	9,659047E+08	8,895999E+08	8,896127E+08	9,659366E+08	1,070147E+09	1,149329E+09	1,182256E+09	1,185099E+09	1,185092E+09	1,182238E+09	1,149311E+09
1913	1,070144E+09	9,659392E+08	8,896141E+08	8,896156E+08	9,659354E+08	1,070137E+09	1,149321E+09	1,182264E+09	1,185118E+09	1,185111E+09	1,182244E+09	1,149296E+09
1914	1,070113E+09	9,659084E+08	8,895822E+08	8,895702E+08	9,658870E+08	1,070099E+09	1,149297E+09	1,182259E+09	1,185125E+09	1,185116E+09	1,182246E+09	1,149297E+09
1915	1,070116E+09	9,659274E+08	8,896281E+08	8,896321E+08	9,659482E+08	1,070149E+09	1,149326E+09	1,182265E+09	1,185124E+09	1,185119E+09	1,182253E+09	1,149309E+09
1916	1,070128E+09	9,659311E+08	8,896286E+08	8,896314E+08	9,659293E+08	1,070114E+09	1,149292E+09	1,182244E+09	1,185118E+09	1,185125E+09	1,182261E+09	1,149309E+09
1917	1,070119E+09	9,659163E+08	8,896094E+08	8,896185E+08	9,659304E+08	1,070120E+09	1,149297E+09	1,182242E+09	1,185107E+09	1,185114E+09	1,182263E+09	1,149323E+09
1918	1,070151E+09	9,659682E+08	8,896665E+08	8,896695E+08	9,659820E+08	1,070167E+09	1,149328E+09	1,182261E+09	1,185117E+09	1,185115E+09	1,182255E+09	1,149318E+09
1919	1,070145E+09	9,659606E+08	8,896582E+08	8,896439E+08	9,659329E+08	1,070123E+09	1,149301E+09	1,182248E+09	1,185114E+09	1,185111E+09	1,182243E+09	1,149302E+09
1920	1,070135E+09	9,659586E+08	8,896729E+08	8,896781E+08	9,659698E+08	1,070147E+09	1,149318E+09	1,182261E+09	1,185121E+09	1,185112E+09	1,182239E+09	1,149304E+09
1921	1,070160E+09	9,660008E+08	8,897097E+08	8,897108E+08	9,659997E+08	1,070160E+09	1,149316E+09	1,182261E+09	1,185133E+09	1,185132E+09	1,182255E+09	1,149299E+09
1922	1,070128E+09	9,659609E+08	8,896736E+08	8,896678E+08	9,659536E+08	1,070126E+09	1,149296E+09	1,182253E+09	1,185131E+09	1,185130E+09	1,182257E+09	1,149305E+09
1923	1,070131E+09	9,659618E+08	8,896891E+08	8,897049E+08	9,660031E+08	1,070178E+09	1,149337E+09	1,182268E+09	1,185126E+09	1,185123E+09	1,182257E+09	1,149319E+09
1924	1,070156E+09	9,659784E+08	8,896884E+08	8,896944E+08	9,659798E+08	1,070145E+09	1,149312E+09	1,182259E+09	1,185127E+09	1,185127E+09	1,182258E+09	1,149309E+09
1925	1,070136E+09	9,659531E+08	8,896500E+08	8,896450E+08	9,659417E+08	1,070125E+09	1,149301E+09	1,182253E+09	1,185122E+09	1,185123E+09	1,182260E+09	1,149316E+09
1926	1,070149E+09	9,659807E+08	8,896884E+08	8,896825E+08	9,659777E+08	1,070161E+09	1,149327E+09	1,182265E+09	1,185127E+09	1,185124E+09	1,182257E+09	1,149314E+09
1927	1,070143E+09	9,659628E+08	8,896658E+08	8,896558E+08	9,659347E+08	1,070111E+09	1,149287E+09	1,182240E+09	1,185115E+09	1,185119E+09	1,182250E+09	1,149299E+09
1928	1,070121E+09	9,659317E+08	8,896355E+08	8,896479E+08	9,659522E+08	1,070131E+09	1,149297E+09	1,182239E+09	1,185105E+09	1,185108E+09	1,182246E+09	1,149309E+09
1929	1,070148E+09	9,659671E+08	8,896606E+08	8,896648E+08	9,659782E+08	1,070161E+09	1,149317E+09	1,182247E+09	1,185106E+09	1,185110E+09	1,182251E+09	1,149307E+09
1930	1,070125E+09	9,659321E+08	8,896233E+08	8,896124E+08	9,659119E+08	1,070114E+09	1,149300E+09	1,182250E+09	1,185108E+09	1,185100E+09	1,182237E+09	1,149297E+09
1931	1,070117E+09	9,659224E+08	8,896244E+08	8,896354E+08	9,659464E+08	1,070148E+09	1,149332E+09	1,182269E+09	1,185117E+09	1,185102E+09	1,182234E+09	1,149300E+09
1932	1,070139E+09	9,659546E+08	8,896497E+08	8,896523E+08	9,659488E+08	1,070129E+09	1,149306E+09	1,182257E+09	1,185125E+09	1,185121E+09	1,182245E+09	1,149289E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1933	1,070111E+09	9,659253E+08	8,896175E+08	8,896125E+08	9,659164E+08	1,070106E+09	1,149284E+09	1,182240E+09	1,185118E+09	1,185126E+09	1,182262E+09	1,149304E+09
1934	1,070122E+09	9,659447E+08	8,896564E+08	8,896618E+08	9,659684E+08	1,070159E+09	1,149323E+09	1,182257E+09	1,185120E+09	1,185123E+09	1,182263E+09	1,149321E+09
1935	1,070145E+09	9,659573E+08	8,896616E+08	8,896622E+08	9,659512E+08	1,070129E+09	1,149298E+09	1,182241E+09	1,185111E+09	1,185116E+09	1,182252E+09	1,149307E+09
1936	1,070132E+09	9,659429E+08	8,896447E+08	8,896553E+08	9,659567E+08	1,070133E+09	1,149302E+09	1,182247E+09	1,185112E+09	1,185109E+09	1,182244E+09	1,149312E+09
1937	1,070164E+09	9,660009E+08	8,897052E+08	8,897017E+08	9,659975E+08	1,070170E+09	1,149326E+09	1,182261E+09	1,185124E+09	1,185120E+09	1,182250E+09	1,149309E+09
1938	1,070149E+09	9,659883E+08	8,897038E+08	8,896896E+08	9,659544E+08	1,070120E+09	1,149296E+09	1,182255E+09	1,185128E+09	1,185120E+09	1,182242E+09	1,149291E+09
1939	1,070128E+09	9,659699E+08	8,897015E+08	8,897147E+08	9,659964E+08	1,070156E+09	1,149317E+09	1,182263E+09	1,185132E+09	1,185126E+09	1,182248E+09	1,149303E+09
1940	1,070155E+09	9,660081E+08	8,897377E+08	8,897470E+08	9,660248E+08	1,070169E+09	1,149311E+09	1,182250E+09	1,185128E+09	1,185135E+09	1,182260E+09	1,149304E+09
1941	1,070137E+09	9,659778E+08	8,896982E+08	8,896960E+08	9,659758E+08	1,070138E+09	1,149297E+09	1,182242E+09	1,185118E+09	1,185128E+09	1,182265E+09	1,149314E+09
1942	1,070145E+09	9,659845E+08	8,897113E+08	8,897187E+08	9,660056E+08	1,070177E+09	1,149338E+09	1,182273E+09	1,185131E+09	1,185123E+09	1,182254E+09	1,149322E+09
1943	1,070171E+09	9,660089E+08	8,897222E+08	8,897181E+08	9,659884E+08	1,070143E+09	1,149304E+09	1,182255E+09	1,185128E+09	1,185123E+09	1,182245E+09	1,149297E+09
1944	1,070137E+09	9,659743E+08	8,896854E+08	8,896824E+08	9,659635E+08	1,070125E+09	1,149290E+09	1,182244E+09	1,185122E+09	1,185122E+09	1,182248E+09	1,149303E+09
1945	1,070151E+09	9,659995E+08	8,897187E+08	8,897150E+08	9,659991E+08	1,070165E+09	1,149316E+09	1,182249E+09	1,185118E+09	1,185123E+09	1,182258E+09	1,149313E+09
1946	1,070145E+09	9,659774E+08	8,896954E+08	8,896915E+08	9,659597E+08	1,070121E+09	1,149290E+09	1,182241E+09	1,185112E+09	1,185112E+09	1,182243E+09	1,149295E+09
1947	1,070120E+09	9,659397E+08	8,896513E+08	8,896694E+08	9,659713E+08	1,070147E+09	1,149313E+09	1,182251E+09	1,185112E+09	1,185108E+09	1,182240E+09	1,149302E+09
1948	1,070146E+09	9,659795E+08	8,896852E+08	8,896893E+08	9,659901E+08	1,070163E+09	1,149318E+09	1,182251E+09	1,185113E+09	1,185111E+09	1,182243E+09	1,149298E+09
1949	1,070129E+09	9,659528E+08	8,896527E+08	8,896397E+08	9,659277E+08	1,070116E+09	1,149297E+09	1,182246E+09	1,185114E+09	1,185115E+09	1,182247E+09	1,149295E+09
1950	1,070119E+09	9,659411E+08	8,896531E+08	8,896600E+08	9,659542E+08	1,070142E+09	1,149325E+09	1,182271E+09	1,185130E+09	1,185120E+09	1,182247E+09	1,149306E+09
1951	1,070146E+09	9,659747E+08	8,896816E+08	8,896857E+08	9,659711E+08	1,070132E+09	1,149293E+09	1,182245E+09	1,185122E+09	1,185125E+09	1,182251E+09	1,149294E+09
1952	1,070118E+09	9,659424E+08	8,896484E+08	8,896511E+08	9,659486E+08	1,070121E+09	1,149282E+09	1,182229E+09	1,185109E+09	1,185121E+09	1,182257E+09	1,149309E+09
1953	1,070141E+09	9,659739E+08	8,896890E+08	8,896910E+08	9,659862E+08	1,070167E+09	1,149323E+09	1,182249E+09	1,185109E+09	1,185114E+09	1,182258E+09	1,149324E+09
1954	1,070162E+09	9,659918E+08	8,897042E+08	8,897001E+08	9,659692E+08	1,070129E+09	1,149300E+09	1,182251E+09	1,185116E+09	1,185108E+09	1,182236E+09	1,149294E+09
1955	1,070136E+09	9,659695E+08	8,896838E+08	8,896922E+08	9,659782E+08	1,070140E+09	1,149305E+09	1,182256E+09	1,185125E+09	1,185116E+09	1,182236E+09	1,149295E+09
1956	1,070155E+09	9,660189E+08	8,897486E+08	8,897479E+08	9,660218E+08	1,070169E+09	1,149314E+09	1,182253E+09	1,185126E+09	1,185125E+09	1,182247E+09	1,149298E+09
1957	1,070144E+09	9,660027E+08	8,897379E+08	8,897335E+08	9,659911E+08	1,070135E+09	1,149291E+09	1,182242E+09	1,185124E+09	1,185131E+09	1,182255E+09	1,149296E+09
1958	1,070130E+09	9,659816E+08	8,897236E+08	8,897395E+08	9,660164E+08	1,070169E+09	1,149324E+09	1,182264E+09	1,185134E+09	1,185132E+09	1,182257E+09	1,149314E+09
1959	1,070167E+09	9,660261E+08	8,897600E+08	8,897681E+08	9,660409E+08	1,070179E+09	1,149315E+09	1,182252E+09	1,185127E+09	1,185129E+09	1,182254E+09	1,149305E+09
1960	1,070149E+09	9,660004E+08	8,897264E+08	8,897220E+08	9,659926E+08	1,070145E+09	1,149299E+09	1,182246E+09	1,185124E+09	1,185126E+09	1,182251E+09	1,149309E+09
1961	1,070160E+09	9,660151E+08	8,897452E+08	8,897416E+08	9,660100E+08	1,070168E+09	1,149328E+09	1,182267E+09	1,185133E+09	1,185128E+09	1,182254E+09	1,149318E+09
1962	1,070177E+09	9,660348E+08	8,897626E+08	8,897559E+08	9,660035E+08	1,070133E+09	1,149293E+09	1,182255E+09	1,185133E+09	1,185126E+09	1,182242E+09	1,149289E+09
1963	1,070133E+09	9,659855E+08	8,897117E+08	8,897155E+08	9,659904E+08	1,070134E+09	1,149286E+09	1,182239E+09	1,185123E+09	1,185126E+09	1,182249E+09	1,149299E+09
1964	1,070144E+09	9,660058E+08	8,897434E+08	8,897462E+08	9,660225E+08	1,070174E+09	1,149313E+09	1,182237E+09	1,185106E+09	1,185115E+09	1,182253E+09	1,149312E+09
1965	1,070150E+09	9,659918E+08	8,897177E+08	8,897175E+08	9,659833E+08	1,070135E+09	1,149297E+09	1,182237E+09	1,185104E+09	1,185108E+09	1,182242E+09	1,149294E+09
1966	1,070127E+09	9,659583E+08	8,896727E+08	8,896828E+08	9,659753E+08	1,070147E+09	1,149319E+09	1,182264E+09	1,185125E+09	1,185113E+09	1,182237E+09	1,149298E+09
1967	1,070151E+09	9,660006E+08	8,897148E+08	8,897135E+08	9,660020E+08	1,070162E+09	1,149312E+09	1,182252E+09	1,185121E+09	1,185117E+09	1,182238E+09	1,149287E+09
1968	1,070127E+09	9,659703E+08	8,896865E+08	8,896769E+08	9,659528E+08	1,070119E+09	1,149287E+09	1,182240E+09	1,185119E+09	1,185121E+09	1,182246E+09	1,149292E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \ominus	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1969	1,070125E+09	9,659603E+08	8,896837E+08	8,896911E+08	9,659745E+08	1,070143E+09	1,149312E+09	1,182256E+09	1,185125E+09	1,185126E+09	1,182258E+09	1,149316E+09
1970	1,070157E+09	9,659968E+08	8,897165E+08	8,897224E+08	9,659945E+08	1,070138E+09	1,149295E+09	1,182246E+09	1,185118E+09	1,185119E+09	1,182247E+09	1,149297E+09
1971	1,070128E+09	9,659627E+08	8,896765E+08	8,896808E+08	9,659714E+08	1,070134E+09	1,149291E+09	1,182236E+09	1,185112E+09	1,185117E+09	1,182249E+09	1,149304E+09
1972	1,070146E+09	9,659981E+08	8,897280E+08	8,897261E+08	9,660053E+08	1,070169E+09	1,149321E+09	1,182248E+09	1,185110E+09	1,185110E+09	1,182246E+09	1,149314E+09
1973	1,070168E+09	9,660201E+08	8,897470E+08	8,897413E+08	9,659958E+08	1,070136E+09	1,149296E+09	1,182244E+09	1,185118E+09	1,185117E+09	1,182238E+09	1,149286E+09
1974	1,070134E+09	9,659890E+08	8,897190E+08	8,897252E+08	9,659958E+08	1,070141E+09	1,149303E+09	1,182260E+09	1,185137E+09	1,185129E+09	1,182244E+09	1,149295E+09
1975	1,070155E+09	9,660329E+08	8,897784E+08	8,897836E+08	9,660529E+08	1,070182E+09	1,149308E+09	1,182245E+09	1,185125E+09	1,185128E+09	1,182250E+09	1,149299E+09
1976	1,070149E+09	9,660171E+08	8,897645E+08	8,897660E+08	9,660207E+08	1,070153E+09	1,149296E+09	1,182238E+09	1,185120E+09	1,185126E+09	1,182250E+09	1,149301E+09
1977	1,070149E+09	9,660067E+08	8,897501E+08	8,897590E+08	9,660247E+08	1,070168E+09	1,149323E+09	1,182264E+09	1,185133E+09	1,185128E+09	1,182255E+09	1,149320E+09
1978	1,070185E+09	9,660581E+08	8,897985E+08	8,897968E+08	9,660481E+08	1,070169E+09	1,149312E+09	1,182262E+09	1,185134E+09	1,185125E+09	1,182241E+09	1,149295E+09
1979	1,070153E+09	9,660241E+08	8,897628E+08	8,897540E+08	9,660076E+08	1,070142E+09	1,149292E+09	1,182247E+09	1,185132E+09	1,185131E+09	1,182246E+09	1,149294E+09
1980	1,070152E+09	9,660315E+08	8,897856E+08	8,897830E+08	9,660318E+08	1,070163E+09	1,149308E+09	1,182249E+09	1,185126E+09	1,185127E+09	1,182251E+09	1,149311E+09
1981	1,070174E+09	9,660477E+08	8,897930E+08	8,897942E+08	9,660388E+08	1,070149E+09	1,149286E+09	1,182235E+09	1,185120E+09	1,185129E+09	1,182248E+09	1,149289E+09
1982	1,070133E+09	9,659944E+08	8,897309E+08	8,897358E+08	9,660093E+08	1,070149E+09	1,149296E+09	1,182244E+09	1,185124E+09	1,185126E+09	1,182250E+09	1,149303E+09
1983	1,070151E+09	9,660177E+08	8,897607E+08	8,897652E+08	9,660419E+08	1,070187E+09	1,149320E+09	1,182245E+09	1,185109E+09	1,185109E+09	1,182241E+09	1,149305E+09
1984	1,070155E+09	9,660088E+08	8,897418E+08	8,897403E+08	9,660010E+08	1,070145E+09	1,149304E+09	1,182248E+09	1,185116E+09	1,185110E+09	1,182232E+09	1,149288E+09
1985	1,070137E+09	9,659809E+08	8,897024E+08	8,897025E+08	9,659790E+08	1,070138E+09	1,149311E+09	1,182265E+09	1,185134E+09	1,185125E+09	1,182245E+09	1,149301E+09
1986	1,070157E+09	9,660208E+08	8,897504E+08	8,897466E+08	9,660149E+08	1,070152E+09	1,149302E+09	1,182254E+09	1,185129E+09	1,185125E+09	1,182243E+09	1,149289E+09
1987	1,070128E+09	9,659830E+08	8,897139E+08	8,897099E+08	9,659797E+08	1,070129E+09	1,149282E+09	1,182232E+09	1,185118E+09	1,185127E+09	1,182252E+09	1,149297E+09
1988	1,070129E+09	9,659772E+08	8,897168E+08	8,897242E+08	9,659962E+08	1,070148E+09	1,149303E+09	1,182239E+09	1,185108E+09	1,185115E+09	1,182253E+09	1,149320E+09
1989	1,070173E+09	9,660233E+08	8,897501E+08	8,897545E+08	9,660194E+08	1,070149E+09	1,149296E+09	1,182237E+09	1,185109E+09	1,185112E+09	1,182240E+09	1,149293E+09
1990	1,070140E+09	9,659915E+08	8,897132E+08	8,897082E+08	9,659844E+08	1,070136E+09	1,149294E+09	1,182246E+09	1,185122E+09	1,185116E+09	1,182238E+09	1,149294E+09
1991	1,070149E+09	9,660220E+08	8,897665E+08	8,897638E+08	9,660293E+08	1,070172E+09	1,149313E+09	1,182247E+09	1,185115E+09	1,185111E+09	1,182234E+09	1,149297E+09
1992	1,070162E+09	9,660376E+08	8,897863E+08	8,897861E+08	9,660310E+08	1,070150E+09	1,149294E+09	1,182243E+09	1,185123E+09	1,185120E+09	1,182233E+09	1,149281E+09
1993	1,070136E+09	9,660054E+08	8,897513E+08	8,897573E+08	9,660187E+08	1,070149E+09	1,149300E+09	1,182253E+09	1,185137E+09	1,185138E+09	1,182254E+09	1,149304E+09
1994	1,070164E+09	9,660502E+08	8,898094E+08	8,898152E+08	9,660720E+08	1,070189E+09	1,149316E+09	1,182254E+09	1,185129E+09	1,185128E+09	1,182248E+09	1,149302E+09
1995	1,070158E+09	9,660357E+08	8,897906E+08	8,897918E+08	9,660394E+08	1,070161E+09	1,149302E+09	1,182248E+09	1,185131E+09	1,185130E+09	1,182248E+09	1,149298E+09
1996	1,070154E+09	9,660311E+08	8,897872E+08	8,897881E+08	9,660353E+08	1,070161E+09	1,149310E+09	1,182258E+09	1,185135E+09	1,185130E+09	1,182251E+09	1,149316E+09
1997	1,070194E+09	9,660851E+08	8,898381E+08	8,898327E+08	9,660679E+08	1,070169E+09	1,149300E+09	1,182249E+09	1,185134E+09	1,185136E+09	1,182246E+09	1,149292E+09
1998	1,070154E+09	9,660420E+08	8,897964E+08	8,897861E+08	9,660252E+08	1,070141E+09	1,149284E+09	1,182243E+09	1,185136E+09	1,185138E+09	1,182252E+09	1,149297E+09
1999	1,070153E+09	9,660418E+08	8,898097E+08	8,898157E+08	9,660637E+08	1,070178E+09	1,149301E+09	1,182235E+09	1,185116E+09	1,185121E+09	1,182247E+09	1,149310E+09
2000	1,070179E+09	9,660599E+08	8,898152E+08	8,898223E+08	9,660682E+08	1,070172E+09	1,149297E+09	1,182234E+09	1,185112E+09	1,185115E+09	1,182236E+09	1,149290E+09
2001	1,070147E+09	9,660139E+08	8,897527E+08	8,897503E+08	9,660156E+08	1,070153E+09	1,149302E+09	1,182251E+09	1,185127E+09	1,185123E+09	1,182245E+09	1,149303E+09
2002	1,070162E+09	9,660401E+08	8,897914E+08	8,897886E+08	9,660469E+08	1,070181E+09	1,149323E+09	1,182260E+09	1,185123E+09	1,185111E+09	1,182230E+09	1,149293E+09
2003	1,070154E+09	9,660248E+08	8,897713E+08	8,897676E+08	9,660137E+08	1,070142E+09	1,149297E+09	1,182251E+09	1,185130E+09	1,185123E+09	1,182233E+09	1,149278E+09
2004	1,070128E+09	9,659937E+08	8,897371E+08	8,897376E+08	9,659965E+08	1,070132E+09	1,149290E+09	1,182248E+09	1,185130E+09	1,185130E+09	1,182250E+09	1,149303E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2005	1,070161E+09	9,660365E+08	8,897808E+08	8,897815E+08	9,660431E+08	1,070163E+09	1,149292E+09	1,182233E+09	1,185117E+09	1,185128E+09	1,182250E+09	1,149295E+09
2006	1,070137E+09	9,659987E+08	8,897391E+08	8,897333E+08	9,659954E+08	1,070138E+09	1,149286E+09	1,182233E+09	1,185116E+09	1,185123E+09	1,182250E+09	1,149301E+09
2007	1,070142E+09	9,659987E+08	8,897444E+08	8,897529E+08	9,660202E+08	1,070158E+09	1,149302E+09	1,182238E+09	1,185106E+09	1,185104E+09	1,182236E+09	1,149310E+09
2008	1,070182E+09	9,660506E+08	8,897877E+08	8,897885E+08	9,660445E+08	1,070162E+09	1,149299E+09	1,182242E+09	1,185114E+09	1,185107E+09	1,182225E+09	1,149283E+09
2009	1,070147E+09	9,660176E+08	8,897540E+08	8,897418E+08	9,659982E+08	1,070133E+09	1,149289E+09	1,182248E+09	1,185133E+09	1,185128E+09	1,182241E+09	1,149290E+09
2010	1,070150E+09	9,660403E+08	8,898063E+08	8,898068E+08	9,660527E+08	1,070172E+09	1,149309E+09	1,182252E+09	1,185125E+09	1,185119E+09	1,182235E+09	1,149293E+09
2011	1,070159E+09	9,660473E+08	8,898147E+08	8,898227E+08	9,660622E+08	1,070167E+09	1,149296E+09	1,182241E+09	1,185129E+09	1,185131E+09	1,182241E+09	1,149282E+09
2012	1,070138E+09	9,660213E+08	8,897834E+08	8,897880E+08	9,660372E+08	1,070155E+09	1,149296E+09	1,182244E+09	1,185129E+09	1,185134E+09	1,182255E+09	1,149311E+09
2013	1,070182E+09	9,660774E+08	8,898422E+08	8,898441E+08	9,660893E+08	1,070194E+09	1,149313E+09	1,182248E+09	1,185128E+09	1,185130E+09	1,182246E+09	1,149302E+09
2014	1,070172E+09	9,660645E+08	8,898269E+08	8,898182E+08	9,660478E+08	1,070157E+09	1,149297E+09	1,182252E+09	1,185141E+09	1,185137E+09	1,182244E+09	1,149294E+09
2015	1,070162E+09	9,660555E+08	8,898243E+08	8,898269E+08	9,660601E+08	1,070161E+09	1,149293E+09	1,182245E+09	1,185133E+09	1,185130E+09	1,182243E+09	1,149305E+09
2016	1,070193E+09	9,661032E+08	8,898739E+08	8,898747E+08	9,661026E+08	1,070184E+09	1,149295E+09	1,182239E+09	1,185128E+09	1,185129E+09	1,182241E+09	1,149291E+09
2017	1,070159E+09	9,660566E+08	8,898247E+08	8,898162E+08	9,660473E+08	1,070154E+09	1,149285E+09	1,182237E+09	1,185131E+09	1,185138E+09	1,182254E+09	1,149302E+09
2018	1,070161E+09	9,660552E+08	8,898339E+08	8,898416E+08	9,660791E+08	1,070188E+09	1,149316E+09	1,182249E+09	1,185118E+09	1,185113E+09	1,182235E+09	1,149303E+09
2019	1,070182E+09	9,660728E+08	8,898354E+08	8,898429E+08	9,660841E+08	1,070185E+09	1,149309E+09	1,182250E+09	1,185128E+09	1,185121E+09	1,182229E+09	1,149279E+09
2020	1,070145E+09	9,660325E+08	8,897834E+08	8,897723E+08	9,660196E+08	1,070145E+09	1,149292E+09	1,182249E+09	1,185134E+09	1,185130E+09	1,182243E+09	1,149297E+09
2021	1,070166E+09	9,660586E+08	8,898210E+08	8,898159E+08	9,660587E+08	1,070176E+09	1,149308E+09	1,182250E+09	1,185130E+09	1,185128E+09	1,182239E+09	1,149292E+09
2022	1,070155E+09	9,660377E+08	8,897974E+08	8,897942E+08	9,660277E+08	1,070140E+09	1,149285E+09	1,182245E+09	1,185136E+09	1,185135E+09	1,182244E+09	1,149286E+09
2023	1,070136E+09	9,660052E+08	8,897583E+08	8,897683E+08	9,660242E+08	1,070140E+09	1,149276E+09	1,182227E+09	1,185116E+09	1,185123E+09	1,182248E+09	1,149307E+09
2024	1,070174E+09	9,660567E+08	8,898084E+08	8,898109E+08	9,660681E+08	1,070180E+09	1,149298E+09	1,182229E+09	1,185105E+09	1,185110E+09	1,182237E+09	1,149298E+09
2025	1,070156E+09	9,660274E+08	8,897735E+08	8,897593E+08	9,660055E+08	1,070140E+09	1,149287E+09	1,182236E+09	1,185117E+09	1,185117E+09	1,182239E+09	1,149296E+09
2026	1,070153E+09	9,660277E+08	8,897867E+08	8,897889E+08	9,660336E+08	1,070158E+09	1,149306E+09	1,182249E+09	1,185116E+09	1,185103E+09	1,182218E+09	1,149289E+09
2027	1,070176E+09	9,660691E+08	8,898265E+08	8,898301E+08	9,660718E+08	1,070172E+09	1,149298E+09	1,182245E+09	1,185128E+09	1,185120E+09	1,182223E+09	1,149266E+09
2028	1,070134E+09	9,660309E+08	8,897923E+08	8,897839E+08	9,660246E+08	1,070138E+09	1,149276E+09	1,182236E+09	1,185132E+09	1,185136E+09	1,182248E+09	1,149292E+09
2029	1,070153E+09	9,660533E+08	8,898343E+08	8,898424E+08	9,660829E+08	1,070189E+09	1,149308E+09	1,182242E+09	1,185125E+09	1,185130E+09	1,182245E+09	1,149300E+09
2030	1,070169E+09	9,660633E+08	8,898388E+08	8,898467E+08	9,660770E+08	1,070175E+09	1,149303E+09	1,182251E+09	1,185137E+09	1,185136E+09	1,182245E+09	1,149292E+09
2031	1,070155E+09	9,660443E+08	8,898105E+08	8,898170E+08	9,660577E+08	1,070159E+09	1,149289E+09	1,182242E+09	1,185131E+09	1,185131E+09	1,182247E+09	1,149309E+09
2032	1,070196E+09	9,661091E+08	8,898820E+08	8,898774E+08	9,661075E+08	1,070200E+09	1,149311E+09	1,182247E+09	1,185130E+09	1,185127E+09	1,182238E+09	1,149300E+09
2033	1,070184E+09	9,660935E+08	8,898687E+08	8,898534E+08	9,660603E+08	1,070151E+09	1,149286E+09	1,182247E+09	1,185145E+09	1,185144E+09	1,182248E+09	1,149294E+09
2034	1,070168E+09	9,660773E+08	8,898631E+08	8,898686E+08	9,660847E+08	1,070166E+09	1,149289E+09	1,182241E+09	1,185131E+09	1,185129E+09	1,182238E+09	1,149299E+09
2035	1,070192E+09	9,661148E+08	8,898997E+08	8,899075E+08	9,661324E+08	1,070205E+09	1,149300E+09	1,182235E+09	1,185126E+09	1,185129E+09	1,182237E+09	1,149284E+09
2036	1,070158E+09	9,660708E+08	8,898507E+08	8,898414E+08	9,660617E+08	1,070161E+09	1,149287E+09	1,182234E+09	1,185125E+09	1,185129E+09	1,182246E+09	1,149300E+09
2037	1,070171E+09	9,660748E+08	8,898579E+08	8,898641E+08	9,660916E+08	1,070192E+09	1,149315E+09	1,182251E+09	1,185126E+09	1,185119E+09	1,182228E+09	1,149293E+09
2038	1,070183E+09	9,660895E+08	8,898608E+08	8,898621E+08	9,660860E+08	1,070177E+09	1,149304E+09	1,182257E+09	1,185144E+09	1,185134E+09	1,182230E+09	1,149272E+09
2039	1,070145E+09	9,660457E+08	8,898092E+08	8,898042E+08	9,660387E+08	1,070141E+09	1,149273E+09	1,182235E+09	1,185134E+09	1,185135E+09	1,182243E+09	1,149291E+09
2040	1,070166E+09	9,660740E+08	8,898495E+08	8,898489E+08	9,660839E+08	1,070186E+09	1,149300E+09	1,182235E+09	1,185121E+09	1,185124E+09	1,182242E+09	1,149299E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2041	1,070165E+09	9,660542E+08	8,898232E+08	8,898205E+08	9,660440E+08	1,070147E+09	1,149282E+09	1,182235E+09	1,185128E+09	1,185133E+09	1,182248E+09	1,149295E+09
2042	1,070151E+09	9,660268E+08	8,897874E+08	8,897981E+08	9,660413E+08	1,070149E+09	1,149285E+09	1,182232E+09	1,185112E+09	1,185111E+09	1,182233E+09	1,149299E+09
2043	1,070181E+09	9,660779E+08	8,898377E+08	8,898405E+08	9,660891E+08	1,070194E+09	1,149306E+09	1,182238E+09	1,185115E+09	1,185111E+09	1,182225E+09	1,149281E+09
2044	1,070154E+09	9,660517E+08	8,898135E+08	8,897939E+08	9,660196E+08	1,070139E+09	1,149282E+09	1,182234E+09	1,185121E+09	1,185121E+09	1,182234E+09	1,149286E+09
2045	1,070153E+09	9,660473E+08	8,898228E+08	8,898281E+08	9,660568E+08	1,070162E+09	1,149297E+09	1,182244E+09	1,185127E+09	1,185120E+09	1,182224E+09	1,149282E+09
2046	1,070171E+09	9,660798E+08	8,898547E+08	8,898640E+08	9,660947E+08	1,070180E+09	1,149295E+09	1,182245E+09	1,185139E+09	1,185136E+09	1,182235E+09	1,149274E+09
2047	1,070141E+09	9,660424E+08	8,898146E+08	8,898179E+08	9,660550E+08	1,070151E+09	1,149271E+09	1,182224E+09	1,185125E+09	1,185135E+09	1,182249E+09	1,149299E+09
2048	1,070170E+09	9,660781E+08	8,898626E+08	8,898695E+08	9,661028E+08	1,070203E+09	1,149316E+09	1,182244E+09	1,185120E+09	1,185118E+09	1,182240E+09	1,149309E+09
2049	1,070193E+09	9,660975E+08	8,898760E+08	8,898735E+08	9,660840E+08	1,070170E+09	1,149299E+09	1,182253E+09	1,185144E+09	1,185138E+09	1,182241E+09	1,149292E+09
2050	1,070172E+09	9,660803E+08	8,898571E+08	8,898554E+08	9,660695E+08	1,070154E+09	1,149284E+09	1,182242E+09	1,185136E+09	1,185131E+09	1,182234E+09	1,149293E+09
2051	1,070195E+09	9,661324E+08	8,899246E+08	8,899226E+08	9,661357E+08	1,070207E+09	1,149305E+09	1,182243E+09	1,185135E+09	1,185134E+09	1,182236E+09	1,149284E+09
2052	1,070175E+09	9,661111E+08	8,899087E+08	8,898973E+08	9,660887E+08	1,070159E+09	1,149274E+09	1,182229E+09	1,185134E+09	1,185141E+09	1,182247E+09	1,149292E+09
2053	1,070170E+09	9,660900E+08	8,898890E+08	8,899017E+08	9,661128E+08	1,070183E+09	1,149291E+09	1,182235E+09	1,185130E+09	1,185131E+09	1,182235E+09	1,149294E+09
2054	1,070193E+09	9,661254E+08	8,899182E+08	8,899276E+08	9,661468E+08	1,070216E+09	1,149313E+09	1,182249E+09	1,185137E+09	1,185133E+09	1,182235E+09	1,149283E+09
2055	1,070165E+09	9,660844E+08	8,898683E+08	8,898637E+08	9,660779E+08	1,070163E+09	1,149283E+09	1,182235E+09	1,185131E+09	1,185131E+09	1,182239E+09	1,149293E+09
2056	1,070176E+09	9,660954E+08	8,898843E+08	8,898865E+08	9,661017E+08	1,070193E+09	1,149315E+09	1,182254E+09	1,185132E+09	1,185121E+09	1,182229E+09	1,149295E+09
2057	1,070189E+09	9,661081E+08	8,898902E+08	8,898885E+08	9,660927E+08	1,070166E+09	1,149290E+09	1,182251E+09	1,185150E+09	1,185147E+09	1,182243E+09	1,149280E+09
2058	1,070152E+09	9,660627E+08	8,898384E+08	8,898363E+08	9,660569E+08	1,070143E+09	1,149266E+09	1,182223E+09	1,185127E+09	1,185135E+09	1,182244E+09	1,149292E+09
2059	1,070171E+09	9,660882E+08	8,898736E+08	8,898779E+08	9,661084E+08	1,070203E+09	1,149303E+09	1,182227E+09	1,185112E+09	1,185120E+09	1,182238E+09	1,149295E+09
2060	1,070172E+09	9,660773E+08	8,898534E+08	8,898473E+08	9,660582E+08	1,070151E+09	1,149281E+09	1,182228E+09	1,185116E+09	1,185118E+09	1,182236E+09	1,149292E+09
2061	1,070164E+09	9,660543E+08	8,898202E+08	8,898279E+08	9,660584E+08	1,070155E+09	1,149283E+09	1,182234E+09	1,185120E+09	1,185113E+09	1,182219E+09	1,149282E+09
2062	1,070179E+09	9,660982E+08	8,898712E+08	8,898712E+08	9,661026E+08	1,070194E+09	1,149306E+09	1,182246E+09	1,185130E+09	1,185122E+09	1,182223E+09	1,149270E+09
2063	1,070149E+09	9,660638E+08	8,898427E+08	8,898357E+08	9,660503E+08	1,070143E+09	1,149271E+09	1,182225E+09	1,185124E+09	1,185128E+09	1,182235E+09	1,149280E+09
2064	1,070152E+09	9,660622E+08	8,898518E+08	8,898638E+08	9,660868E+08	1,070179E+09	1,149300E+09	1,182240E+09	1,185123E+09	1,185120E+09	1,182232E+09	1,149293E+09
2065	1,070180E+09	9,660962E+08	8,898812E+08	8,898909E+08	9,661102E+08	1,070186E+09	1,149298E+09	1,182246E+09	1,185141E+09	1,185142E+09	1,182245E+09	1,149287E+09
2066	1,070160E+09	9,660698E+08	8,898478E+08	8,898481E+08	9,660701E+08	1,070158E+09	1,149279E+09	1,182230E+09	1,185128E+09	1,185132E+09	1,182241E+09	1,149295E+09
2067	1,070183E+09	9,661090E+08	8,899005E+08	8,899019E+08	9,661201E+08	1,070208E+09	1,149315E+09	1,182247E+09	1,185130E+09	1,185124E+09	1,182232E+09	1,149296E+09
2068	1,070196E+09	9,661303E+08	8,899226E+08	8,899120E+08	9,660982E+08	1,070163E+09	1,149284E+09	1,182243E+09	1,185142E+09	1,185140E+09	1,182239E+09	1,149287E+09
2069	1,070177E+09	9,661065E+08	8,899000E+08	8,899016E+08	9,660984E+08	1,070156E+09	1,149268E+09	1,182230E+09	1,185139E+09	1,185140E+09	1,182234E+09	1,149285E+09
2070	1,070190E+09	9,661438E+08	8,899540E+08	8,899591E+08	9,661629E+08	1,070218E+09	1,149302E+09	1,182237E+09	1,185136E+09	1,185140E+09	1,182240E+09	1,149287E+09
2071	1,070177E+09	9,661189E+08	8,899284E+08	8,899311E+08	9,661211E+08	1,070176E+09	1,149276E+09	1,182220E+09	1,185122E+09	1,185132E+09	1,182240E+09	1,149291E+09
2072	1,070178E+09	9,661097E+08	8,899121E+08	8,899239E+08	9,661308E+08	1,070198E+09	1,149305E+09	1,182243E+09	1,185126E+09	1,185119E+09	1,182227E+09	1,149295E+09
2073	1,070203E+09	9,661475E+08	8,899454E+08	8,899466E+08	9,661500E+08	1,070210E+09	1,149311E+09	1,182256E+09	1,185149E+09	1,185140E+09	1,182233E+09	1,149280E+09
2074	1,070173E+09	9,661088E+08	8,899024E+08	8,898919E+08	9,660867E+08	1,070158E+09	1,149279E+09	1,182235E+09	1,185138E+09	1,185137E+09	1,182234E+09	1,149281E+09
2075	1,070173E+09	9,661106E+08	8,899144E+08	8,899189E+08	9,661221E+08	1,070195E+09	1,149306E+09	1,182247E+09	1,185136E+09	1,185131E+09	1,182233E+09	1,149288E+09
2076	1,070185E+09	9,661234E+08	8,899193E+08	8,899192E+08	9,661124E+08	1,070168E+09	1,149278E+09	1,182233E+09	1,185137E+09	1,185143E+09	1,182246E+09	1,149287E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2077	1,070162E+09	9,660797E+08	8,898634E+08	8,898648E+08	9,660797E+08	1,070154E+09	1,149265E+09	1,182216E+09	1,185122E+09	1,185131E+09	1,182238E+09	1,149290E+09
2078	1,070176E+09	9,661038E+08	8,898958E+08	8,898996E+08	9,661226E+08	1,070210E+09	1,149312E+09	1,182237E+09	1,185119E+09	1,185119E+09	1,182232E+09	1,149292E+09
2079	1,070179E+09	9,660954E+08	8,898789E+08	8,898774E+08	9,660800E+08	1,070156E+09	1,149279E+09	1,182227E+09	1,185117E+09	1,185116E+09	1,182224E+09	1,149280E+09
2080	1,070166E+09	9,660780E+08	8,898538E+08	8,898579E+08	9,660761E+08	1,070161E+09	1,149287E+09	1,182239E+09	1,185125E+09	1,185115E+09	1,182219E+09	1,149280E+09
2081	1,070178E+09	9,661143E+08	8,899041E+08	8,899049E+08	9,661196E+08	1,070191E+09	1,149298E+09	1,182246E+09	1,185142E+09	1,185138E+09	1,182235E+09	1,149276E+09
2082	1,070155E+09	9,660809E+08	8,898731E+08	8,898696E+08	9,660741E+08	1,070152E+09	1,149269E+09	1,182219E+09	1,185123E+09	1,185132E+09	1,182238E+09	1,149282E+09
2083	1,070158E+09	9,660793E+08	8,898786E+08	8,898927E+08	9,661098E+08	1,070194E+09	1,149307E+09	1,182240E+09	1,185123E+09	1,185122E+09	1,182233E+09	1,149293E+09
2084	1,070191E+09	9,661256E+08	8,899169E+08	8,899193E+08	9,661220E+08	1,070184E+09	1,149293E+09	1,182241E+09	1,185135E+09	1,185134E+09	1,182239E+09	1,149288E+09
2085	1,070176E+09	9,661041E+08	8,898903E+08	8,898837E+08	9,660864E+08	1,070154E+09	1,149267E+09	1,182226E+09	1,185136E+09	1,185135E+09	1,182230E+09	1,149282E+09
2086	1,070184E+09	9,661348E+08	8,899427E+08	8,899412E+08	9,661393E+08	1,070206E+09	1,149307E+09	1,182245E+09	1,185138E+09	1,185134E+09	1,182232E+09	1,149288E+09
2087	1,070194E+09	9,661458E+08	8,899583E+08	8,899608E+08	9,661363E+08	1,070170E+09	1,149270E+09	1,182225E+09	1,185133E+09	1,185138E+09	1,182235E+09	1,149280E+09
2088	1,070176E+09	9,661233E+08	8,899322E+08	8,899396E+08	9,661331E+08	1,070179E+09	1,149276E+09	1,182225E+09	1,185128E+09	1,185131E+09	1,182235E+09	1,149291E+09
2089	1,070194E+09	9,661567E+08	8,899790E+08	8,899865E+08	9,661817E+08	1,070228E+09	1,149312E+09	1,182244E+09	1,185139E+09	1,185140E+09	1,182241E+09	1,149292E+09
2090	1,070190E+09	9,661397E+08	8,899542E+08	8,899540E+08	9,661358E+08	1,070186E+09	1,149289E+09	1,182232E+09	1,185130E+09	1,185130E+09	1,182230E+09	1,149282E+09
2091	1,070183E+09	9,661305E+08	8,899401E+08	8,899455E+08	9,661425E+08	1,070203E+09	1,149310E+09	1,182253E+09	1,185142E+09	1,185130E+09	1,182225E+09	1,149283E+09
2092	1,070202E+09	9,661700E+08	8,899792E+08	8,899722E+08	9,661557E+08	1,070199E+09	1,149297E+09	1,182249E+09	1,185152E+09	1,185148E+09	1,182240E+09	1,149282E+09
2093	1,070178E+09	9,661277E+08	8,899348E+08	8,899255E+08	9,661064E+08	1,070154E+09	1,149259E+09	1,182223E+09	1,185143E+09	1,185147E+09	1,182240E+09	1,149282E+09
2094	1,070174E+09	9,661211E+08	8,899375E+08	8,899455E+08	9,661419E+08	1,070200E+09	1,149298E+09	1,182236E+09	1,185132E+09	1,185135E+09	1,182240E+09	1,149296E+09
2095	1,070194E+09	9,661337E+08	8,899378E+08	8,899470E+08	9,661377E+08	1,070178E+09	1,149275E+09	1,182220E+09	1,185120E+09	1,185127E+09	1,182236E+09	1,149287E+09
2096	1,070176E+09	9,661053E+08	8,898921E+08	8,898882E+08	9,660967E+08	1,070166E+09	1,149274E+09	1,182221E+09	1,185114E+09	1,185114E+09	1,182226E+09	1,149287E+09
2097	1,070183E+09	9,661270E+08	8,899286E+08	8,899247E+08	9,661299E+08	1,070204E+09	1,149310E+09	1,182245E+09	1,185130E+09	1,185123E+09	1,182225E+09	1,149283E+09
2098	1,070182E+09	9,661184E+08	8,899169E+08	8,899121E+08	9,660994E+08	1,070160E+09	1,149278E+09	1,182228E+09	1,185124E+09	1,185121E+09	1,182217E+09	1,149264E+09
2099	1,070157E+09	9,660915E+08	8,898871E+08	8,898947E+08	9,661043E+08	1,070171E+09	1,149284E+09	1,182236E+09	1,185132E+09	1,185127E+09	1,182223E+09	1,149271E+09
2100	1,070171E+09	9,661264E+08	8,899318E+08	8,899348E+08	9,661413E+08	1,070198E+09	1,149292E+09	1,182235E+09	1,185135E+09	1,185139E+09	1,182242E+09	1,149286E+09
2101	1,070167E+09	9,660998E+08	8,899014E+08	8,899001E+08	9,660975E+08	1,070161E+09	1,149268E+09	1,182219E+09	1,185128E+09	1,185133E+09	1,182236E+09	1,149284E+09
2102	1,070168E+09	9,661004E+08	8,899071E+08	8,899180E+08	9,661235E+08	1,070194E+09	1,149307E+09	1,182246E+09	1,185133E+09	1,185127E+09	1,182232E+09	1,149295E+09
2103	1,070203E+09	9,661491E+08	8,899515E+08	8,899549E+08	9,661434E+08	1,070184E+09	1,149284E+09	1,182234E+09	1,185133E+09	1,185133E+09	1,182231E+09	1,149282E+09
2104	1,070184E+09	9,661351E+08	8,899358E+08	8,899243E+08	9,661098E+08	1,070160E+09	1,149265E+09	1,182223E+09	1,185130E+09	1,185132E+09	1,182231E+09	1,149282E+09
2105	1,070186E+09	9,661545E+08	8,899817E+08	8,899825E+08	9,661644E+08	1,070207E+09	1,149297E+09	1,182239E+09	1,185141E+09	1,185141E+09	1,182238E+09	1,149292E+09
2106	1,070201E+09	9,661651E+08	8,899913E+08	8,899973E+08	9,661687E+08	1,070192E+09	1,149276E+09	1,182219E+09	1,185127E+09	1,185133E+09	1,182229E+09	1,149276E+09
2107	1,070181E+09	9,661405E+08	8,899599E+08	8,899675E+08	9,661579E+08	1,070199E+09	1,149290E+09	1,182233E+09	1,185131E+09	1,185129E+09	1,182227E+09	1,149283E+09
2108	1,070200E+09	9,661796E+08	8,900084E+08	8,900089E+08	9,661911E+08	1,070228E+09	1,149312E+09	1,182250E+09	1,185143E+09	1,185137E+09	1,182234E+09	1,149290E+09
2109	1,070201E+09	9,661664E+08	8,899897E+08	8,899828E+08	9,661473E+08	1,070179E+09	1,149278E+09	1,182237E+09	1,185148E+09	1,185141E+09	1,182224E+09	1,149270E+09
2110	1,070180E+09	9,661464E+08	8,899717E+08	8,899749E+08	9,661542E+08	1,070195E+09	1,149298E+09	1,182252E+09	1,185154E+09	1,185147E+09	1,182233E+09	1,149282E+09
2111	1,070201E+09	9,661782E+08	8,900054E+08	8,900082E+08	9,661824E+08	1,070200E+09	1,149279E+09	1,182229E+09	1,185141E+09	1,185148E+09	1,182243E+09	1,149285E+09
2112	1,070183E+09	9,661435E+08	8,899618E+08	8,899538E+08	9,661308E+08	1,070170E+09	1,149262E+09	1,182213E+09	1,185126E+09	1,185136E+09	1,182242E+09	1,149292E+09

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2113	1,070183E+09	9,661366E+08	8,899615E+08	8,899692E+08	9,661569E+08	1,070205E+09	1,149301E+09	1,182239E+09	1,185131E+09	1,185130E+09	1,182237E+09	1,149301E+09
2114	1,070210E+09	9,661581E+08	8,899658E+08	8,899695E+08	9,661546E+08	1,070189E+09	1,149281E+09	1,182224E+09	1,185121E+09	1,185119E+09	1,182219E+09	1,149273E+09
2115	1,070177E+09	9,661264E+08	8,899244E+08	8,899146E+08	9,661130E+08	1,070173E+09	1,149280E+09	1,182231E+09	1,185127E+09	1,185121E+09	1,182217E+09	1,149269E+09
2116	1,070177E+09	9,661441E+08	8,899620E+08	8,899557E+08	9,661438E+08	1,070199E+09	1,149299E+09	1,182241E+09	1,185134E+09	1,185129E+09	1,182228E+09	1,149280E+09
2117	1,070180E+09	9,661314E+08	8,899475E+08	8,899471E+08	9,661238E+08	1,070162E+09	1,149264E+09	1,182223E+09	1,185135E+09	1,185133E+09	1,182222E+09	1,149263E+09
2118	1,070155E+09	9,660982E+08	8,899084E+08	8,899201E+08	9,661246E+08	1,070181E+09	1,149284E+09	1,182232E+09	1,185134E+09	1,185135E+09	1,182234E+09	1,149282E+09
2119	1,070183E+09	9,661384E+08	8,899528E+08	8,899610E+08	9,661617E+08	1,070205E+09	1,149289E+09	1,182226E+09	1,185123E+09	1,185128E+09	1,182236E+09	1,149290E+09
2120	1,070186E+09	9,661312E+08	8,899371E+08	8,899273E+08	9,661127E+08	1,070167E+09	1,149270E+09	1,182221E+09	1,185122E+09	1,185123E+09	1,182229E+09	1,149285E+09
2121	1,070181E+09	9,661314E+08	8,899502E+08	8,899528E+08	9,661357E+08	1,070185E+09	1,149294E+09	1,182246E+09	1,185141E+09	1,185132E+09	1,182228E+09	1,149290E+09
2122	1,070212E+09	9,661789E+08	8,899970E+08	8,899973E+08	9,661702E+08	1,070191E+09	1,149277E+09	1,182226E+09	1,185132E+09	1,185132E+09	1,182222E+09	1,149268E+09
2123	1,070180E+09	9,661542E+08	8,899773E+08	8,899695E+08	9,661456E+08	1,070178E+09	1,149266E+09	1,182220E+09	1,185132E+09	1,185135E+09	1,182227E+09	1,149272E+09
2124	1,070183E+09	9,661698E+08	8,900136E+08	8,900175E+08	9,661906E+08	1,070220E+09	1,149299E+09	1,182235E+09	1,185135E+09	1,185137E+09	1,182236E+09	1,149294E+09
2125	1,070210E+09	9,661843E+08	8,900215E+08	8,900289E+08	9,661924E+08	1,070203E+09	1,149281E+09	1,182230E+09	1,185141E+09	1,185136E+09	1,182222E+09	1,149270E+09
2126	1,070184E+09	9,661577E+08	8,899863E+08	8,899899E+08	9,661700E+08	1,070203E+09	1,149294E+09	1,182246E+09	1,185150E+09	1,185142E+09	1,182229E+09	1,149281E+09
2127	1,070205E+09	9,661942E+08	8,900357E+08	8,900370E+08	9,662048E+08	1,070225E+09	1,149302E+09	1,182245E+09	1,185148E+09	1,185143E+09	1,182234E+09	1,149288E+09
2128	1,070208E+09	9,661898E+08	8,900262E+08	8,900160E+08	9,661639E+08	1,070178E+09	1,149270E+09	1,182231E+09	1,185146E+09	1,185146E+09	1,182235E+09	1,149279E+09
2129	1,070185E+09	9,661613E+08	8,900016E+08	8,900071E+08	9,661713E+08	1,070189E+09	1,149278E+09	1,182239E+09	1,185154E+09	1,185154E+09	1,182244E+09	1,149295E+09
2130	1,070214E+09	9,661964E+08	8,900313E+08	8,900347E+08	9,662063E+08	1,070217E+09	1,149280E+09	1,182215E+09	1,185126E+09	1,185137E+09	1,182236E+09	1,149284E+09
2131	1,070193E+09	9,661636E+08	8,899904E+08	8,899801E+08	9,661509E+08	1,070185E+09	1,149272E+09	1,182215E+09	1,185119E+09	1,185123E+09	1,182224E+09	1,149279E+09
2132	1,070190E+09	9,661600E+08	8,899905E+08	8,899912E+08	9,661658E+08	1,070204E+09	1,149298E+09	1,182239E+09	1,185130E+09	1,185120E+09	1,182220E+09	1,149290E+09
2133	1,070215E+09	9,661816E+08	8,900013E+08	8,900013E+08	9,661713E+08	1,070189E+09	1,149274E+09	1,182230E+09	1,185137E+09	1,185124E+09	1,182206E+09	1,149253E+09
2134	1,070167E+09	9,661358E+08	8,899529E+08	8,899459E+08	9,661310E+08	1,070175E+09	1,149274E+09	1,182232E+09	1,185140E+09	1,185136E+09	1,182224E+09	1,149265E+09
2135	1,070170E+09	9,661434E+08	8,899817E+08	8,899886E+08	9,661704E+08	1,070207E+09	1,149290E+09	1,182229E+09	1,185129E+09	1,185131E+09	1,182232E+09	1,149284E+09
2136	1,070186E+09	9,661446E+08	8,899720E+08	8,899737E+08	9,661454E+08	1,070177E+09	1,149271E+09	1,182220E+09	1,185125E+09	1,185130E+09	1,182230E+09	1,149276E+09
2137	1,070168E+09	9,661154E+08	8,899336E+08	8,899435E+08	9,661353E+08	1,070180E+09	1,149282E+09	1,182237E+09	1,185140E+09	1,185138E+09	1,182235E+09	1,149291E+09
2138	1,070205E+09	9,661701E+08	8,899867E+08	8,899855E+08	9,661758E+08	1,070213E+09	1,149290E+09	1,182226E+09	1,185126E+09	1,185126E+09	1,182224E+09	1,149280E+09
2139	1,070195E+09	9,661628E+08	8,899820E+08	8,899643E+08	9,661317E+08	1,070172E+09	1,149270E+09	1,182224E+09	1,185130E+09	1,185128E+09	1,182219E+09	1,149269E+09
2140	1,070183E+09	9,661583E+08	8,899944E+08	8,899950E+08	9,661575E+08	1,070183E+09	1,149280E+09	1,182236E+09	1,185141E+09	1,185135E+09	1,182227E+09	1,149288E+09
2141	1,070216E+09	9,662000E+08	8,900372E+08	8,900433E+08	9,662049E+08	1,070201E+09	1,149266E+09	1,182220E+09	1,185139E+09	1,185137E+09	1,182220E+09	1,149263E+09
2142	1,070179E+09	9,661645E+08	8,900046E+08	8,900033E+08	9,661731E+08	1,070195E+09	1,149274E+09	1,182222E+09	1,185135E+09	1,185141E+09	1,182232E+09	1,149277E+09
2143	1,070190E+09	9,661797E+08	8,900367E+08	8,900474E+08	9,662121E+08	1,070230E+09	1,149303E+09	1,182236E+09	1,185132E+09	1,185130E+09	1,182228E+09	1,149292E+09
2144	1,070223E+09	9,662114E+08	8,900559E+08	8,900555E+08	9,662048E+08	1,070208E+09	1,149285E+09	1,182236E+09	1,185144E+09	1,185137E+09	1,182221E+09	1,149269E+09
2145	1,070192E+09	9,661816E+08	8,900233E+08	8,900212E+08	9,661786E+08	1,070192E+09	1,149281E+09	1,182246E+09	1,185164E+09	1,185157E+09	1,182235E+09	1,149282E+09
2146	1,070215E+09	9,662190E+08	8,900715E+08	8,900699E+08	9,662250E+08	1,070229E+09	1,149289E+09	1,182231E+09	1,185144E+09	1,185146E+09	1,182232E+09	1,149282E+09
2147	1,070208E+09	9,662065E+08	8,900586E+08	8,900520E+08	9,661916E+08	1,070191E+09	1,149266E+09	1,182221E+09	1,185140E+09	1,185145E+09	1,182232E+09	1,149275E+09
2148	1,070191E+09	9,661780E+08	8,900273E+08	8,900355E+08	9,661914E+08	1,070197E+09	1,149275E+09	1,182227E+09	1,185140E+09	1,185143E+09	1,182238E+09	1,149298E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2149	1,070228E+09	9,662171E+08	8,900579E+08	8,900613E+08	9,662244E+08	1,070224E+09	1,149281E+09	1,182222E+09	1,185132E+09	1,185130E+09	1,182220E+09	1,149272E+09
2150	1,070193E+09	9,661788E+08	8,900148E+08	8,900024E+08	9,661626E+08	1,070192E+09	1,149278E+09	1,182226E+09	1,185133E+09	1,185130E+09	1,182219E+09	1,149269E+09
2151	1,070186E+09	9,661687E+08	8,900152E+08	8,900193E+08	9,661790E+08	1,070204E+09	1,149293E+09	1,182237E+09	1,185134E+09	1,185124E+09	1,182214E+09	1,149278E+09
2152	1,070212E+09	9,661967E+08	8,900318E+08	8,900327E+08	9,661892E+08	1,070193E+09	1,149270E+09	1,182227E+09	1,185139E+09	1,185134E+09	1,182217E+09	1,149256E+09
2153	1,070166E+09	9,661439E+08	8,899757E+08	8,899744E+08	9,661482E+08	1,070175E+09	1,149262E+09	1,182225E+09	1,185145E+09	1,185149E+09	1,182237E+09	1,149278E+09
2154	1,070185E+09	9,661604E+08	8,900013E+08	8,900079E+08	9,661880E+08	1,070223E+09	1,149293E+09	1,182220E+09	1,185120E+09	1,185126E+09	1,182229E+09	1,149287E+09
2155	1,070201E+09	9,661693E+08	8,900016E+08	8,899991E+08	9,661602E+08	1,070186E+09	1,149277E+09	1,182225E+09	1,185126E+09	1,185123E+09	1,182217E+09	1,149270E+09
2156	1,070183E+09	9,661480E+08	8,899714E+08	8,899732E+08	9,661445E+08	1,070173E+09	1,149269E+09	1,182231E+09	1,185140E+09	1,185134E+09	1,182225E+09	1,149285E+09
2157	1,070216E+09	9,662030E+08	8,900343E+08	8,900290E+08	9,661961E+08	1,070208E+09	1,149276E+09	1,182225E+09	1,185138E+09	1,185131E+09	1,182214E+09	1,149263E+09
2158	1,070188E+09	9,661806E+08	8,900227E+08	8,900107E+08	9,661615E+08	1,070180E+09	1,149263E+09	1,182218E+09	1,185136E+09	1,185139E+09	1,182223E+09	1,149264E+09
2159	1,070176E+09	9,661646E+08	8,900242E+08	8,900380E+08	9,661925E+08	1,070200E+09	1,149277E+09	1,182224E+09	1,185132E+09	1,185132E+09	1,182225E+09	1,149286E+09
2160	1,070221E+09	9,662174E+08	8,900685E+08	8,900787E+08	9,662342E+08	1,070224E+09	1,149280E+09	1,182222E+09	1,185134E+09	1,185135E+09	1,182224E+09	1,149269E+09
2161	1,070188E+09	9,661824E+08	8,900315E+08	8,900312E+08	9,661877E+08	1,070199E+09	1,149276E+09	1,182232E+09	1,185149E+09	1,185149E+09	1,182234E+09	1,149282E+09
2162	1,070207E+09	9,662069E+08	8,900652E+08	8,900693E+08	9,662258E+08	1,070240E+09	1,149306E+09	1,182239E+09	1,185141E+09	1,185135E+09	1,182222E+09	1,149284E+09
2163	1,070229E+09	9,662384E+08	8,900956E+08	8,900898E+08	9,662200E+08	1,070209E+09	1,149283E+09	1,182239E+09	1,185154E+09	1,185146E+09	1,182219E+09	1,149261E+09
2164	1,070196E+09	9,662045E+08	8,900590E+08	8,900564E+08	9,661941E+08	1,070184E+09	1,149259E+09	1,182230E+09	1,185161E+09	1,185162E+09	1,182241E+09	1,149287E+09
2165	1,070224E+09	9,662400E+08	8,901050E+08	8,901067E+08	9,662501E+08	1,070233E+09	1,149277E+09	1,182221E+09	1,185143E+09	1,185145E+09	1,182230E+09	1,149280E+09
2166	1,070212E+09	9,662196E+08	8,900821E+08	8,900798E+08	9,662131E+08	1,070205E+09	1,149271E+09	1,182217E+09	1,185134E+09	1,185140E+09	1,182228E+09	1,149275E+09
2167	1,070197E+09	9,661907E+08	8,900493E+08	8,900609E+08	9,662071E+08	1,070204E+09	1,149277E+09	1,182225E+09	1,185131E+09	1,185127E+09	1,182219E+09	1,149287E+09
2168	1,070235E+09	9,662420E+08	8,900902E+08	8,900880E+08	9,662371E+08	1,070229E+09	1,149285E+09	1,182226E+09	1,185134E+09	1,185128E+09	1,182212E+09	1,149260E+09
2169	1,070190E+09	9,661942E+08	8,900448E+08	8,900326E+08	9,661732E+08	1,070185E+09	1,149269E+09	1,182229E+09	1,185148E+09	1,185145E+09	1,182223E+09	1,149264E+09
2170	1,070186E+09	9,661821E+08	8,900387E+08	8,900458E+08	9,662004E+08	1,070215E+09	1,149288E+09	1,182228E+09	1,185134E+09	1,185130E+09	1,182217E+09	1,149272E+09
2171	1,070207E+09	9,662065E+08	8,900562E+08	8,900624E+08	9,662122E+08	1,070207E+09	1,149274E+09	1,182225E+09	1,185140E+09	1,185138E+09	1,182218E+09	1,149257E+09
2172	1,070174E+09	9,661596E+08	8,899971E+08	8,899978E+08	9,661619E+08	1,070178E+09	1,149258E+09	1,182218E+09	1,185141E+09	1,185147E+09	1,182238E+09	1,149287E+09
2173	1,070204E+09	9,661880E+08	8,900318E+08	8,900346E+08	9,662009E+08	1,070221E+09	1,149289E+09	1,182227E+09	1,185130E+09	1,185125E+09	1,182219E+09	1,149280E+09
2174	1,070208E+09	9,661936E+08	8,900340E+08	8,900284E+08	9,661746E+08	1,070189E+09	1,149276E+09	1,182228E+09	1,185136E+09	1,185132E+09	1,182217E+09	1,149264E+09
2175	1,070185E+09	9,661673E+08	8,900093E+08	8,900140E+08	9,661648E+08	1,070172E+09	1,149259E+09	1,182221E+09	1,185137E+09	1,185134E+09	1,182220E+09	1,149277E+09
2176	1,070218E+09	9,662258E+08	8,900755E+08	8,900734E+08	9,662245E+08	1,070217E+09	1,149271E+09	1,182215E+09	1,185132E+09	1,185136E+09	1,182223E+09	1,149264E+09
2177	1,070189E+09	9,661937E+08	8,900534E+08	8,900506E+08	9,661906E+08	1,070192E+09	1,149260E+09	1,182212E+09	1,185138E+09	1,185147E+09	1,182232E+09	1,149272E+09
2178	1,070190E+09	9,661851E+08	8,900481E+08	8,900633E+08	9,662181E+08	1,070224E+09	1,149287E+09	1,182221E+09	1,185125E+09	1,185124E+09	1,182217E+09	1,149281E+09
2179	1,070229E+09	9,662418E+08	8,901005E+08	8,901070E+08	9,662509E+08	1,070235E+09	1,149292E+09	1,182235E+09	1,185142E+09	1,185132E+09	1,182209E+09	1,149260E+09
2180	1,070201E+09	9,662126E+08	8,900680E+08	8,900612E+08	9,661973E+08	1,070191E+09	1,149266E+09	1,182232E+09	1,185157E+09	1,185153E+09	1,182229E+09	1,149278E+09
2181	1,070217E+09	9,662376E+08	8,901081E+08	8,901078E+08	9,662405E+08	1,070229E+09	1,149290E+09	1,182239E+09	1,185153E+09	1,185144E+09	1,182220E+09	1,149273E+09
2182	1,070225E+09	9,662543E+08	8,901297E+08	8,901287E+08	9,662451E+08	1,070213E+09	1,149273E+09	1,182230E+09	1,185156E+09	1,185157E+09	1,182228E+09	1,149263E+09
2183	1,070194E+09	9,662137E+08	8,900874E+08	8,900932E+08	9,662210E+08	1,070194E+09	1,149253E+09	1,182212E+09	1,185143E+09	1,185152E+09	1,182237E+09	1,149288E+09
2184	1,070232E+09	9,662594E+08	8,901342E+08	8,901371E+08	9,662720E+08	1,070248E+09	1,149285E+09	1,182216E+09	1,185132E+09	1,185138E+09	1,182228E+09	1,149280E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2185	1,070219E+09	9,662371E+08	8,901067E+08	8,901053E+08	9,662278E+08	1,070209E+09	1,149273E+09	1,182224E+09	1,185143E+09	1,185142E+09	1,182223E+09	1,149272E+09
2186	1,070207E+09	9,662140E+08	8,900735E+08	8,900795E+08	9,662215E+08	1,070216E+09	1,149281E+09	1,182228E+09	1,185137E+09	1,185128E+09	1,182209E+09	1,149270E+09
2187	1,070229E+09	9,662594E+08	8,901226E+08	8,901191E+08	9,662530E+08	1,070232E+09	1,149287E+09	1,182233E+09	1,185146E+09	1,185137E+09	1,182209E+09	1,149251E+09
2188	1,070189E+09	9,662073E+08	8,900705E+08	8,900628E+08	9,661903E+08	1,070180E+09	1,149253E+09	1,182219E+09	1,185150E+09	1,185155E+09	1,182234E+09	1,149272E+09
2189	1,070193E+09	9,661964E+08	8,900621E+08	8,900730E+08	9,662194E+08	1,070218E+09	1,149282E+09	1,182225E+09	1,185136E+09	1,185135E+09	1,182221E+09	1,149275E+09
2190	1,070213E+09	9,662187E+08	8,900752E+08	8,900836E+08	9,662276E+08	1,070217E+09	1,149280E+09	1,182225E+09	1,185137E+09	1,185138E+09	1,182222E+09	1,149263E+09
2191	1,070184E+09	9,661784E+08	8,900239E+08	8,900223E+08	9,661730E+08	1,070178E+09	1,149254E+09	1,182211E+09	1,185132E+09	1,185135E+09	1,182225E+09	1,149282E+09
2192	1,070216E+09	9,662211E+08	8,900738E+08	8,900692E+08	9,662163E+08	1,070221E+09	1,149283E+09	1,182220E+09	1,185128E+09	1,185127E+09	1,182216E+09	1,149272E+09
2193	1,070210E+09	9,662170E+08	8,900741E+08	8,900701E+08	9,661960E+08	1,070185E+09	1,149262E+09	1,182221E+09	1,185142E+09	1,185141E+09	1,182218E+09	1,149260E+09
2194	1,070188E+09	9,661874E+08	8,900412E+08	8,900506E+08	9,661982E+08	1,070191E+09	1,149258E+09	1,182211E+09	1,185130E+09	1,185131E+09	1,182215E+09	1,149267E+09
2195	1,070214E+09	9,662403E+08	8,901083E+08	8,901128E+08	9,662572E+08	1,070240E+09	1,149284E+09	1,182218E+09	1,185130E+09	1,185131E+09	1,182213E+09	1,149261E+09
2196	1,070197E+09	9,662115E+08	8,900796E+08	8,900795E+08	9,662101E+08	1,070199E+09	1,149264E+09	1,182216E+09	1,185140E+09	1,185146E+09	1,182229E+09	1,149275E+09
2197	1,070205E+09	9,662128E+08	8,900803E+08	8,900907E+08	9,662318E+08	1,070225E+09	1,149291E+09	1,182237E+09	1,185143E+09	1,185131E+09	1,182210E+09	1,149272E+09
2198	1,070232E+09	9,662642E+08	8,901340E+08	8,901362E+08	9,662642E+08	1,070236E+09	1,149291E+09	1,182241E+09	1,185158E+09	1,185149E+09	1,182216E+09	1,149256E+09
2199	1,070200E+09	9,662317E+08	8,901067E+08	8,900996E+08	9,662138E+08	1,070184E+09	1,149250E+09	1,182220E+09	1,185156E+09	1,185158E+09	1,182232E+09	1,149277E+09
2200	1,070223E+09	9,662613E+08	8,901484E+08	8,901502E+08	9,662667E+08	1,070231E+09	1,149276E+09	1,182221E+09	1,185146E+09	1,185151E+09	1,182232E+09	1,149280E+09
2201	1,070230E+09	9,662693E+08	8,901578E+08	8,901633E+08	9,662709E+08	1,070221E+09	1,149266E+09	1,182218E+09	1,185149E+09	1,185158E+09	1,182234E+09	1,149274E+09
2202	1,070211E+09	9,662363E+08	8,901106E+08	8,901155E+08	9,662446E+08	1,070215E+09	1,149262E+09	1,182207E+09	1,185130E+09	1,185136E+09	1,182222E+09	1,149280E+09
2203	1,070238E+09	9,662832E+08	8,901665E+08	8,901647E+08	9,662879E+08	1,070257E+09	1,149297E+09	1,182228E+09	1,185136E+09	1,185128E+09	1,182206E+09	1,149266E+09
2204	1,070225E+09	9,662602E+08	8,901386E+08	8,901334E+08	9,662399E+08	1,070203E+09	1,149266E+09	1,182225E+09	1,185152E+09	1,185147E+09	1,182217E+09	1,149262E+09
2205	1,070208E+09	9,662348E+08	8,901072E+08	8,901117E+08	9,662378E+08	1,070210E+09	1,149274E+09	1,182233E+09	1,185150E+09	1,185139E+09	1,182208E+09	1,149258E+09
2206	1,070217E+09	9,662629E+08	8,901436E+08	8,901477E+08	9,662769E+08	1,070241E+09	1,149285E+09	1,182230E+09	1,185151E+09	1,185150E+09	1,182222E+09	1,149256E+09
2207	1,070186E+09	9,662110E+08	8,900901E+08	8,900883E+08	9,662099E+08	1,070188E+09	1,149250E+09	1,182207E+09	1,185138E+09	1,185150E+09	1,182235E+09	1,149280E+09
2208	1,070206E+09	9,662159E+08	8,900871E+08	8,900958E+08	9,662325E+08	1,070221E+09	1,149283E+09	1,182221E+09	1,185130E+09	1,185134E+09	1,182225E+09	1,149281E+09
2209	1,070225E+09	9,662401E+08	8,901011E+08	8,901054E+08	9,662375E+08	1,070214E+09	1,149276E+09	1,182227E+09	1,185145E+09	1,185143E+09	1,182221E+09	1,149266E+09
2210	1,070200E+09	9,662087E+08	8,900563E+08	8,900469E+08	9,661898E+08	1,070185E+09	1,149251E+09	1,182206E+09	1,185128E+09	1,185130E+09	1,182214E+09	1,149267E+09
2211	1,070214E+09	9,662446E+08	8,901153E+08	8,901092E+08	9,662386E+08	1,070224E+09	1,149281E+09	1,182221E+09	1,185131E+09	1,185126E+09	1,182206E+09	1,149263E+09
2212	1,070212E+09	9,662347E+08	8,901076E+08	8,901099E+08	9,662254E+08	1,070190E+09	1,149251E+09	1,182210E+09	1,185140E+09	1,185144E+09	1,182220E+09	1,149262E+09
2213	1,070195E+09	9,662070E+08	8,900725E+08	8,900844E+08	9,662241E+08	1,070202E+09	1,149262E+09	1,182214E+09	1,185132E+09	1,185130E+09	1,182211E+09	1,149263E+09
2214	1,070214E+09	9,662529E+08	8,901325E+08	8,901396E+08	9,662781E+08	1,070253E+09	1,149296E+09	1,182229E+09	1,185137E+09	1,185134E+09	1,182213E+09	1,149260E+09
2215	1,070201E+09	9,662318E+08	8,901130E+08	8,901086E+08	9,662233E+08	1,070197E+09	1,149261E+09	1,182218E+09	1,185143E+09	1,185143E+09	1,182220E+09	1,149269E+09
2216	1,070214E+09	9,662438E+08	8,901245E+08	8,901270E+08	9,662460E+08	1,070219E+09	1,149280E+09	1,182231E+09	1,185150E+09	1,185145E+09	1,182217E+09	1,149267E+09
2217	1,070233E+09	9,662853E+08	8,901731E+08	8,901762E+08	9,662853E+08	1,070231E+09	1,149275E+09	1,182232E+09	1,185164E+09	1,185163E+09	1,182227E+09	1,149262E+09
2218	1,070208E+09	9,662536E+08	8,901392E+08	8,901350E+08	9,662470E+08	1,070201E+09	1,149244E+09	1,182202E+09	1,185142E+09	1,185153E+09	1,182230E+09	1,149275E+09
2219	1,070226E+09	9,662801E+08	8,901830E+08	8,901883E+08	9,662970E+08	1,070249E+09	1,149284E+09	1,182219E+09	1,185138E+09	1,185139E+09	1,182221E+09	1,149281E+09
2220	1,070245E+09	9,662906E+08	8,901853E+08	8,901926E+08	9,662926E+08	1,070228E+09	1,149268E+09	1,182219E+09	1,185147E+09	1,185150E+09	1,182225E+09	1,149273E+09

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2221	1,070224E+09	9,662635E+08	8,901430E+08	8,901419E+08	9,662595E+08	1,070218E+09	1,149269E+09	1,182223E+09	1,185143E+09	1,185137E+09	1,182210E+09	1,149264E+09
2222	1,070232E+09	9,662972E+08	8,901955E+08	8,901917E+08	9,663029E+08	1,070262E+09	1,149302E+09	1,182239E+09	1,185151E+09	1,185141E+09	1,182209E+09	1,149257E+09
2223	1,070216E+09	9,662695E+08	8,901686E+08	8,901636E+08	9,662543E+08	1,070199E+09	1,149255E+09	1,182220E+09	1,185154E+09	1,185154E+09	1,182221E+09	1,149261E+09
2224	1,070208E+09	9,662481E+08	8,901351E+08	8,901415E+08	9,662587E+08	1,070214E+09	1,149264E+09	1,182219E+09	1,185149E+09	1,185153E+09	1,182224E+09	1,149267E+09
2225	1,070222E+09	9,662713E+08	8,901606E+08	8,901676E+08	9,662927E+08	1,070246E+09	1,149279E+09	1,182221E+09	1,185147E+09	1,185153E+09	1,182231E+09	1,149270E+09
2226	1,070205E+09	9,662322E+08	8,901079E+08	8,901017E+08	9,662242E+08	1,070199E+09	1,149253E+09	1,182202E+09	1,185126E+09	1,185133E+09	1,182222E+09	1,149276E+09
2227	1,070218E+09	9,662440E+08	8,901228E+08	8,901236E+08	9,662448E+08	1,070221E+09	1,149283E+09	1,182225E+09	1,185132E+09	1,185122E+09	1,182204E+09	1,149272E+09
2228	1,070236E+09	9,662672E+08	8,901389E+08	8,901382E+08	9,662515E+08	1,070205E+09	1,149261E+09	1,182220E+09	1,185146E+09	1,185143E+09	1,182213E+09	1,149256E+09
2229	1,070203E+09	9,662334E+08	8,900984E+08	8,900875E+08	9,662134E+08	1,070185E+09	1,149245E+09	1,182207E+09	1,185134E+09	1,185134E+09	1,182208E+09	1,149252E+09
2230	1,070201E+09	9,662511E+08	8,901446E+08	8,901471E+08	9,662715E+08	1,070242E+09	1,149285E+09	1,182219E+09	1,185133E+09	1,185132E+09	1,182210E+09	1,149259E+09
2231	1,070205E+09	9,662418E+08	8,901348E+08	8,901416E+08	9,662513E+08	1,070204E+09	1,149255E+09	1,182208E+09	1,185134E+09	1,185138E+09	1,182216E+09	1,149263E+09
2232	1,070203E+09	9,662272E+08	8,901032E+08	8,901128E+08	9,662438E+08	1,070211E+09	1,149266E+09	1,182218E+09	1,185139E+09	1,185139E+09	1,182215E+09	1,149264E+09
2233	1,070222E+09	9,662719E+08	8,901599E+08	8,901636E+08	9,662910E+08	1,070254E+09	1,149294E+09	1,182236E+09	1,185153E+09	1,185148E+09	1,182219E+09	1,149265E+09
2234	1,070215E+09	9,662601E+08	8,901468E+08	8,901367E+08	9,662415E+08	1,070201E+09	1,149255E+09	1,182214E+09	1,185146E+09	1,185147E+09	1,182219E+09	1,149265E+09
2235	1,070218E+09	9,662696E+08	8,901695E+08	8,901707E+08	9,662696E+08	1,070217E+09	1,149270E+09	1,182227E+09	1,185152E+09	1,185147E+09	1,182216E+09	1,149272E+09
2236	1,070244E+09	9,663063E+08	8,902087E+08	8,902156E+08	9,663134E+08	1,070235E+09	1,149260E+09	1,182215E+09	1,185157E+09	1,185165E+09	1,182232E+09	1,149271E+09
2237	1,070224E+09	9,662800E+08	8,901755E+08	8,901697E+08	9,662718E+08	1,070214E+09	1,149250E+09	1,182202E+09	1,185135E+09	1,185143E+09	1,182220E+09	1,149270E+09
2238	1,070231E+09	9,662979E+08	8,902108E+08	8,902159E+08	9,663184E+08	1,070264E+09	1,149296E+09	1,182229E+09	1,185140E+09	1,185133E+09	1,182209E+09	1,149273E+09
2239	1,070247E+09	9,663121E+08	8,902203E+08	8,902213E+08	9,663075E+08	1,070231E+09	1,149266E+09	1,182222E+09	1,185150E+09	1,185144E+09	1,182209E+09	1,149259E+09
2240	1,070227E+09	9,662874E+08	8,901823E+08	8,901756E+08	9,662745E+08	1,070215E+09	1,149259E+09	1,182220E+09	1,185154E+09	1,185152E+09	1,182213E+09	1,149254E+09
2241	1,070225E+09	9,663039E+08	8,902204E+08	8,902215E+08	9,663215E+08	1,070261E+09	1,149292E+09	1,182235E+09	1,185160E+09	1,185157E+09	1,182222E+09	1,149263E+09
2242	1,070219E+09	9,662793E+08	8,901872E+08	8,901869E+08	9,662792E+08	1,070214E+09	1,149251E+09	1,182207E+09	1,185144E+09	1,185150E+09	1,182221E+09	1,149262E+09
2243	1,070212E+09	9,662603E+08	8,901590E+08	8,901659E+08	9,662745E+08	1,070222E+09	1,149267E+09	1,182219E+09	1,185144E+09	1,185142E+09	1,182217E+09	1,149274E+09
2244	1,070240E+09	9,662909E+08	8,901824E+08	8,901864E+08	9,663025E+08	1,070244E+09	1,149273E+09	1,182219E+09	1,185147E+09	1,185150E+09	1,182225E+09	1,149273E+09
2245	1,070223E+09	9,662630E+08	8,901429E+08	8,901263E+08	9,662330E+08	1,070197E+09	1,149252E+09	1,182209E+09	1,185132E+09	1,185131E+09	1,182208E+09	1,149261E+09
2246	1,070215E+09	9,662618E+08	8,901571E+08	8,901564E+08	9,662629E+08	1,070224E+09	1,149280E+09	1,182227E+09	1,185140E+09	1,185128E+09	1,182201E+09	1,149261E+09
2247	1,070228E+09	9,662809E+08	8,901758E+08	8,901772E+08	9,662763E+08	1,070206E+09	1,149247E+09	1,182209E+09	1,185142E+09	1,185142E+09	1,182210E+09	1,149252E+09
2248	1,070202E+09	9,662473E+08	8,901315E+08	8,901257E+08	9,662436E+08	1,070198E+09	1,149239E+09	1,182194E+09	1,185133E+09	1,185145E+09	1,182217E+09	1,149255E+09
2249	1,070202E+09	9,662568E+08	8,901634E+08	8,901719E+08	9,662938E+08	1,070257E+09	1,149292E+09	1,182221E+09	1,185135E+09	1,185136E+09	1,182216E+09	1,149269E+09
2250	1,070220E+09	9,662625E+08	8,901566E+08	8,901609E+08	9,662694E+08	1,070219E+09	1,149263E+09	1,182212E+09	1,185134E+09	1,185131E+09	1,182205E+09	1,149257E+09
2251	1,070213E+09	9,662557E+08	8,901431E+08	8,901447E+08	9,662567E+08	1,070210E+09	1,149266E+09	1,182226E+09	1,185149E+09	1,185138E+09	1,182204E+09	1,149262E+09
2252	1,070237E+09	9,663005E+08	8,902001E+08	8,901992E+08	9,663062E+08	1,070244E+09	1,149276E+09	1,182228E+09	1,185160E+09	1,185158E+09	1,182222E+09	1,149265E+09
2253	1,070226E+09	9,662894E+08	8,901918E+08	8,901802E+08	9,662659E+08	1,070203E+09	1,149247E+09	1,182210E+09	1,185146E+09	1,185151E+09	1,182218E+09	1,149259E+09
2254	1,070216E+09	9,662847E+08	8,902046E+08	8,902126E+08	9,663036E+08	1,070235E+09	1,149271E+09	1,182220E+09	1,185148E+09	1,185147E+09	1,182218E+09	1,149272E+09
2255	1,070247E+09	9,663234E+08	8,902428E+08	8,902496E+08	9,663376E+08	1,070247E+09	1,149261E+09	1,182210E+09	1,185147E+09	1,185152E+09	1,182222E+09	1,149269E+09
2256	1,070236E+09	9,663055E+08	8,902119E+08	8,902031E+08	9,662933E+08	1,070224E+09	1,149253E+09	1,182205E+09	1,185142E+09	1,185149E+09	1,182216E+09	1,149262E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2257	1,070234E+09	9,663151E+08	8,902386E+08	8,902414E+08	9,663327E+08	1,070268E+09	1,149297E+09	1,182237E+09	1,185156E+09	1,185144E+09	1,182208E+09	1,149266E+09
2258	1,070250E+09	9,663312E+08	8,902475E+08	8,902467E+08	9,663245E+08	1,070236E+09	1,149263E+09	1,182221E+09	1,185156E+09	1,185149E+09	1,182205E+09	1,149249E+09
2259	1,070222E+09	9,663016E+08	8,902156E+08	8,902114E+08	9,662946E+08	1,070216E+09	1,149251E+09	1,182218E+09	1,185159E+09	1,185156E+09	1,182215E+09	1,149261E+09
2260	1,070233E+09	9,663139E+08	8,902399E+08	8,902461E+08	9,663392E+08	1,070263E+09	1,149278E+09	1,182220E+09	1,185156E+09	1,185162E+09	1,182231E+09	1,149276E+09
2261	1,070236E+09	9,662996E+08	8,902114E+08	8,902083E+08	9,662904E+08	1,070219E+09	1,149257E+09	1,182209E+09	1,185138E+09	1,185143E+09	1,182215E+09	1,149262E+09
2262	1,070221E+09	9,662781E+08	8,901837E+08	8,901883E+08	9,662869E+08	1,070226E+09	1,149269E+09	1,182222E+09	1,185145E+09	1,185136E+09	1,182207E+09	1,149266E+09
2263	1,070244E+09	9,663149E+08	8,902183E+08	8,902134E+08	9,663112E+08	1,070238E+09	1,149262E+09	1,182213E+09	1,185145E+09	1,185143E+09	1,182209E+09	1,149259E+09
2264	1,070226E+09	9,662881E+08	8,901850E+08	8,901661E+08	9,662535E+08	1,070196E+09	1,149238E+09	1,182197E+09	1,185137E+09	1,185143E+09	1,182207E+09	1,149248E+09
2265	1,070207E+09	9,662690E+08	8,901835E+08	8,901907E+08	9,662898E+08	1,070233E+09	1,149274E+09	1,182221E+09	1,185143E+09	1,185137E+09	1,182207E+09	1,149261E+09
2266	1,070229E+09	9,662898E+08	8,901952E+08	8,902054E+08	9,663078E+08	1,070231E+09	1,149253E+09	1,182203E+09	1,185134E+09	1,185136E+09	1,182206E+09	1,149250E+09
2267	1,070206E+09	9,662607E+08	8,901581E+08	8,901560E+08	9,662645E+08	1,070212E+09	1,149250E+09	1,182204E+09	1,185136E+09	1,185137E+09	1,182211E+09	1,149261E+09
2268	1,070219E+09	9,662754E+08	8,901855E+08	8,901928E+08	9,663049E+08	1,070258E+09	1,149291E+09	1,182227E+09	1,185147E+09	1,185143E+09	1,182216E+09	1,149272E+09
2269	1,070239E+09	9,662949E+08	8,901949E+08	8,901884E+08	9,662768E+08	1,070217E+09	1,149265E+09	1,182222E+09	1,185146E+09	1,185139E+09	1,182202E+09	1,149248E+09
2270	1,070215E+09	9,662786E+08	8,901830E+08	8,901824E+08	9,662741E+08	1,070209E+09	1,149257E+09	1,182226E+09	1,185160E+09	1,185151E+09	1,182209E+09	1,149258E+09
2271	1,070237E+09	9,663237E+08	8,902437E+08	8,902420E+08	9,663302E+08	1,070243E+09	1,149257E+09	1,182211E+09	1,185155E+09	1,185159E+09	1,182223E+09	1,149268E+09
2272	1,070236E+09	9,663142E+08	8,902334E+08	8,902252E+08	9,662982E+08	1,070214E+09	1,149235E+09	1,182190E+09	1,185140E+09	1,185156E+09	1,182221E+09	1,149261E+09
2273	1,070224E+09	9,663004E+08	8,902309E+08	8,902428E+08	9,663280E+08	1,070250E+09	1,149276E+09	1,182219E+09	1,185144E+09	1,185142E+09	1,182214E+09	1,149275E+09
2274	1,070261E+09	9,663483E+08	8,902708E+08	8,902767E+08	9,663598E+08	1,070262E+09	1,149268E+09	1,182213E+09	1,185143E+09	1,185139E+09	1,182202E+09	1,149254E+09
2275	1,070239E+09	9,663305E+08	8,902523E+08	8,902395E+08	9,663088E+08	1,070226E+09	1,149253E+09	1,182213E+09	1,185152E+09	1,185147E+09	1,182203E+09	1,149253E+09
2276	1,070237E+09	9,663317E+08	8,902694E+08	8,902741E+08	9,663487E+08	1,070263E+09	1,149285E+09	1,182233E+09	1,185166E+09	1,185159E+09	1,182214E+09	1,149263E+09
2277	1,070252E+09	9,663492E+08	8,902800E+08	8,902803E+08	9,663438E+08	1,070241E+09	1,149261E+09	1,182219E+09	1,185158E+09	1,185156E+09	1,182209E+09	1,149245E+09
2278	1,070218E+09	9,663080E+08	8,902375E+08	8,902404E+08	9,663180E+08	1,070229E+09	1,149253E+09	1,182214E+09	1,185158E+09	1,185159E+09	1,182220E+09	1,149264E+09
2279	1,070238E+09	9,663292E+08	8,902635E+08	8,902677E+08	9,663507E+08	1,070266E+09	1,149274E+09	1,182214E+09	1,185148E+09	1,185152E+09	1,182224E+09	1,149278E+09
2280	1,070251E+09	9,663252E+08	8,902413E+08	8,902346E+08	9,663039E+08	1,070221E+09	1,149250E+09	1,182204E+09	1,185143E+09	1,185148E+09	1,182211E+09	1,149256E+09
2281	1,070226E+09	9,662962E+08	8,902094E+08	8,902116E+08	9,662985E+08	1,070228E+09	1,149266E+09	1,182222E+09	1,185151E+09	1,185143E+09	1,182206E+09	1,149262E+09
2282	1,070249E+09	9,663337E+08	8,902464E+08	8,902433E+08	9,663310E+08	1,070244E+09	1,149256E+09	1,182206E+09	1,185143E+09	1,185141E+09	1,182203E+09	1,149248E+09
2283	1,070221E+09	9,663022E+08	8,902187E+08	8,902065E+08	9,662799E+08	1,070205E+09	1,149235E+09	1,182194E+09	1,185138E+09	1,185141E+09	1,182206E+09	1,149252E+09
2284	1,070213E+09	9,662783E+08	8,902020E+08	8,902169E+08	9,663122E+08	1,070245E+09	1,149272E+09	1,182214E+09	1,185142E+09	1,185142E+09	1,182211E+09	1,149267E+09
2285	1,070242E+09	9,663106E+08	8,902201E+08	8,902274E+08	9,663198E+08	1,070242E+09	1,149269E+09	1,182214E+09	1,185136E+09	1,185132E+09	1,182198E+09	1,149245E+09
2286	1,070212E+09	9,662808E+08	8,901865E+08	8,901828E+08	9,662776E+08	1,070216E+09	1,149255E+09	1,182215E+09	1,185148E+09	1,185141E+09	1,182205E+09	1,149253E+09
2287	1,070225E+09	9,663045E+08	8,902255E+08	8,902228E+08	9,663111E+08	1,070247E+09	1,149275E+09	1,182222E+09	1,185151E+09	1,185147E+09	1,182210E+09	1,149265E+09
2288	1,070245E+09	9,663244E+08	8,902415E+08	8,902338E+08	9,662995E+08	1,070213E+09	1,149245E+09	1,182207E+09	1,185153E+09	1,185157E+09	1,182209E+09	1,149243E+09
2289	1,070214E+09	9,662943E+08	8,902174E+08	8,902238E+08	9,663046E+08	1,070219E+09	1,149247E+09	1,182210E+09	1,185156E+09	1,185157E+09	1,182217E+09	1,149263E+09
2290	1,070245E+09	9,663408E+08	8,902715E+08	8,902777E+08	9,663623E+08	1,070263E+09	1,149258E+09	1,182199E+09	1,185140E+09	1,185147E+09	1,182214E+09	1,149264E+09
2291	1,070244E+09	9,663359E+08	8,902689E+08	8,902648E+08	9,663256E+08	1,070230E+09	1,149246E+09	1,182197E+09	1,185138E+09	1,185142E+09	1,182208E+09	1,149261E+09
2292	1,070238E+09	9,663230E+08	8,902586E+08	8,902702E+08	9,663453E+08	1,070256E+09	1,149277E+09	1,182225E+09	1,185154E+09	1,185147E+09	1,182208E+09	1,149268E+09

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	1,070270E+09	9,663771E+08	8,903089E+08	8,903070E+08	9,663707E+08	1,070266E+09	1,149278E+09	1,182225E+09	1,185156E+09	1,185146E+09	1,182196E+09	1,149240E+09
2294	1,070233E+09	9,663453E+08	8,902861E+08	8,902770E+08	9,663292E+08	1,070228E+09	1,149250E+09	1,182217E+09	1,185165E+09	1,185162E+09	1,182210E+09	1,149248E+09
2295	1,070232E+09	9,663454E+08	8,902988E+08	8,903050E+08	9,663664E+08	1,070262E+09	1,149269E+09	1,182219E+09	1,185163E+09	1,185165E+09	1,182221E+09	1,149269E+09
2296	1,070261E+09	9,663663E+08	8,903069E+08	8,903107E+08	9,663659E+08	1,070249E+09	1,149251E+09	1,182203E+09	1,185155E+09	1,185165E+09	1,182217E+09	1,149252E+09
2297	1,070228E+09	9,663225E+08	8,902548E+08	8,902580E+08	9,663306E+08	1,070237E+09	1,149255E+09	1,182211E+09	1,185153E+09	1,185155E+09	1,182219E+09	1,149270E+09
2298	1,070255E+09	9,663541E+08	8,902874E+08	8,902878E+08	9,663622E+08	1,070268E+09	1,149272E+09	1,182211E+09	1,185143E+09	1,185139E+09	1,182205E+09	1,149266E+09
2299	1,070257E+09	9,663519E+08	8,902806E+08	8,902708E+08	9,663192E+08	1,070219E+09	1,149244E+09	1,182203E+09	1,185144E+09	1,185140E+09	1,182198E+09	1,149248E+09
2300	1,070228E+09	9,663131E+08	8,902387E+08	8,902449E+08	9,663181E+08	1,070227E+09	1,149255E+09	1,182215E+09	1,185154E+09	1,185150E+09	1,182207E+09	1,149256E+09
2301	1,070248E+09	9,663501E+08	8,902776E+08	8,902768E+08	9,663532E+08	1,070258E+09	1,149264E+09	1,182206E+09	1,185140E+09	1,185141E+09	1,182200E+09	1,149240E+09
2302	1,070214E+09	9,663081E+08	8,902401E+08	8,902364E+08	9,663046E+08	1,070222E+09	1,149246E+09	1,182199E+09	1,185141E+09	1,185145E+09	1,182207E+09	1,149249E+09
2303	1,070215E+09	9,662944E+08	8,902244E+08	8,902375E+08	9,663238E+08	1,070249E+09	1,149274E+09	1,182217E+09	1,185145E+09	1,185141E+09	1,182208E+09	1,149267E+09
2304	1,070254E+09	9,663368E+08	8,902519E+08	8,902552E+08	9,663332E+08	1,070241E+09	1,149260E+09	1,182212E+09	1,185151E+09	1,185148E+09	1,182199E+09	1,149239E+09
2305	1,070216E+09	9,663008E+08	8,902161E+08	8,902096E+08	9,662892E+08	1,070214E+09	1,149248E+09	1,182214E+09	1,185158E+09	1,185155E+09	1,182212E+09	1,149255E+09
2306	1,070233E+09	9,663278E+08	8,902605E+08	8,902608E+08	9,663333E+08	1,070245E+09	1,149261E+09	1,182209E+09	1,185147E+09	1,185147E+09	1,182210E+09	1,149262E+09
2307	1,070249E+09	9,663462E+08	8,902822E+08	8,902815E+08	9,663317E+08	1,070221E+09	1,149235E+09	1,182193E+09	1,185143E+09	1,185151E+09	1,182211E+09	1,149253E+09
2308	1,070226E+09	9,663132E+08	8,902459E+08	8,902581E+08	9,663324E+08	1,070233E+09	1,149246E+09	1,182199E+09	1,185146E+09	1,185153E+09	1,182217E+09	1,149268E+09
2309	1,070261E+09	9,663702E+08	8,903072E+08	8,903085E+08	9,663797E+08	1,070279E+09	1,149277E+09	1,182208E+09	1,185136E+09	1,185134E+09	1,182198E+09	1,149252E+09
2310	1,070247E+09	9,663595E+08	8,903047E+08	8,902999E+08	9,663467E+08	1,070239E+09	1,149255E+09	1,182210E+09	1,185151E+09	1,185144E+09	1,182195E+09	1,149243E+09
2311	1,070237E+09	9,663494E+08	8,902978E+08	8,903031E+08	9,663593E+08	1,070252E+09	1,149268E+09	1,182224E+09	1,185164E+09	1,185154E+09	1,182203E+09	1,149256E+09
2312	1,070268E+09	9,663976E+08	8,903477E+08	8,903488E+08	9,663956E+08	1,070266E+09	1,149262E+09	1,182216E+09	1,185168E+09	1,185167E+09	1,182206E+09	1,149237E+09
2313	1,070227E+09	9,663527E+08	8,903088E+08	8,903074E+08	9,663541E+08	1,070238E+09	1,149247E+09	1,182209E+09	1,185166E+09	1,185172E+09	1,182224E+09	1,149259E+09
2314	1,070242E+09	9,663580E+08	8,903179E+08	8,903293E+08	9,663861E+08	1,070271E+09	1,149270E+09	1,182212E+09	1,185152E+09	1,185156E+09	1,182218E+09	1,149273E+09
2315	1,070273E+09	9,663877E+08	8,903353E+08	8,903386E+08	9,663823E+08	1,070254E+09	1,149254E+09	1,182205E+09	1,185151E+09	1,185154E+09	1,182211E+09	1,149258E+09
2316	1,070245E+09	9,663474E+08	8,902809E+08	8,902788E+08	9,663409E+08	1,070236E+09	1,149250E+09	1,182209E+09	1,185157E+09	1,185157E+09	1,182214E+09	1,149265E+09
2317	1,070265E+09	9,663834E+08	8,903245E+08	8,903148E+08	9,663700E+08	1,070269E+09	1,149277E+09	1,182214E+09	1,185146E+09	1,185140E+09	1,182196E+09	1,149250E+09
2318	1,070250E+09	9,663657E+08	8,903139E+08	8,903102E+08	9,663452E+08	1,070223E+09	1,149241E+09	1,182205E+09	1,185152E+09	1,185148E+09	1,182198E+09	1,149237E+09
2319	1,070222E+09	9,663260E+08	8,902652E+08	8,902747E+08	9,663400E+08	1,070232E+09	1,149244E+09	1,182202E+09	1,185150E+09	1,185152E+09	1,182209E+09	1,149256E+09
2320	1,070249E+09	9,663620E+08	8,903006E+08	8,903053E+08	9,663767E+08	1,070269E+09	1,149263E+09	1,182200E+09	1,185142E+09	1,185148E+09	1,182204E+09	1,149242E+09
2321	1,070219E+09	9,663195E+08	8,902564E+08	8,902534E+08	9,663180E+08	1,070230E+09	1,149253E+09	1,182205E+09	1,185144E+09	1,185145E+09	1,182207E+09	1,149252E+09
2322	1,070227E+09	9,663158E+08	8,902489E+08	8,902578E+08	9,663315E+08	1,070243E+09	1,149268E+09	1,182216E+09	1,185147E+09	1,185138E+09	1,182197E+09	1,149258E+09
2323	1,070259E+09	9,663635E+08	8,902925E+08	8,902924E+08	9,663494E+08	1,070237E+09	1,149250E+09	1,182208E+09	1,185152E+09	1,185149E+09	1,182199E+09	1,149241E+09
2324	1,070223E+09	9,663227E+08	8,902515E+08	8,902472E+08	9,663131E+08	1,070213E+09	1,149231E+09	1,182198E+09	1,185155E+09	1,185162E+09	1,182218E+09	1,149256E+09
2325	1,070240E+09	9,663525E+08	8,902994E+08	8,902994E+08	9,663595E+08	1,070260E+09	1,149266E+09	1,182201E+09	1,185137E+09	1,185140E+09	1,182205E+09	1,149259E+09
2326	1,070251E+09	9,663625E+08	8,903148E+08	8,903220E+08	9,663652E+08	1,070241E+09	1,149246E+09	1,182197E+09	1,185141E+09	1,185144E+09	1,182201E+09	1,149246E+09
2327	1,070233E+09	9,663387E+08	8,902787E+08	8,902874E+08	9,663512E+08	1,070241E+09	1,149251E+09	1,182205E+09	1,185148E+09	1,185148E+09	1,182205E+09	1,149260E+09
2328	1,070268E+09	9,663971E+08	8,903455E+08	8,903434E+08	9,663998E+08	1,070284E+09	1,149275E+09	1,182214E+09	1,185155E+09	1,185149E+09	1,182195E+09	1,149240E+09

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2329	1,070245E+09	9,663772E+08	8,903362E+08	8,903298E+08	9,663632E+08	1,070241E+09	1,149255E+09	1,182217E+09	1,185167E+09	1,185161E+09	1,182204E+09	1,149242E+09
2330	1,070238E+09	9,663649E+08	8,903276E+08	8,903371E+08	9,663805E+08	1,070250E+09	1,149257E+09	1,182217E+09	1,185167E+09	1,185162E+09	1,182208E+09	1,149257E+09
2331	1,070270E+09	9,664134E+08	8,903797E+08	8,903862E+08	9,664230E+08	1,070273E+09	1,149253E+09	1,182205E+09	1,185161E+09	1,185167E+09	1,182216E+09	1,149254E+09
2332	1,070243E+09	9,663700E+08	8,903306E+08	8,903305E+08	9,663719E+08	1,070245E+09	1,149244E+09	1,182200E+09	1,185158E+09	1,185170E+09	1,182228E+09	1,149271E+09
2333	1,070263E+09	9,663891E+08	8,903509E+08	8,903520E+08	9,663937E+08	1,070275E+09	1,149279E+09	1,182215E+09	1,185147E+09	1,185142E+09	1,182203E+09	1,149265E+09
2334	1,070280E+09	9,664129E+08	8,903712E+08	8,903702E+08	9,663981E+08	1,070254E+09	1,149253E+09	1,182210E+09	1,185157E+09	1,185151E+09	1,182195E+09	1,149239E+09
2335	1,070244E+09	9,663737E+08	8,903198E+08	8,903112E+08	9,663557E+08	1,070231E+09	1,149237E+09	1,182201E+09	1,185157E+09	1,185158E+09	1,182207E+09	1,149251E+09
2336	1,070259E+09	9,663993E+08	8,903602E+08	8,903557E+08	9,663989E+08	1,070273E+09	1,149263E+09	1,182204E+09	1,185151E+09	1,185150E+09	1,182198E+09	1,149241E+09
2337	1,070238E+09	9,663665E+08	8,903306E+08	8,903357E+08	9,663723E+08	1,070240E+09	1,149246E+09	1,182202E+09	1,185151E+09	1,185152E+09	1,182204E+09	1,149242E+09
2338	1,070224E+09	9,663310E+08	8,902788E+08	8,902945E+08	9,663591E+08	1,070243E+09	1,149251E+09	1,182204E+09	1,185145E+09	1,185144E+09	1,182203E+09	1,149256E+09
2339	1,070256E+09	9,663769E+08	8,903229E+08	8,903276E+08	9,663916E+08	1,070274E+09	1,149266E+09	1,182206E+09	1,185144E+09	1,185144E+09	1,182202E+09	1,149249E+09
2340	1,070233E+09	9,663410E+08	8,902807E+08	8,902713E+08	9,663255E+08	1,070227E+09	1,149248E+09	1,182206E+09	1,185153E+09	1,185155E+09	1,182211E+09	1,149255E+09
2341	1,070240E+09	9,663463E+08	8,902894E+08	8,902867E+08	9,663383E+08	1,070239E+09	1,149266E+09	1,182216E+09	1,185149E+09	1,185141E+09	1,182196E+09	1,149251E+09
2342	1,070259E+09	9,663827E+08	8,903316E+08	8,903349E+08	9,663769E+08	1,070239E+09	1,149240E+09	1,182202E+09	1,185155E+09	1,185154E+09	1,182200E+09	1,149236E+09
2343	1,070226E+09	9,663459E+08	8,902875E+08	8,902835E+08	9,663406E+08	1,070222E+09	1,149222E+09	1,182182E+09	1,185144E+09	1,185157E+09	1,182215E+09	1,149258E+09
2344	1,070250E+09	9,663755E+08	8,903342E+08	8,903364E+08	9,663889E+08	1,070273E+09	1,149266E+09	1,182198E+09	1,185136E+09	1,185138E+09	1,182198E+09	1,149254E+09
2345	1,070257E+09	9,663817E+08	8,903426E+08	8,903492E+08	9,663870E+08	1,070253E+09	1,149257E+09	1,182208E+09	1,185148E+09	1,185142E+09	1,182193E+09	1,149241E+09
2346	1,070240E+09	9,663618E+08	8,903135E+08	8,903192E+08	9,663674E+08	1,070240E+09	1,149248E+09	1,182210E+09	1,185156E+09	1,185148E+09	1,182194E+09	1,149246E+09
2347	1,070265E+09	9,664177E+08	8,903869E+08	8,903854E+08	9,664234E+08	1,070284E+09	1,149268E+09	1,182214E+09	1,185161E+09	1,185158E+09	1,182201E+09	1,149242E+09
2348	1,070246E+09	9,663932E+08	8,903682E+08	8,903650E+08	9,663877E+08	1,070245E+09	1,149244E+09	1,182207E+09	1,185170E+09	1,185175E+09	1,182218E+09	1,149250E+09
2349	1,070247E+09	9,663861E+08	8,903608E+08	8,903667E+08	9,663989E+08	1,070262E+09	1,149261E+09	1,182212E+09	1,185161E+09	1,185161E+09	1,182210E+09	1,149261E+09
2350	1,070278E+09	9,664305E+08	8,904088E+08	8,904178E+08	9,664471E+08	1,070285E+09	1,149260E+09	1,182208E+09	1,185162E+09	1,185163E+09	1,182209E+09	1,149252E+09
2351	1,070258E+09	9,663995E+08	8,903629E+08	8,903550E+08	9,663846E+08	1,070244E+09	1,149237E+09	1,182196E+09	1,185155E+09	1,185162E+09	1,182216E+09	1,149265E+09
2352	1,070273E+09	9,664168E+08	8,903884E+08	8,903842E+08	9,664105E+08	1,070273E+09	1,149268E+09	1,182214E+09	1,185157E+09	1,185148E+09	1,182195E+09	1,149253E+09
2353	1,070276E+09	9,664274E+08	8,904004E+08	8,904002E+08	9,664181E+08	1,070258E+09	1,149250E+09	1,182210E+09	1,185162E+09	1,185157E+09	1,182196E+09	1,149234E+09
2354	1,070239E+09	9,663809E+08	8,903454E+08	8,903434E+08	9,663784E+08	1,070233E+09	1,149227E+09	1,182192E+09	1,185154E+09	1,185158E+09	1,182205E+09	1,149246E+09
2355	1,070254E+09	9,664042E+08	8,903821E+08	8,903856E+08	9,664260E+08	1,070288E+09	1,149264E+09	1,182197E+09	1,185142E+09	1,185147E+09	1,182204E+09	1,149252E+09
2356	1,070247E+09	9,663767E+08	8,903448E+08	8,903500E+08	9,663853E+08	1,070251E+09	1,149251E+09	1,182203E+09	1,185149E+09	1,185152E+09	1,182205E+09	1,149249E+09
2357	1,070241E+09	9,663564E+08	8,903055E+08	8,903079E+08	9,663600E+08	1,070245E+09	1,149260E+09	1,182213E+09	1,185149E+09	1,185138E+09	1,182191E+09	1,149249E+09
2358	1,070263E+09	9,663994E+08	8,903563E+08	8,903553E+08	9,664031E+08	1,070270E+09	1,149261E+09	1,182212E+09	1,185156E+09	1,185148E+09	1,182192E+09	1,149236E+09
2359	1,070237E+09	9,663687E+08	8,903200E+08	8,903044E+08	9,663394E+08	1,070218E+09	1,149228E+09	1,182193E+09	1,185152E+09	1,185159E+09	1,182210E+09	1,149249E+09
2360	1,070241E+09	9,663675E+08	8,903306E+08	8,903317E+08	9,663689E+08	1,070241E+09	1,149247E+09	1,182202E+09	1,185150E+09	1,185148E+09	1,182198E+09	1,149248E+09
2361	1,070257E+09	9,663934E+08	8,903590E+08	8,903685E+08	9,664078E+08	1,070258E+09	1,149245E+09	1,182198E+09	1,185150E+09	1,185152E+09	1,182201E+09	1,149239E+09
2362	1,070233E+09	9,663599E+08	8,903157E+08	8,903163E+08	9,663654E+08	1,070234E+09	1,149228E+09	1,182184E+09	1,185140E+09	1,185147E+09	1,182203E+09	1,149252E+09
2363	1,070256E+09	9,663965E+08	8,903678E+08	8,903702E+08	9,664136E+08	1,070285E+09	1,149272E+09	1,182206E+09	1,185141E+09	1,185136E+09	1,182194E+09	1,149253E+09
2364	1,070265E+09	9,664047E+08	8,903749E+08	8,903761E+08	9,664023E+08	1,070258E+09	1,149257E+09	1,182215E+09	1,185164E+09	1,185157E+09	1,182197E+09	1,149239E+09

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°
2365	1,070247E+09	9,663893E+08	8,903561E+08	8,903528E+08	9,663808E+08	1,070242E+09	1,149249E+09	1,182213E+09	1,185166E+09	1,185158E+09	1,182197E+09	1,149243E+09
2366	1,070265E+09	9,664327E+08	8,904225E+08	8,904270E+08	9,664519E+08	1,070289E+09	1,149259E+09	1,182210E+09	1,185167E+09	1,185168E+09	1,182207E+09	1,149244E+09
2367	1,070255E+09	9,664152E+08	8,903997E+08	8,903966E+08	9,664104E+08	1,070252E+09	1,149234E+09	1,182191E+09	1,185160E+09	1,185174E+09	1,182222E+09	1,149260E+09
2368	1,070264E+09	9,664119E+08	8,903952E+08	8,903999E+08	9,664205E+08	1,070267E+09	1,149254E+09	1,182206E+09	1,185158E+09	1,185155E+09	1,182204E+09	1,149260E+09
2369	1,070289E+09	9,664524E+08	8,904365E+08	8,904407E+08	9,664608E+08	1,070290E+09	1,149262E+09	1,182212E+09	1,185163E+09	1,185157E+09	1,182198E+09	1,149245E+09
2370	1,070264E+09	9,664215E+08	8,903989E+08	8,903879E+08	9,663993E+08	1,070241E+09	1,149229E+09	1,182193E+09	1,185156E+09	1,185156E+09	1,182199E+09	1,149247E+09
2371	1,070269E+09	9,664338E+08	8,904251E+08	8,904243E+08	9,664364E+08	1,070278E+09	1,149260E+09	1,182207E+09	1,185153E+09	1,185148E+09	1,182195E+09	1,149248E+09
2372	1,070272E+09	9,664357E+08	8,904236E+08	8,904291E+08	9,664429E+08	1,070270E+09	1,149247E+09	1,182205E+09	1,185164E+09	1,185164E+09	1,182202E+09	1,149236E+09
2373	1,070242E+09	9,663931E+08	8,903690E+08	8,903651E+08	9,663941E+08	1,070250E+09	1,149240E+09	1,182194E+09	1,185151E+09	1,185154E+09	1,182201E+09	1,149246E+09
2374	1,070256E+09	9,664115E+08	8,903998E+08	8,904071E+08	9,664424E+08	1,070299E+09	1,149274E+09	1,182209E+09	1,185150E+09	1,185147E+09	1,182197E+09	1,149247E+09
2375	1,070258E+09	9,664001E+08	8,903689E+08	8,903657E+08	9,663899E+08	1,070247E+09	1,149246E+09	1,182204E+09	1,185157E+09	1,185156E+09	1,182202E+09	1,149247E+09
2376	1,070251E+09	9,663825E+08	8,903409E+08	8,903363E+08	9,663696E+08	1,070235E+09	1,149244E+09	1,182212E+09	1,185163E+09	1,185151E+09	1,182191E+09	1,149243E+09
2377	1,070264E+09	9,664160E+08	8,903871E+08	8,903855E+08	9,664189E+08	1,070267E+09	1,149251E+09	1,182209E+09	1,185162E+09	1,185158E+09	1,182199E+09	1,149237E+09
2378	1,070240E+09	9,663819E+08	8,903530E+08	8,903448E+08	9,663658E+08	1,070220E+09	1,149212E+09	1,182176E+09	1,185144E+09	1,185155E+09	1,182207E+09	1,149249E+09
2379	1,070245E+09	9,663821E+08	8,903615E+08	8,903704E+08	9,664025E+08	1,070260E+09	1,149247E+09	1,182189E+09	1,185134E+09	1,185139E+09	1,182200E+09	1,149258E+09
2380	1,070270E+09	9,664127E+08	8,903850E+08	8,903939E+08	9,664290E+08	1,070274E+09	1,149253E+09	1,182201E+09	1,185147E+09	1,185147E+09	1,182196E+09	1,149241E+09
2381	1,070249E+09	9,663903E+08	8,903534E+08	8,903421E+08	9,663755E+08	1,070242E+09	1,149238E+09	1,182195E+09	1,185147E+09	1,185143E+09	1,182188E+09	1,149239E+09
2382	1,070258E+09	9,664180E+08	8,904066E+08	8,904083E+08	9,664346E+08	1,070289E+09	1,149272E+09	1,182215E+09	1,185158E+09	1,185147E+09	1,182185E+09	1,149237E+09
2383	1,070266E+09	9,664305E+08	8,904153E+08	8,904142E+08	9,664223E+08	1,070255E+09	1,149241E+09	1,182206E+09	1,185169E+09	1,185168E+09	1,182202E+09	1,149237E+09
2384	1,070249E+09	9,664084E+08	8,903942E+08	8,903954E+08	9,664092E+08	1,070245E+09	1,149233E+09	1,182204E+09	1,185171E+09	1,185167E+09	1,182204E+09	1,149246E+09
2385	1,070269E+09	9,664449E+08	8,904470E+08	8,904562E+08	9,664762E+08	1,070304E+09	1,149264E+09	1,182208E+09	1,185164E+09	1,185167E+09	1,182210E+09	1,149253E+09
2386	1,070269E+09	9,664329E+08	8,904284E+08	8,904277E+08	9,664280E+08	1,070255E+09	1,149232E+09	1,182189E+09	1,185154E+09	1,185162E+09	1,182210E+09	1,149257E+09
2387	1,070276E+09	9,664375E+08	8,904298E+08	8,904323E+08	9,664410E+08	1,070274E+09	1,149252E+09	1,182203E+09	1,185155E+09	1,185151E+09	1,182199E+09	1,149258E+09
2388	1,070297E+09	9,664770E+08	8,904699E+08	8,904674E+08	9,664735E+08	1,070293E+09	1,149259E+09	1,182212E+09	1,185170E+09	1,185164E+09	1,182197E+09	1,149239E+09
2389	1,070267E+09	9,664445E+08	8,904369E+08	8,904205E+08	9,664143E+08	1,070246E+09	1,149228E+09	1,182192E+09	1,185159E+09	1,185159E+09	1,182195E+09	1,149237E+09
2390	1,070262E+09	9,664407E+08	8,904511E+08	8,904603E+08	9,664657E+08	1,070290E+09	1,149258E+09	1,182205E+09	1,185159E+09	1,185153E+09	1,182191E+09	1,149242E+09
2391	1,070276E+09	9,664493E+08	8,904433E+08	8,904510E+08	9,664600E+08	1,070280E+09	1,149245E+09	1,182197E+09	1,185159E+09	1,185163E+09	1,182204E+09	1,149241E+09
2392	1,070253E+09	9,664110E+08	8,903928E+08	8,903881E+08	9,664057E+08	1,070251E+09	1,149238E+09	1,182200E+09	1,185159E+09	1,185153E+09	1,182196E+09	1,149244E+09
2393	1,070264E+09	9,664283E+08	8,904203E+08	8,904229E+08	9,664470E+08	1,070297E+09	1,149274E+09	1,182216E+09	1,185160E+09	1,185151E+09	1,182193E+09	1,149243E+09
2394	1,070264E+09	9,664185E+08	8,904016E+08	8,903967E+08	9,663988E+08	1,070237E+09	1,149229E+09	1,182195E+09	1,185158E+09	1,185158E+09	1,182196E+09	1,149237E+09
2395	1,070252E+09	9,664016E+08	8,903778E+08	8,903779E+08	9,663964E+08	1,070238E+09	1,149227E+09	1,182192E+09	1,185153E+09	1,185154E+09	1,182200E+09	1,149246E+09
2396	1,070266E+09	9,664306E+08	8,904147E+08	8,904173E+08	9,664445E+08	1,070281E+09	1,149246E+09	1,182196E+09	1,185156E+09	1,185160E+09	1,182204E+09	1,149244E+09
2397	1,070251E+09	9,664025E+08	8,903846E+08	8,903757E+08	9,663891E+08	1,070242E+09	1,149225E+09	1,182176E+09	1,185136E+09	1,185144E+09	1,182197E+09	1,149245E+09
2398	1,070252E+09	9,663986E+08	8,903894E+08	8,904031E+08	9,664278E+08	1,070276E+09	1,149258E+09	1,182201E+09	1,185141E+09	1,185133E+09	1,182182E+09	1,149245E+09
2399	1,070280E+09	9,664403E+08	8,904169E+08	8,904203E+08	9,664425E+08	1,070279E+09	1,149254E+09	1,182206E+09	1,185157E+09	1,185152E+09	1,182190E+09	1,149233E+09
2400	1,070254E+09	9,664166E+08	8,903947E+08	8,903807E+08	9,663918E+08	1,070238E+09	1,149231E+09	1,182201E+09	1,185166E+09	1,185157E+09	1,182189E+09	1,149230E+09

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2401	1,070254E+09	9,664316E+08	8,904363E+08	8,904411E+08	9,664528E+08	1,070290E+09	1,149265E+09	1,182215E+09	1,185170E+09	1,185162E+09	1,182196E+09	1,149240E+09
2402	1,070268E+09	9,664425E+08	8,904469E+08	8,904536E+08	9,664468E+08	1,070258E+09	1,149227E+09	1,182190E+09	1,185164E+09	1,185171E+09	1,182206E+09	1,149242E+09
2403	1,070260E+09	9,664287E+08	8,904258E+08	8,904315E+08	9,664377E+08	1,070259E+09	1,149229E+09	1,182188E+09	1,185154E+09	1,185162E+09	1,182210E+09	1,149258E+09
2404	1,070288E+09	9,664712E+08	8,904761E+08	8,904802E+08	9,664892E+08	1,070310E+09	1,149266E+09	1,182209E+09	1,185163E+09	1,185161E+09	1,182203E+09	1,149255E+09
2405	1,070287E+09	9,664683E+08	8,904699E+08	8,904578E+08	9,664399E+08	1,070260E+09	1,149234E+09	1,182191E+09	1,185155E+09	1,185154E+09	1,182190E+09	1,149240E+09
2406	1,070276E+09	9,664607E+08	8,904703E+08	8,904738E+08	9,664646E+08	1,070278E+09	1,149248E+09	1,182205E+09	1,185164E+09	1,185154E+09	1,182184E+09	1,149237E+09
2407	1,070294E+09	9,664977E+08	8,905052E+08	8,905044E+08	9,664961E+08	1,070298E+09	1,149249E+09	1,182202E+09	1,185170E+09	1,185171E+09	1,182199E+09	1,149233E+09
2408	1,070264E+09	9,664564E+08	8,904666E+08	8,904579E+08	9,664412E+08	1,070255E+09	1,149224E+09	1,182190E+09	1,185165E+09	1,185165E+09	1,182198E+09	1,149235E+09
2409	1,070259E+09	9,664434E+08	8,904627E+08	8,904792E+08	9,664836E+08	1,070306E+09	1,149269E+09	1,182212E+09	1,185164E+09	1,185158E+09	1,182195E+09	1,149246E+09
2410	1,070281E+09	9,664586E+08	8,904614E+08	8,904722E+08	9,664698E+08	1,070279E+09	1,149243E+09	1,182199E+09	1,185162E+09	1,185162E+09	1,182198E+09	1,149239E+09
2411	1,070263E+09	9,664317E+08	8,904183E+08	8,904114E+08	9,664181E+08	1,070252E+09	1,149231E+09	1,182195E+09	1,185159E+09	1,185159E+09	1,182203E+09	1,149247E+09
2412	1,070273E+09	9,664513E+08	8,904491E+08	8,904449E+08	9,664520E+08	1,070292E+09	1,149265E+09	1,182212E+09	1,185166E+09	1,185162E+09	1,182200E+09	1,149247E+09
2413	1,070273E+09	9,664432E+08	8,904375E+08	8,904286E+08	9,664143E+08	1,070238E+09	1,149220E+09	1,182185E+09	1,185153E+09	1,185157E+09	1,182194E+09	1,149234E+09
2414	1,070253E+09	9,664155E+08	8,904075E+08	8,904171E+08	9,664289E+08	1,070254E+09	1,149225E+09	1,182182E+09	1,185147E+09	1,185150E+09	1,182192E+09	1,149241E+09
2415	1,070277E+09	9,664526E+08	8,904417E+08	8,904453E+08	9,664655E+08	1,070295E+09	1,149248E+09	1,182186E+09	1,185144E+09	1,185151E+09	1,182197E+09	1,149242E+09
2416	1,070262E+09	9,664271E+08	8,904167E+08	8,904068E+08	9,664061E+08	1,070246E+09	1,149229E+09	1,182187E+09	1,185145E+09	1,185139E+09	1,182182E+09	1,149232E+09
2417	1,070254E+09	9,664175E+08	8,904162E+08	8,904280E+08	9,664406E+08	1,070281E+09	1,149265E+09	1,182214E+09	1,185158E+09	1,185141E+09	1,182175E+09	1,149231E+09
2418	1,070276E+09	9,664566E+08	8,904536E+08	8,904591E+08	9,664578E+08	1,070272E+09	1,149241E+09	1,182201E+09	1,185165E+09	1,185160E+09	1,182187E+09	1,149222E+09
2419	1,070252E+09	9,664338E+08	8,904315E+08	8,904247E+08	9,664216E+08	1,070244E+09	1,149218E+09	1,182186E+09	1,185162E+09	1,185168E+09	1,182205E+09	1,149237E+09
2420	1,070259E+09	9,664485E+08	8,904653E+08	8,904722E+08	9,664740E+08	1,070300E+09	1,149262E+09	1,182207E+09	1,185168E+09	1,185169E+09	1,182207E+09	1,149253E+09
2421	1,070284E+09	9,664683E+08	8,904800E+08	8,904833E+08	9,664668E+08	1,070272E+09	1,149233E+09	1,182187E+09	1,185157E+09	1,185163E+09	1,182200E+09	1,149242E+09
2422	1,070273E+09	9,664545E+08	8,904603E+08	8,904670E+08	9,664629E+08	1,070271E+09	1,149233E+09	1,182191E+09	1,185158E+09	1,185157E+09	1,182193E+09	1,149248E+09
2423	1,070302E+09	9,665050E+08	8,905142E+08	8,905109E+08	9,665035E+08	1,070312E+09	1,149261E+09	1,182205E+09	1,185167E+09	1,185163E+09	1,182197E+09	1,149246E+09
2424	1,070292E+09	9,664957E+08	8,905137E+08	8,905011E+08	9,664607E+08	1,070257E+09	1,149227E+09	1,182197E+09	1,185168E+09	1,185160E+09	1,182187E+09	1,149228E+09
2425	1,070269E+09	9,664710E+08	8,904976E+08	8,905088E+08	9,664898E+08	1,070285E+09	1,149247E+09	1,182207E+09	1,185173E+09	1,185165E+09	1,182190E+09	1,149234E+09
2426	1,070287E+09	9,665012E+08	8,905292E+08	8,905385E+08	9,665209E+08	1,070306E+09	1,149244E+09	1,182191E+09	1,185165E+09	1,185172E+09	1,182201E+09	1,149236E+09
2427	1,070269E+09	9,664684E+08	8,904871E+08	8,904838E+08	9,664641E+08	1,070270E+09	1,149228E+09	1,182182E+09	1,185154E+09	1,185165E+09	1,182207E+09	1,149246E+09
2428	1,070273E+09	9,664628E+08	8,904802E+08	8,904892E+08	9,664849E+08	1,070306E+09	1,149274E+09	1,182219E+09	1,185169E+09	1,185159E+09	1,182195E+09	1,149251E+09
2429	1,070298E+09	9,664882E+08	8,904925E+08	8,904914E+08	9,664744E+08	1,070277E+09	1,149239E+09	1,182199E+09	1,185166E+09	1,185161E+09	1,182188E+09	1,149229E+09
2430	1,070266E+09	9,664545E+08	8,904542E+08	8,904473E+08	9,664375E+08	1,070250E+09	1,149219E+09	1,182186E+09	1,185161E+09	1,185161E+09	1,182192E+09	1,149235E+09
2431	1,070277E+09	9,664732E+08	8,904818E+08	8,904786E+08	9,664722E+08	1,070291E+09	1,149250E+09	1,182194E+09	1,185158E+09	1,185162E+09	1,182201E+09	1,149246E+09
2432	1,070275E+09	9,664602E+08	8,904701E+08	8,904681E+08	9,664429E+08	1,070248E+09	1,149219E+09	1,182181E+09	1,185148E+09	1,185150E+09	1,182188E+09	1,149229E+09
2433	1,070252E+09	9,664245E+08	8,904259E+08	8,904415E+08	9,664501E+08	1,070270E+09	1,149239E+09	1,182191E+09	1,185149E+09	1,185146E+09	1,182185E+09	1,149235E+09
2434	1,070276E+09	9,664650E+08	8,904678E+08	8,904733E+08	9,664805E+08	1,070299E+09	1,149252E+09	1,182192E+09	1,185150E+09	1,185148E+09	1,182185E+09	1,149231E+09
2435	1,070265E+09	9,664491E+08	8,904487E+08	8,904377E+08	9,664256E+08	1,070251E+09	1,149228E+09	1,182185E+09	1,185150E+09	1,185152E+09	1,182190E+09	1,149229E+09
2436	1,070256E+09	9,664377E+08	8,904465E+08	8,904538E+08	9,664500E+08	1,070277E+09	1,149260E+09	1,182218E+09	1,185173E+09	1,185160E+09	1,182188E+09	1,149235E+09

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°
2437	1,070282E+09	9,664780E+08	8,904882E+08	8,904936E+08	9,664800E+08	1,070276E+09	1,149231E+09	1,182193E+09	1,185167E+09	1,185167E+09	1,182193E+09	1,149226E+09
2438	1,070257E+09	9,664513E+08	8,904637E+08	8,904648E+08	9,664543E+08	1,070258E+09	1,149214E+09	1,182174E+09	1,185156E+09	1,185167E+09	1,182203E+09	1,149242E+09
2439	1,070279E+09	9,664777E+08	8,904979E+08	8,905019E+08	9,664923E+08	1,070306E+09	1,149260E+09	1,182197E+09	1,185157E+09	1,185162E+09	1,182205E+09	1,149258E+09
2440	1,070303E+09	9,665027E+08	8,905220E+08	8,905204E+08	9,664847E+08	1,070272E+09	1,149233E+09	1,182194E+09	1,185161E+09	1,185154E+09	1,182184E+09	1,149231E+09
2441	1,070278E+09	9,664805E+08	8,904972E+08	8,905008E+08	9,664816E+08	1,070276E+09	1,149236E+09	1,182198E+09	1,185168E+09	1,185161E+09	1,182183E+09	1,149231E+09
2442	1,070295E+09	9,665224E+08	8,905558E+08	8,905552E+08	9,665263E+08	1,070310E+09	1,149250E+09	1,182198E+09	1,185168E+09	1,185167E+09	1,182191E+09	1,149232E+09
2443	1,070286E+09	9,665094E+08	8,905464E+08	8,905432E+08	9,664963E+08	1,070271E+09	1,149222E+09	1,182183E+09	1,185162E+09	1,185170E+09	1,182199E+09	1,149231E+09
2444	1,070269E+09	9,664803E+08	8,905170E+08	8,905314E+08	9,665097E+08	1,070300E+09	1,149255E+09	1,182209E+09	1,185175E+09	1,185171E+09	1,182199E+09	1,149244E+09
2445	1,070297E+09	9,665172E+08	8,905493E+08	8,905566E+08	9,665351E+08	1,070317E+09	1,149251E+09	1,182196E+09	1,185164E+09	1,185167E+09	1,182196E+09	1,149236E+09
2446	1,070279E+09	9,664877E+08	8,905113E+08	8,905063E+08	9,664790E+08	1,070275E+09	1,149231E+09	1,182188E+09	1,185161E+09	1,185164E+09	1,182196E+09	1,149241E+09
2447	1,070288E+09	9,664919E+08	8,905114E+08	8,905092E+08	9,664875E+08	1,070296E+09	1,149262E+09	1,182212E+09	1,185172E+09	1,185165E+09	1,182195E+09	1,149248E+09
2448	1,070304E+09	9,665136E+08	8,905308E+08	8,905255E+08	9,664858E+08	1,070264E+09	1,149225E+09	1,182198E+09	1,185171E+09	1,185164E+09	1,182185E+09	1,149221E+09
2449	1,070262E+09	9,664661E+08	8,904807E+08	8,904792E+08	9,664620E+08	1,070256E+09	1,149213E+09	1,182179E+09	1,185160E+09	1,185164E+09	1,182193E+09	1,149231E+09
2450	1,070272E+09	9,664806E+08	8,905083E+08	8,905124E+08	9,664974E+08	1,070300E+09	1,149243E+09	1,182179E+09	1,185144E+09	1,185153E+09	1,182195E+09	1,149244E+09
2451	1,070281E+09	9,664758E+08	8,904945E+08	8,904975E+08	9,664701E+08	1,070264E+09	1,149225E+09	1,182175E+09	1,185137E+09	1,185144E+09	1,182187E+09	1,149229E+09
2452	1,070260E+09	9,664446E+08	8,904500E+08	8,904588E+08	9,664583E+08	1,070274E+09	1,149247E+09	1,182204E+09	1,185160E+09	1,185149E+09	1,182180E+09	1,149230E+09
2453	1,070281E+09	9,664883E+08	8,905006E+08	8,904992E+08	9,664934E+08	1,070300E+09	1,149249E+09	1,182196E+09	1,185159E+09	1,185153E+09	1,182178E+09	1,149218E+09
2454	1,070262E+09	9,664678E+08	8,904854E+08	8,904775E+08	9,664520E+08	1,070255E+09	1,149220E+09	1,182182E+09	1,185158E+09	1,185161E+09	1,182188E+09	1,149224E+09
2455	1,070261E+09	9,664589E+08	8,904804E+08	8,904877E+08	9,664717E+08	1,070278E+09	1,149246E+09	1,182203E+09	1,185169E+09	1,185168E+09	1,182199E+09	1,149245E+09
2456	1,070292E+09	9,664998E+08	8,905238E+08	8,905317E+08	9,665052E+08	1,070282E+09	1,149231E+09	1,182192E+09	1,185164E+09	1,185164E+09	1,182193E+09	1,149230E+09
2457	1,070267E+09	9,664710E+08	8,904923E+08	8,904953E+08	9,664779E+08	1,070271E+09	1,149223E+09	1,182180E+09	1,185157E+09	1,185163E+09	1,182196E+09	1,149240E+09
2458	1,070286E+09	9,665015E+08	8,905357E+08	8,905373E+08	9,665112E+08	1,070307E+09	1,149256E+09	1,182196E+09	1,185157E+09	1,185157E+09	1,182193E+09	1,149250E+09
2459	1,070311E+09	9,665317E+08	8,905641E+08	8,905606E+08	9,665115E+08	1,070280E+09	1,149231E+09	1,182189E+09	1,185161E+09	1,185162E+09	1,182187E+09	1,149225E+09
2460	1,070279E+09	9,665020E+08	8,905334E+08	8,905329E+08	9,664978E+08	1,070277E+09	1,149234E+09	1,182203E+09	1,185180E+09	1,185173E+09	1,182191E+09	1,149231E+09
2461	1,070295E+09	9,665379E+08	8,905868E+08	8,905899E+08	9,665547E+08	1,070322E+09	1,149246E+09	1,182192E+09	1,185169E+09	1,185171E+09	1,182192E+09	1,149232E+09
2462	1,070288E+09	9,665221E+08	8,905724E+08	8,905756E+08	9,665268E+08	1,070289E+09	1,149226E+09	1,182179E+09	1,185159E+09	1,185167E+09	1,182194E+09	1,149234E+09
2463	1,070284E+09	9,665017E+08	8,905394E+08	8,905474E+08	9,665173E+08	1,070301E+09	1,149255E+09	1,182208E+09	1,185173E+09	1,185168E+09	1,182198E+09	1,149250E+09
2464	1,070313E+09	9,665444E+08	8,905815E+08	8,905806E+08	9,665414E+08	1,070308E+09	1,149249E+09	1,182206E+09	1,185172E+09	1,185163E+09	1,182184E+09	1,149227E+09
2465	1,070282E+09	9,665079E+08	8,905421E+08	8,905323E+08	9,664892E+08	1,070270E+09	1,149224E+09	1,182189E+09	1,185169E+09	1,185169E+09	1,182190E+09	1,149229E+09
2466	1,070280E+09	9,665063E+08	8,905487E+08	8,905472E+08	9,665049E+08	1,070287E+09	1,149241E+09	1,182195E+09	1,185165E+09	1,185165E+09	1,182193E+09	1,149241E+09
2467	1,070302E+09	9,665268E+08	8,905617E+08	8,905638E+08	9,665196E+08	1,070277E+09	1,149216E+09	1,182176E+09	1,185157E+09	1,185166E+09	1,182193E+09	1,149223E+09
2468	1,070263E+09	9,664761E+08	8,905012E+08	8,905008E+08	9,664817E+08	1,070271E+09	1,149222E+09	1,182181E+09	1,185158E+09	1,185162E+09	1,182194E+09	1,149236E+09
2469	1,070279E+09	9,664946E+08	8,905283E+08	8,905333E+08	9,665180E+08	1,070314E+09	1,149252E+09	1,182186E+09	1,185144E+09	1,185144E+09	1,182182E+09	1,149236E+09
2470	1,070286E+09	9,664941E+08	8,905209E+08	8,905229E+08	9,664910E+08	1,070275E+09	1,149233E+09	1,182186E+09	1,185149E+09	1,185144E+09	1,182174E+09	1,149221E+09
2471	1,070269E+09	9,664686E+08	8,904815E+08	8,904809E+08	9,664647E+08	1,070268E+09	1,149242E+09	1,182207E+09	1,185171E+09	1,185162E+09	1,182186E+09	1,149231E+09
2472	1,070286E+09	9,665093E+08	8,905382E+08	8,905349E+08	9,665085E+08	1,070291E+09	1,149240E+09	1,182201E+09	1,185169E+09	1,185163E+09	1,182184E+09	1,149219E+09

	1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot													
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°	
2473	1,070262E+09	9,664798E+08	8,905139E+08	8,905115E+08	9,664785E+08	1,070263E+09	1,149214E+09	1,182176E+09	1,185161E+09	1,185170E+09	1,182197E+09	1,149229E+09	
2474	1,070265E+09	9,664751E+08	8,905143E+08	8,905232E+08	9,664947E+08	1,070283E+09	1,149237E+09	1,182187E+09	1,185155E+09	1,185161E+09	1,182198E+09	1,149252E+09	
2475	1,070309E+09	9,665275E+08	8,905587E+08	8,905644E+08	9,665304E+08	1,070294E+09	1,149232E+09	1,182183E+09	1,185154E+09	1,185159E+09	1,182190E+09	1,149232E+09	
2476	1,070283E+09	9,665025E+08	8,905305E+08	8,905232E+08	9,664908E+08	1,070274E+09	1,149226E+09	1,182190E+09	1,185166E+09	1,185162E+09	1,182187E+09	1,149234E+09	
2477	1,070295E+09	9,665309E+08	8,905777E+08	8,905753E+08	9,665341E+08	1,070310E+09	1,149248E+09	1,182194E+09	1,185161E+09	1,185155E+09	1,182179E+09	1,149232E+09	
2478	1,070306E+09	9,665513E+08	8,906051E+08	8,906067E+08	9,665466E+08	1,070292E+09	1,149227E+09	1,182186E+09	1,185165E+09	1,185164E+09	1,182180E+09	1,149217E+09	
2479	1,070280E+09	9,665183E+08	8,905662E+08	8,905671E+08	9,665227E+08	1,070286E+09	1,149230E+09	1,182194E+09	1,185178E+09	1,185179E+09	1,182198E+09	1,149236E+09	
2480	1,070299E+09	9,665510E+08	8,906147E+08	8,906203E+08	9,665740E+08	1,070329E+09	1,149253E+09	1,182200E+09	1,185171E+09	1,185168E+09	1,182190E+09	1,149232E+09	
2481	1,070293E+09	9,665348E+08	8,905929E+08	8,905969E+08	9,665427E+08	1,070299E+09	1,149234E+09	1,182190E+09	1,185170E+09	1,185171E+09	1,182191E+09	1,149231E+09	
2482	1,070288E+09	9,665212E+08	8,905708E+08	8,905720E+08	9,665249E+08	1,070293E+09	1,149242E+09	1,182203E+09	1,185176E+09	1,185170E+09	1,182193E+09	1,149246E+09	
2483	1,070322E+09	9,665685E+08	8,906160E+08	8,906106E+08	9,665571E+08	1,070306E+09	1,149236E+09	1,182193E+09	1,185172E+09	1,185173E+09	1,182191E+09	1,149226E+09	
2484	1,070285E+09	9,665254E+08	8,905732E+08	8,905610E+08	9,665032E+08	1,070267E+09	1,149214E+09	1,182184E+09	1,185172E+09	1,185175E+09	1,182196E+09	1,149232E+09	
2485	1,070284E+09	9,665186E+08	8,905737E+08	8,905788E+08	9,665342E+08	1,070298E+09	1,149231E+09	1,182180E+09	1,185154E+09	1,185158E+09	1,182188E+09	1,149240E+09	
2486	1,070305E+09	9,665387E+08	8,905850E+08	8,905933E+08	9,665506E+08	1,070300E+09	1,149225E+09	1,182173E+09	1,185147E+09	1,185152E+09	1,182180E+09	1,149223E+09	
2487	1,070277E+09	9,664965E+08	8,905249E+08	8,905180E+08	9,664909E+08	1,070277E+09	1,149228E+09	1,182187E+09	1,185158E+09	1,185157E+09	1,182186E+09	1,149234E+09	
2488	1,070289E+09	9,665167E+08	8,905595E+08	8,905578E+08	9,665257E+08	1,070311E+09	1,149256E+09	1,182203E+09	1,185159E+09	1,185145E+09	1,182169E+09	1,149221E+09	
2489	1,070284E+09	9,665101E+08	8,905514E+08	8,905515E+08	9,665056E+08	1,070276E+09	1,149229E+09	1,182193E+09	1,185166E+09	1,185158E+09	1,182174E+09	1,149209E+09	
2490	1,070260E+09	9,664814E+08	8,905174E+08	8,905177E+08	9,664828E+08	1,070262E+09	1,149222E+09	1,182193E+09	1,185171E+09	1,185170E+09	1,182192E+09	1,149233E+09	
2491	1,070291E+09	9,665256E+08	8,905701E+08	8,905717E+08	9,665386E+08	1,070303E+09	1,149231E+09	1,182182E+09	1,185161E+09	1,185171E+09	1,182196E+09	1,149229E+09	
2492	1,070273E+09	9,664979E+08	8,905417E+08	8,905376E+08	9,664956E+08	1,070272E+09	1,149218E+09	1,182177E+09	1,185159E+09	1,185169E+09	1,182199E+09	1,149238E+09	
2493	1,070282E+09	9,665004E+08	8,905455E+08	8,905538E+08	9,665186E+08	1,070293E+09	1,149236E+09	1,182186E+09	1,185153E+09	1,185152E+09	1,182184E+09	1,149245E+09	
2494	1,070320E+09	9,665576E+08	8,905995E+08	8,906015E+08	9,665570E+08	1,070307E+09	1,149233E+09	1,182185E+09	1,185158E+09	1,185154E+09	1,182174E+09	1,149221E+09	
2495	1,070292E+09	9,665315E+08	8,905732E+08	8,905577E+08	9,665050E+08	1,070272E+09	1,149220E+09	1,182190E+09	1,185174E+09	1,185171E+09	1,182187E+09	1,149228E+09	
2496	1,070295E+09	9,665505E+08	8,906186E+08	8,906188E+08	9,665583E+08	1,070310E+09	1,149244E+09	1,182200E+09	1,185170E+09	1,185161E+09	1,182177E+09	1,149225E+09	
2497	1,070301E+09	9,665600E+08	8,906325E+08	8,906427E+08	9,665776E+08	1,070308E+09	1,149227E+09	1,182185E+09	1,185171E+09	1,185173E+09	1,182185E+09	1,149216E+09	
2498	1,070278E+09	9,665296E+08	8,905945E+08	8,905965E+08	9,665410E+08	1,070293E+09	1,149227E+09	1,182187E+09	1,185171E+09	1,185176E+09	1,182199E+09	1,149243E+09	
2499	1,070314E+09	9,665730E+08	8,906420E+08	8,906449E+08	9,665898E+08	1,070336E+09	1,149252E+09	1,182195E+09	1,185169E+09	1,185170E+09	1,182190E+09	1,149234E+09	
2500	1,070306E+09	9,665600E+08	8,906230E+08	8,906170E+08	9,665463E+08	1,070293E+09	1,149230E+09	1,182196E+09	1,185180E+09	1,185177E+09	1,182188E+09	1,149228E+09	
2501	1,070297E+09	9,665450E+08	8,906043E+08	8,906044E+08	9,665435E+08	1,070289E+09	1,149224E+09	1,182191E+09	1,185174E+09	1,185170E+09	1,182185E+09	1,149235E+09	
2502	1,070321E+09	9,665865E+08	8,906502E+08	8,906493E+08	9,665870E+08	1,070317E+09	1,149227E+09	1,182181E+09	1,185166E+09	1,185168E+09	1,182185E+09	1,149224E+09	
2503	1,070290E+09	9,665400E+08	8,906007E+08	8,905904E+08	9,665245E+08	1,070277E+09	1,149212E+09	1,182175E+09	1,185164E+09	1,185172E+09	1,182197E+09	1,149236E+09	
2504	1,070291E+09	9,665319E+08	8,905982E+08	8,906061E+08	9,665520E+08	1,070309E+09	1,149244E+09	1,182191E+09	1,185153E+09	1,185147E+09	1,182175E+09	1,149232E+09	
2505	1,070308E+09	9,665501E+08	8,906041E+08	8,906140E+08	9,665674E+08	1,070315E+09	1,149238E+09	1,182188E+09	1,185160E+09	1,185154E+09	1,182171E+09	1,149211E+09	
2506	1,070275E+09	9,665132E+08	8,905553E+08	8,905418E+08	9,664974E+08	1,070273E+09	1,149222E+09	1,182188E+09	1,185167E+09	1,185164E+09	1,182184E+09	1,149228E+09	
2507	1,070292E+09	9,665354E+08	8,905898E+08	8,905859E+08	9,665384E+08	1,070309E+09	1,149246E+09	1,182196E+09	1,185168E+09	1,185165E+09	1,182180E+09	1,149221E+09	
2508	1,070285E+09	9,665248E+08	8,905799E+08	8,905795E+08	9,665194E+08	1,070274E+09	1,149219E+09	1,182191E+09	1,185176E+09	1,185174E+09	1,182188E+09	1,149219E+09	

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2509	1,070270E+09	9,664970E+08	8,905436E+08	8,905513E+08	9,665115E+08	1,070269E+09	1,149205E+09	1,182173E+09	1,185160E+09	1,185166E+09	1,182192E+09	1,149238E+09
2510	1,070304E+09	9,665477E+08	8,906003E+08	8,906042E+08	9,665650E+08	1,070319E+09	1,149234E+09	1,182175E+09	1,185149E+09	1,185154E+09	1,182185E+09	1,149234E+09
2511	1,070295E+09	9,665293E+08	8,905785E+08	8,905669E+08	9,665090E+08	1,070276E+09	1,149218E+09	1,182178E+09	1,185157E+09	1,185160E+09	1,182187E+09	1,149234E+09
2512	1,070295E+09	9,665322E+08	8,905905E+08	8,905920E+08	9,665334E+08	1,070292E+09	1,149237E+09	1,182195E+09	1,185160E+09	1,185147E+09	1,182165E+09	1,149224E+09
2513	1,070316E+09	9,665779E+08	8,906401E+08	8,906441E+08	9,665840E+08	1,070317E+09	1,149232E+09	1,182189E+09	1,185170E+09	1,185164E+09	1,182169E+09	1,149203E+09
2514	1,070279E+09	9,665455E+08	8,906139E+08	8,906028E+08	9,665329E+08	1,070277E+09	1,149208E+09	1,182178E+09	1,185173E+09	1,185178E+09	1,182191E+09	1,149226E+09
2515	1,070295E+09	9,665618E+08	8,906463E+08	8,906552E+08	9,665902E+08	1,070329E+09	1,149244E+09	1,182190E+09	1,185170E+09	1,185172E+09	1,182187E+09	1,149230E+09
2516	1,070308E+09	9,665730E+08	8,906543E+08	8,906653E+08	9,665927E+08	1,070319E+09	1,149237E+09	1,182195E+09	1,185180E+09	1,185178E+09	1,182189E+09	1,149225E+09
2517	1,070294E+09	9,665504E+08	8,906178E+08	8,906209E+08	9,665584E+08	1,070296E+09	1,149222E+09	1,182186E+09	1,185174E+09	1,185174E+09	1,182191E+09	1,149240E+09
2518	1,070327E+09	9,666011E+08	8,906762E+08	8,906732E+08	9,666045E+08	1,070340E+09	1,149251E+09	1,182196E+09	1,185173E+09	1,185168E+09	1,182183E+09	1,149233E+09
2519	1,070319E+09	9,665878E+08	8,906610E+08	8,906476E+08	9,665547E+08	1,070285E+09	1,149218E+09	1,182189E+09	1,185183E+09	1,185183E+09	1,182192E+09	1,149229E+09
2520	1,070302E+09	9,665655E+08	8,906405E+08	8,906428E+08	9,665639E+08	1,070289E+09	1,149217E+09	1,182186E+09	1,185173E+09	1,185169E+09	1,182181E+09	1,149228E+09
2521	1,070319E+09	9,665965E+08	8,906741E+08	8,906808E+08	9,666160E+08	1,070337E+09	1,149230E+09	1,182175E+09	1,185163E+09	1,185168E+09	1,182181E+09	1,149217E+09
2522	1,070288E+09	9,665526E+08	8,906258E+08	8,906158E+08	9,665401E+08	1,070286E+09	1,149214E+09	1,182171E+09	1,185156E+09	1,185164E+09	1,182189E+09	1,149234E+09
2523	1,070300E+09	9,665505E+08	8,906211E+08	8,906285E+08	9,665663E+08	1,070317E+09	1,149248E+09	1,182194E+09	1,185161E+09	1,185152E+09	1,182169E+09	1,149224E+09
2524	1,070311E+09	9,665680E+08	8,906301E+08	8,906339E+08	9,665704E+08	1,070309E+09	1,149236E+09	1,182198E+09	1,185178E+09	1,185167E+09	1,182170E+09	1,149205E+09
2525	1,070276E+09	9,665282E+08	8,905823E+08	8,905739E+08	9,665162E+08	1,070269E+09	1,149204E+09	1,182177E+09	1,185170E+09	1,185172E+09	1,182185E+09	1,149222E+09
2526	1,070292E+09	9,665513E+08	8,906201E+08	8,906215E+08	9,665645E+08	1,070318E+09	1,149237E+09	1,182183E+09	1,185161E+09	1,185162E+09	1,182183E+09	1,149228E+09
2527	1,070296E+09	9,665422E+08	8,906068E+08	8,906071E+08	9,665363E+08	1,070280E+09	1,149214E+09	1,182178E+09	1,185168E+09	1,185174E+09	1,182193E+09	1,149229E+09
2528	1,070285E+09	9,665199E+08	8,905748E+08	8,905831E+08	9,665296E+08	1,070278E+09	1,149213E+09	1,182177E+09	1,185156E+09	1,185155E+09	1,182178E+09	1,149232E+09
2529	1,070314E+09	9,665712E+08	8,906319E+08	8,906355E+08	9,665867E+08	1,070332E+09	1,149240E+09	1,182182E+09	1,185157E+09	1,185154E+09	1,182172E+09	1,149218E+09
2530	1,070295E+09	9,665555E+08	8,906210E+08	8,906044E+08	9,665249E+08	1,070276E+09	1,149212E+09	1,182175E+09	1,185161E+09	1,185162E+09	1,182180E+09	1,149224E+09
2531	1,070296E+09	9,665548E+08	8,906299E+08	8,906337E+08	9,665585E+08	1,070298E+09	1,149230E+09	1,182190E+09	1,185169E+09	1,185162E+09	1,182169E+09	1,149216E+09
2532	1,070311E+09	9,665904E+08	8,906711E+08	8,906798E+08	9,666071E+08	1,070324E+09	1,149230E+09	1,182190E+09	1,185181E+09	1,185178E+09	1,182180E+09	1,149208E+09
2533	1,070283E+09	9,665571E+08	8,906369E+08	8,906374E+08	9,665643E+08	1,070291E+09	1,149203E+09	1,182166E+09	1,185167E+09	1,185178E+09	1,182193E+09	1,149231E+09
2534	1,070308E+09	9,665834E+08	8,906723E+08	8,906814E+08	9,666106E+08	1,070344E+09	1,149253E+09	1,182191E+09	1,185165E+09	1,185162E+09	1,182182E+09	1,149239E+09
2535	1,070330E+09	9,666035E+08	8,906866E+08	8,906878E+08	9,665976E+08	1,070314E+09	1,149234E+09	1,182198E+09	1,185186E+09	1,185180E+09	1,182186E+09	1,149226E+09
2536	1,070310E+09	9,665839E+08	8,906601E+08	8,906551E+08	9,665675E+08	1,070288E+09	1,149215E+09	1,182188E+09	1,185179E+09	1,185173E+09	1,182179E+09	1,149226E+09
2537	1,070326E+09	9,666227E+08	8,907144E+08	8,907127E+08	9,666272E+08	1,070343E+09	1,149242E+09	1,182190E+09	1,185178E+09	1,185175E+09	1,182180E+09	1,149219E+09
2538	1,070310E+09	9,666036E+08	8,906987E+08	8,906890E+08	9,665809E+08	1,070289E+09	1,149205E+09	1,182171E+09	1,185172E+09	1,185181E+09	1,182192E+09	1,149227E+09
2539	1,070304E+09	9,665780E+08	8,906658E+08	8,906752E+08	9,665916E+08	1,070307E+09	1,149218E+09	1,182176E+09	1,185167E+09	1,185171E+09	1,182180E+09	1,149226E+09
2540	1,070321E+09	9,666069E+08	8,906921E+08	8,907005E+08	9,666301E+08	1,070349E+09	1,149244E+09	1,182188E+09	1,185172E+09	1,185170E+09	1,182179E+09	1,149217E+09
2541	1,070296E+09	9,665673E+08	8,906436E+08	8,906383E+08	9,665580E+08	1,070291E+09	1,149211E+09	1,182171E+09	1,185162E+09	1,185164E+09	1,182180E+09	1,149225E+09
2542	1,070304E+09	9,665696E+08	8,906458E+08	8,906500E+08	9,665775E+08	1,070320E+09	1,149248E+09	1,182197E+09	1,185167E+09	1,185155E+09	1,182168E+09	1,149223E+09
2543	1,070316E+09	9,665862E+08	8,906587E+08	8,906600E+08	9,665775E+08	1,070299E+09	1,149225E+09	1,182195E+09	1,185185E+09	1,185180E+09	1,182182E+09	1,149211E+09
2544	1,070282E+09	9,665456E+08	8,906126E+08	8,906074E+08	9,665340E+08	1,070268E+09	1,149195E+09	1,182167E+09	1,185166E+09	1,185173E+09	1,182186E+09	1,149223E+09

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												
2545	1,070297E+09	9,665657E+08	8,906455E+08	8,906516E+08	9,665889E+08	1,070333E+09	1,149239E+09	1,182174E+09	1,185155E+09	1,185161E+09	1,182182E+09	1,149227E+09
2546	1,070303E+09	9,665662E+08	8,906399E+08	8,906368E+08	9,665525E+08	1,070285E+09	1,149212E+09	1,182169E+09	1,185154E+09	1,185160E+09	1,182183E+09	1,149228E+09
2547	1,070300E+09	9,665500E+08	8,906106E+08	8,906154E+08	9,665487E+08	1,070285E+09	1,149212E+09	1,182175E+09	1,185161E+09	1,185155E+09	1,182165E+09	1,149217E+09
2548	1,070315E+09	9,665955E+08	8,906692E+08	8,906688E+08	9,666015E+08	1,070334E+09	1,149241E+09	1,182190E+09	1,185172E+09	1,185163E+09	1,182167E+09	1,149206E+09
2549	1,070292E+09	9,665722E+08	8,906547E+08	8,906489E+08	9,665573E+08	1,070280E+09	1,149201E+09	1,182166E+09	1,185164E+09	1,185168E+09	1,182178E+09	1,149214E+09
2550	1,070293E+09	9,665700E+08	8,906612E+08	8,906727E+08	9,665916E+08	1,070316E+09	1,149233E+09	1,182186E+09	1,185167E+09	1,185162E+09	1,182174E+09	1,149223E+09
2551	1,070318E+09	9,666058E+08	8,906983E+08	8,907092E+08	9,666259E+08	1,070333E+09	1,149235E+09	1,182191E+09	1,185183E+09	1,185184E+09	1,182188E+09	1,149219E+09
2552	1,070300E+09	9,665809E+08	8,906678E+08	8,906666E+08	9,665789E+08	1,070297E+09	1,149212E+09	1,182175E+09	1,185171E+09	1,185176E+09	1,182186E+09	1,149229E+09
2553	1,070320E+09	9,666103E+08	8,907056E+08	8,907098E+08	9,666258E+08	1,070349E+09	1,149254E+09	1,182198E+09	1,185177E+09	1,185170E+09	1,182178E+09	1,149228E+09
2554	1,070334E+09	9,666343E+08	8,907295E+08	8,907210E+08	9,666084E+08	1,070306E+09	1,149220E+09	1,182189E+09	1,185187E+09	1,185185E+09	1,182187E+09	1,149224E+09
2555	1,070317E+09	9,666100E+08	8,907008E+08	8,906966E+08	9,665923E+08	1,070289E+09	1,149200E+09	1,182175E+09	1,185183E+09	1,185184E+09	1,182183E+09	1,149222E+09
2556	1,070325E+09	9,666359E+08	8,907436E+08	8,907473E+08	9,666513E+08	1,070349E+09	1,149236E+09	1,182182E+09	1,185178E+09	1,185180E+09	1,182185E+09	1,149222E+09
2557	1,070314E+09	9,666117E+08	8,907169E+08	8,907211E+08	9,666132E+08	1,070305E+09	1,149204E+09	1,182159E+09	1,185158E+09	1,185170E+09	1,182185E+09	1,149225E+09
2558	1,070311E+09	9,665954E+08	8,906871E+08	8,906968E+08	9,666111E+08	1,070324E+09	1,149233E+09	1,182182E+09	1,185160E+09	1,185154E+09	1,182169E+09	1,149225E+09
2559	1,070330E+09	9,666266E+08	8,907162E+08	8,907170E+08	9,666324E+08	1,070344E+09	1,149245E+09	1,182196E+09	1,185182E+09	1,185173E+09	1,182174E+09	1,149211E+09
2560	1,070302E+09	9,665898E+08	8,906755E+08	8,906642E+08	9,665650E+08	1,070285E+09	1,149209E+09	1,182175E+09	1,185170E+09	1,185169E+09	1,182173E+09	1,149211E+09
2561	1,070299E+09	9,665840E+08	8,906747E+08	8,906804E+08	9,665959E+08	1,070321E+09	1,149239E+09	1,182192E+09	1,185174E+09	1,185167E+09	1,182172E+09	1,149215E+09
2562	1,070310E+09	9,666003E+08	8,906881E+08	8,906905E+08	9,665968E+08	1,070300E+09	1,149211E+09	1,182177E+09	1,185175E+09	1,185180E+09	1,182188E+09	1,149218E+09
2563	1,070291E+09	9,665631E+08	8,906391E+08	8,906377E+08	9,665584E+08	1,070280E+09	1,149193E+09	1,182157E+09	1,185160E+09	1,185171E+09	1,182184E+09	1,149224E+09
2564	1,070305E+09	9,665839E+08	8,906705E+08	8,906755E+08	9,666033E+08	1,070338E+09	1,149246E+09	1,182182E+09	1,185159E+09	1,185159E+09	1,182176E+09	1,149225E+09
2565	1,070313E+09	9,665877E+08	8,906684E+08	8,906694E+08	9,665767E+08	1,070290E+09	1,149209E+09	1,182167E+09	1,185155E+09	1,185156E+09	1,182170E+09	1,149216E+09
2566	1,070304E+09	9,665766E+08	8,906485E+08	8,906496E+08	9,665691E+08	1,070293E+09	1,149216E+09	1,182179E+09	1,185164E+09	1,185155E+09	1,182162E+09	1,149212E+09
2567	1,070315E+09	9,666142E+08	8,907054E+08	8,907052E+08	9,666200E+08	1,070331E+09	1,149234E+09	1,182191E+09	1,185182E+09	1,185178E+09	1,182176E+09	1,149209E+09
2568	1,070296E+09	9,665903E+08	8,906886E+08	8,906871E+08	9,665844E+08	1,070290E+09	1,149200E+09	1,182162E+09	1,185165E+09	1,185173E+09	1,182180E+09	1,149214E+09
2569	1,070297E+09	9,665858E+08	8,906877E+08	8,907025E+08	9,666170E+08	1,070332E+09	1,149240E+09	1,182187E+09	1,185169E+09	1,185167E+09	1,182177E+09	1,149224E+09
2570	1,070327E+09	9,666323E+08	8,907325E+08	8,907370E+08	9,666392E+08	1,070333E+09	1,149232E+09	1,182188E+09	1,185180E+09	1,185179E+09	1,182186E+09	1,149224E+09
2571	1,070317E+09	9,666146E+08	8,907087E+08	8,907002E+08	9,665943E+08	1,070294E+09	1,149202E+09	1,182172E+09	1,185179E+09	1,185181E+09	1,182179E+09	1,149220E+09
2572	1,070325E+09	9,666367E+08	8,907464E+08	8,907459E+08	9,666406E+08	1,070343E+09	1,149245E+09	1,182196E+09	1,185186E+09	1,185180E+09	1,182179E+09	1,149222E+09
2573	1,070334E+09	9,666516E+08	8,907646E+08	8,907672E+08	9,666437E+08	1,070311E+09	1,149202E+09	1,182168E+09	1,185176E+09	1,185182E+09	1,182182E+09	1,149216E+09
2574	1,070316E+09	9,666256E+08	8,907313E+08	8,907326E+08	9,666254E+08	1,070310E+09	1,149203E+09	1,182165E+09	1,185168E+09	1,185173E+09	1,182180E+09	1,149226E+09
2575	1,070329E+09	9,666473E+08	8,907662E+08	8,907724E+08	9,666700E+08	1,070361E+09	1,149245E+09	1,182187E+09	1,185176E+09	1,185176E+09	1,182183E+09	1,149226E+09
2576	1,070325E+09	9,666302E+08	8,907404E+08	8,907428E+08	9,666273E+08	1,070314E+09	1,149217E+09	1,182171E+09	1,185163E+09	1,185164E+09	1,182171E+09	1,149215E+09
2577	1,070313E+09	9,666127E+08	8,907110E+08	8,907155E+08	9,666222E+08	1,070329E+09	1,149240E+09	1,182195E+09	1,185177E+09	1,185165E+09	1,182164E+09	1,149211E+09
2578	1,070326E+09	9,666458E+08	8,907477E+08	8,907403E+08	9,666378E+08	1,070334E+09	1,149233E+09	1,182192E+09	1,185186E+09	1,185182E+09	1,182180E+09	1,149212E+09
2579	1,070304E+09	9,666071E+08	8,907063E+08	8,906955E+08	9,665827E+08	1,070280E+09	1,149191E+09	1,182165E+09	1,185177E+09	1,185183E+09	1,182181E+09	1,149212E+09
2580	1,070299E+09	9,665944E+08	8,906980E+08	8,907066E+08	9,666141E+08	1,070323E+09	1,149231E+09	1,182183E+09	1,185173E+09	1,185174E+09	1,182182E+09	1,149225E+09

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°
2581	1,070320E+09	9,666125E+08	8,907078E+08	8,907185E+08	9,666226E+08	1,070309E+09	1,149206E+09	1,182162E+09	1,185158E+09	1,185166E+09	1,182181E+09	1,149220E+09
2582	1,070306E+09	9,665891E+08	8,906690E+08	8,906630E+08	9,665773E+08	1,070292E+09	1,149202E+09	1,182160E+09	1,185150E+09	1,185152E+09	1,182171E+09	1,149223E+09
2583	1,070316E+09	9,666106E+08	8,907062E+08	8,907037E+08	9,666137E+08	1,070334E+09	1,149243E+09	1,182189E+09	1,185168E+09	1,185160E+09	1,182167E+09	1,149217E+09
2584	1,070318E+09	9,666136E+08	8,907095E+08	8,907074E+08	9,665973E+08	1,070293E+09	1,149208E+09	1,182169E+09	1,185162E+09	1,185160E+09	1,182161E+09	1,149198E+09
2585	1,070295E+09	9,665918E+08	8,906851E+08	8,906898E+08	9,665995E+08	1,070304E+09	1,149215E+09	1,182179E+09	1,185173E+09	1,185168E+09	1,182166E+09	1,149202E+09
2586	1,070307E+09	9,666273E+08	8,907369E+08	8,907390E+08	9,666448E+08	1,070340E+09	1,149230E+09	1,182181E+09	1,185178E+09	1,185182E+09	1,182185E+09	1,149218E+09
2587	1,070307E+09	9,666095E+08	8,907184E+08	8,907192E+08	9,666100E+08	1,070302E+09	1,149201E+09	1,182164E+09	1,185172E+09	1,185179E+09	1,182182E+09	1,149218E+09
2588	1,070309E+09	9,666077E+08	8,907167E+08	8,907278E+08	9,666304E+08	1,070333E+09	1,149241E+09	1,182194E+09	1,185180E+09	1,185173E+09	1,182178E+09	1,149227E+09
2589	1,070341E+09	9,666560E+08	8,907645E+08	8,907698E+08	9,666590E+08	1,070332E+09	1,149221E+09	1,182181E+09	1,185179E+09	1,185179E+09	1,182179E+09	1,149219E+09
2590	1,070326E+09	9,666450E+08	8,907521E+08	8,907384E+08	9,666157E+08	1,070299E+09	1,149199E+09	1,182167E+09	1,185173E+09	1,185176E+09	1,182179E+09	1,149221E+09
2591	1,070328E+09	9,666570E+08	8,907844E+08	8,907845E+08	9,666616E+08	1,070340E+09	1,149232E+09	1,182188E+09	1,185186E+09	1,185185E+09	1,182183E+09	1,149225E+09
2592	1,070341E+09	9,666699E+08	8,907965E+08	8,908024E+08	9,666731E+08	1,070328E+09	1,149206E+09	1,182160E+09	1,185167E+09	1,185175E+09	1,182175E+09	1,149211E+09
2593	1,070318E+09	9,666406E+08	8,907570E+08	8,907590E+08	9,666499E+08	1,070330E+09	1,149217E+09	1,182171E+09	1,185168E+09	1,185168E+09	1,182171E+09	1,149215E+09
2594	1,070331E+09	9,666669E+08	8,907927E+08	8,907921E+08	9,666789E+08	1,070362E+09	1,149247E+09	1,182192E+09	1,185179E+09	1,185171E+09	1,182173E+09	1,149221E+09
2595	1,070333E+09	9,666536E+08	8,907722E+08	8,907683E+08	9,666382E+08	1,070310E+09	1,149209E+09	1,182177E+09	1,185182E+09	1,185175E+09	1,182164E+09	1,149202E+09
2596	1,070310E+09	9,666269E+08	8,907396E+08	8,907409E+08	9,666305E+08	1,070320E+09	1,149228E+09	1,182196E+09	1,185191E+09	1,185181E+09	1,182172E+09	1,149209E+09
2597	1,070323E+09	9,666521E+08	8,907707E+08	8,907735E+08	9,666627E+08	1,070333E+09	1,149214E+09	1,182173E+09	1,185178E+09	1,185184E+09	1,182184E+09	1,149214E+09
2598	1,070308E+09	9,666211E+08	8,907326E+08	8,907241E+08	9,666071E+08	1,070295E+09	1,149191E+09	1,182153E+09	1,185160E+09	1,185172E+09	1,182185E+09	1,149224E+09
2599	1,070310E+09	9,666097E+08	8,907222E+08	8,907305E+08	9,666285E+08	1,070327E+09	1,149231E+09	1,182182E+09	1,185170E+09	1,185169E+09	1,182180E+09	1,149231E+09
2600	1,070337E+09	9,666384E+08	8,907381E+08	8,907435E+08	9,666400E+08	1,070320E+09	1,149213E+09	1,182166E+09	1,185158E+09	1,185158E+09	1,182164E+09	1,149208E+09
2601	1,070310E+09	9,666130E+08	8,907040E+08	8,906917E+08	9,665960E+08	1,070302E+09	1,149208E+09	1,182170E+09	1,185163E+09	1,185159E+09	1,182162E+09	1,149205E+09
2602	1,070311E+09	9,666316E+08	8,907442E+08	8,907381E+08	9,666304E+08	1,070332E+09	1,149235E+09	1,182188E+09	1,185174E+09	1,185167E+09	1,182169E+09	1,149214E+09
2603	1,070318E+09	9,666309E+08	8,907457E+08	8,907477E+08	9,666256E+08	1,070297E+09	1,149195E+09	1,182165E+09	1,185173E+09	1,185173E+09	1,182166E+09	1,149197E+09
2604	1,070293E+09	9,666004E+08	8,907105E+08	8,907196E+08	9,666227E+08	1,070315E+09	1,149215E+09	1,182177E+09	1,185177E+09	1,185178E+09	1,182178E+09	1,149213E+09
2605	1,070318E+09	9,666390E+08	8,907587E+08	8,907682E+08	9,666693E+08	1,070351E+09	1,149228E+09	1,182172E+09	1,185167E+09	1,185172E+09	1,182181E+09	1,149223E+09
2606	1,070324E+09	9,666392E+08	8,907528E+08	8,907460E+08	9,666251E+08	1,070309E+09	1,149205E+09	1,182166E+09	1,185165E+09	1,185167E+09	1,182175E+09	1,149221E+09
2607	1,070323E+09	9,666390E+08	8,907585E+08	8,907602E+08	9,666403E+08	1,070323E+09	1,149229E+09	1,182195E+09	1,185189E+09	1,185179E+09	1,182174E+09	1,149224E+09
2608	1,070351E+09	9,666872E+08	8,908104E+08	8,908106E+08	9,666815E+08	1,070335E+09	1,149213E+09	1,182173E+09	1,185178E+09	1,185178E+09	1,182170E+09	1,149205E+09
2609	1,070323E+09	9,66643E+08	8,907927E+08	8,907825E+08	9,666494E+08	1,070313E+09	1,149197E+09	1,182162E+09	1,185174E+09	1,185178E+09	1,182174E+09	1,149209E+09
2610	1,070324E+09	9,666722E+08	8,908163E+08	8,908195E+08	9,666883E+08	1,070353E+09	1,149231E+09	1,182181E+09	1,185178E+09	1,185178E+09	1,182180E+09	1,149227E+09
2611	1,070348E+09	9,666870E+08	8,908244E+08	8,908323E+08	9,666969E+08	1,070341E+09	1,149211E+09	1,182169E+09	1,185177E+09	1,185176E+09	1,182167E+09	1,149204E+09
2612	1,070320E+09	9,666543E+08	8,907797E+08	8,907790E+08	9,666605E+08	1,070335E+09	1,149223E+09	1,182185E+09	1,185186E+09	1,185180E+09	1,182172E+09	1,149212E+09
2613	1,070334E+09	9,666779E+08	8,908146E+08	8,908162E+08	9,666916E+08	1,070360E+09	1,149239E+09	1,182189E+09	1,185184E+09	1,185178E+09	1,182172E+09	1,149216E+09
2614	1,070336E+09	9,666725E+08	8,908033E+08	8,907962E+08	9,666513E+08	1,070309E+09	1,149202E+09	1,182174E+09	1,185181E+09	1,185180E+09	1,182175E+09	1,149210E+09
2615	1,070314E+09	9,666400E+08	8,907666E+08	8,907700E+08	9,666447E+08	1,070312E+09	1,149209E+09	1,182184E+09	1,185193E+09	1,185191E+09	1,182184E+09	1,149222E+09
2616	1,070337E+09	9,666694E+08	8,907949E+08	8,907983E+08	9,666835E+08	1,070346E+09	1,149213E+09	1,182159E+09	1,185165E+09	1,185176E+09	1,182180E+09	1,149216E+09

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												
2617	1,070319E+09	9,666406E+08	8,907599E+08	8,907499E+08	9,666274E+08	1,070311E+09	1,149201E+09	1,182155E+09	1,185154E+09	1,185161E+09	1,182171E+09	1,149215E+09
2618	1,070319E+09	9,666361E+08	8,907541E+08	8,907546E+08	9,666383E+08	1,070327E+09	1,149228E+09	1,182182E+09	1,185167E+09	1,185159E+09	1,182165E+09	1,149223E+09
2619	1,070346E+09	9,666658E+08	8,907774E+08	8,907778E+08	9,666586E+08	1,070322E+09	1,149205E+09	1,182171E+09	1,185173E+09	1,185163E+09	1,182151E+09	1,149189E+09
2620	1,070303E+09	9,666271E+08	8,907379E+08	8,907274E+08	9,666160E+08	1,070304E+09	1,149201E+09	1,182171E+09	1,185176E+09	1,185173E+09	1,182166E+09	1,149198E+09
2621	1,070303E+09	9,666328E+08	8,907668E+08	8,907747E+08	9,666602E+08	1,070340E+09	1,149225E+09	1,182174E+09	1,185169E+09	1,185169E+09	1,182172E+09	1,149214E+09
2622	1,070321E+09	9,666435E+08	8,907719E+08	8,907779E+08	9,666512E+08	1,070317E+09	1,149204E+09	1,182163E+09	1,185164E+09	1,185168E+09	1,182173E+09	1,149209E+09
2623	1,070305E+09	9,666177E+08	8,907367E+08	8,907445E+08	9,666342E+08	1,070315E+09	1,149214E+09	1,182182E+09	1,185183E+09	1,185181E+09	1,182179E+09	1,149223E+09
2624	1,070340E+09	9,666701E+08	8,907927E+08	8,907929E+08	9,666820E+08	1,070357E+09	1,149230E+09	1,182175E+09	1,185171E+09	1,185170E+09	1,182170E+09	1,149215E+09
2625	1,070335E+09	9,666711E+08	8,907971E+08	8,907825E+08	9,666433E+08	1,070313E+09	1,149204E+09	1,182168E+09	1,185174E+09	1,185173E+09	1,182167E+09	1,149207E+09
2626	1,070326E+09	9,666682E+08	8,908036E+08	8,908017E+08	9,666601E+08	1,070319E+09	1,149212E+09	1,182184E+09	1,185188E+09	1,185182E+09	1,182174E+09	1,149222E+09
2627	1,070356E+09	9,667098E+08	8,908518E+08	8,908566E+08	9,667152E+08	1,070343E+09	1,149200E+09	1,182165E+09	1,185184E+09	1,185183E+09	1,182168E+09	1,149200E+09
2628	1,070322E+09	9,666751E+08	8,908202E+08	8,908166E+08	9,666769E+08	1,070330E+09	1,149202E+09	1,182161E+09	1,185175E+09	1,185182E+09	1,182177E+09	1,149212E+09
2629	1,070329E+09	9,666796E+08	8,908358E+08	8,908482E+08	9,667112E+08	1,070365E+09	1,149236E+09	1,182180E+09	1,185172E+09	1,185169E+09	1,182169E+09	1,149223E+09
2630	1,070358E+09	9,667102E+08	8,908544E+08	8,908569E+08	9,667097E+08	1,070349E+09	1,149218E+09	1,182177E+09	1,185179E+09	1,185172E+09	1,182163E+09	1,149202E+09
2631	1,070326E+09	9,666743E+08	8,908113E+08	8,908053E+08	9,666655E+08	1,070324E+09	1,149212E+09	1,182188E+09	1,185201E+09	1,185194E+09	1,182176E+09	1,149212E+09
2632	1,070341E+09	9,666992E+08	8,908461E+08	8,908447E+08	9,667070E+08	1,070363E+09	1,149229E+09	1,182178E+09	1,185183E+09	1,185183E+09	1,182173E+09	1,149211E+09
2633	1,070336E+09	9,666871E+08	8,908322E+08	8,908284E+08	9,666757E+08	1,070320E+09	1,149198E+09	1,182165E+09	1,185178E+09	1,185183E+09	1,182175E+09	1,149207E+09
2634	1,070320E+09	9,666568E+08	8,907916E+08	8,907969E+08	9,666636E+08	1,070320E+09	1,149203E+09	1,182172E+09	1,185180E+09	1,185182E+09	1,182182E+09	1,149229E+09
2635	1,070353E+09	9,666920E+08	8,908230E+08	8,908263E+08	9,667017E+08	1,070352E+09	1,149211E+09	1,182163E+09	1,185170E+09	1,185168E+09	1,182165E+09	1,149206E+09
2636	1,070323E+09	9,666582E+08	8,907860E+08	8,907741E+08	9,666399E+08	1,070317E+09	1,149206E+09	1,182164E+09	1,185166E+09	1,185166E+09	1,182164E+09	1,149206E+09
2637	1,070318E+09	9,666473E+08	8,907810E+08	8,907857E+08	9,666555E+08	1,070329E+09	1,149223E+09	1,182178E+09	1,185168E+09	1,185158E+09	1,182156E+09	1,149209E+09
2638	1,070342E+09	9,666824E+08	8,908104E+08	8,908116E+08	9,666778E+08	1,070327E+09	1,149203E+09	1,182168E+09	1,185173E+09	1,185168E+09	1,182158E+09	1,149190E+09
2639	1,070301E+09	9,666364E+08	8,907637E+08	8,907593E+08	9,666349E+08	1,070305E+09	1,149191E+09	1,182166E+09	1,185183E+09	1,185187E+09	1,182179E+09	1,149209E+09
2640	1,070316E+09	9,666499E+08	8,907891E+08	8,907975E+08	9,666801E+08	1,070358E+09	1,149229E+09	1,182167E+09	1,185162E+09	1,185166E+09	1,182170E+09	1,149217E+09
2641	1,070334E+09	9,666669E+08	8,908015E+08	8,908045E+08	9,666679E+08	1,070328E+09	1,149212E+09	1,182170E+09	1,185168E+09	1,185165E+09	1,182162E+09	1,149204E+09
2642	1,070320E+09	9,666515E+08	8,907755E+08	8,907751E+08	9,666444E+08	1,070308E+09	1,149202E+09	1,182178E+09	1,185185E+09	1,185178E+09	1,182171E+09	1,149219E+09
2643	1,070353E+09	9,667052E+08	8,908412E+08	8,908362E+08	9,667009E+08	1,070351E+09	1,149214E+09	1,182173E+09	1,185184E+09	1,185177E+09	1,182161E+09	1,149199E+09
2644	1,070331E+09	9,666909E+08	8,908393E+08	8,908290E+08	9,666715E+08	1,070318E+09	1,149195E+09	1,182162E+09	1,185179E+09	1,185184E+09	1,182171E+09	1,149201E+09
2645	1,070321E+09	9,666758E+08	8,908346E+08	8,908463E+08	9,666961E+08	1,070335E+09	1,149206E+09	1,182167E+09	1,185176E+09	1,185177E+09	1,182171E+09	1,149219E+09
2646	1,070359E+09	9,667256E+08	8,908816E+08	8,908911E+08	9,667447E+08	1,070368E+09	1,149214E+09	1,182164E+09	1,185174E+09	1,185177E+09	1,182169E+09	1,149205E+09
2647	1,070330E+09	9,666909E+08	8,908447E+08	8,908429E+08	9,666919E+08	1,070336E+09	1,149207E+09	1,182172E+09	1,185187E+09	1,185188E+09	1,182178E+09	1,149216E+09
2648	1,070344E+09	9,667035E+08	8,908603E+08	8,908665E+08	9,667226E+08	1,070375E+09	1,149242E+09	1,182186E+09	1,185182E+09	1,185173E+09	1,182163E+09	1,149214E+09
2649	1,070362E+09	9,667332E+08	8,908884E+08	8,908860E+08	9,667224E+08	1,070350E+09	1,149219E+09	1,182184E+09	1,185193E+09	1,185184E+09	1,182162E+09	1,149194E+09
2650	1,070329E+09	9,666963E+08	8,908445E+08	8,908366E+08	9,666769E+08	1,070312E+09	1,149191E+09	1,182174E+09	1,185200E+09	1,185201E+09	1,182184E+09	1,149218E+09
2651	1,070350E+09	9,667191E+08	8,908773E+08	8,908786E+08	9,667284E+08	1,070364E+09	1,149214E+09	1,182167E+09	1,185184E+09	1,185186E+09	1,182174E+09	1,149211E+09
2652	1,070341E+09	9,667001E+08	8,908545E+08	8,908549E+08	9,666958E+08	1,070332E+09	1,149200E+09	1,182157E+09	1,185170E+09	1,185178E+09	1,182173E+09	1,149209E+09

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°
2653	1,070327E+09	9,666688E+08	8,908117E+08	8,908211E+08	9,666793E+08	1,070326E+09	1,149203E+09	1,182164E+09	1,185167E+09	1,185164E+09	1,182163E+09	1,149219E+09
2654	1,070361E+09	9,667170E+08	8,908549E+08	8,908527E+08	9,667149E+08	1,070359E+09	1,149216E+09	1,182166E+09	1,185168E+09	1,185162E+09	1,182154E+09	1,149195E+09
2655	1,070322E+09	9,666761E+08	8,908180E+08	8,908058E+08	9,666512E+08	1,070310E+09	1,149197E+09	1,182166E+09	1,185179E+09	1,185177E+09	1,182164E+09	1,149198E+09
2656	1,070317E+09	9,666622E+08	8,908077E+08	8,908151E+08	9,666774E+08	1,070340E+09	1,149219E+09	1,182172E+09	1,185171E+09	1,185165E+09	1,182155E+09	1,149200E+09
2657	1,070336E+09	9,666922E+08	8,908375E+08	8,908452E+08	9,667046E+08	1,070344E+09	1,149208E+09	1,182167E+09	1,185176E+09	1,185174E+09	1,182159E+09	1,149188E+09
2658	1,070307E+09	9,666525E+08	8,907876E+08	8,907860E+08	9,666514E+08	1,070310E+09	1,149188E+09	1,182160E+09	1,185180E+09	1,185187E+09	1,182181E+09	1,149218E+09
2659	1,070334E+09	9,666775E+08	8,908208E+08	8,908261E+08	9,666947E+08	1,070358E+09	1,149226E+09	1,182174E+09	1,185174E+09	1,185168E+09	1,182163E+09	1,149212E+09
2660	1,070344E+09	9,666928E+08	8,908353E+08	8,908343E+08	9,666826E+08	1,070330E+09	1,149210E+09	1,182172E+09	1,185179E+09	1,185176E+09	1,182163E+09	1,149200E+09
2661	1,070325E+09	9,666721E+08	8,908138E+08	8,908162E+08	9,666653E+08	1,070308E+09	1,149191E+09	1,182166E+09	1,185181E+09	1,185178E+09	1,182166E+09	1,149213E+09
2662	1,070357E+09	9,667303E+08	8,908844E+08	8,908822E+08	9,667298E+08	1,070359E+09	1,149208E+09	1,182163E+09	1,185177E+09	1,185179E+09	1,182168E+09	1,149201E+09
2663	1,070332E+09	9,667056E+08	8,908717E+08	8,908704E+08	9,667010E+08	1,070328E+09	1,149190E+09	1,182155E+09	1,185180E+09	1,185190E+09	1,182178E+09	1,149209E+09
2664	1,070334E+09	9,666959E+08	8,908598E+08	8,908730E+08	9,667227E+08	1,070360E+09	1,149219E+09	1,182165E+09	1,185169E+09	1,185169E+09	1,182162E+09	1,149214E+09
2665	1,070367E+09	9,667487E+08	8,909123E+08	8,909184E+08	9,667620E+08	1,070381E+09	1,149229E+09	1,182179E+09	1,185183E+09	1,185174E+09	1,182155E+09	1,149195E+09
2666	1,070341E+09	9,667202E+08	8,908789E+08	8,908701E+08	9,667006E+08	1,070329E+09	1,149200E+09	1,182175E+09	1,185197E+09	1,185194E+09	1,182174E+09	1,149212E+09
2667	1,070354E+09	9,667325E+08	8,909001E+08	8,909015E+08	9,667354E+08	1,070363E+09	1,149226E+09	1,182187E+09	1,185197E+09	1,185184E+09	1,182161E+09	1,149202E+09
2668	1,070357E+09	9,667464E+08	8,909179E+08	8,909200E+08	9,667430E+08	1,070351E+09	1,149207E+09	1,182175E+09	1,185196E+09	1,185197E+09	1,182172E+09	1,149196E+09
2669	1,070326E+09	9,667020E+08	8,908683E+08	8,908703E+08	9,667026E+08	1,070321E+09	1,149182E+09	1,182153E+09	1,185181E+09	1,185191E+09	1,182181E+09	1,149220E+09
2670	1,070358E+09	9,667361E+08	8,909032E+08	8,909055E+08	9,667477E+08	1,070376E+09	1,149219E+09	1,182160E+09	1,185168E+09	1,185175E+09	1,182172E+09	1,149214E+09
2671	1,070349E+09	9,667168E+08	8,908774E+08	8,908784E+08	9,667083E+08	1,070334E+09	1,149201E+09	1,182163E+09	1,185177E+09	1,185178E+09	1,182167E+09	1,149207E+09
2672	1,070338E+09	9,666929E+08	8,908367E+08	8,908399E+08	9,666931E+08	1,070337E+09	1,149208E+09	1,182166E+09	1,185171E+09	1,185163E+09	1,182150E+09	1,149202E+09
2673	1,070356E+09	9,667352E+08	8,908876E+08	8,908836E+08	9,667313E+08	1,070364E+09	1,149221E+09	1,182174E+09	1,185179E+09	1,185170E+09	1,182148E+09	1,149183E+09
2674	1,070320E+09	9,666914E+08	8,908462E+08	8,908380E+08	9,666700E+08	1,070306E+09	1,149183E+09	1,182158E+09	1,185183E+09	1,185188E+09	1,182173E+09	1,149203E+09
2675	1,070323E+09	9,666773E+08	8,908330E+08	8,908451E+08	9,666992E+08	1,070343E+09	1,149212E+09	1,182169E+09	1,185176E+09	1,185172E+09	1,182160E+09	1,149202E+09
2676	1,070339E+09	9,667034E+08	8,908569E+08	8,908683E+08	9,667223E+08	1,070355E+09	1,149215E+09	1,182168E+09	1,185175E+09	1,185177E+09	1,182165E+09	1,149195E+09
2677	1,070317E+09	9,666704E+08	8,908147E+08	8,908129E+08	9,666648E+08	1,070311E+09	1,149185E+09	1,182153E+09	1,185171E+09	1,185176E+09	1,182170E+09	1,149215E+09
2678	1,070348E+09	9,667113E+08	8,908631E+08	8,908601E+08	9,667089E+08	1,070357E+09	1,149221E+09	1,182169E+09	1,185172E+09	1,185169E+09	1,182161E+09	1,149206E+09
2679	1,070348E+09	9,667194E+08	8,908776E+08	8,908763E+08	9,667029E+08	1,070325E+09	1,149196E+09	1,182166E+09	1,185185E+09	1,185185E+09	1,182166E+09	1,149197E+09
2680	1,070330E+09	9,666962E+08	8,908501E+08	8,908546E+08	9,666979E+08	1,070325E+09	1,149187E+09	1,182154E+09	1,185174E+09	1,185176E+09	1,182162E+09	1,149204E+09
2681	1,070355E+09	9,667471E+08	8,909197E+08	8,909240E+08	9,667644E+08	1,070382E+09	1,149221E+09	1,182165E+09	1,185175E+09	1,185175E+09	1,182160E+09	1,149198E+09
2682	1,070341E+09	9,667260E+08	8,909007E+08	8,909022E+08	9,667232E+08	1,070337E+09	1,149195E+09	1,182158E+09	1,185181E+09	1,185187E+09	1,182174E+09	1,149211E+09
2683	1,070347E+09	9,667224E+08	8,908916E+08	8,909009E+08	9,667382E+08	1,070362E+09	1,149223E+09	1,182182E+09	1,185187E+09	1,185174E+09	1,182154E+09	1,149203E+09
2684	1,070368E+09	9,667685E+08	8,909432E+08	8,909459E+08	9,667753E+08	1,070383E+09	1,149230E+09	1,182186E+09	1,185198E+09	1,185190E+09	1,182159E+09	1,149190E+09
2685	1,070338E+09	9,667349E+08	8,909121E+08	8,909037E+08	9,667141E+08	1,070322E+09	1,149184E+09	1,182163E+09	1,185195E+09	1,185199E+09	1,182176E+09	1,149210E+09
2686	1,070357E+09	9,667527E+08	8,909356E+08	8,909377E+08	9,667565E+08	1,070362E+09	1,149212E+09	1,182171E+09	1,185190E+09	1,185191E+09	1,182174E+09	1,149210E+09
2687	1,070362E+09	9,667596E+08	8,909429E+08	8,909502E+08	9,667648E+08	1,070355E+09	1,149197E+09	1,182160E+09	1,185190E+09	1,185199E+09	1,182179E+09	1,149207E+09
2688	1,070342E+09	9,667228E+08	8,908893E+08	8,908895E+08	9,667234E+08	1,070340E+09	1,149189E+09	1,182146E+09	1,185166E+09	1,185174E+09	1,182168E+09	1,149214E+09

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												
2689	1,070366E+09	9,667591E+08	8,909336E+08	8,909317E+08	9,667636E+08	1,070385E+09	1,149231E+09	1,182169E+09	1,185170E+09	1,185163E+09	1,182150E+09	1,149200E+09
2690	1,070355E+09	9,667410E+08	8,909096E+08	8,909060E+08	9,667204E+08	1,070329E+09	1,149194E+09	1,182163E+09	1,185182E+09	1,185180E+09	1,182158E+09	1,149195E+09
2691	1,070338E+09	9,667141E+08	8,908717E+08	8,908733E+08	9,667106E+08	1,070333E+09	1,149201E+09	1,182172E+09	1,185185E+09	1,185173E+09	1,182147E+09	1,149186E+09
2692	1,070341E+09	9,667390E+08	8,909105E+08	8,909144E+08	9,667563E+08	1,070373E+09	1,149218E+09	1,182171E+09	1,185185E+09	1,185184E+09	1,182160E+09	1,149184E+09
2693	1,070314E+09	9,666928E+08	8,908653E+08	8,908653E+08	9,666928E+08	1,070316E+09	1,149180E+09	1,182147E+09	1,185173E+09	1,185184E+09	1,182175E+09	1,149210E+09
2694	1,070334E+09	9,666956E+08	8,908580E+08	8,908689E+08	9,667147E+08	1,070350E+09	1,149216E+09	1,182167E+09	1,185171E+09	1,185172E+09	1,182166E+09	1,149210E+09
2695	1,070353E+09	9,667254E+08	8,908828E+08	8,908904E+08	9,667322E+08	1,070352E+09	1,149212E+09	1,182172E+09	1,185185E+09	1,185184E+09	1,182167E+09	1,149200E+09
2696	1,070335E+09	9,667026E+08	8,908496E+08	8,908385E+08	9,666816E+08	1,070319E+09	1,149183E+09	1,182149E+09	1,185170E+09	1,185174E+09	1,182162E+09	1,149204E+09
2697	1,070351E+09	9,667395E+08	8,909088E+08	8,909024E+08	9,667312E+08	1,070359E+09	1,149219E+09	1,182169E+09	1,185176E+09	1,185170E+09	1,182153E+09	1,149198E+09
2698	1,070353E+09	9,667426E+08	8,909169E+08	8,909200E+08	9,667334E+08	1,070328E+09	1,149183E+09	1,182155E+09	1,185184E+09	1,185189E+09	1,182168E+09	1,149200E+09
2699	1,070339E+09	9,667192E+08	8,908866E+08	8,908938E+08	9,667283E+08	1,070337E+09	1,149189E+09	1,182155E+09	1,185175E+09	1,185175E+09	1,182157E+09	1,149197E+09
2700	1,070354E+09	9,667596E+08	8,909448E+08	8,909525E+08	9,667874E+08	1,070397E+09	1,149233E+09	1,182174E+09	1,185180E+09	1,185176E+09	1,182157E+09	1,149195E+09
2701	1,070344E+09	9,667433E+08	8,909315E+08	8,909312E+08	9,667385E+08	1,070339E+09	1,149195E+09	1,182161E+09	1,185183E+09	1,185182E+09	1,182163E+09	1,149204E+09
2702	1,070355E+09	9,667507E+08	8,909318E+08	8,909332E+08	9,667506E+08	1,070357E+09	1,149215E+09	1,182178E+09	1,185194E+09	1,185186E+09	1,182160E+09	1,149199E+09
2703	1,070368E+09	9,667865E+08	8,909779E+08	8,909806E+08	9,667918E+08	1,070376E+09	1,149214E+09	1,182179E+09	1,185207E+09	1,185206E+09	1,182172E+09	1,149195E+09
2704	1,070345E+09	9,667542E+08	8,909418E+08	8,909349E+08	9,667425E+08	1,070336E+09	1,149176E+09	1,182144E+09	1,185183E+09	1,185195E+09	1,182176E+09	1,149209E+09
2705	1,070360E+09	9,667692E+08	8,909664E+08	8,909714E+08	9,667829E+08	1,070377E+09	1,149218E+09	1,182167E+09	1,185181E+09	1,185181E+09	1,182164E+09	1,149212E+09
2706	1,070376E+09	9,667801E+08	8,909681E+08	8,909759E+08	9,667838E+08	1,070360E+09	1,149197E+09	1,182159E+09	1,185185E+09	1,185189E+09	1,182170E+09	1,149207E+09
2707	1,070357E+09	9,667495E+08	8,909202E+08	8,909142E+08	9,667374E+08	1,070342E+09	1,149193E+09	1,182159E+09	1,185177E+09	1,185172E+09	1,182153E+09	1,149198E+09
2708	1,070360E+09	9,667724E+08	8,909602E+08	8,909567E+08	9,667781E+08	1,070390E+09	1,149236E+09	1,182180E+09	1,185183E+09	1,185173E+09	1,182149E+09	1,149189E+09
2709	1,070345E+09	9,667488E+08	8,909384E+08	8,909368E+08	9,667364E+08	1,070326E+09	1,149185E+09	1,182158E+09	1,185183E+09	1,185183E+09	1,182159E+09	1,149192E+09
2710	1,070337E+09	9,667256E+08	8,908989E+08	8,909026E+08	9,667311E+08	1,070337E+09	1,149192E+09	1,182161E+09	1,185184E+09	1,185186E+09	1,182163E+09	1,149194E+09
2711	1,070344E+09	9,667457E+08	8,909273E+08	8,909349E+08	9,667734E+08	1,070380E+09	1,149215E+09	1,182165E+09	1,185185E+09	1,185191E+09	1,182172E+09	1,149200E+09
2712	1,070333E+09	9,667142E+08	8,908842E+08	8,908788E+08	9,667075E+08	1,070329E+09	1,149185E+09	1,182143E+09	1,185163E+09	1,185172E+09	1,182166E+09	1,149210E+09
2713	1,070348E+09	9,667254E+08	8,908951E+08	8,908974E+08	9,667272E+08	1,070349E+09	1,149218E+09	1,182174E+09	1,185176E+09	1,185163E+09	1,182148E+09	1,149204E+09
2714	1,070368E+09	9,667580E+08	8,909252E+08	8,909257E+08	9,667465E+08	1,070341E+09	1,149194E+09	1,182165E+09	1,185188E+09	1,185185E+09	1,182160E+09	1,149193E+09
2715	1,070341E+09	9,667318E+08	8,908965E+08	8,908833E+08	9,667066E+08	1,070316E+09	1,149173E+09	1,182148E+09	1,185175E+09	1,185176E+09	1,182155E+09	1,149188E+09
2716	1,070340E+09	9,667498E+08	8,909428E+08	8,909452E+08	9,667674E+08	1,070376E+09	1,149220E+09	1,182165E+09	1,185175E+09	1,185174E+09	1,182155E+09	1,149194E+09
2717	1,070346E+09	9,667498E+08	8,909463E+08	8,909561E+08	9,667630E+08	1,070345E+09	1,149186E+09	1,182148E+09	1,185174E+09	1,185180E+09	1,182162E+09	1,149198E+09
2718	1,070345E+09	9,667388E+08	8,909180E+08	8,909239E+08	9,667498E+08	1,070349E+09	1,149197E+09	1,182159E+09	1,185180E+09	1,185180E+09	1,182159E+09	1,149198E+09
2719	1,070361E+09	9,667775E+08	8,909719E+08	8,909768E+08	9,668014E+08	1,070399E+09	1,149232E+09	1,182182E+09	1,185197E+09	1,185190E+09	1,182162E+09	1,149198E+09
2720	1,070357E+09	9,667699E+08	8,909632E+08	8,909559E+08	9,667548E+08	1,070345E+09	1,149191E+09	1,182159E+09	1,185187E+09	1,185188E+09	1,182163E+09	1,149199E+09
2721	1,070359E+09	9,667747E+08	8,909733E+08	8,909731E+08	9,667707E+08	1,070354E+09	1,149206E+09	1,182177E+09	1,185198E+09	1,185190E+09	1,182160E+09	1,149202E+09
2722	1,070379E+09	9,668069E+08	8,910112E+08	8,910165E+08	9,668154E+08	1,070375E+09	1,149196E+09	1,182162E+09	1,185201E+09	1,185208E+09	1,182178E+09	1,149205E+09
2723	1,070360E+09	9,667781E+08	8,909752E+08	8,909676E+08	9,667656E+08	1,070345E+09	1,149178E+09	1,182142E+09	1,185174E+09	1,185185E+09	1,182167E+09	1,149205E+09
2724	1,070365E+09	9,667853E+08	8,909917E+08	8,909968E+08	9,668025E+08	1,070391E+09	1,149227E+09	1,182173E+09	1,185179E+09	1,185172E+09	1,182153E+09	1,149204E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2725	1,070378E+09	9,667983E+08	8,909988E+08	8,910017E+08	9,667974E+08	1,070363E+09	1,149195E+09	1,182160E+09	1,185184E+09	1,185180E+09	1,182152E+09	1,149193E+09
2726	1,070358E+09	9,667722E+08	8,909571E+08	8,909455E+08	9,667520E+08	1,070341E+09	1,149186E+09	1,182157E+09	1,185186E+09	1,185185E+09	1,182154E+09	1,149186E+09
2727	1,070351E+09	9,667784E+08	8,909839E+08	8,909848E+08	9,667956E+08	1,070389E+09	1,149226E+09	1,182178E+09	1,185195E+09	1,185190E+09	1,182161E+09	1,149192E+09
2728	1,070346E+09	9,667576E+08	8,909568E+08	8,909594E+08	9,667613E+08	1,070343E+09	1,149183E+09	1,182149E+09	1,185178E+09	1,185183E+09	1,182162E+09	1,149194E+09
2729	1,070340E+09	9,667375E+08	8,909233E+08	8,909279E+08	9,667479E+08	1,070346E+09	1,149197E+09	1,182163E+09	1,185181E+09	1,185179E+09	1,182159E+09	1,149202E+09
2730	1,070363E+09	9,667660E+08	8,909502E+08	8,909546E+08	9,667831E+08	1,070378E+09	1,149210E+09	1,182165E+09	1,185186E+09	1,185189E+09	1,182169E+09	1,149205E+09
2731	1,070353E+09	9,667465E+08	8,909210E+08	8,909063E+08	9,667185E+08	1,070326E+09	1,149182E+09	1,182149E+09	1,185169E+09	1,185171E+09	1,182154E+09	1,149196E+09
2732	1,070348E+09	9,667459E+08	8,909313E+08	8,909310E+08	9,667449E+08	1,070351E+09	1,149212E+09	1,182174E+09	1,185182E+09	1,185170E+09	1,182146E+09	1,149194E+09
2733	1,070362E+09	9,667738E+08	8,909647E+08	8,909670E+08	9,667717E+08	1,070343E+09	1,149180E+09	1,182153E+09	1,185182E+09	1,185183E+09	1,182156E+09	1,149188E+09
2734	1,070342E+09	9,667492E+08	8,909338E+08	8,909254E+08	9,667387E+08	1,070329E+09	1,149166E+09	1,182134E+09	1,185172E+09	1,185185E+09	1,182162E+09	1,149190E+09
2735	1,070341E+09	9,667577E+08	8,909648E+08	8,909737E+08	9,667927E+08	1,070392E+09	1,149225E+09	1,182166E+09	1,185177E+09	1,185178E+09	1,182160E+09	1,149201E+09
2736	1,070360E+09	9,667711E+08	8,909702E+08	8,909775E+08	9,667839E+08	1,070363E+09	1,149196E+09	1,182153E+09	1,185172E+09	1,185171E+09	1,182150E+09	1,149192E+09
2737	1,070354E+09	9,667664E+08	8,909573E+08	8,909555E+08	9,667628E+08	1,070350E+09	1,149200E+09	1,182171E+09	1,185192E+09	1,185180E+09	1,182147E+09	1,149193E+09
2738	1,070374E+09	9,668054E+08	8,910107E+08	8,910106E+08	9,668146E+08	1,070390E+09	1,149216E+09	1,182177E+09	1,185206E+09	1,185202E+09	1,182165E+09	1,149198E+09
2739	1,070367E+09	9,667982E+08	8,910066E+08	8,909974E+08	9,667768E+08	1,070343E+09	1,149180E+09	1,182155E+09	1,185190E+09	1,185193E+09	1,182163E+09	1,149193E+09
2740	1,070356E+09	9,667875E+08	8,910049E+08	8,910116E+08	9,668015E+08	1,070368E+09	1,149202E+09	1,182168E+09	1,185195E+09	1,185192E+09	1,182164E+09	1,149204E+09
2741	1,070380E+09	9,668209E+08	8,910414E+08	8,910483E+08	9,668381E+08	1,070386E+09	1,149195E+09	1,182153E+09	1,185187E+09	1,185194E+09	1,182168E+09	1,149205E+09
2742	1,070372E+09	9,668012E+08	8,910075E+08	8,909975E+08	9,667845E+08	1,070354E+09	1,149181E+09	1,182143E+09	1,185177E+09	1,185187E+09	1,182162E+09	1,149198E+09
2743	1,070368E+09	9,668012E+08	8,910168E+08	8,910196E+08	9,668152E+08	1,070395E+09	1,149229E+09	1,182181E+09	1,185193E+09	1,185181E+09	1,182151E+09	1,149199E+09
2744	1,070382E+09	9,668176E+08	8,910248E+08	8,910242E+08	9,668129E+08	1,070370E+09	1,149194E+09	1,182160E+09	1,185189E+09	1,185184E+09	1,182147E+09	1,149182E+09
2745	1,070354E+09	9,667862E+08	8,909894E+08	8,909799E+08	9,667707E+08	1,070343E+09	1,149181E+09	1,182159E+09	1,185194E+09	1,185190E+09	1,182155E+09	1,149190E+09
2746	1,070359E+09	9,667883E+08	8,910038E+08	8,910105E+08	9,668138E+08	1,070391E+09	1,149211E+09	1,182164E+09	1,185193E+09	1,185197E+09	1,182170E+09	1,149204E+09
2747	1,070361E+09	9,667759E+08	8,909800E+08	8,909813E+08	9,667737E+08	1,070348E+09	1,149187E+09	1,182150E+09	1,185173E+09	1,185177E+09	1,182157E+09	1,149194E+09
2748	1,070348E+09	9,667541E+08	8,909467E+08	8,909503E+08	9,667611E+08	1,070351E+09	1,149200E+09	1,182166E+09	1,185182E+09	1,185173E+09	1,182150E+09	1,149198E+09
2749	1,070369E+09	9,667896E+08	8,909859E+08	8,909819E+08	9,667911E+08	1,070371E+09	1,149197E+09	1,182157E+09	1,185183E+09	1,185181E+09	1,182154E+09	1,149193E+09
2750	1,070358E+09	9,667738E+08	8,909650E+08	8,909470E+08	9,667384E+08	1,070326E+09	1,149169E+09	1,182137E+09	1,185173E+09	1,185181E+09	1,182153E+09	1,149184E+09
2751	1,070342E+09	9,667577E+08	8,909630E+08	8,909694E+08	9,667730E+08	1,070359E+09	1,149203E+09	1,182165E+09	1,185184E+09	1,185178E+09	1,182151E+09	1,149193E+09
2752	1,070364E+09	9,667864E+08	8,909890E+08	8,909986E+08	9,668062E+08	1,070369E+09	1,149185E+09	1,182144E+09	1,185173E+09	1,185176E+09	1,182150E+09	1,149184E+09
2753	1,070345E+09	9,667642E+08	8,909638E+08	8,909599E+08	9,667637E+08	1,070346E+09	1,149180E+09	1,182145E+09	1,185175E+09	1,185177E+09	1,182153E+09	1,149194E+09
2754	1,070357E+09	9,667772E+08	8,909891E+08	8,909979E+08	9,668066E+08	1,070395E+09	1,149226E+09	1,182174E+09	1,185189E+09	1,185184E+09	1,182158E+09	1,149204E+09
2755	1,070376E+09	9,668021E+08	8,910084E+08	8,910068E+08	9,667935E+08	1,070362E+09	1,149200E+09	1,182167E+09	1,185188E+09	1,185181E+09	1,182146E+09	1,149182E+09
2756	1,070355E+09	9,667881E+08	8,909960E+08	8,909922E+08	9,667794E+08	1,070349E+09	1,149193E+09	1,182172E+09	1,185204E+09	1,185194E+09	1,182154E+09	1,149190E+09
2757	1,070373E+09	9,668256E+08	8,910513E+08	8,910504E+08	9,668350E+08	1,070386E+09	1,149197E+09	1,182161E+09	1,185202E+09	1,185204E+09	1,182168E+09	1,149201E+09
2758	1,070376E+09	9,668217E+08	8,910454E+08	8,910396E+08	9,668071E+08	1,070353E+09	1,149168E+09	1,182135E+09	1,185183E+09	1,185200E+09	1,182169E+09	1,149197E+09
2759	1,070365E+09	9,668030E+08	8,910292E+08	8,910392E+08	9,668240E+08	1,070382E+09	1,149205E+09	1,182164E+09	1,185190E+09	1,185189E+09	1,182162E+09	1,149210E+09
2760	1,070397E+09	9,668455E+08	8,910669E+08	8,910716E+08	9,668583E+08	1,070402E+09	1,149203E+09	1,182156E+09	1,185183E+09	1,185179E+09	1,182149E+09	1,149192E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2761	1,070377E+09	9,668267E+08	8,910462E+08	8,910321E+08	9,667990E+08	1,070356E+09	1,149183E+09	1,182152E+09	1,185186E+09	1,185182E+09	1,182146E+09	1,149188E+09
2762	1,070371E+09	9,668178E+08	8,910462E+08	8,910502E+08	9,668293E+08	1,070390E+09	1,149217E+09	1,182177E+09	1,185203E+09	1,185194E+09	1,182153E+09	1,149193E+09
2763	1,070382E+09	9,668335E+08	8,910558E+08	8,910577E+08	9,668321E+08	1,070374E+09	1,149191E+09	1,182159E+09	1,185192E+09	1,185189E+09	1,182148E+09	1,149174E+09
2764	1,070346E+09	9,667891E+08	8,910079E+08	8,910066E+08	9,667924E+08	1,070355E+09	1,149182E+09	1,182154E+09	1,185193E+09	1,185194E+09	1,182161E+09	1,149193E+09
2765	1,070361E+09	9,667991E+08	8,910237E+08	8,910293E+08	9,668240E+08	1,070394E+09	1,149209E+09	1,182158E+09	1,185185E+09	1,185188E+09	1,182164E+09	1,149208E+09
2766	1,070377E+09	9,668004E+08	8,910078E+08	8,910055E+08	9,667857E+08	1,070349E+09	1,149181E+09	1,182145E+09	1,185177E+09	1,185184E+09	1,182154E+09	1,149190E+09
2767	1,070355E+09	9,667735E+08	8,909725E+08	8,909732E+08	9,667718E+08	1,070351E+09	1,149194E+09	1,182165E+09	1,185189E+09	1,185181E+09	1,182151E+09	1,149195E+09
2768	1,070376E+09	9,668122E+08	8,910168E+08	8,910125E+08	9,668107E+08	1,070377E+09	1,149191E+09	1,182150E+09	1,185179E+09	1,185178E+09	1,182147E+09	1,149183E+09
2769	1,070356E+09	9,667918E+08	8,910031E+08	8,909909E+08	9,667655E+08	1,070333E+09	1,149164E+09	1,182134E+09	1,185173E+09	1,185178E+09	1,182150E+09	1,149186E+09
2770	1,070349E+09	9,667702E+08	8,909872E+08	8,910011E+08	9,667987E+08	1,070372E+09	1,149200E+09	1,182156E+09	1,185182E+09	1,185181E+09	1,182154E+09	1,149198E+09
2771	1,070376E+09	9,668088E+08	8,910181E+08	8,910263E+08	9,668230E+08	1,070383E+09	1,149200E+09	1,182154E+09	1,185174E+09	1,185170E+09	1,182140E+09	1,149178E+09
2772	1,070350E+09	9,667835E+08	8,909928E+08	8,909884E+08	9,667794E+08	1,070353E+09	1,149187E+09	1,182158E+09	1,185188E+09	1,185181E+09	1,182147E+09	1,149186E+09
2773	1,070361E+09	9,668041E+08	8,910282E+08	8,910285E+08	9,668151E+08	1,070387E+09	1,149214E+09	1,182171E+09	1,185196E+09	1,185188E+09	1,182152E+09	1,149196E+09
2774	1,070383E+09	9,668311E+08	8,910535E+08	8,910505E+08	9,668148E+08	1,070358E+09	1,149181E+09	1,182154E+09	1,185197E+09	1,185201E+09	1,182155E+09	1,149178E+09
2775	1,070354E+09	9,668041E+08	8,910301E+08	8,910325E+08	9,668080E+08	1,070356E+09	1,149180E+09	1,182158E+09	1,185203E+09	1,185204E+09	1,182166E+09	1,149199E+09
2776	1,070383E+09	9,668444E+08	8,910797E+08	8,910848E+08	9,668653E+08	1,070405E+09	1,149196E+09	1,182147E+09	1,185186E+09	1,185193E+09	1,182162E+09	1,149201E+09
2777	1,070385E+09	9,668440E+08	8,910804E+08	8,910780E+08	9,668334E+08	1,070368E+09	1,149178E+09	1,182139E+09	1,185180E+09	1,185186E+09	1,182156E+09	1,149199E+09
2778	1,070381E+09	9,668266E+08	8,910573E+08	8,910666E+08	9,668415E+08	1,070388E+09	1,149205E+09	1,182166E+09	1,185195E+09	1,185189E+09	1,182153E+09	1,149202E+09
2779	1,070406E+09	9,668730E+08	8,911025E+08	8,910999E+08	9,668685E+08	1,070405E+09	1,149211E+09	1,182166E+09	1,185192E+09	1,185183E+09	1,182139E+09	1,149175E+09
2780	1,070369E+09	9,668389E+08	8,910761E+08	8,910660E+08	9,668179E+08	1,070359E+09	1,149182E+09	1,182157E+09	1,185199E+09	1,185195E+09	1,182151E+09	1,149180E+09
2781	1,070363E+09	9,668273E+08	8,910718E+08	8,910783E+08	9,668453E+08	1,070388E+09	1,149203E+09	1,182165E+09	1,185201E+09	1,185199E+09	1,182159E+09	1,149196E+09
2782	1,070387E+09	9,668463E+08	8,910788E+08	8,910854E+08	9,668529E+08	1,070382E+09	1,149183E+09	1,182144E+09	1,185190E+09	1,185201E+09	1,182158E+09	1,149181E+09
2783	1,070354E+09	9,668008E+08	8,910227E+08	8,910225E+08	9,668042E+08	1,070362E+09	1,149184E+09	1,182151E+09	1,185189E+09	1,185192E+09	1,182162E+09	1,149201E+09
2784	1,070378E+09	9,668238E+08	8,910455E+08	8,910463E+08	9,668333E+08	1,070396E+09	1,149208E+09	1,182156E+09	1,185180E+09	1,185176E+09	1,182147E+09	1,149197E+09
2785	1,070385E+09	9,668289E+08	8,910473E+08	8,910403E+08	9,667998E+08	1,070347E+09	1,149175E+09	1,182145E+09	1,185180E+09	1,185176E+09	1,182141E+09	1,149182E+09
2786	1,070361E+09	9,667943E+08	8,910056E+08	8,910087E+08	9,667915E+08	1,070349E+09	1,149180E+09	1,182154E+09	1,185191E+09	1,185188E+09	1,182150E+09	1,149188E+09
2787	1,070377E+09	9,668312E+08	8,910517E+08	8,910507E+08	9,668354E+08	1,070389E+09	1,149196E+09	1,182148E+09	1,185177E+09	1,185177E+09	1,182142E+09	1,149174E+09
2788	1,070349E+09	9,667989E+08	8,910281E+08	8,910260E+08	9,667953E+08	1,070353E+09	1,149175E+09	1,182138E+09	1,185175E+09	1,185180E+09	1,182149E+09	1,149182E+09
2789	1,070349E+09	9,667848E+08	8,910114E+08	8,910250E+08	9,668135E+08	1,070379E+09	1,149205E+09	1,182161E+09	1,185184E+09	1,185179E+09	1,182149E+09	1,149196E+09
2790	1,070387E+09	9,668340E+08	8,910506E+08	8,910562E+08	9,668395E+08	1,070386E+09	1,149197E+09	1,182156E+09	1,185191E+09	1,185189E+09	1,182143E+09	1,149173E+09
2791	1,070354E+09	9,668046E+08	8,910232E+08	8,910155E+08	9,667919E+08	1,070352E+09	1,149181E+09	1,182159E+09	1,185201E+09	1,185198E+09	1,182157E+09	1,149190E+09
2792	1,070372E+09	9,668296E+08	8,910634E+08	8,910643E+08	9,668356E+08	1,070386E+09	1,149202E+09	1,182162E+09	1,185196E+09	1,185192E+09	1,182155E+09	1,149196E+09
2793	1,070390E+09	9,668557E+08	8,910961E+08	8,910980E+08	9,668454E+08	1,070363E+09	1,149169E+09	1,182140E+09	1,185190E+09	1,185197E+09	1,182158E+09	1,149189E+09
2794	1,070369E+09	9,668247E+08	8,910598E+08	8,910671E+08	9,668352E+08	1,070368E+09	1,149175E+09	1,182143E+09	1,185191E+09	1,185200E+09	1,182167E+09	1,149205E+09
2795	1,070400E+09	9,668736E+08	8,911151E+08	8,911161E+08	9,668834E+08	1,070419E+09	1,149213E+09	1,182153E+09	1,185178E+09	1,185178E+09	1,182145E+09	1,149189E+09
2796	1,070389E+09	9,668658E+08	8,911136E+08	8,911106E+08	9,668530E+08	1,070376E+09	1,149186E+09	1,182150E+09	1,185188E+09	1,185183E+09	1,182140E+09	1,149180E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2797	1,070377E+09	9,668499E+08	8,910936E+08	8,910963E+08	9,668534E+08	1,070384E+09	1,149198E+09	1,182166E+09	1,185203E+09	1,185192E+09	1,182144E+09	1,149187E+09
2798	1,070401E+09	9,668914E+08	8,911385E+08	8,911382E+08	9,668914E+08	1,070405E+09	1,149197E+09	1,182158E+09	1,185204E+09	1,185203E+09	1,182147E+09	1,149168E+09
2799	1,070360E+09	9,668430E+08	8,910952E+08	8,910928E+08	9,668407E+08	1,070367E+09	1,149177E+09	1,182150E+09	1,185202E+09	1,185207E+09	1,182164E+09	1,149190E+09
2800	1,070370E+09	9,668367E+08	8,910860E+08	8,910980E+08	9,668637E+08	1,070398E+09	1,149204E+09	1,182158E+09	1,185191E+09	1,185191E+09	1,182157E+09	1,149201E+09
2801	1,070398E+09	9,668648E+08	8,911033E+08	8,911094E+08	9,668664E+08	1,070386E+09	1,149187E+09	1,182148E+09	1,185187E+09	1,185190E+09	1,182153E+09	1,149188E+09
2802	1,070371E+09	9,668243E+08	8,910472E+08	8,910416E+08	9,668127E+08	1,070360E+09	1,149177E+09	1,182148E+09	1,185192E+09	1,185194E+09	1,182158E+09	1,149198E+09
2803	1,070390E+09	9,668544E+08	8,910836E+08	8,910743E+08	9,668407E+08	1,070394E+09	1,149210E+09	1,182157E+09	1,185181E+09	1,185175E+09	1,182138E+09	1,149182E+09
2804	1,070378E+09	9,668444E+08	8,910818E+08	8,910797E+08	9,668250E+08	1,070350E+09	1,149171E+09	1,182145E+09	1,185185E+09	1,185183E+09	1,182140E+09	1,149171E+09
2805	1,070354E+09	9,668085E+08	8,910358E+08	8,910422E+08	9,668161E+08	1,070354E+09	1,149170E+09	1,182142E+09	1,185186E+09	1,185188E+09	1,182150E+09	1,149187E+09
2806	1,070379E+09	9,668449E+08	8,910779E+08	8,910830E+08	9,668629E+08	1,070403E+09	1,149196E+09	1,182141E+09	1,185179E+09	1,185186E+09	1,182146E+09	1,149175E+09
2807	1,070353E+09	9,668114E+08	8,910468E+08	8,910467E+08	9,668130E+08	1,070364E+09	1,149185E+09	1,182145E+09	1,185180E+09	1,185183E+09	1,182152E+09	1,149187E+09
2808	1,070362E+09	9,668087E+08	8,910379E+08	8,910472E+08	9,668246E+08	1,070377E+09	1,149203E+09	1,182163E+09	1,185188E+09	1,185177E+09	1,182139E+09	1,149188E+09
2809	1,070393E+09	9,668620E+08	8,910929E+08	8,910946E+08	9,668564E+08	1,070382E+09	1,149189E+09	1,182155E+09	1,185196E+09	1,185191E+09	1,182143E+09	1,149175E+09
2810	1,070363E+09	9,668289E+08	8,910617E+08	8,910556E+08	9,668160E+08	1,070350E+09	1,149164E+09	1,182142E+09	1,185199E+09	1,185207E+09	1,182164E+09	1,149192E+09
2811	1,070380E+09	9,668557E+08	8,911040E+08	8,911042E+08	9,668608E+08	1,070396E+09	1,149202E+09	1,182152E+09	1,185185E+09	1,185187E+09	1,182151E+09	1,149192E+09
2812	1,070392E+09	9,668720E+08	8,911285E+08	8,911378E+08	9,668783E+08	1,070383E+09	1,149179E+09	1,182142E+09	1,185186E+09	1,185189E+09	1,182149E+09	1,149183E+09
2813	1,070376E+09	9,668494E+08	8,910928E+08	8,910965E+08	9,668541E+08	1,070375E+09	1,149178E+09	1,182145E+09	1,185189E+09	1,185191E+09	1,182153E+09	1,149197E+09
2814	1,070408E+09	9,668998E+08	8,911518E+08	8,911497E+08	9,669034E+08	1,070424E+09	1,149212E+09	1,182158E+09	1,185195E+09	1,185190E+09	1,182139E+09	1,149176E+09
2815	1,070385E+09	9,668820E+08	8,911431E+08	8,911386E+08	9,668693E+08	1,070380E+09	1,149187E+09	1,182157E+09	1,185203E+09	1,185198E+09	1,182147E+09	1,149177E+09
2816	1,070377E+09	9,668635E+08	8,911199E+08	8,911258E+08	9,668723E+08	1,070382E+09	1,149189E+09	1,182162E+09	1,185206E+09	1,185199E+09	1,182148E+09	1,149185E+09
2817	1,070400E+09	9,669034E+08	8,911667E+08	8,911719E+08	9,669165E+08	1,070412E+09	1,149190E+09	1,182149E+09	1,185200E+09	1,185204E+09	1,182156E+09	1,149183E+09
2818	1,070373E+09	9,668568E+08	8,911136E+08	8,911127E+08	9,668569E+08	1,070373E+09	1,149173E+09	1,182139E+09	1,185193E+09	1,185207E+09	1,182170E+09	1,149202E+09
2819	1,070390E+09	9,668638E+08	8,911144E+08	8,911168E+08	9,668686E+08	1,070399E+09	1,149212E+09	1,182162E+09	1,185185E+09	1,185178E+09	1,182144E+09	1,149195E+09
2820	1,070405E+09	9,668880E+08	8,911355E+08	8,911372E+08	9,668799E+08	1,070385E+09	1,149185E+09	1,182152E+09	1,185193E+09	1,185187E+09	1,182139E+09	1,149172E+09
2821	1,070371E+09	9,668499E+08	8,910851E+08	8,910718E+08	9,668253E+08	1,070353E+09	1,149164E+09	1,182139E+09	1,185191E+09	1,185194E+09	1,182150E+09	1,149185E+09
2822	1,070386E+09	9,668722E+08	8,911209E+08	8,911159E+08	9,668696E+08	1,070398E+09	1,149196E+09	1,182146E+09	1,185186E+09	1,185187E+09	1,182141E+09	1,149173E+09
2823	1,070369E+09	9,668484E+08	8,911022E+08	8,911087E+08	9,668545E+08	1,070367E+09	1,149174E+09	1,182141E+09	1,185184E+09	1,185188E+09	1,182147E+09	1,149176E+09
2824	1,070357E+09	9,668163E+08	8,910525E+08	8,910650E+08	9,668392E+08	1,070369E+09	1,149179E+09	1,182144E+09	1,185182E+09	1,185181E+09	1,182145E+09	1,149187E+09
2825	1,070385E+09	9,668614E+08	8,911037E+08	8,911093E+08	9,668813E+08	1,070411E+09	1,149202E+09	1,182150E+09	1,185182E+09	1,185180E+09	1,182143E+09	1,149181E+09
2826	1,070367E+09	9,668337E+08	8,910728E+08	8,910669E+08	9,668227E+08	1,070362E+09	1,149180E+09	1,182147E+09	1,185190E+09	1,185194E+09	1,182155E+09	1,149189E+09
2827	1,070375E+09	9,668401E+08	8,910795E+08	8,910773E+08	9,668319E+08	1,070373E+09	1,149202E+09	1,182165E+09	1,185192E+09	1,185182E+09	1,182138E+09	1,149182E+09
2828	1,070393E+09	9,668822E+08	8,911328E+08	8,911366E+08	9,668817E+08	1,070382E+09	1,149179E+09	1,182150E+09	1,185199E+09	1,185198E+09	1,182146E+09	1,149171E+09
2829	1,070366E+09	9,668524E+08	8,911001E+08	8,910935E+08	9,668424E+08	1,070356E+09	1,149152E+09	1,182125E+09	1,185188E+09	1,185203E+09	1,182163E+09	1,149194E+09
2830	1,070391E+09	9,668804E+08	8,911410E+08	8,911434E+08	9,668915E+08	1,070410E+09	1,149199E+09	1,182143E+09	1,185181E+09	1,185185E+09	1,182145E+09	1,149189E+09
2831	1,070399E+09	9,668919E+08	8,911567E+08	8,911650E+08	9,669008E+08	1,070395E+09	1,149189E+09	1,182150E+09	1,185190E+09	1,185185E+09	1,182140E+09	1,149178E+09
2832	1,070384E+09	9,668730E+08	8,911262E+08	8,911269E+08	9,668714E+08	1,070377E+09	1,149178E+09	1,182150E+09	1,185196E+09	1,185188E+09	1,182138E+09	1,149181E+09

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2833	1,070404E+09	9,669200E+08	8,911917E+08	8,911900E+08	9,669253E+08	1,070424E+09	1,149206E+09	1,182160E+09	1,185202E+09	1,185196E+09	1,182142E+09	1,149175E+09
2834	1,070385E+09	9,668953E+08	8,911726E+08	8,911716E+08	9,668922E+08	1,070382E+09	1,149176E+09	1,182149E+09	1,185207E+09	1,185213E+09	1,182160E+09	1,149183E+09
2835	1,070382E+09	9,668805E+08	8,911498E+08	8,911534E+08	9,668890E+08	1,070392E+09	1,149193E+09	1,182156E+09	1,185201E+09	1,185199E+09	1,182151E+09	1,149188E+09
2836	1,070404E+09	9,669146E+08	8,911893E+08	8,911979E+08	9,669371E+08	1,070424E+09	1,149196E+09	1,182152E+09	1,185200E+09	1,185202E+09	1,182153E+09	1,149183E+09
2837	1,070385E+09	9,668815E+08	8,911413E+08	8,911329E+08	9,668669E+08	1,070373E+09	1,149167E+09	1,182136E+09	1,185191E+09	1,185200E+09	1,182161E+09	1,149199E+09
2838	1,070402E+09	9,668910E+08	8,911491E+08	8,911456E+08	9,668831E+08	1,070397E+09	1,149200E+09	1,182159E+09	1,185195E+09	1,185186E+09	1,182139E+09	1,149186E+09
2839	1,070404E+09	9,669040E+08	8,911643E+08	8,911652E+08	9,668978E+08	1,070388E+09	1,149182E+09	1,182153E+09	1,185199E+09	1,185194E+09	1,182141E+09	1,149170E+09
2840	1,070371E+09	9,668614E+08	8,911129E+08	8,911052E+08	9,668488E+08	1,070354E+09	1,149153E+09	1,182130E+09	1,185187E+09	1,185191E+09	1,182147E+09	1,149180E+09
2841	1,070382E+09	9,668796E+08	8,911461E+08	8,911492E+08	9,668988E+08	1,070413E+09	1,149196E+09	1,182140E+09	1,185178E+09	1,185182E+09	1,182144E+09	1,149183E+09
2842	1,070377E+09	9,668595E+08	8,911199E+08	8,911279E+08	9,668726E+08	1,070381E+09	1,149180E+09	1,182140E+09	1,185181E+09	1,185186E+09	1,182148E+09	1,149182E+09
2843	1,070372E+09	9,668411E+08	8,910806E+08	8,910812E+08	9,668420E+08	1,070373E+09	1,149190E+09	1,182154E+09	1,185185E+09	1,185174E+09	1,182132E+09	1,149179E+09
2844	1,070390E+09	9,668830E+08	8,911366E+08	8,911367E+08	9,668936E+08	1,070409E+09	1,149200E+09	1,182159E+09	1,185196E+09	1,185186E+09	1,182134E+09	1,149167E+09
2845	1,070371E+09	9,668621E+08	8,911139E+08	8,911010E+08	9,668365E+08	1,070352E+09	1,149161E+09	1,182136E+09	1,185192E+09	1,185199E+09	1,182154E+09	1,149183E+09
2846	1,070378E+09	9,668634E+08	8,911227E+08	8,911239E+08	9,668621E+08	1,070373E+09	1,149181E+09	1,182150E+09	1,185196E+09	1,185192E+09	1,182143E+09	1,149181E+09
2847	1,070393E+09	9,668947E+08	8,911626E+08	8,911724E+08	9,669134E+08	1,070399E+09	1,149180E+09	1,182143E+09	1,185193E+09	1,185197E+09	1,182149E+09	1,149177E+09
2848	1,070375E+09	9,668685E+08	8,911295E+08	8,911275E+08	9,668686E+08	1,070369E+09	1,149157E+09	1,182124E+09	1,185181E+09	1,185190E+09	1,182150E+09	1,149189E+09
2849	1,070398E+09	9,669027E+08	8,911758E+08	8,911787E+08	9,669171E+08	1,070422E+09	1,149206E+09	1,182151E+09	1,185184E+09	1,185179E+09	1,182138E+09	1,149188E+09
2850	1,070407E+09	9,669157E+08	8,911895E+08	8,911927E+08	9,669174E+08	1,070401E+09	1,149188E+09	1,182156E+09	1,185203E+09	1,185197E+09	1,182142E+09	1,149175E+09
2851	1,070390E+09	9,668988E+08	8,911665E+08	8,911586E+08	9,668831E+08	1,070379E+09	1,149181E+09	1,182156E+09	1,185205E+09	1,185197E+09	1,182139E+09	1,149175E+09
2852	1,070401E+09	9,669313E+08	8,912233E+08	8,912280E+08	9,669518E+08	1,070429E+09	1,149199E+09	1,182159E+09	1,185210E+09	1,185207E+09	1,182147E+09	1,149175E+09
2853	1,070390E+09	9,669128E+08	8,911995E+08	8,911992E+08	9,669119E+08	1,070387E+09	1,149166E+09	1,182135E+09	1,185200E+09	1,185214E+09	1,182166E+09	1,149193E+09
2854	1,070397E+09	9,669023E+08	8,911789E+08	8,911820E+08	9,669079E+08	1,070397E+09	1,149186E+09	1,182151E+09	1,185200E+09	1,185198E+09	1,182149E+09	1,149191E+09
2855	1,070416E+09	9,669348E+08	8,912132E+08	8,912161E+08	9,669465E+08	1,070426E+09	1,149198E+09	1,182156E+09	1,185202E+09	1,185197E+09	1,182145E+09	1,149181E+09
2856	1,070395E+09	9,669041E+08	8,911738E+08	8,911618E+08	9,668788E+08	1,070368E+09	1,149159E+09	1,182132E+09	1,185190E+09	1,185193E+09	1,182144E+09	1,149183E+09
2857	1,070400E+09	9,669105E+08	8,911867E+08	8,911850E+08	9,669073E+08	1,070399E+09	1,149189E+09	1,182150E+09	1,185189E+09	1,185183E+09	1,182136E+09	1,149180E+09
2858	1,070401E+09	9,669136E+08	8,911889E+08	8,911949E+08	9,669223E+08	1,070397E+09	1,149175E+09	1,182143E+09	1,185197E+09	1,185197E+09	1,182144E+09	1,149170E+09
2859	1,070373E+09	9,668736E+08	8,911378E+08	8,911297E+08	9,668665E+08	1,070372E+09	1,149166E+09	1,182132E+09	1,185182E+09	1,185185E+09	1,182141E+09	1,149176E+09
2860	1,070382E+09	9,668854E+08	8,911641E+08	8,911723E+08	9,669174E+08	1,070426E+09	1,149207E+09	1,182152E+09	1,185185E+09	1,185181E+09	1,182136E+09	1,149176E+09
2861	1,070385E+09	9,668811E+08	8,911447E+08	8,911454E+08	9,668789E+08	1,070380E+09	1,149177E+09	1,182144E+09	1,185190E+09	1,185190E+09	1,182144E+09	1,149179E+09
2862	1,070382E+09	9,668674E+08	8,911172E+08	8,911114E+08	9,668533E+08	1,070366E+09	1,149175E+09	1,182154E+09	1,185202E+09	1,185190E+09	1,182134E+09	1,149173E+09
2863	1,070392E+09	9,669012E+08	8,911687E+08	8,911669E+08	9,669083E+08	1,070406E+09	1,149191E+09	1,182156E+09	1,185204E+09	1,185199E+09	1,182143E+09	1,149171E+09
2864	1,070376E+09	9,668781E+08	8,911486E+08	8,911426E+08	9,668636E+08	1,070354E+09	1,149144E+09	1,182120E+09	1,185185E+09	1,185197E+09	1,182153E+09	1,149184E+09
2865	1,070384E+09	9,668816E+08	8,911577E+08	8,911661E+08	9,668972E+08	1,070390E+09	1,149176E+09	1,182135E+09	1,185179E+09	1,185183E+09	1,182146E+09	1,149192E+09
2866	1,070407E+09	9,669157E+08	8,911911E+08	8,912012E+08	9,669369E+08	1,070416E+09	1,149187E+09	1,182143E+09	1,185188E+09	1,185190E+09	1,182144E+09	1,149179E+09
2867	1,070391E+09	9,669000E+08	8,911692E+08	8,911567E+08	9,668813E+08	1,070380E+09	1,149170E+09	1,182135E+09	1,185185E+09	1,185182E+09	1,182133E+09	1,149174E+09
2868	1,070399E+09	9,669236E+08	8,912139E+08	8,912160E+08	9,669382E+08	1,070428E+09	1,149208E+09	1,182162E+09	1,185201E+09	1,185188E+09	1,182127E+09	1,149169E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2869	1,070406E+09	9,669402E+08	8,912292E+08	8,912300E+08	9,669369E+08	1,070400E+09	1,149176E+09	1,182149E+09	1,185210E+09	1,185209E+09	1,182146E+09	1,149170E+09
2870	1,070390E+09	9,669167E+08	8,912031E+08	8,911996E+08	9,669103E+08	1,070383E+09	1,149166E+09	1,182148E+09	1,185214E+09	1,185210E+09	1,182148E+09	1,149178E+09
2871	1,070403E+09	9,669406E+08	8,912440E+08	8,912538E+08	9,669738E+08	1,070444E+09	1,149204E+09	1,182158E+09	1,185210E+09	1,185210E+09	1,182154E+09	1,149186E+09
2872	1,070404E+09	9,669285E+08	8,912234E+08	8,912264E+08	9,669278E+08	1,070390E+09	1,149164E+09	1,182131E+09	1,185193E+09	1,185202E+09	1,182155E+09	1,149192E+09
2873	1,070410E+09	9,669261E+08	8,912094E+08	8,912104E+08	9,669247E+08	1,070401E+09	1,149182E+09	1,182148E+09	1,185196E+09	1,185192E+09	1,182144E+09	1,149191E+09
2874	1,070426E+09	9,669585E+08	8,912437E+08	8,912402E+08	9,669569E+08	1,070427E+09	1,149193E+09	1,182153E+09	1,185205E+09	1,185202E+09	1,182143E+09	1,149175E+09
2875	1,070399E+09	9,669271E+08	8,912107E+08	8,911923E+08	9,668899E+08	1,070370E+09	1,149158E+09	1,182130E+09	1,185191E+09	1,185192E+09	1,182137E+09	1,149171E+09
2876	1,070392E+09	9,669171E+08	8,912124E+08	8,912200E+08	9,669351E+08	1,070411E+09	1,149187E+09	1,182148E+09	1,185194E+09	1,185187E+09	1,182131E+09	1,149171E+09
2877	1,070402E+09	9,669268E+08	8,912100E+08	8,912186E+08	9,669416E+08	1,070409E+09	1,149173E+09	1,182134E+09	1,185191E+09	1,185196E+09	1,182144E+09	1,149172E+09
2878	1,070382E+09	9,668902E+08	8,911612E+08	8,911540E+08	9,668808E+08	1,070377E+09	1,149165E+09	1,182137E+09	1,185191E+09	1,185187E+09	1,182137E+09	1,149174E+09
2879	1,070388E+09	9,669006E+08	8,911832E+08	8,911883E+08	9,669233E+08	1,070427E+09	1,149210E+09	1,182162E+09	1,185197E+09	1,185186E+09	1,182133E+09	1,149174E+09
2880	1,070392E+09	9,668997E+08	8,911762E+08	8,911756E+08	9,668879E+08	1,070370E+09	1,149163E+09	1,182138E+09	1,185194E+09	1,185193E+09	1,182138E+09	1,149169E+09
2881	1,070383E+09	9,668880E+08	8,911560E+08	8,911539E+08	9,668789E+08	1,070366E+09	1,149158E+09	1,182137E+09	1,185194E+09	1,185194E+09	1,182143E+09	1,149177E+09
2882	1,070397E+09	9,669187E+08	8,912001E+08	8,912021E+08	9,669340E+08	1,070417E+09	1,149181E+09	1,182141E+09	1,185198E+09	1,185202E+09	1,182149E+09	1,149178E+09
2883	1,070387E+09	9,669007E+08	8,911831E+08	8,911760E+08	9,668875E+08	1,070374E+09	1,149155E+09	1,182117E+09	1,185175E+09	1,185186E+09	1,182143E+09	1,149180E+09
2884	1,070391E+09	9,669000E+08	8,911883E+08	8,912011E+08	9,669248E+08	1,070408E+09	1,149189E+09	1,182145E+09	1,185185E+09	1,185177E+09	1,182128E+09	1,149179E+09
2885	1,070418E+09	9,669453E+08	8,912253E+08	8,912295E+08	9,669524E+08	1,070423E+09	1,149188E+09	1,182148E+09	1,185198E+09	1,185194E+09	1,182136E+09	1,149171E+09
2886	1,070398E+09	9,669278E+08	8,912114E+08	8,911963E+08	9,668996E+08	1,070378E+09	1,149164E+09	1,182144E+09	1,185206E+09	1,185198E+09	1,182134E+09	1,149166E+09
2887	1,070396E+09	9,669377E+08	8,912441E+08	8,912490E+08	9,669562E+08	1,070429E+09	1,149203E+09	1,182165E+09	1,185215E+09	1,185205E+09	1,182139E+09	1,149172E+09
2888	1,070407E+09	9,669508E+08	8,912590E+08	8,912682E+08	9,669604E+08	1,070402E+09	1,149163E+09	1,182137E+09	1,185208E+09	1,185213E+09	1,182150E+09	1,149175E+09
2889	1,070399E+09	9,669347E+08	8,912326E+08	8,912344E+08	9,669378E+08	1,070395E+09	1,149161E+09	1,182131E+09	1,185197E+09	1,185206E+09	1,182156E+09	1,149191E+09
2890	1,070420E+09	9,669637E+08	8,912686E+08	8,912732E+08	9,669835E+08	1,070448E+09	1,149204E+09	1,182155E+09	1,185205E+09	1,185203E+09	1,182149E+09	1,149189E+09
2891	1,070423E+09	9,669616E+08	8,912600E+08	8,912510E+08	9,669352E+08	1,070393E+09	1,149166E+09	1,182134E+09	1,185193E+09	1,185192E+09	1,182135E+09	1,149176E+09
2892	1,070411E+09	9,669485E+08	8,912465E+08	8,912475E+08	9,669446E+08	1,070402E+09	1,149176E+09	1,182147E+09	1,185203E+09	1,185193E+09	1,182128E+09	1,149170E+09
2893	1,070422E+09	9,669791E+08	8,912779E+08	8,912751E+08	9,669771E+08	1,070429E+09	1,149180E+09	1,182142E+09	1,185204E+09	1,185206E+09	1,182142E+09	1,149167E+09
2894	1,070394E+09	9,669385E+08	8,912406E+08	8,912308E+08	9,669182E+08	1,070380E+09	1,149152E+09	1,182126E+09	1,185195E+09	1,185197E+09	1,182139E+09	1,149167E+09
2895	1,070387E+09	9,669179E+08	8,912233E+08	8,912393E+08	9,669541E+08	1,070428E+09	1,149200E+09	1,182153E+09	1,185197E+09	1,185190E+09	1,182134E+09	1,149174E+09
2896	1,070406E+09	9,669338E+08	8,912261E+08	8,912399E+08	9,669534E+08	1,070412E+09	1,149175E+09	1,182139E+09	1,185194E+09	1,185194E+09	1,182136E+09	1,149169E+09
2897	1,070390E+09	9,669099E+08	8,911863E+08	8,911780E+08	9,668944E+08	1,070379E+09	1,149161E+09	1,182134E+09	1,185192E+09	1,185193E+09	1,182143E+09	1,149178E+09
2898	1,070398E+09	9,669231E+08	8,912110E+08	8,912096E+08	9,669281E+08	1,070422E+09	1,149202E+09	1,182160E+09	1,185205E+09	1,185198E+09	1,182141E+09	1,149178E+09
2899	1,070403E+09	9,669264E+08	8,912137E+08	8,912081E+08	9,669024E+08	1,070371E+09	1,149155E+09	1,182130E+09	1,185191E+09	1,185194E+09	1,182137E+09	1,149167E+09
2900	1,070386E+09	9,669041E+08	8,911885E+08	8,911949E+08	9,669113E+08	1,070380E+09	1,149153E+09	1,182126E+09	1,185190E+09	1,185193E+09	1,182137E+09	1,149174E+09
2901	1,070408E+09	9,669435E+08	8,912313E+08	8,912340E+08	9,669577E+08	1,070431E+09	1,149182E+09	1,182130E+09	1,185186E+09	1,185194E+09	1,182145E+09	1,149179E+09
2902	1,070401E+09	9,669288E+08	8,912197E+08	8,912121E+08	9,669084E+08	1,070381E+09	1,149159E+09	1,182126E+09	1,185183E+09	1,185181E+09	1,182129E+09	1,149170E+09
2903	1,070395E+09	9,669216E+08	8,912184E+08	8,912290E+08	9,669404E+08	1,070416E+09	1,149197E+09	1,182160E+09	1,185201E+09	1,185183E+09	1,182120E+09	1,149166E+09
2904	1,070416E+09	9,669638E+08	8,912641E+08	8,912707E+08	9,669704E+08	1,070418E+09	1,149177E+09	1,182145E+09	1,185206E+09	1,185200E+09	1,182130E+09	1,149158E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2905	1,070394E+09	9,669450E+08	8,912485E+08	8,912407E+08	9,669293E+08	1,070383E+09	1,149152E+09	1,182130E+09	1,185203E+09	1,185209E+09	1,182149E+09	1,149172E+09
2906	1,070399E+09	9,669519E+08	8,912707E+08	8,912791E+08	9,669779E+08	1,070438E+09	1,149200E+09	1,182157E+09	1,185213E+09	1,185212E+09	1,182151E+09	1,149184E+09
2907	1,070421E+09	9,669732E+08	8,912886E+08	8,912943E+08	9,669773E+08	1,070415E+09	1,149169E+09	1,182133E+09	1,185200E+09	1,185206E+09	1,182145E+09	1,149176E+09
2908	1,070410E+09	9,669568E+08	8,912624E+08	8,912650E+08	9,669589E+08	1,070405E+09	1,149164E+09	1,182135E+09	1,185201E+09	1,185201E+09	1,182140E+09	1,149182E+09
2909	1,070435E+09	9,669964E+08	8,913037E+08	8,912999E+08	9,669946E+08	1,070447E+09	1,149197E+09	1,182150E+09	1,185207E+09	1,185204E+09	1,182142E+09	1,149181E+09
2910	1,070429E+09	9,669886E+08	8,913008E+08	8,912900E+08	9,669535E+08	1,070389E+09	1,149157E+09	1,182136E+09	1,185204E+09	1,185198E+09	1,182130E+09	1,149163E+09
2911	1,070404E+09	9,669584E+08	8,912720E+08	8,912795E+08	9,669671E+08	1,070408E+09	1,149174E+09	1,182148E+09	1,185210E+09	1,185201E+09	1,182131E+09	1,149165E+09
2912	1,070415E+09	9,669817E+08	8,912998E+08	8,913083E+08	9,670014E+08	1,070437E+09	1,149174E+09	1,182130E+09	1,185198E+09	1,185205E+09	1,182141E+09	1,149166E+09
2913	1,070397E+09	9,669479E+08	8,912592E+08	8,912562E+08	9,669422E+08	1,070395E+09	1,149157E+09	1,182118E+09	1,185183E+09	1,185196E+09	1,182147E+09	1,149177E+09
2914	1,070398E+09	9,669341E+08	8,912384E+08	8,912487E+08	9,669570E+08	1,070430E+09	1,149206E+09	1,182161E+09	1,185202E+09	1,185191E+09	1,182134E+09	1,149178E+09
2915	1,070421E+09	9,669609E+08	8,912545E+08	8,912564E+08	9,669556E+08	1,070410E+09	1,149175E+09	1,182142E+09	1,185200E+09	1,185194E+09	1,182127E+09	1,149158E+09
2916	1,070393E+09	9,669323E+08	8,912214E+08	8,912121E+08	9,669124E+08	1,070376E+09	1,149150E+09	1,182129E+09	1,185198E+09	1,185198E+09	1,182134E+09	1,149166E+09
2917	1,070403E+09	9,669485E+08	8,912469E+08	8,912442E+08	9,669469E+08	1,070418E+09	1,149185E+09	1,182142E+09	1,185199E+09	1,185202E+09	1,182145E+09	1,149179E+09
2918	1,070408E+09	9,669474E+08	8,912503E+08	8,912508E+08	9,669330E+08	1,070380E+09	1,149150E+09	1,182124E+09	1,185189E+09	1,185191E+09	1,182135E+09	1,149166E+09
2919	1,070389E+09	9,669173E+08	8,912122E+08	8,912244E+08	9,669360E+08	1,070397E+09	1,149165E+09	1,182132E+09	1,185189E+09	1,185188E+09	1,182131E+09	1,149170E+09
2920	1,070411E+09	9,669586E+08	8,912606E+08	8,912666E+08	9,669762E+08	1,070437E+09	1,149186E+09	1,182135E+09	1,185189E+09	1,185189E+09	1,182131E+09	1,149168E+09
2921	1,070405E+09	9,669528E+08	8,912553E+08	8,912475E+08	9,669323E+08	1,070389E+09	1,149159E+09	1,182125E+09	1,185187E+09	1,185190E+09	1,182133E+09	1,149164E+09
2922	1,070397E+09	9,669425E+08	8,912501E+08	8,912560E+08	9,669514E+08	1,070414E+09	1,149193E+09	1,182163E+09	1,185215E+09	1,185201E+09	1,182130E+09	1,149167E+09
2923	1,070420E+09	9,669849E+08	8,912992E+08	8,913047E+08	9,669913E+08	1,070423E+09	1,149170E+09	1,182140E+09	1,185210E+09	1,185208E+09	1,182135E+09	1,149158E+09
2924	1,070398E+09	9,669610E+08	8,912801E+08	8,912801E+08	9,669616E+08	1,070396E+09	1,149146E+09	1,182119E+09	1,185200E+09	1,185211E+09	1,182148E+09	1,149176E+09
2925	1,070416E+09	9,669792E+08	8,913010E+08	8,913067E+08	9,669947E+08	1,070444E+09	1,149197E+09	1,182146E+09	1,185203E+09	1,185207E+09	1,182151E+09	1,149192E+09
2926	1,070440E+09	9,670057E+08	8,913273E+08	8,913281E+08	9,669941E+08	1,070415E+09	1,149168E+09	1,182139E+09	1,185203E+09	1,185197E+09	1,182132E+09	1,149168E+09
2927	1,070417E+09	9,669814E+08	8,912963E+08	8,912944E+08	9,669741E+08	1,070408E+09	1,149165E+09	1,182139E+09	1,185208E+09	1,185202E+09	1,182130E+09	1,149168E+09
2928	1,070429E+09	9,670129E+08	8,913422E+08	8,913410E+08	9,670144E+08	1,070444E+09	1,149186E+09	1,182141E+09	1,185206E+09	1,185204E+09	1,182134E+09	1,149167E+09
2929	1,070422E+09	9,670016E+08	8,913328E+08	8,913310E+08	9,669880E+08	1,070401E+09	1,149151E+09	1,182121E+09	1,185196E+09	1,185204E+09	1,182140E+09	1,149163E+09
2930	1,070401E+09	9,669649E+08	8,912891E+08	8,913004E+08	9,669871E+08	1,070423E+09	1,149181E+09	1,182149E+09	1,185210E+09	1,185206E+09	1,182138E+09	1,149173E+09
2931	1,070423E+09	9,669943E+08	8,913171E+08	8,913242E+08	9,670157E+08	1,070450E+09	1,149186E+09	1,182137E+09	1,185198E+09	1,185199E+09	1,182135E+09	1,149165E+09
2932	1,070404E+09	9,669637E+08	8,912795E+08	8,912759E+08	9,669564E+08	1,070401E+09	1,149162E+09	1,182128E+09	1,185194E+09	1,185197E+09	1,182137E+09	1,149172E+09
2933	1,070412E+09	9,669622E+08	8,912673E+08	8,912664E+08	9,669588E+08	1,070421E+09	1,149197E+09	1,182158E+09	1,185209E+09	1,185201E+09	1,182137E+09	1,149178E+09
2934	1,070429E+09	9,669878E+08	8,912936E+08	8,912897E+08	9,669661E+08	1,070396E+09	1,149161E+09	1,182142E+09	1,185209E+09	1,185201E+09	1,182129E+09	1,149154E+09
2935	1,070391E+09	9,669465E+08	8,912507E+08	8,912453E+08	9,669356E+08	1,070380E+09	1,149142E+09	1,182121E+09	1,185199E+09	1,185204E+09	1,182139E+09	1,149166E+09
2936	1,070402E+09	9,669595E+08	8,912776E+08	8,912828E+08	9,669749E+08	1,070426E+09	1,149175E+09	1,182123E+09	1,185184E+09	1,185193E+09	1,182139E+09	1,149177E+09
2937	1,070415E+09	9,669652E+08	8,912782E+08	8,912840E+08	9,669635E+08	1,070397E+09	1,149155E+09	1,182114E+09	1,185173E+09	1,185183E+09	1,182134E+09	1,149167E+09
2938	1,070398E+09	9,669389E+08	8,912386E+08	8,912452E+08	9,669478E+08	1,070403E+09	1,149175E+09	1,182144E+09	1,185197E+09	1,185187E+09	1,182123E+09	1,149165E+09
2939	1,070418E+09	9,669842E+08	8,912960E+08	8,912942E+08	9,669902E+08	1,070440E+09	1,149187E+09	1,182141E+09	1,185198E+09	1,185191E+09	1,182120E+09	1,149152E+09
2940	1,070401E+09	9,669720E+08	8,912936E+08	8,912884E+08	9,669591E+08	1,070394E+09	1,149154E+09	1,182125E+09	1,185198E+09	1,185201E+09	1,182130E+09	1,149156E+09

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°
2941	1,070400E+09	9,669645E+08	8,912855E+08	8,912913E+08	9,669736E+08	1,070415E+09	1,149181E+09	1,182150E+09	1,185214E+09	1,185211E+09	1,182142E+09	1,149175E+09
2942	1,070428E+09	9,670054E+08	8,913343E+08	8,913424E+08	9,670173E+08	1,070429E+09	1,149168E+09	1,182139E+09	1,185210E+09	1,185209E+09	1,182138E+09	1,149163E+09
2943	1,070406E+09	9,669786E+08	8,913066E+08	8,913084E+08	9,669837E+08	1,070409E+09	1,149155E+09	1,182124E+09	1,185201E+09	1,185208E+09	1,182144E+09	1,149177E+09
2944	1,070426E+09	9,670016E+08	8,913360E+08	8,913400E+08	9,670111E+08	1,070442E+09	1,149190E+09	1,182143E+09	1,185202E+09	1,185200E+09	1,182138E+09	1,149184E+09
2945	1,070449E+09	9,670335E+08	8,913662E+08	8,913646E+08	9,670180E+08	1,070421E+09	1,149164E+09	1,182132E+09	1,185201E+09	1,185203E+09	1,182134E+09	1,149163E+09
2946	1,070418E+09	9,670021E+08	8,913303E+08	8,913239E+08	9,669886E+08	1,070408E+09	1,149163E+09	1,182142E+09	1,185216E+09	1,185211E+09	1,182135E+09	1,149166E+09
2947	1,070429E+09	9,670273E+08	8,913713E+08	8,913719E+08	9,670387E+08	1,070454E+09	1,149182E+09	1,182137E+09	1,185206E+09	1,185206E+09	1,182132E+09	1,149163E+09
2948	1,070421E+09	9,670110E+08	8,913560E+08	8,913616E+08	9,670181E+08	1,070420E+09	1,149155E+09	1,182119E+09	1,185194E+09	1,185202E+09	1,182135E+09	1,149164E+09
2949	1,070414E+09	9,669843E+08	8,913093E+08	8,913145E+08	9,669949E+08	1,070426E+09	1,149183E+09	1,182149E+09	1,185208E+09	1,185204E+09	1,182139E+09	1,149179E+09
2950	1,070437E+09	9,670187E+08	8,913462E+08	8,913457E+08	9,670223E+08	1,070443E+09	1,149185E+09	1,182150E+09	1,185209E+09	1,185198E+09	1,182126E+09	1,149158E+09
2951	1,070408E+09	9,669833E+08	8,913085E+08	8,912997E+08	9,669655E+08	1,070396E+09	1,149155E+09	1,182129E+09	1,185203E+09	1,185203E+09	1,182133E+09	1,149162E+09
2952	1,070407E+09	9,669766E+08	8,913036E+08	8,913036E+08	9,669740E+08	1,070408E+09	1,149174E+09	1,182141E+09	1,185203E+09	1,185202E+09	1,182135E+09	1,149172E+09
2953	1,070427E+09	9,670025E+08	8,913266E+08	8,913296E+08	9,669996E+08	1,070407E+09	1,149149E+09	1,182118E+09	1,185192E+09	1,185202E+09	1,182138E+09	1,149157E+09
2954	1,070393E+09	9,669579E+08	8,912739E+08	8,912699E+08	9,669569E+08	1,070395E+09	1,149148E+09	1,182118E+09	1,185192E+09	1,185200E+09	1,182139E+09	1,149170E+09
2955	1,070410E+09	9,669762E+08	8,913012E+08	8,913060E+08	9,669968E+08	1,070442E+09	1,149185E+09	1,182129E+09	1,185181E+09	1,185181E+09	1,182124E+09	1,149169E+09
2956	1,070420E+09	9,669856E+08	8,913078E+08	8,913133E+08	9,669883E+08	1,070411E+09	1,149163E+09	1,182125E+09	1,185184E+09	1,185181E+09	1,182117E+09	1,149156E+09
2957	1,070407E+09	9,669654E+08	8,912732E+08	8,912705E+08	9,669576E+08	1,070401E+09	1,149172E+09	1,182148E+09	1,185209E+09	1,185199E+09	1,182127E+09	1,149163E+09
2958	1,070421E+09	9,670061E+08	8,913357E+08	8,913325E+08	9,670080E+08	1,070433E+09	1,149180E+09	1,182149E+09	1,185211E+09	1,185202E+09	1,182125E+09	1,149150E+09
2959	1,070400E+09	9,669845E+08	8,913235E+08	8,913235E+08	9,669854E+08	1,070401E+09	1,149148E+09	1,182122E+09	1,185204E+09	1,185212E+09	1,182141E+09	1,149162E+09
2960	1,070403E+09	9,669788E+08	8,913189E+08	8,913278E+08	9,669969E+08	1,070419E+09	1,149171E+09	1,182134E+09	1,185202E+09	1,185207E+09	1,182144E+09	1,149183E+09
2961	1,070444E+09	9,670316E+08	8,913682E+08	8,913751E+08	9,670419E+08	1,070441E+09	1,149169E+09	1,182128E+09	1,185197E+09	1,185204E+09	1,182139E+09	1,149168E+09
2962	1,070422E+09	9,670085E+08	8,913417E+08	8,913334E+08	9,669945E+08	1,070411E+09	1,149158E+09	1,182132E+09	1,185207E+09	1,185205E+09	1,182134E+09	1,149172E+09
2963	1,070436E+09	9,670317E+08	8,913766E+08	8,913741E+08	9,670309E+08	1,070444E+09	1,149183E+09	1,182142E+09	1,185205E+09	1,185197E+09	1,182123E+09	1,149166E+09
2964	1,070445E+09	9,670534E+08	8,914054E+08	8,914078E+08	9,670504E+08	1,070431E+09	1,149159E+09	1,182129E+09	1,185205E+09	1,185205E+09	1,182125E+09	1,149153E+09
2965	1,070419E+09	9,670183E+08	8,913619E+08	8,913572E+08	9,670129E+08	1,070417E+09	1,149158E+09	1,182135E+09	1,185215E+09	1,185218E+09	1,182142E+09	1,149170E+09
2966	1,070432E+09	9,670386E+08	8,913977E+08	8,914019E+08	9,670592E+08	1,070462E+09	1,149188E+09	1,182144E+09	1,185208E+09	1,185204E+09	1,182131E+09	1,149163E+09
2967	1,070423E+09	9,670197E+08	8,913728E+08	8,913799E+08	9,670324E+08	1,070430E+09	1,149166E+09	1,182131E+09	1,185204E+09	1,185206E+09	1,182133E+09	1,149163E+09
2968	1,070417E+09	9,669998E+08	8,913363E+08	8,913367E+08	9,670013E+08	1,070419E+09	1,149172E+09	1,182145E+09	1,185211E+09	1,185205E+09	1,182133E+09	1,149174E+09
2969	1,070444E+09	9,670402E+08	8,913764E+08	8,913710E+08	9,670347E+08	1,070440E+09	1,149172E+09	1,182137E+09	1,185207E+09	1,185208E+09	1,182134E+09	1,149158E+09
2970	1,070412E+09	9,670000E+08	8,913372E+08	8,913249E+08	9,669760E+08	1,070391E+09	1,149145E+09	1,182125E+09	1,185205E+09	1,185210E+09	1,182139E+09	1,149166E+09
2971	1,070413E+09	9,669916E+08	8,913304E+08	8,913347E+08	9,670006E+08	1,070417E+09	1,149161E+09	1,182125E+09	1,185193E+09	1,185195E+09	1,182131E+09	1,149171E+09
2972	1,070432E+09	9,670161E+08	8,913522E+08	8,913613E+08	9,670316E+08	1,070429E+09	1,149155E+09	1,182112E+09	1,185182E+09	1,185189E+09	1,182125E+09	1,149157E+09
2973	1,070409E+09	9,669808E+08	8,913012E+08	8,912913E+08	9,669699E+08	1,070404E+09	1,149155E+09	1,182122E+09	1,185189E+09	1,185192E+09	1,182131E+09	1,149168E+09
2974	1,070420E+09	9,670005E+08	8,913355E+08	8,913341E+08	9,670078E+08	1,070441E+09	1,149190E+09	1,182147E+09	1,185195E+09	1,185180E+09	1,182109E+09	1,149152E+09
2975	1,070417E+09	9,670030E+08	8,913408E+08	8,913441E+08	9,670050E+08	1,070414E+09	1,149162E+09	1,182134E+09	1,185202E+09	1,185195E+09	1,182115E+09	1,149142E+09
2976	1,070397E+09	9,669790E+08	8,913119E+08	8,913105E+08	9,669769E+08	1,070395E+09	1,149153E+09	1,182136E+09	1,185211E+09	1,185208E+09	1,182132E+09	1,149162E+09

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2977	1,070423E+09	9,670213E+08	8,913679E+08	8,913709E+08	9,670393E+08	1,070445E+09	1,149171E+09	1,182130E+09	1,185204E+09	1,185212E+09	1,182140E+09	1,149161E+09
2978	1,070410E+09	9,670013E+08	8,913507E+08	8,913506E+08	9,670041E+08	1,070411E+09	1,149152E+09	1,182122E+09	1,185202E+09	1,185212E+09	1,182145E+09	1,149173E+09
2979	1,070421E+09	9,670044E+08	8,913494E+08	8,913564E+08	9,670184E+08	1,070428E+09	1,149169E+09	1,182134E+09	1,185200E+09	1,185198E+09	1,182132E+09	1,149179E+09
2980	1,070457E+09	9,670617E+08	8,914080E+08	8,914108E+08	9,670667E+08	1,070452E+09	1,149171E+09	1,182131E+09	1,185203E+09	1,185200E+09	1,182123E+09	1,149159E+09
2981	1,070435E+09	9,670404E+08	8,913851E+08	8,913676E+08	9,670078E+08	1,070409E+09	1,149151E+09	1,182130E+09	1,185213E+09	1,185213E+09	1,182135E+09	1,149167E+09
2982	1,070438E+09	9,670536E+08	8,914184E+08	8,914173E+08	9,670544E+08	1,070444E+09	1,149179E+09	1,182148E+09	1,185214E+09	1,185203E+09	1,182121E+09	1,149158E+09
2983	1,070440E+09	9,670621E+08	8,914327E+08	8,914437E+08	9,670815E+08	1,070447E+09	1,149158E+09	1,182126E+09	1,185209E+09	1,185211E+09	1,182129E+09	1,149150E+09
2984	1,070415E+09	9,670254E+08	8,913865E+08	8,913856E+08	9,670312E+08	1,070424E+09	1,149155E+09	1,182125E+09	1,185207E+09	1,185213E+09	1,182142E+09	1,149174E+09
2985	1,070442E+09	9,670548E+08	8,914191E+08	8,914231E+08	9,670748E+08	1,070471E+09	1,149191E+09	1,182140E+09	1,185204E+09	1,185204E+09	1,182132E+09	1,149165E+09
2986	1,070434E+09	9,670400E+08	8,913969E+08	8,913948E+08	9,670326E+08	1,070424E+09	1,149163E+09	1,182138E+09	1,185214E+09	1,185210E+09	1,182130E+09	1,149160E+09
2987	1,070425E+09	9,670220E+08	8,913662E+08	8,913631E+08	9,670140E+08	1,070413E+09	1,149155E+09	1,182135E+09	1,185212E+09	1,185206E+09	1,182126E+09	1,149164E+09
2988	1,070444E+09	9,670583E+08	8,914097E+08	8,914077E+08	9,670610E+08	1,070447E+09	1,149161E+09	1,182125E+09	1,185203E+09	1,185205E+09	1,182127E+09	1,149155E+09
2989	1,070418E+09	9,670167E+08	8,913659E+08	8,913550E+08	9,669971E+08	1,070400E+09	1,149139E+09	1,182113E+09	1,185197E+09	1,185207E+09	1,182140E+09	1,149170E+09
2990	1,070420E+09	9,670067E+08	8,913576E+08	8,913652E+08	9,670217E+08	1,070429E+09	1,149171E+09	1,182134E+09	1,185190E+09	1,185183E+09	1,182117E+09	1,149164E+09
2991	1,070435E+09	9,670289E+08	8,913737E+08	8,913849E+08	9,670506E+08	1,070445E+09	1,149168E+09	1,182127E+09	1,185193E+09	1,185189E+09	1,182114E+09	1,149146E+09
2992	1,070406E+09	9,669974E+08	8,913331E+08	8,913191E+08	9,669800E+08	1,070402E+09	1,149150E+09	1,182125E+09	1,185199E+09	1,185198E+09	1,182126E+09	1,149160E+09
2993	1,070422E+09	9,670191E+08	8,913677E+08	8,913653E+08	9,670241E+08	1,070442E+09	1,149183E+09	1,182142E+09	1,185204E+09	1,185199E+09	1,182120E+09	1,149151E+09
2994	1,070417E+09	9,670173E+08	8,913701E+08	8,913733E+08	9,670186E+08	1,070412E+09	1,149154E+09	1,182135E+09	1,185214E+09	1,185212E+09	1,182129E+09	1,149151E+09
2995	1,070406E+09	9,669956E+08	8,913399E+08	8,913446E+08	9,670053E+08	1,070403E+09	1,149138E+09	1,182120E+09	1,185205E+09	1,185209E+09	1,182135E+09	1,149169E+09
2996	1,070437E+09	9,670442E+08	8,913991E+08	8,914039E+08	9,670662E+08	1,070462E+09	1,149173E+09	1,182124E+09	1,185195E+09	1,185201E+09	1,182133E+09	1,149169E+09
2997	1,070435E+09	9,670348E+08	8,913880E+08	8,913804E+08	9,670181E+08	1,070415E+09	1,149152E+09	1,182122E+09	1,185200E+09	1,185205E+09	1,182137E+09	1,149174E+09
2998	1,070439E+09	9,670398E+08	8,913960E+08	8,913959E+08	9,670342E+08	1,070425E+09	1,149167E+09	1,182141E+09	1,185206E+09	1,185192E+09	1,182113E+09	1,149161E+09
2999	1,070456E+09	9,670838E+08	8,914492E+08	8,914522E+08	9,670914E+08	1,070460E+09	1,149168E+09	1,182133E+09	1,185213E+09	1,185207E+09	1,182117E+09	1,149141E+09