

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-3000	2,488244E+22	2,559251E+22	2,563493E+22	2,563480E+22	2,559202E+22	2,488153E+22	2,312873E+22	2,080339E+22	1,909359E+22	1,909379E+22	2,080365E+22	2,312861E+22
-2999	2,488091E+22	2,559094E+22	2,563376E+22	2,563442E+22	2,559225E+22	2,488212E+22	2,312947E+22	2,080406E+22	1,909399E+22	1,909388E+22	2,080371E+22	2,312890E+22
-2998	2,488172E+22	2,559227E+22	2,563470E+22	2,563473E+22	2,559235E+22	2,488204E+22	2,312928E+22	2,080399E+22	1,909418E+22	1,909436E+22	2,080458E+22	2,312994E+22
-2997	2,488215E+22	2,559207E+22	2,563437E+22	2,563429E+22	2,559195E+22	2,488200E+22	2,312954E+22	2,080430E+22	1,909437E+22	1,909417E+22	2,080368E+22	2,312867E+22
-2996	2,488110E+22	2,559132E+22	2,563409E+22	2,563420E+22	2,559169E+22	2,488176E+22	2,312970E+22	2,080490E+22	1,909517E+22	1,909497E+22	2,080444E+22	2,312950E+22
-2995	2,488235E+22	2,559276E+22	2,563512E+22	2,563487E+22	2,559192E+22	2,488144E+22	2,312913E+22	2,080454E+22	1,909518E+22	1,909538E+22	2,080504E+22	2,312965E+22
-2994	2,488158E+22	2,559161E+22	2,563422E+22	2,563446E+22	2,559207E+22	2,488191E+22	2,312952E+22	2,080468E+22	1,909516E+22	1,909505E+22	2,080434E+22	2,312890E+22
-2993	2,488116E+22	2,559178E+22	2,563479E+22	2,563476E+22	2,559199E+22	2,488171E+22	2,312941E+22	2,080470E+22	1,909531E+22	1,909544E+22	2,080520E+22	2,313036E+22
-2992	2,488278E+22	2,559271E+22	2,563509E+22	2,563495E+22	2,559213E+22	2,488169E+22	2,312919E+22	2,080433E+22	1,909495E+22	1,909522E+22	2,080479E+22	2,312936E+22
-2991	2,488140E+22	2,559138E+22	2,563396E+22	2,563432E+22	2,559209E+22	2,488215E+22	2,312989E+22	2,080492E+22	1,909508E+22	1,909478E+22	2,080414E+22	2,312895E+22
-2990	2,488163E+22	2,559246E+22	2,563513E+22	2,563490E+22	2,559219E+22	2,488187E+22	2,312948E+22	2,080466E+22	1,909509E+22	1,909505E+22	2,080477E+22	2,312994E+22
-2989	2,488227E+22	2,559237E+22	2,563493E+22	2,563484E+22	2,559213E+22	2,488182E+22	2,312933E+22	2,080437E+22	1,909476E+22	1,909466E+22	2,080394E+22	2,312857E+22
-2988	2,488083E+22	2,559103E+22	2,563393E+22	2,563437E+22	2,559203E+22	2,488191E+22	2,312955E+22	2,080458E+22	1,909483E+22	1,909473E+22	2,080431E+22	2,312924E+22
-2987	2,488188E+22	2,559237E+22	2,563483E+22	2,563477E+22	2,559213E+22	2,488174E+22	2,312914E+22	2,080407E+22	1,909436E+22	1,909458E+22	2,080471E+22	2,312987E+22
-2986	2,488177E+22	2,559152E+22	2,563391E+22	2,563411E+22	2,559196E+22	2,488200E+22	2,312944E+22	2,080407E+22	1,909404E+22	1,909385E+22	2,080350E+22	2,312867E+22
-2985	2,488116E+22	2,559151E+22	2,563421E+22	2,563411E+22	2,559160E+22	2,488160E+22	2,312926E+22	2,080409E+22	1,909414E+22	1,909405E+22	2,080401E+22	2,312968E+22
-2984	2,488273E+22	2,559289E+22	2,563501E+22	2,563463E+22	2,559175E+22	2,488134E+22	2,312874E+22	2,080358E+22	1,909388E+22	1,909412E+22	2,080401E+22	2,312897E+22
-2983	2,488131E+22	2,559147E+22	2,563390E+22	2,563411E+22	2,559188E+22	2,488180E+22	2,312926E+22	2,080399E+22	1,909398E+22	1,909379E+22	2,080345E+22	2,312847E+22
-2982	2,488108E+22	2,559193E+22	2,563479E+22	2,563477E+22	2,559218E+22	2,488172E+22	2,312900E+22	2,080386E+22	1,909414E+22	1,909423E+22	2,080429E+22	2,312987E+22
-2981	2,488234E+22	2,559228E+22	2,563477E+22	2,563482E+22	2,559223E+22	2,488185E+22	2,312907E+22	2,080378E+22	1,909405E+22	1,909416E+22	2,080387E+22	2,312884E+22
-2980	2,488109E+22	2,559096E+22	2,563355E+22	2,563404E+22	2,559194E+22	2,488201E+22	2,312965E+22	2,080450E+22	1,909457E+22	1,909441E+22	2,080404E+22	2,312907E+22
-2979	2,488180E+22	2,559242E+22	2,563485E+22	2,563461E+22	2,559194E+22	2,488174E+22	2,312947E+22	2,080460E+22	1,909489E+22	1,909490E+22	2,080477E+22	2,312991E+22
-2978	2,488203E+22	2,559203E+22	2,563450E+22	2,563441E+22	2,559188E+22	2,488183E+22	2,312958E+22	2,080476E+22	1,909518E+22	1,909500E+22	2,080412E+22	2,312863E+22
-2977	2,488089E+22	2,559139E+22	2,563440E+22	2,563443E+22	2,559172E+22	2,488157E+22	2,312949E+22	2,080497E+22	1,909561E+22	1,909558E+22	2,080493E+22	2,312972E+22
-2976	2,488233E+22	2,559276E+22	2,563531E+22	2,563512E+22	2,559213E+22	2,488153E+22	2,312908E+22	2,080454E+22	1,909551E+22	1,909594E+22	2,080549E+22	2,312986E+22
-2975	2,488156E+22	2,559148E+22	2,563411E+22	2,563441E+22	2,559209E+22	2,488201E+22	2,312972E+22	2,080500E+22	1,909557E+22	1,909550E+22	2,080471E+22	2,312915E+22
-2974	2,488125E+22	2,559171E+22	2,563465E+22	2,563479E+22	2,559221E+22	2,488191E+22	2,312963E+22	2,080503E+22	1,909568E+22	1,909566E+22	2,080518E+22	2,313031E+22
-2973	2,488283E+22	2,559284E+22	2,563520E+22	2,563499E+22	2,559218E+22	2,488186E+22	2,312953E+22	2,080484E+22	1,909551E+22	1,909555E+22	2,080481E+22	2,312926E+22
-2972	2,488133E+22	2,559142E+22	2,563404E+22	2,563421E+22	2,559181E+22	2,488189E+22	2,312990E+22	2,080527E+22	1,909568E+22	1,909540E+22	2,080451E+22	2,312895E+22
-2971	2,488134E+22	2,559223E+22	2,563520E+22	2,563499E+22	2,559205E+22	2,488168E+22	2,312952E+22	2,080499E+22	1,909559E+22	1,909558E+22	2,080513E+22	2,313004E+22
-2970	2,488206E+22	2,559200E+22	2,563471E+22	2,563481E+22	2,559222E+22	2,488191E+22	2,312942E+22	2,080458E+22	1,909519E+22	1,909524E+22	2,080442E+22	2,312879E+22
-2969	2,488085E+22	2,559102E+22	2,563384E+22	2,563414E+22	2,559182E+22	2,488180E+22	2,312949E+22	2,080457E+22	1,909494E+22	1,909493E+22	2,080454E+22	2,312954E+22
-2968	2,488221E+22	2,559259E+22	2,563490E+22	2,563464E+22	2,559196E+22	2,488163E+22	2,312911E+22	2,080414E+22	1,909461E+22	1,909486E+22	2,080479E+22	2,312985E+22
-2967	2,488190E+22	2,559174E+22	2,563406E+22	2,563399E+22	2,559166E+22	2,488174E+22	2,312944E+22	2,080439E+22	1,909452E+22	1,909426E+22	2,080366E+22	2,312860E+22
-2966	2,488104E+22	2,559151E+22	2,563442E+22	2,563447E+22	2,559183E+22	2,488153E+22	2,312917E+22	2,080426E+22	1,909453E+22	1,909442E+22	2,080409E+22	2,312951E+22
-2965	2,488250E+22	2,559281E+22	2,563522E+22	2,563502E+22	2,559214E+22	2,488157E+22	2,312888E+22	2,080384E+22	1,909432E+22	1,909455E+22	2,080428E+22	2,312904E+22

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2964	2,488116E+22	2,559128E+22	2,563383E+22	2,563408E+22	2,559189E+22	2,488187E+22	2,312939E+22	2,080424E+22	1,909442E+22	1,909435E+22	2,080395E+22	2,312873E+22
-2963	2,488099E+22	2,559168E+22	2,563470E+22	2,563471E+22	2,559208E+22	2,488182E+22	2,312940E+22	2,080438E+22	1,909465E+22	1,909467E+22	2,080454E+22	2,312999E+22
-2962	2,488236E+22	2,559213E+22	2,563457E+22	2,563464E+22	2,559219E+22	2,488197E+22	2,312941E+22	2,080437E+22	1,909479E+22	1,909481E+22	2,080419E+22	2,312882E+22
-2961	2,488109E+22	2,559119E+22	2,563374E+22	2,563388E+22	2,559160E+22	2,488176E+22	2,312966E+22	2,080486E+22	1,909519E+22	1,909501E+22	2,080437E+22	2,312915E+22
-2960	2,488184E+22	2,559256E+22	2,563515E+22	2,563477E+22	2,559182E+22	2,488147E+22	2,312930E+22	2,080480E+22	1,909556E+22	1,909570E+22	2,080523E+22	2,312994E+22
-2959	2,488187E+22	2,559187E+22	2,563451E+22	2,563449E+22	2,559184E+22	2,488164E+22	2,312948E+22	2,080500E+22	1,909579E+22	1,909576E+22	2,080477E+22	2,312894E+22
-2958	2,488082E+22	2,559114E+22	2,563432E+22	2,563466E+22	2,559205E+22	2,488171E+22	2,312948E+22	2,080505E+22	1,909589E+22	1,909597E+22	2,080528E+22	2,312999E+22
-2957	2,488247E+22	2,559274E+22	2,563530E+22	2,563518E+22	2,559231E+22	2,488181E+22	2,312940E+22	2,080486E+22	1,909582E+22	1,909616E+22	2,080564E+22	2,313005E+22
-2956	2,488178E+22	2,559164E+22	2,563412E+22	2,563419E+22	2,559185E+22	2,488195E+22	2,312992E+22	2,080538E+22	1,909603E+22	1,909586E+22	2,080489E+22	2,312919E+22
-2955	2,488128E+22	2,559186E+22	2,563492E+22	2,563482E+22	2,559196E+22	2,488180E+22	2,312991E+22	2,080559E+22	1,909626E+22	1,909606E+22	2,080520E+22	2,313006E+22
-2954	2,488259E+22	2,559269E+22	2,563527E+22	2,563516E+22	2,559226E+22	2,488186E+22	2,312965E+22	2,080527E+22	1,909619E+22	1,909622E+22	2,080512E+22	2,312907E+22
-2953	2,488103E+22	2,559137E+22	2,563417E+22	2,563430E+22	2,559181E+22	2,488180E+22	2,312980E+22	2,080536E+22	1,909604E+22	1,909590E+22	2,080494E+22	2,312916E+22
-2952	2,488130E+22	2,559206E+22	2,563516E+22	2,563502E+22	2,559207E+22	2,488168E+22	2,312947E+22	2,080502E+22	1,909588E+22	1,909604E+22	2,080549E+22	2,313020E+22
-2951	2,488205E+22	2,559176E+22	2,563443E+22	2,563457E+22	2,559201E+22	2,488184E+22	2,312954E+22	2,080485E+22	1,909555E+22	1,909561E+22	2,080478E+22	2,312905E+22
-2950	2,488102E+22	2,559099E+22	2,563374E+22	2,563413E+22	2,559185E+22	2,488177E+22	2,312953E+22	2,080476E+22	1,909520E+22	1,909512E+22	2,080455E+22	2,312951E+22
-2949	2,488233E+22	2,559282E+22	2,563513E+22	2,563471E+22	2,559188E+22	2,488159E+22	2,312923E+22	2,080446E+22	1,909502E+22	1,909515E+22	2,080486E+22	2,312977E+22
-2948	2,488183E+22	2,559183E+22	2,563429E+22	2,563407E+22	2,559148E+22	2,488145E+22	2,312931E+22	2,080458E+22	1,909500E+22	1,909482E+22	2,080405E+22	2,312863E+22
-2947	2,488082E+22	2,559133E+22	2,563455E+22	2,563468E+22	2,559186E+22	2,488151E+22	2,312926E+22	2,080452E+22	1,909496E+22	1,909488E+22	2,080438E+22	2,312952E+22
-2946	2,488228E+22	2,559244E+22	2,563503E+22	2,563510E+22	2,559238E+22	2,488184E+22	2,312912E+22	2,080415E+22	1,909479E+22	1,909509E+22	2,080467E+22	2,312915E+22
-2945	2,488117E+22	2,559127E+22	2,563377E+22	2,563392E+22	2,559176E+22	2,488189E+22	2,312955E+22	2,080449E+22	1,909476E+22	1,909470E+22	2,080424E+22	2,312896E+22
-2944	2,488121E+22	2,559176E+22	2,563471E+22	2,563459E+22	2,559189E+22	2,488175E+22	2,312951E+22	2,080474E+22	1,909523E+22	1,909520E+22	2,080476E+22	2,312993E+22
-2943	2,488233E+22	2,559217E+22	2,563463E+22	2,563453E+22	2,559188E+22	2,488173E+22	2,312952E+22	2,080488E+22	1,909555E+22	1,909555E+22	2,080463E+22	2,312889E+22
-2942	2,488099E+22	2,559110E+22	2,563388E+22	2,563418E+22	2,559175E+22	2,488162E+22	2,312955E+22	2,080508E+22	1,909574E+22	1,909562E+22	2,080472E+22	2,312919E+22
-2941	2,488179E+22	2,559255E+22	2,563531E+22	2,563504E+22	2,559205E+22	2,488160E+22	2,312939E+22	2,080506E+22	1,909603E+22	1,909624E+22	2,080570E+22	2,313021E+22
-2940	2,488191E+22	2,559182E+22	2,563452E+22	2,563448E+22	2,559178E+22	2,488161E+22	2,312955E+22	2,080524E+22	1,909622E+22	1,909630E+22	2,080529E+22	2,312929E+22
-2939	2,488093E+22	2,559108E+22	2,563432E+22	2,563465E+22	2,559198E+22	2,488181E+22	2,312986E+22	2,080552E+22	1,909633E+22	1,909627E+22	2,080539E+22	2,313001E+22
-2938	2,488255E+22	2,559277E+22	2,563528E+22	2,563516E+22	2,559234E+22	2,488198E+22	2,312978E+22	2,080544E+22	1,909648E+22	1,909666E+22	2,080579E+22	2,312986E+22
-2937	2,488171E+22	2,559190E+22	2,563441E+22	2,563416E+22	2,559157E+22	2,488174E+22	2,312997E+22	2,080573E+22	1,909656E+22	1,909635E+22	2,080510E+22	2,312910E+22
-2936	2,488110E+22	2,559178E+22	2,563510E+22	2,563503E+22	2,559194E+22	2,488160E+22	2,312977E+22	2,080580E+22	1,909688E+22	1,909676E+22	2,080556E+22	2,312992E+22
-2935	2,488223E+22	2,559235E+22	2,563512E+22	2,563516E+22	2,559224E+22	2,488175E+22	2,312959E+22	2,080548E+22	1,909670E+22	1,909688E+22	2,080572E+22	2,312935E+22
-2934	2,488091E+22	2,559097E+22	2,563389E+22	2,563434E+22	2,559196E+22	2,488183E+22	2,312975E+22	2,080538E+22	1,909623E+22	1,909618E+22	2,080522E+22	2,312942E+22
-2933	2,488151E+22	2,559207E+22	2,563502E+22	2,563490E+22	2,559203E+22	2,488176E+22	2,312966E+22	2,080526E+22	1,909608E+22	1,909617E+22	2,080566E+22	2,313044E+22
-2932	2,488232E+22	2,559197E+22	2,563445E+22	2,563431E+22	2,559161E+22	2,488154E+22	2,312953E+22	2,080510E+22	1,909589E+22	1,909589E+22	2,080496E+22	2,312913E+22
-2931	2,488110E+22	2,559118E+22	2,563406E+22	2,563423E+22	2,559162E+22	2,488159E+22	2,312965E+22	2,080508E+22	1,909559E+22	1,909539E+22	2,080457E+22	2,312928E+22
-2930	2,488214E+22	2,559278E+22	2,563533E+22	2,563504E+22	2,559210E+22	2,488165E+22	2,312930E+22	2,080473E+22	1,909551E+22	1,909568E+22	2,080513E+22	2,312957E+22
-2929	2,488157E+22	2,559185E+22	2,563448E+22	2,563427E+22	2,559160E+22	2,488150E+22	2,312930E+22	2,080465E+22	1,909527E+22	1,909522E+22	2,080442E+22	2,312880E+22

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-2928	2,488077E+22	2,559114E+22	2,563452E+22	2,563480E+22	2,559203E+22	2,488167E+22	2,312937E+22	2,080474E+22	1,909539E+22	1,909537E+22	2,080469E+22	2,312957E+22
-2927	2,488219E+22	2,559218E+22	2,563472E+22	2,563490E+22	2,559229E+22	2,488191E+22	2,312944E+22	2,080468E+22	1,909538E+22	1,909560E+22	2,080504E+22	2,312935E+22
-2926	2,488125E+22	2,559117E+22	2,563363E+22	2,563388E+22	2,559172E+22	2,488186E+22	2,312972E+22	2,080494E+22	1,909533E+22	1,909515E+22	2,080442E+22	2,312897E+22
-2925	2,488128E+22	2,559193E+22	2,563487E+22	2,563460E+22	2,559170E+22	2,488162E+22	2,312968E+22	2,080525E+22	1,909589E+22	1,909578E+22	2,080513E+22	2,312999E+22
-2924	2,488222E+22	2,559217E+22	2,563476E+22	2,563455E+22	2,559161E+22	2,488134E+22	2,312936E+22	2,080517E+22	1,909621E+22	1,909634E+22	2,080530E+22	2,312917E+22
-2923	2,488093E+22	2,559101E+22	2,563399E+22	2,563432E+22	2,559173E+22	2,488157E+22	2,312961E+22	2,080530E+22	1,909620E+22	1,909618E+22	2,080516E+22	2,312939E+22
-2922	2,488178E+22	2,559239E+22	2,563521E+22	2,563511E+22	2,559222E+22	2,488178E+22	2,312957E+22	2,080533E+22	1,909647E+22	1,909674E+22	2,080606E+22	2,313033E+22
-2921	2,488205E+22	2,559204E+22	2,563462E+22	2,563443E+22	2,559167E+22	2,488158E+22	2,312965E+22	2,080548E+22	1,909653E+22	1,909658E+22	2,080548E+22	2,312944E+22
-2920	2,488114E+22	2,559131E+22	2,563452E+22	2,563472E+22	2,559188E+22	2,488171E+22	2,312992E+22	2,080591E+22	1,909693E+22	1,909673E+22	2,080544E+22	2,312973E+22
-2919	2,488228E+22	2,559271E+22	2,563538E+22	2,563522E+22	2,559222E+22	2,488184E+22	2,312991E+22	2,080596E+22	1,909721E+22	1,909730E+22	2,080611E+22	2,312978E+22
-2918	2,488141E+22	2,559161E+22	2,563446E+22	2,563453E+22	2,559183E+22	2,488171E+22	2,312994E+22	2,080597E+22	1,909707E+22	1,909690E+22	2,080543E+22	2,312910E+22
-2917	2,488091E+22	2,559159E+22	2,563502E+22	2,563513E+22	2,559210E+22	2,488176E+22	2,312993E+22	2,080604E+22	1,909724E+22	1,909721E+22	2,080606E+22	2,313021E+22
-2916	2,488215E+22	2,559212E+22	2,563488E+22	2,563495E+22	2,559205E+22	2,488166E+22	2,312964E+22	2,080566E+22	1,909703E+22	1,909732E+22	2,080623E+22	2,312979E+22
-2915	2,488113E+22	2,559096E+22	2,563374E+22	2,563412E+22	2,559174E+22	2,488181E+22	2,312997E+22	2,080568E+22	1,909652E+22	1,909637E+22	2,080530E+22	2,312949E+22
-2914	2,488169E+22	2,559224E+22	2,563502E+22	2,563479E+22	2,559191E+22	2,488173E+22	2,312981E+22	2,080562E+22	1,909655E+22	1,909653E+22	2,080573E+22	2,313027E+22
-2913	2,488235E+22	2,559236E+22	2,563482E+22	2,563440E+22	2,559137E+22	2,488122E+22	2,312940E+22	2,080525E+22	1,909624E+22	1,909624E+22	2,080512E+22	2,312910E+22
-2912	2,488101E+22	2,559121E+22	2,563432E+22	2,563458E+22	2,559173E+22	2,488142E+22	2,312944E+22	2,080521E+22	1,909607E+22	1,909590E+22	2,080481E+22	2,312913E+22
-2911	2,488176E+22	2,559246E+22	2,563521E+22	2,563515E+22	2,559226E+22	2,488175E+22	2,312940E+22	2,080497E+22	1,909595E+22	1,909619E+22	2,080558E+22	2,312978E+22
-2910	2,488143E+22	2,559149E+22	2,563425E+22	2,563439E+22	2,559184E+22	2,488169E+22	2,312946E+22	2,080484E+22	1,909554E+22	1,909550E+22	2,080463E+22	2,312895E+22
-2909	2,488090E+22	2,559114E+22	2,563434E+22	2,563465E+22	2,559198E+22	2,488183E+22	2,312974E+22	2,080521E+22	1,909581E+22	1,909567E+22	2,080494E+22	2,312971E+22
-2908	2,488226E+22	2,559229E+22	2,563469E+22	2,563463E+22	2,559187E+22	2,488162E+22	2,312952E+22	2,080515E+22	1,909604E+22	1,909617E+22	2,080541E+22	2,312949E+22
-2907	2,488127E+22	2,559126E+22	2,563381E+22	2,563389E+22	2,559145E+22	2,488162E+22	2,312981E+22	2,080536E+22	1,909599E+22	1,909574E+22	2,080467E+22	2,312890E+22
-2906	2,488115E+22	2,559193E+22	2,563502E+22	2,563485E+22	2,559182E+22	2,488155E+22	2,312967E+22	2,080557E+22	1,909656E+22	1,909653E+22	2,080562E+22	2,313002E+22
-2905	2,488215E+22	2,559230E+22	2,563495E+22	2,563469E+22	2,559160E+22	2,488123E+22	2,312925E+22	2,080524E+22	1,909655E+22	1,909684E+22	2,080579E+22	2,312950E+22
-2904	2,488100E+22	2,559097E+22	2,563406E+22	2,563451E+22	2,559186E+22	2,488161E+22	2,312963E+22	2,080553E+22	1,909667E+22	1,909664E+22	2,080543E+22	2,312946E+22
-2903	2,488174E+22	2,559230E+22	2,563510E+22	2,563508E+22	2,559225E+22	2,488190E+22	2,312986E+22	2,080582E+22	1,909705E+22	1,909722E+22	2,080633E+22	2,313042E+22
-2902	2,488205E+22	2,559200E+22	2,563466E+22	2,563458E+22	2,559174E+22	2,488161E+22	2,312984E+22	2,080591E+22	1,909710E+22	1,909700E+22	2,080556E+22	2,312930E+22
-2901	2,488106E+22	2,559139E+22	2,563467E+22	2,563486E+22	2,559188E+22	2,488171E+22	2,313014E+22	2,080641E+22	1,909758E+22	1,909732E+22	2,080582E+22	2,312970E+22
-2900	2,488194E+22	2,559249E+22	2,563534E+22	2,563524E+22	2,559208E+22	2,488158E+22	2,312982E+22	2,080626E+22	1,909785E+22	1,909804E+22	2,080673E+22	2,313007E+22
-2899	2,488127E+22	2,559133E+22	2,563428E+22	2,563445E+22	2,559178E+22	2,488174E+22	2,313005E+22	2,080617E+22	1,909747E+22	1,909737E+22	2,080584E+22	2,312936E+22
-2898	2,488095E+22	2,559143E+22	2,563477E+22	2,563498E+22	2,559208E+22	2,488184E+22	2,313008E+22	2,080628E+22	1,909760E+22	1,909760E+22	2,080636E+22	2,313039E+22
-2897	2,488240E+22	2,559243E+22	2,563490E+22	2,563471E+22	2,559173E+22	2,488144E+22	2,312962E+22	2,080579E+22	1,909722E+22	1,909748E+22	2,080636E+22	2,312999E+22
-2896	2,488140E+22	2,559132E+22	2,563403E+22	2,563419E+22	2,559158E+22	2,488156E+22	2,312984E+22	2,080589E+22	1,909696E+22	1,909667E+22	2,080526E+22	2,312925E+22
-2895	2,488152E+22	2,559231E+22	2,563524E+22	2,563499E+22	2,559191E+22	2,488159E+22	2,312979E+22	2,080590E+22	1,909705E+22	1,909698E+22	2,080593E+22	2,313018E+22
-2894	2,488208E+22	2,559217E+22	2,563498E+22	2,563490E+22	2,559176E+22	2,488129E+22	2,312935E+22	2,080536E+22	1,909656E+22	1,909658E+22	2,080530E+22	2,312906E+22
-2893	2,488083E+22	2,559109E+22	2,563431E+22	2,563478E+22	2,559203E+22	2,488172E+22	2,312971E+22	2,080548E+22	1,909637E+22	1,909626E+22	2,080519E+22	2,312928E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2892	2,488150E+22	2,559213E+22	2,563496E+22	2,563500E+22	2,559218E+22	2,488178E+22	2,312962E+22	2,080535E+22	1,909641E+22	1,909664E+22	2,080598E+22	2,313009E+22
-2891	2,488154E+22	2,559141E+22	2,563403E+22	2,563411E+22	2,559167E+22	2,488179E+22	2,312984E+22	2,080534E+22	1,909608E+22	1,909589E+22	2,080479E+22	2,312899E+22
-2890	2,488096E+22	2,559124E+22	2,563426E+22	2,563442E+22	2,559174E+22	2,488172E+22	2,312992E+22	2,080572E+22	1,909653E+22	1,909630E+22	2,080518E+22	2,312961E+22
-2889	2,488220E+22	2,559255E+22	2,563493E+22	2,563462E+22	2,559152E+22	2,488118E+22	2,312931E+22	2,080536E+22	1,909660E+22	1,909681E+22	2,080586E+22	2,312967E+22
-2888	2,488124E+22	2,559131E+22	2,563403E+22	2,563418E+22	2,559148E+22	2,488129E+22	2,312944E+22	2,080547E+22	1,909659E+22	1,909643E+22	2,080512E+22	2,312897E+22
-2887	2,488093E+22	2,559170E+22	2,563493E+22	2,563494E+22	2,559195E+22	2,488156E+22	2,312964E+22	2,080573E+22	1,909700E+22	1,909710E+22	2,080614E+22	2,313038E+22
-2886	2,488216E+22	2,559210E+22	2,563490E+22	2,563494E+22	2,559186E+22	2,488138E+22	2,312938E+22	2,080542E+22	1,909682E+22	1,909710E+22	2,080597E+22	2,312967E+22
-2885	2,488122E+22	2,559116E+22	2,563410E+22	2,563452E+22	2,559190E+22	2,488180E+22	2,313001E+22	2,080602E+22	1,909709E+22	1,909694E+22	2,080562E+22	2,312947E+22
-2884	2,488162E+22	2,559236E+22	2,563519E+22	2,563500E+22	2,559201E+22	2,488175E+22	2,313005E+22	2,080637E+22	1,909777E+22	1,909780E+22	2,080660E+22	2,313043E+22
-2883	2,488193E+22	2,559200E+22	2,563478E+22	2,563464E+22	2,559170E+22	2,488162E+22	2,313005E+22	2,080637E+22	1,909780E+22	1,909763E+22	2,080582E+22	2,312917E+22
-2882	2,488081E+22	2,559124E+22	2,563462E+22	2,563495E+22	2,559202E+22	2,488179E+22	2,313026E+22	2,080679E+22	1,909825E+22	1,909806E+22	2,080630E+22	2,312977E+22
-2881	2,488181E+22	2,559246E+22	2,563531E+22	2,563517E+22	2,559198E+22	2,488148E+22	2,312978E+22	2,080638E+22	1,909820E+22	1,909852E+22	2,080722E+22	2,313051E+22
-2880	2,488144E+22	2,559130E+22	2,563423E+22	2,563444E+22	2,559171E+22	2,488160E+22	2,312998E+22	2,080640E+22	1,909791E+22	1,909776E+22	2,080605E+22	2,312950E+22
-2879	2,488105E+22	2,559145E+22	2,563468E+22	2,563482E+22	2,559194E+22	2,488178E+22	2,313021E+22	2,080663E+22	1,909805E+22	1,909797E+22	2,080656E+22	2,313051E+22
-2878	2,488247E+22	2,559255E+22	2,563512E+22	2,563490E+22	2,559169E+22	2,488131E+22	2,312962E+22	2,080602E+22	1,909759E+22	1,909775E+22	2,080635E+22	2,312982E+22
-2877	2,488134E+22	2,559153E+22	2,563437E+22	2,563448E+22	2,559166E+22	2,488153E+22	2,312991E+22	2,080616E+22	1,909735E+22	1,909710E+22	2,080554E+22	2,312916E+22
-2876	2,488112E+22	2,559208E+22	2,563528E+22	2,563514E+22	2,559198E+22	2,488151E+22	2,312971E+22	2,080607E+22	1,909750E+22	1,909752E+22	2,080636E+22	2,313037E+22
-2875	2,488191E+22	2,559186E+22	2,563476E+22	2,563483E+22	2,559191E+22	2,488156E+22	2,312955E+22	2,080553E+22	1,909687E+22	1,909693E+22	2,080554E+22	2,312918E+22
-2874	2,488080E+22	2,559091E+22	2,563402E+22	2,563458E+22	2,559206E+22	2,488191E+22	2,313001E+22	2,080586E+22	1,909682E+22	1,909667E+22	2,080542E+22	2,312939E+22
-2873	2,488163E+22	2,559229E+22	2,563487E+22	2,563468E+22	2,559180E+22	2,488155E+22	2,312965E+22	2,080564E+22	1,909681E+22	1,909697E+22	2,080617E+22	2,313026E+22
-2872	2,488167E+22	2,559160E+22	2,563420E+22	2,563409E+22	2,559139E+22	2,488141E+22	2,312968E+22	2,080568E+22	1,909675E+22	1,909644E+22	2,080495E+22	2,312887E+22
-2871	2,488077E+22	2,559123E+22	2,563442E+22	2,563455E+22	2,559167E+22	2,488150E+22	2,312983E+22	2,080599E+22	1,909715E+22	1,909698E+22	2,080564E+22	2,312974E+22
-2870	2,488202E+22	2,559240E+22	2,563510E+22	2,563499E+22	2,559176E+22	2,488115E+22	2,312919E+22	2,080542E+22	1,909696E+22	1,909729E+22	2,080621E+22	2,312984E+22
-2869	2,488125E+22	2,559133E+22	2,563415E+22	2,563439E+22	2,559175E+22	2,488153E+22	2,312963E+22	2,080567E+22	1,909688E+22	1,909685E+22	2,080556E+22	2,312923E+22
-2868	2,488087E+22	2,559155E+22	2,563481E+22	2,563490E+22	2,559195E+22	2,488162E+22	2,312985E+22	2,080611E+22	1,909749E+22	1,909753E+22	2,080644E+22	2,313064E+22
-2867	2,488234E+22	2,559215E+22	2,563480E+22	2,563476E+22	2,559185E+22	2,488161E+22	2,312979E+22	2,080596E+22	1,909742E+22	1,909751E+22	2,080603E+22	2,312956E+22
-2866	2,488118E+22	2,559130E+22	2,563421E+22	2,563447E+22	2,559181E+22	2,488183E+22	2,313034E+22	2,080668E+22	1,909794E+22	1,909765E+22	2,080585E+22	2,312929E+22
-2865	2,488139E+22	2,559240E+22	2,563538E+22	2,563505E+22	2,559178E+22	2,488144E+22	2,312999E+22	2,080673E+22	1,909846E+22	1,909853E+22	2,080707E+22	2,313055E+22
-2864	2,488177E+22	2,559186E+22	2,563485E+22	2,563480E+22	2,559173E+22	2,488139E+22	2,312984E+22	2,080662E+22	1,909849E+22	1,909839E+22	2,080633E+22	2,312931E+22
-2863	2,488062E+22	2,559095E+22	2,563440E+22	2,563484E+22	2,559202E+22	2,488180E+22	2,313029E+22	2,080699E+22	1,909871E+22	1,909865E+22	2,080684E+22	2,313017E+22
-2862	2,488191E+22	2,559231E+22	2,563523E+22	2,563519E+22	2,559197E+22	2,488147E+22	2,312983E+22	2,080652E+22	1,909843E+22	1,909874E+22	2,080738E+22	2,313073E+22
-2861	2,488178E+22	2,559163E+22	2,563439E+22	2,563442E+22	2,559162E+22	2,488158E+22	2,313013E+22	2,080668E+22	1,909819E+22	1,909800E+22	2,080620E+22	2,312950E+22
-2860	2,488098E+22	2,559156E+22	2,563489E+22	2,563486E+22	2,559173E+22	2,488152E+22	2,313017E+22	2,080692E+22	1,909853E+22	1,909838E+22	2,080671E+22	2,313049E+22
-2859	2,488240E+22	2,559257E+22	2,563531E+22	2,563509E+22	2,559185E+22	2,488142E+22	2,312971E+22	2,080624E+22	1,909801E+22	1,909817E+22	2,080649E+22	2,312964E+22
-2858	2,488108E+22	2,559139E+22	2,563440E+22	2,563463E+22	2,559191E+22	2,488174E+22	2,313008E+22	2,080641E+22	1,909779E+22	1,909759E+22	2,080583E+22	2,312913E+22
-2857	2,488089E+22	2,559187E+22	2,563516E+22	2,563507E+22	2,559196E+22	2,488155E+22	2,312980E+22	2,080621E+22	1,909776E+22	1,909787E+22	2,080668E+22	2,313064E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2856	2,488198E+22	2,559173E+22	2,563462E+22	2,563474E+22	2,559184E+22	2,488149E+22	2,312961E+22	2,080586E+22	1,909736E+22	1,909731E+22	2,080570E+22	2,312923E+22
-2855	2,488082E+22	2,559084E+22	2,563379E+22	2,563424E+22	2,559181E+22	2,488185E+22	2,313017E+22	2,080628E+22	1,909738E+22	1,909716E+22	2,080569E+22	2,312950E+22
-2854	2,488163E+22	2,559229E+22	2,563503E+22	2,563473E+22	2,559160E+22	2,488130E+22	2,312962E+22	2,080591E+22	1,909730E+22	1,909742E+22	2,080634E+22	2,313026E+22
-2853	2,488169E+22	2,559175E+22	2,563449E+22	2,563429E+22	2,559135E+22	2,488121E+22	2,312961E+22	2,080589E+22	1,909718E+22	1,909703E+22	2,080545E+22	2,312897E+22
-2852	2,488051E+22	2,559103E+22	2,563446E+22	2,563467E+22	2,559168E+22	2,488134E+22	2,312967E+22	2,080610E+22	1,909758E+22	1,909758E+22	2,080617E+22	2,313008E+22
-2851	2,488208E+22	2,559227E+22	2,563500E+22	2,563495E+22	2,559192E+22	2,488143E+22	2,312938E+22	2,080559E+22	1,909727E+22	1,909766E+22	2,080646E+22	2,312998E+22
-2850	2,488136E+22	2,559138E+22	2,563411E+22	2,563433E+22	2,559182E+22	2,488176E+22	2,313000E+22	2,080613E+22	1,909739E+22	1,909726E+22	2,080571E+22	2,312924E+22
-2849	2,488098E+22	2,559176E+22	2,563492E+22	2,563478E+22	2,559173E+22	2,488152E+22	2,313002E+22	2,080656E+22	1,909806E+22	1,909797E+22	2,080658E+22	2,313062E+22
-2848	2,488235E+22	2,559230E+22	2,563509E+22	2,563492E+22	2,559174E+22	2,488135E+22	2,312979E+22	2,080650E+22	1,909829E+22	1,909820E+22	2,080623E+22	2,312935E+22
-2847	2,488085E+22	2,559114E+22	2,563429E+22	2,563461E+22	2,559185E+22	2,488177E+22	2,313041E+22	2,080713E+22	1,909873E+22	1,909850E+22	2,080642E+22	2,312942E+22
-2846	2,488110E+22	2,559207E+22	2,563543E+22	2,563531E+22	2,559194E+22	2,488146E+22	2,312999E+22	2,080693E+22	1,909894E+22	1,909914E+22	2,080754E+22	2,313079E+22
-2845	2,488178E+22	2,559177E+22	2,563485E+22	2,563487E+22	2,559182E+22	2,488152E+22	2,313004E+22	2,080686E+22	1,909882E+22	1,909891E+22	2,080690E+22	2,312967E+22
-2844	2,488066E+22	2,559082E+22	2,563425E+22	2,563468E+22	2,559187E+22	2,488172E+22	2,313038E+22	2,080728E+22	1,909914E+22	1,909909E+22	2,080719E+22	2,313050E+22
-2843	2,488221E+22	2,559246E+22	2,563516E+22	2,563493E+22	2,559185E+22	2,488157E+22	2,313002E+22	2,080684E+22	1,909884E+22	1,909905E+22	2,080740E+22	2,313060E+22
-2842	2,488181E+22	2,559187E+22	2,563466E+22	2,563450E+22	2,559155E+22	2,488153E+22	2,313027E+22	2,080707E+22	1,909876E+22	1,909849E+22	2,080632E+22	2,312931E+22
-2841	2,488083E+22	2,559161E+22	2,563512E+22	2,563503E+22	2,559165E+22	2,488126E+22	2,313001E+22	2,080704E+22	1,909891E+22	1,909883E+22	2,080699E+22	2,313050E+22
-2840	2,488222E+22	2,559237E+22	2,563533E+22	2,563528E+22	2,559198E+22	2,488132E+22	2,312958E+22	2,080639E+22	1,909844E+22	1,909861E+22	2,080676E+22	2,312966E+22
-2839	2,488085E+22	2,559104E+22	2,563414E+22	2,563451E+22	2,559197E+22	2,488191E+22	2,313027E+22	2,080665E+22	1,909812E+22	1,909800E+22	2,080621E+22	2,312940E+22
-2838	2,488088E+22	2,559161E+22	2,563501E+22	2,563497E+22	2,559186E+22	2,488158E+22	2,312997E+22	2,080645E+22	1,909800E+22	1,909806E+22	2,080676E+22	2,313070E+22
-2837	2,488217E+22	2,559195E+22	2,563472E+22	2,563461E+22	2,559163E+22	2,488142E+22	2,312978E+22	2,080620E+22	1,909772E+22	1,909769E+22	2,080595E+22	2,312921E+22
-2836	2,488072E+22	2,559087E+22	2,563393E+22	2,563421E+22	2,559151E+22	2,488150E+22	2,313007E+22	2,080656E+22	1,909794E+22	1,909772E+22	2,080599E+22	2,312958E+22
-2835	2,488165E+22	2,559230E+22	2,563511E+22	2,563480E+22	2,559167E+22	2,488132E+22	2,312959E+22	2,080608E+22	1,909775E+22	1,909794E+22	2,080663E+22	2,313023E+22
-2834	2,488160E+22	2,559174E+22	2,563464E+22	2,563450E+22	2,559156E+22	2,488135E+22	2,312972E+22	2,080612E+22	1,909763E+22	1,909757E+22	2,080583E+22	2,312910E+22
-2833	2,488050E+22	2,559096E+22	2,563450E+22	2,563472E+22	2,559168E+22	2,488135E+22	2,312976E+22	2,080630E+22	1,909790E+22	1,909795E+22	2,080648E+22	2,313033E+22
-2832	2,488225E+22	2,559229E+22	2,563503E+22	2,563501E+22	2,559195E+22	2,488142E+22	2,312956E+22	2,080607E+22	1,909787E+22	1,909808E+22	2,080659E+22	2,312992E+22
-2831	2,488132E+22	2,559139E+22	2,563412E+22	2,563421E+22	2,559172E+22	2,488184E+22	2,313032E+22	2,080673E+22	1,909814E+22	1,909792E+22	2,080601E+22	2,312920E+22
-2830	2,488077E+22	2,559164E+22	2,563516E+22	2,563497E+22	2,559164E+22	2,488141E+22	2,313013E+22	2,080702E+22	1,909877E+22	1,909865E+22	2,080689E+22	2,313053E+22
-2829	2,488218E+22	2,559227E+22	2,563530E+22	2,563517E+22	2,559181E+22	2,488128E+22	2,312982E+22	2,080682E+22	1,909891E+22	1,909903E+22	2,080693E+22	2,312952E+22
-2828	2,488056E+22	2,559075E+22	2,563411E+22	2,563457E+22	2,559179E+22	2,488164E+22	2,313033E+22	2,080733E+22	1,909930E+22	1,909923E+22	2,080709E+22	2,312990E+22
-2827	2,488128E+22	2,559188E+22	2,563514E+22	2,563507E+22	2,559195E+22	2,488165E+22	2,313015E+22	2,080713E+22	1,909929E+22	1,909955E+22	2,080788E+22	2,313105E+22
-2826	2,488207E+22	2,559192E+22	2,563482E+22	2,563471E+22	2,559167E+22	2,488153E+22	2,313025E+22	2,080723E+22	1,909924E+22	1,909924E+22	2,080705E+22	2,312975E+22
-2825	2,488089E+22	2,559110E+22	2,563443E+22	2,563459E+22	2,559155E+22	2,488144E+22	2,313036E+22	2,080752E+22	1,909951E+22	1,909937E+22	2,080727E+22	2,313048E+22
-2824	2,488228E+22	2,559271E+22	2,563555E+22	2,563520E+22	2,559178E+22	2,488127E+22	2,312992E+22	2,080716E+22	1,909941E+22	1,909949E+22	2,080747E+22	2,313032E+22
-2823	2,488150E+22	2,559175E+22	2,563480E+22	2,563472E+22	2,559172E+22	2,488159E+22	2,313032E+22	2,080732E+22	1,909924E+22	1,909904E+22	2,080668E+22	2,312930E+22
-2822	2,488049E+22	2,559126E+22	2,563517E+22	2,563530E+22	2,559188E+22	2,488142E+22	2,313011E+22	2,080718E+22	1,909919E+22	1,909916E+22	2,080722E+22	2,313055E+22
-2821	2,488215E+22	2,559222E+22	2,563527E+22	2,563533E+22	2,559210E+22	2,488151E+22	2,312984E+22	2,080664E+22	1,909867E+22	1,909896E+22	2,080713E+22	2,312982E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2820	2,488079E+22	2,559080E+22	2,563386E+22	2,563424E+22	2,559173E+22	2,488183E+22	2,313044E+22	2,080703E+22	1,909858E+22	1,909839E+22	2,080648E+22	2,312962E+22
-2819	2,488111E+22	2,559167E+22	2,563483E+22	2,563461E+22	2,559162E+22	2,488160E+22	2,313016E+22	2,080682E+22	1,909850E+22	1,909846E+22	2,080687E+22	2,313056E+22
-2818	2,488216E+22	2,559212E+22	2,563495E+22	2,563464E+22	2,559142E+22	2,488121E+22	2,312984E+22	2,080658E+22	1,909833E+22	1,909828E+22	2,080624E+22	2,312917E+22
-2817	2,488064E+22	2,559087E+22	2,563411E+22	2,563437E+22	2,559141E+22	2,488117E+22	2,312979E+22	2,080661E+22	1,909833E+22	1,909827E+22	2,080645E+22	2,312977E+22
-2816	2,488165E+22	2,559223E+22	2,563520E+22	2,563502E+22	2,559177E+22	2,488117E+22	2,312943E+22	2,080620E+22	1,909816E+22	1,909840E+22	2,080697E+22	2,313034E+22
-2815	2,488154E+22	2,559158E+22	2,563455E+22	2,563452E+22	2,559168E+22	2,488155E+22	2,312993E+22	2,080639E+22	1,909800E+22	1,909799E+22	2,080620E+22	2,312934E+22
-2814	2,488055E+22	2,559089E+22	2,563457E+22	2,563479E+22	2,559167E+22	2,488143E+22	2,313001E+22	2,080668E+22	1,909829E+22	1,909822E+22	2,080655E+22	2,313025E+22
-2813	2,488231E+22	2,559249E+22	2,563527E+22	2,563511E+22	2,559190E+22	2,488145E+22	2,312985E+22	2,080656E+22	1,909844E+22	1,909864E+22	2,080690E+22	2,312981E+22
-2812	2,488106E+22	2,559127E+22	2,563424E+22	2,563432E+22	2,559159E+22	2,488166E+22	2,313041E+22	2,080722E+22	1,909894E+22	1,909870E+22	2,080650E+22	2,312932E+22
-2811	2,488068E+22	2,559144E+22	2,563500E+22	2,563494E+22	2,559175E+22	2,488154E+22	2,313024E+22	2,080733E+22	1,909939E+22	1,909936E+22	2,080736E+22	2,313056E+22
-2810	2,488202E+22	2,559213E+22	2,563527E+22	2,563520E+22	2,559188E+22	2,488140E+22	2,313001E+22	2,080718E+22	1,909948E+22	1,909968E+22	2,080746E+22	2,312984E+22
-2809	2,488070E+22	2,559068E+22	2,563401E+22	2,563446E+22	2,559161E+22	2,488148E+22	2,313033E+22	2,080754E+22	1,909967E+22	1,909965E+22	2,080749E+22	2,313027E+22
-2808	2,488161E+22	2,559203E+22	2,563513E+22	2,563499E+22	2,559175E+22	2,488139E+22	2,313018E+22	2,080753E+22	1,909982E+22	1,909992E+22	2,080799E+22	2,313102E+22
-2807	2,488214E+22	2,559211E+22	2,563498E+22	2,563469E+22	2,559153E+22	2,488147E+22	2,313040E+22	2,080765E+22	1,909982E+22	1,909974E+22	2,080728E+22	2,312969E+22
-2806	2,488072E+22	2,559114E+22	2,563484E+22	2,563491E+22	2,559150E+22	2,488126E+22	2,313035E+22	2,080779E+22	1,909996E+22	1,909979E+22	2,080741E+22	2,313027E+22
-2805	2,488204E+22	2,559268E+22	2,563580E+22	2,563557E+22	2,559200E+22	2,488131E+22	2,312994E+22	2,080731E+22	1,909976E+22	1,910003E+22	2,080794E+22	2,313033E+22
-2804	2,488113E+22	2,559134E+22	2,563461E+22	2,563475E+22	2,559180E+22	2,488165E+22	2,313038E+22	2,080750E+22	1,909962E+22	1,909952E+22	2,080712E+22	2,312961E+22
-2803	2,488056E+22	2,559097E+22	2,563471E+22	2,563501E+22	2,559193E+22	2,488171E+22	2,313037E+22	2,080744E+22	1,909948E+22	1,909943E+22	2,080740E+22	2,313059E+22
-2802	2,488224E+22	2,559226E+22	2,563516E+22	2,563513E+22	2,559193E+22	2,488153E+22	2,313011E+22	2,080708E+22	1,909914E+22	1,909927E+22	2,080726E+22	2,312989E+22
-2801	2,488094E+22	2,559096E+22	2,563393E+22	2,563409E+22	2,559132E+22	2,488143E+22	2,313033E+22	2,080729E+22	1,909903E+22	1,909877E+22	2,080667E+22	2,312966E+22
-2800	2,488119E+22	2,559185E+22	2,563509E+22	2,563480E+22	2,559143E+22	2,488115E+22	2,312996E+22	2,080712E+22	1,909906E+22	1,909898E+22	2,080712E+22	2,313046E+22
-2799	2,488196E+22	2,559207E+22	2,563507E+22	2,563485E+22	2,559155E+22	2,488121E+22	2,312981E+22	2,080674E+22	1,909876E+22	1,909885E+22	2,080673E+22	2,312933E+22
-2798	2,488043E+22	2,559069E+22	2,563428E+22	2,563466E+22	2,559161E+22	2,488129E+22	2,312986E+22	2,080670E+22	1,909855E+22	1,909856E+22	2,080673E+22	2,312992E+22
-2797	2,488171E+22	2,559224E+22	2,563527E+22	2,563520E+22	2,559198E+22	2,488141E+22	2,312970E+22	2,080644E+22	1,909842E+22	1,909876E+22	2,080731E+22	2,313048E+22
-2796	2,488152E+22	2,559145E+22	2,563436E+22	2,563439E+22	2,559159E+22	2,488159E+22	2,313019E+22	2,080687E+22	1,909858E+22	1,909844E+22	2,080643E+22	2,312945E+22
-2795	2,488068E+22	2,559093E+22	2,563441E+22	2,563459E+22	2,559160E+22	2,488156E+22	2,313031E+22	2,080723E+22	1,909900E+22	1,909879E+22	2,080672E+22	2,313003E+22
-2794	2,488209E+22	2,559253E+22	2,563546E+22	2,563523E+22	2,559178E+22	2,488131E+22	2,313000E+22	2,080712E+22	1,909925E+22	1,909938E+22	2,080731E+22	2,312984E+22
-2793	2,488088E+22	2,559106E+22	2,563421E+22	2,563436E+22	2,559143E+22	2,488134E+22	2,313023E+22	2,080745E+22	1,909954E+22	1,909944E+22	2,080712E+22	2,312964E+22
-2792	2,488072E+22	2,559133E+22	2,563491E+22	2,563494E+22	2,559165E+22	2,488132E+22	2,313017E+22	2,080761E+22	1,909992E+22	1,909995E+22	2,080784E+22	2,313081E+22
-2791	2,488208E+22	2,559207E+22	2,563512E+22	2,563505E+22	2,559179E+22	2,488143E+22	2,313018E+22	2,080748E+22	1,909991E+22	1,910015E+22	2,080787E+22	2,313013E+22
-2790	2,488085E+22	2,559085E+22	2,563422E+22	2,563450E+22	2,559146E+22	2,488137E+22	2,313041E+22	2,080782E+22	1,910003E+22	1,909990E+22	2,080754E+22	2,313024E+22
-2789	2,488176E+22	2,559241E+22	2,563556E+22	2,563525E+22	2,559173E+22	2,488129E+22	2,313023E+22	2,080781E+22	1,910028E+22	1,910038E+22	2,080820E+22	2,313086E+22
-2788	2,488187E+22	2,559204E+22	2,563519E+22	2,563498E+22	2,559159E+22	2,488134E+22	2,313040E+22	2,080798E+22	1,910042E+22	1,910033E+22	2,080760E+22	2,312970E+22
-2787	2,488056E+22	2,559095E+22	2,563472E+22	2,563506E+22	2,559185E+22	2,488156E+22	2,313050E+22	2,080804E+22	1,910042E+22	1,910029E+22	2,080771E+22	2,313017E+22
-2786	2,488171E+22	2,559246E+22	2,563576E+22	2,563568E+22	2,559219E+22	2,488157E+22	2,313026E+22	2,080769E+22	1,910021E+22	1,910045E+22	2,080826E+22	2,313055E+22
-2785	2,488113E+22	2,559110E+22	2,563434E+22	2,563457E+22	2,559166E+22	2,488159E+22	2,313050E+22	2,080780E+22	1,910000E+22	1,909988E+22	2,080743E+22	2,312989E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2784	2,488080E+22	2,559104E+22	2,563452E+22	2,563474E+22	2,559162E+22	2,488147E+22	2,313047E+22	2,080789E+22	1,910000E+22	1,909980E+22	2,080753E+22	2,313055E+22
-2783	2,488221E+22	2,559238E+22	2,563519E+22	2,563498E+22	2,559166E+22	2,488136E+22	2,313019E+22	2,080746E+22	1,909971E+22	1,909981E+22	2,080759E+22	2,312994E+22
-2782	2,488080E+22	2,559103E+22	2,563427E+22	2,563432E+22	2,559120E+22	2,488110E+22	2,313013E+22	2,080741E+22	1,909941E+22	1,909920E+22	2,080694E+22	2,312968E+22
-2781	2,488109E+22	2,559188E+22	2,563531E+22	2,563513E+22	2,559162E+22	2,488107E+22	2,312979E+22	2,080706E+22	1,909931E+22	1,909947E+22	2,080760E+22	2,313063E+22
-2780	2,488178E+22	2,559181E+22	2,563495E+22	2,563493E+22	2,559166E+22	2,488127E+22	2,312984E+22	2,080686E+22	1,909905E+22	1,909922E+22	2,080711E+22	2,312970E+22
-2779	2,488065E+22	2,559061E+22	2,563395E+22	2,563448E+22	2,559173E+22	2,488158E+22	2,313015E+22	2,080699E+22	1,909884E+22	1,909877E+22	2,080678E+22	2,312983E+22
-2778	2,488168E+22	2,559237E+22	2,563534E+22	2,563515E+22	2,559191E+22	2,488152E+22	2,313008E+22	2,080702E+22	1,909900E+22	1,909908E+22	2,080733E+22	2,313041E+22
-2777	2,488152E+22	2,559154E+22	2,563449E+22	2,563438E+22	2,559134E+22	2,488131E+22	2,313021E+22	2,080732E+22	1,909926E+22	1,909903E+22	2,080669E+22	2,312942E+22
-2776	2,488061E+22	2,559095E+22	2,563449E+22	2,563470E+22	2,559145E+22	2,488124E+22	2,313029E+22	2,080772E+22	1,909978E+22	1,909952E+22	2,080711E+22	2,312997E+22
-2775	2,488176E+22	2,559232E+22	2,563542E+22	2,563533E+22	2,559189E+22	2,488134E+22	2,313007E+22	2,080745E+22	1,909991E+22	1,910016E+22	2,080797E+22	2,313014E+22
-2774	2,488072E+22	2,559091E+22	2,563429E+22	2,563447E+22	2,559142E+22	2,488128E+22	2,313025E+22	2,080765E+22	1,909994E+22	1,909991E+22	2,080754E+22	2,312994E+22
-2773	2,488090E+22	2,559142E+22	2,563498E+22	2,563503E+22	2,559168E+22	2,488132E+22	2,313027E+22	2,080782E+22	1,910030E+22	1,910043E+22	2,080825E+22	2,313102E+22
-2772	2,488215E+22	2,559213E+22	2,563510E+22	2,563496E+22	2,559164E+22	2,488135E+22	2,313032E+22	2,080790E+22	1,910050E+22	1,910065E+22	2,080812E+22	2,313026E+22
-2771	2,488100E+22	2,559104E+22	2,563427E+22	2,563449E+22	2,559150E+22	2,488145E+22	2,313058E+22	2,080823E+22	1,910063E+22	1,910040E+22	2,080766E+22	2,312998E+22
-2770	2,488147E+22	2,559246E+22	2,563588E+22	2,563560E+22	2,559187E+22	2,488129E+22	2,313037E+22	2,080825E+22	1,910093E+22	1,910096E+22	2,080850E+22	2,313088E+22
-2769	2,488165E+22	2,559176E+22	2,563512E+22	2,563512E+22	2,559169E+22	2,488126E+22	2,313030E+22	2,080814E+22	1,910089E+22	1,910090E+22	2,080807E+22	2,312996E+22
-2768	2,488054E+22	2,559075E+22	2,563447E+22	2,563497E+22	2,559181E+22	2,488152E+22	2,313063E+22	2,080837E+22	1,910084E+22	1,910072E+22	2,080805E+22	2,313033E+22
-2767	2,488164E+22	2,559228E+22	2,563548E+22	2,563543E+22	2,559208E+22	2,488166E+22	2,313053E+22	2,080807E+22	1,910063E+22	1,910083E+22	2,080856E+22	2,313075E+22
-2766	2,488117E+22	2,559121E+22	2,563445E+22	2,563443E+22	2,559135E+22	2,488137E+22	2,313055E+22	2,080808E+22	1,910037E+22	1,910014E+22	2,080750E+22	2,312991E+22
-2765	2,488092E+22	2,559137E+22	2,563486E+22	2,563486E+22	2,559147E+22	2,488122E+22	2,313037E+22	2,080803E+22	1,910041E+22	1,910030E+22	2,080780E+22	2,313052E+22
-2764	2,488202E+22	2,559232E+22	2,563528E+22	2,563510E+22	2,559161E+22	2,488114E+22	2,313003E+22	2,080760E+22	1,910016E+22	1,910033E+22	2,080793E+22	2,313008E+22
-2763	2,488078E+22	2,559096E+22	2,563417E+22	2,563444E+22	2,559151E+22	2,488131E+22	2,313015E+22	2,080748E+22	1,909969E+22	1,909955E+22	2,080716E+22	2,312967E+22
-2762	2,488093E+22	2,559183E+22	2,563540E+22	2,563532E+22	2,559183E+22	2,488129E+22	2,313002E+22	2,080734E+22	1,909961E+22	1,909969E+22	2,080775E+22	2,313083E+22
-2761	2,488184E+22	2,559166E+22	2,563478E+22	2,563486E+22	2,559162E+22	2,488124E+22	2,312996E+22	2,080717E+22	1,909943E+22	1,909952E+22	2,080726E+22	2,312983E+22
-2760	2,488082E+22	2,559076E+22	2,563390E+22	2,563432E+22	2,559149E+22	2,488145E+22	2,313039E+22	2,080759E+22	1,909950E+22	1,909923E+22	2,080688E+22	2,312965E+22
-2759	2,488140E+22	2,559236E+22	2,563543E+22	2,563511E+22	2,559175E+22	2,488143E+22	2,313029E+22	2,080758E+22	1,909980E+22	1,909982E+22	2,080771E+22	2,313034E+22
-2758	2,488116E+22	2,559146E+22	2,563474E+22	2,563456E+22	2,559126E+22	2,488105E+22	2,313010E+22	2,080760E+22	1,909990E+22	1,909975E+22	2,080716E+22	2,312954E+22
-2757	2,488047E+22	2,559088E+22	2,563457E+22	2,563488E+22	2,559158E+22	2,488116E+22	2,313013E+22	2,080776E+22	1,910026E+22	1,910028E+22	2,080778E+22	2,313030E+22
-2756	2,488165E+22	2,559203E+22	2,563517E+22	2,563521E+22	2,559185E+22	2,488133E+22	2,313011E+22	2,080767E+22	1,910036E+22	1,910072E+22	2,080850E+22	2,313066E+22
-2755	2,488106E+22	2,559096E+22	2,563406E+22	2,563432E+22	2,559148E+22	2,488141E+22	2,313043E+22	2,080795E+22	1,910034E+22	1,910026E+22	2,080770E+22	2,312999E+22
-2754	2,488102E+22	2,559173E+22	2,563526E+22	2,563512E+22	2,559163E+22	2,488132E+22	2,313051E+22	2,080832E+22	1,910087E+22	1,910078E+22	2,080832E+22	2,313105E+22
-2753	2,488219E+22	2,559226E+22	2,563535E+22	2,563514E+22	2,559155E+22	2,488113E+22	2,313029E+22	2,080826E+22	1,910113E+22	1,910121E+22	2,080837E+22	2,313024E+22
-2752	2,488093E+22	2,559111E+22	2,563445E+22	2,563472E+22	2,559154E+22	2,488134E+22	2,313068E+22	2,080867E+22	1,910127E+22	1,910103E+22	2,080798E+22	2,312984E+22
-2751	2,488103E+22	2,559218E+22	2,563585E+22	2,563574E+22	2,559212E+22	2,488155E+22	2,313062E+22	2,080861E+22	1,910150E+22	1,910159E+22	2,080897E+22	2,313103E+22
-2750	2,488142E+22	2,559156E+22	2,563511E+22	2,563515E+22	2,559172E+22	2,488134E+22	2,313046E+22	2,080841E+22	1,910126E+22	1,910129E+22	2,080838E+22	2,313020E+22
-2749	2,488068E+22	2,559074E+22	2,563433E+22	2,563484E+22	2,559175E+22	2,488153E+22	2,313073E+22	2,080859E+22	1,910124E+22	1,910117E+22	2,080834E+22	2,313047E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2748	2,488167E+22	2,559224E+22	2,563532E+22	2,563512E+22	2,559178E+22	2,488150E+22	2,313063E+22	2,080845E+22	1,910117E+22	1,910129E+22	2,080879E+22	2,313091E+22
-2747	2,488133E+22	2,559136E+22	2,563446E+22	2,563434E+22	2,559120E+22	2,488119E+22	2,313050E+22	2,080832E+22	1,910083E+22	1,910058E+22	2,080764E+22	2,312973E+22
-2746	2,488069E+22	2,559142E+22	2,563517E+22	2,563514E+22	2,559151E+22	2,488105E+22	2,313027E+22	2,080820E+22	1,910082E+22	1,910071E+22	2,080807E+22	2,313065E+22
-2745	2,488191E+22	2,559212E+22	2,563527E+22	2,563522E+22	2,559169E+22	2,488101E+22	2,312982E+22	2,080757E+22	1,910042E+22	1,910073E+22	2,080829E+22	2,313034E+22
-2744	2,488089E+22	2,559092E+22	2,563406E+22	2,563436E+22	2,559147E+22	2,488133E+22	2,313029E+22	2,080772E+22	1,909994E+22	1,909981E+22	2,080731E+22	2,312971E+22
-2743	2,488084E+22	2,559174E+22	2,563529E+22	2,563522E+22	2,559186E+22	2,488148E+22	2,313036E+22	2,080776E+22	1,910004E+22	1,910001E+22	2,080786E+22	2,313081E+22
-2742	2,488177E+22	2,559181E+22	2,563500E+22	2,563484E+22	2,559145E+22	2,488112E+22	2,313007E+22	2,080755E+22	1,909993E+22	1,909987E+22	2,080733E+22	2,312973E+22
-2741	2,488075E+22	2,559091E+22	2,563418E+22	2,563449E+22	2,559145E+22	2,488129E+22	2,313035E+22	2,080786E+22	1,910013E+22	1,909996E+22	2,080727E+22	2,312959E+22
-2740	2,488105E+22	2,559206E+22	2,563537E+22	2,563517E+22	2,559176E+22	2,488134E+22	2,313028E+22	2,080790E+22	1,910047E+22	1,910060E+22	2,080828E+22	2,313061E+22
-2739	2,488111E+22	2,559125E+22	2,563452E+22	2,563457E+22	2,559147E+22	2,488121E+22	2,313019E+22	2,080781E+22	1,910038E+22	1,910036E+22	2,080763E+22	2,312974E+22
-2738	2,488042E+22	2,559082E+22	2,563463E+22	2,563496E+22	2,559166E+22	2,488128E+22	2,313035E+22	2,080811E+22	1,910071E+22	1,910069E+22	2,080815E+22	2,313072E+22
-2737	2,488192E+22	2,559201E+22	2,563505E+22	2,563507E+22	2,559171E+22	2,488121E+22	2,313017E+22	2,080800E+22	1,910087E+22	1,910118E+22	2,080876E+22	2,313088E+22
-2736	2,488140E+22	2,559130E+22	2,563421E+22	2,563421E+22	2,559121E+22	2,488126E+22	2,313065E+22	2,080850E+22	1,910100E+22	1,910077E+22	2,080784E+22	2,312984E+22
-2735	2,488083E+22	2,559182E+22	2,563555E+22	2,563531E+22	2,559162E+22	2,488129E+22	2,313070E+22	2,080883E+22	1,910161E+22	1,910147E+22	2,080864E+22	2,313091E+22
-2734	2,488184E+22	2,559219E+22	2,563566E+22	2,563545E+22	2,559165E+22	2,488101E+22	2,313024E+22	2,080852E+22	1,910168E+22	1,910183E+22	2,080877E+22	2,313031E+22
-2733	2,488077E+22	2,559099E+22	2,563452E+22	2,563490E+22	2,559175E+22	2,488145E+22	2,313067E+22	2,080878E+22	1,910173E+22	1,910171E+22	2,080852E+22	2,313007E+22
-2732	2,488084E+22	2,559176E+22	2,563549E+22	2,563549E+22	2,559204E+22	2,488163E+22	2,313082E+22	2,080893E+22	1,910194E+22	1,910207E+22	2,080934E+22	2,313135E+22
-2731	2,488164E+22	2,559150E+22	2,563479E+22	2,563486E+22	2,559164E+22	2,488139E+22	2,313065E+22	2,080874E+22	1,910166E+22	1,910161E+22	2,080848E+22	2,313016E+22
-2730	2,488074E+22	2,559099E+22	2,563458E+22	2,563482E+22	2,559153E+22	2,488135E+22	2,313081E+22	2,080897E+22	1,910173E+22	1,910147E+22	2,080843E+22	2,313054E+22
-2729	2,488170E+22	2,559226E+22	2,563546E+22	2,563517E+22	2,559155E+22	2,488109E+22	2,313039E+22	2,080861E+22	1,910164E+22	1,910179E+22	2,080905E+22	2,313095E+22
-2728	2,488136E+22	2,559145E+22	2,563465E+22	2,563450E+22	2,559117E+22	2,488102E+22	2,313044E+22	2,080849E+22	1,910120E+22	1,910104E+22	2,080793E+22	2,312968E+22
-2727	2,488040E+22	2,559124E+22	2,563524E+22	2,563533E+22	2,559175E+22	2,488126E+22	2,313041E+22	2,080836E+22	1,910111E+22	1,910110E+22	2,080839E+22	2,313074E+22
-2726	2,488177E+22	2,559202E+22	2,563535E+22	2,563532E+22	2,559179E+22	2,488113E+22	2,312996E+22	2,080773E+22	1,910062E+22	1,910094E+22	2,080843E+22	2,313046E+22
-2725	2,488103E+22	2,559101E+22	2,563408E+22	2,563434E+22	2,559153E+22	2,488145E+22	2,313044E+22	2,080795E+22	1,910035E+22	1,910023E+22	2,080748E+22	2,312967E+22
-2724	2,488071E+22	2,559159E+22	2,563516E+22	2,563500E+22	2,559167E+22	2,488147E+22	2,313060E+22	2,080826E+22	1,910070E+22	1,910057E+22	2,080808E+22	2,313078E+22
-2723	2,488171E+22	2,559175E+22	2,563498E+22	2,563486E+22	2,559144E+22	2,488104E+22	2,313015E+22	2,080794E+22	1,910058E+22	1,910053E+22	2,080764E+22	2,312963E+22
-2722	2,488047E+22	2,559079E+22	2,563435E+22	2,563469E+22	2,559150E+22	2,488118E+22	2,313034E+22	2,080817E+22	1,910073E+22	1,910058E+22	2,080778E+22	2,312994E+22
-2721	2,488103E+22	2,559175E+22	2,563517E+22	2,563509E+22	2,559169E+22	2,488120E+22	2,313017E+22	2,080803E+22	1,910092E+22	1,910121E+22	2,080885E+22	2,313107E+22
-2720	2,488144E+22	2,559131E+22	2,563442E+22	2,563437E+22	2,559123E+22	2,488114E+22	2,313037E+22	2,080814E+22	1,910077E+22	1,910079E+22	2,080795E+22	2,312990E+22
-2719	2,488052E+22	2,559094E+22	2,563471E+22	2,563491E+22	2,559159E+22	2,488134E+22	2,313062E+22	2,080855E+22	1,910123E+22	1,910112E+22	2,080834E+22	2,313072E+22
-2718	2,488198E+22	2,559237E+22	2,563549E+22	2,563520E+22	2,559157E+22	2,488104E+22	2,313021E+22	2,080836E+22	1,910142E+22	1,910163E+22	2,080888E+22	2,313078E+22
-2717	2,488137E+22	2,559152E+22	2,563464E+22	2,563456E+22	2,559133E+22	2,488118E+22	2,313058E+22	2,080874E+22	1,910165E+22	1,910150E+22	2,080818E+22	2,312970E+22
-2716	2,488043E+22	2,559149E+22	2,563553E+22	2,563549E+22	2,559182E+22	2,488140E+22	2,313083E+22	2,080921E+22	1,910228E+22	1,910220E+22	2,080911E+22	2,313103E+22
-2715	2,488170E+22	2,559190E+22	2,563546E+22	2,563552E+22	2,559190E+22	2,488124E+22	2,313045E+22	2,080883E+22	1,910216E+22	1,910236E+22	2,080915E+22	2,313041E+22
-2714	2,488062E+22	2,559079E+22	2,563445E+22	2,563489E+22	2,559176E+22	2,488157E+22	2,313097E+22	2,080922E+22	1,910220E+22	1,910208E+22	2,080885E+22	2,313042E+22
-2713	2,488100E+22	2,559159E+22	2,563521E+22	2,563518E+22	2,559175E+22	2,488145E+22	2,313089E+22	2,080928E+22	1,910246E+22	1,910255E+22	2,080962E+22	2,313152E+22

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2712	2,488192E+22	2,559176E+22	2,563486E+22	2,563459E+22	2,559116E+22	2,488110E+22	2,313077E+22	2,080916E+22	1,910221E+22	1,910211E+22	2,080869E+22	2,313004E+22
-2711	2,488057E+22	2,559103E+22	2,563483E+22	2,563498E+22	2,559144E+22	2,488116E+22	2,313077E+22	2,080923E+22	1,910225E+22	1,910205E+22	2,080876E+22	2,313048E+22
-2710	2,488151E+22	2,559227E+22	2,563572E+22	2,563542E+22	2,559161E+22	2,488090E+22	2,313013E+22	2,080857E+22	1,910190E+22	1,910219E+22	2,080940E+22	2,313110E+22
-2709	2,488135E+22	2,559140E+22	2,563475E+22	2,563471E+22	2,559139E+22	2,488111E+22	2,313031E+22	2,080838E+22	1,910138E+22	1,910142E+22	2,080827E+22	2,312985E+22
-2708	2,488033E+22	2,559093E+22	2,563498E+22	2,563520E+22	2,559178E+22	2,488145E+22	2,313068E+22	2,080863E+22	1,910138E+22	1,910134E+22	2,080856E+22	2,313086E+22
-2707	2,488193E+22	2,559200E+22	2,563518E+22	2,563520E+22	2,559181E+22	2,488126E+22	2,313025E+22	2,080812E+22	1,910098E+22	1,910115E+22	2,080840E+22	2,313027E+22
-2706	2,488094E+22	2,559116E+22	2,563435E+22	2,563442E+22	2,559142E+22	2,488141E+22	2,313068E+22	2,080846E+22	1,910092E+22	1,910061E+22	2,080764E+22	2,312969E+22
-2705	2,488060E+22	2,559139E+22	2,563513E+22	2,563499E+22	2,559149E+22	2,488121E+22	2,313053E+22	2,080858E+22	1,910135E+22	1,910127E+22	2,080850E+22	2,313083E+22
-2704	2,488168E+22	2,559171E+22	2,563499E+22	2,563483E+22	2,559130E+22	2,488096E+22	2,313025E+22	2,080827E+22	1,910113E+22	1,910120E+22	2,080816E+22	2,312974E+22
-2703	2,488030E+22	2,559060E+22	2,563434E+22	2,563477E+22	2,559157E+22	2,488128E+22	2,313050E+22	2,080846E+22	1,910120E+22	1,910116E+22	2,080827E+22	2,313019E+22
-2702	2,488112E+22	2,559178E+22	2,563522E+22	2,563507E+22	2,559159E+22	2,488110E+22	2,313020E+22	2,080825E+22	1,910127E+22	1,910158E+22	2,080914E+22	2,313132E+22
-2701	2,488176E+22	2,559160E+22	2,563463E+22	2,563443E+22	2,559119E+22	2,488109E+22	2,313038E+22	2,080839E+22	1,910130E+22	1,910132E+22	2,080820E+22	2,312989E+22
-2700	2,488049E+22	2,559099E+22	2,563483E+22	2,563488E+22	2,559142E+22	2,488127E+22	2,313081E+22	2,080905E+22	1,910193E+22	1,910173E+22	2,080858E+22	2,313061E+22
-2699	2,488183E+22	2,559231E+22	2,563564E+22	2,563548E+22	2,559172E+22	2,488101E+22	2,313030E+22	2,080876E+22	1,910208E+22	1,910229E+22	2,080919E+22	2,313061E+22
-2698	2,488101E+22	2,559136E+22	2,563486E+22	2,563493E+22	2,559157E+22	2,488127E+22	2,313068E+22	2,080910E+22	1,910224E+22	1,910211E+22	2,080870E+22	2,313000E+22
-2697	2,488029E+22	2,559099E+22	2,563516E+22	2,563536E+22	2,559181E+22	2,488142E+22	2,313089E+22	2,080946E+22	1,910279E+22	1,910283E+22	2,080964E+22	2,313136E+22
-2696	2,488189E+22	2,559184E+22	2,563522E+22	2,563520E+22	2,559162E+22	2,488125E+22	2,313077E+22	2,080926E+22	1,910260E+22	1,910280E+22	2,080948E+22	2,313055E+22
-2695	2,488069E+22	2,559084E+22	2,563444E+22	2,563473E+22	2,559152E+22	2,488149E+22	2,313117E+22	2,080967E+22	1,910274E+22	1,910252E+22	2,080906E+22	2,313042E+22
-2694	2,488109E+22	2,559188E+22	2,563551E+22	2,563518E+22	2,559142E+22	2,488109E+22	2,313077E+22	2,080951E+22	1,910292E+22	1,910297E+22	2,080981E+22	2,313151E+22
-2693	2,488198E+22	2,559200E+22	2,563524E+22	2,563492E+22	2,559121E+22	2,488088E+22	2,313049E+22	2,080917E+22	1,910264E+22	1,910269E+22	2,080903E+22	2,313000E+22
-2692	2,488032E+22	2,559082E+22	2,563484E+22	2,563514E+22	2,559162E+22	2,488126E+22	2,313082E+22	2,080938E+22	1,910258E+22	1,910249E+22	2,080912E+22	2,313061E+22
-2691	2,488145E+22	2,559207E+22	2,563562E+22	2,563562E+22	2,559192E+22	2,488115E+22	2,313031E+22	2,080873E+22	1,910210E+22	1,910242E+22	2,080957E+22	2,313114E+22
-2690	2,488129E+22	2,559133E+22	2,563479E+22	2,563484E+22	2,559155E+22	2,488133E+22	2,313065E+22	2,080877E+22	1,910168E+22	1,910155E+22	2,080838E+22	2,313004E+22
-2689	2,488043E+22	2,559076E+22	2,563471E+22	2,563494E+22	2,559158E+22	2,488141E+22	2,313087E+22	2,080907E+22	1,910192E+22	1,910175E+22	2,080870E+22	2,313082E+22
-2688	2,488200E+22	2,559216E+22	2,563525E+22	2,563499E+22	2,559139E+22	2,488109E+22	2,313052E+22	2,080866E+22	1,910162E+22	1,910170E+22	2,080864E+22	2,313007E+22
-2687	2,488061E+22	2,559102E+22	2,563449E+22	2,563457E+22	2,559132E+22	2,488124E+22	2,313073E+22	2,080886E+22	1,910160E+22	1,910134E+22	2,080812E+22	2,312971E+22
-2686	2,488042E+22	2,559132E+22	2,563519E+22	2,563507E+22	2,559142E+22	2,488098E+22	2,313032E+22	2,080866E+22	1,910178E+22	1,910187E+22	2,080906E+22	2,313115E+22
-2685	2,488180E+22	2,559169E+22	2,563497E+22	2,563486E+22	2,559132E+22	2,488088E+22	2,313007E+22	2,080825E+22	1,910147E+22	1,910174E+22	2,080863E+22	2,313003E+22
-2684	2,488038E+22	2,559047E+22	2,563416E+22	2,563462E+22	2,559148E+22	2,488132E+22	2,313067E+22	2,080875E+22	1,910158E+22	1,910152E+22	2,080854E+22	2,313039E+22
-2683	2,488138E+22	2,559195E+22	2,563530E+22	2,563515E+22	2,559157E+22	2,488105E+22	2,313033E+22	2,080861E+22	1,910172E+22	1,910189E+22	2,080919E+22	2,313116E+22
-2682	2,488168E+22	2,559181E+22	2,563508E+22	2,563478E+22	2,559124E+22	2,488104E+22	2,313053E+22	2,080885E+22	1,910189E+22	1,910176E+22	2,080842E+22	2,312990E+22
-2681	2,488030E+22	2,559077E+22	2,563487E+22	2,563507E+22	2,559148E+22	2,488119E+22	2,313083E+22	2,080943E+22	1,910264E+22	1,910248E+22	2,080903E+22	2,313059E+22
-2680	2,488165E+22	2,559220E+22	2,563564E+22	2,563550E+22	2,559172E+22	2,488115E+22	2,313060E+22	2,080918E+22	1,910268E+22	1,910296E+22	2,080969E+22	2,313068E+22
-2679	2,488073E+22	2,559104E+22	2,563475E+22	2,563498E+22	2,559168E+22	2,488148E+22	2,313103E+22	2,080957E+22	1,910284E+22	1,910274E+22	2,080918E+22	2,313022E+22
-2678	2,488039E+22	2,559095E+22	2,563498E+22	2,563517E+22	2,559162E+22	2,488132E+22	2,313100E+22	2,080980E+22	1,910327E+22	1,910328E+22	2,080998E+22	2,313160E+22
-2677	2,488217E+22	2,559208E+22	2,563527E+22	2,563507E+22	2,559141E+22	2,488106E+22	2,313071E+22	2,080954E+22	1,910319E+22	1,910336E+22	2,080976E+22	2,313059E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2676	2,488068E+22	2,559090E+22	2,563453E+22	2,563466E+22	2,559126E+22	2,488125E+22	2,313121E+22	2,081005E+22	1,910334E+22	1,910309E+22	2,080937E+22	2,313044E+22
-2675	2,488102E+22	2,559188E+22	2,563570E+22	2,563551E+22	2,559150E+22	2,488087E+22	2,313063E+22	2,080968E+22	1,910334E+22	1,910343E+22	2,081010E+22	2,313147E+22
-2674	2,488176E+22	2,559194E+22	2,563549E+22	2,563532E+22	2,559148E+22	2,488096E+22	2,313049E+22	2,080929E+22	1,910291E+22	1,910300E+22	2,080941E+22	2,313030E+22
-2673	2,488029E+22	2,559051E+22	2,563457E+22	2,563506E+22	2,559166E+22	2,488134E+22	2,313091E+22	2,080953E+22	1,910286E+22	1,910281E+22	2,080937E+22	2,313075E+22
-2672	2,488158E+22	2,559213E+22	2,563549E+22	2,563536E+22	2,559173E+22	2,488130E+22	2,313074E+22	2,080915E+22	1,910243E+22	1,910262E+22	2,080962E+22	2,313104E+22
-2671	2,488122E+22	2,559139E+22	2,563485E+22	2,563483E+22	2,559144E+22	2,488136E+22	2,313094E+22	2,080930E+22	1,910226E+22	1,910195E+22	2,080847E+22	2,312988E+22
-2670	2,488035E+22	2,559088E+22	2,563480E+22	2,563493E+22	2,559133E+22	2,488109E+22	2,313080E+22	2,080937E+22	1,910248E+22	1,910227E+22	2,080895E+22	2,313076E+22
-2669	2,488187E+22	2,559219E+22	2,563543E+22	2,563522E+22	2,559143E+22	2,488087E+22	2,313026E+22	2,080877E+22	1,910219E+22	1,910240E+22	2,080913E+22	2,313016E+22
-2668	2,488037E+22	2,559074E+22	2,563436E+22	2,563457E+22	2,559134E+22	2,488122E+22	2,313074E+22	2,080905E+22	1,910204E+22	1,910190E+22	2,080865E+22	2,312999E+22
-2667	2,488042E+22	2,559112E+22	2,563507E+22	2,563518E+22	2,559151E+22	2,488099E+22	2,313038E+22	2,080882E+22	1,910206E+22	1,910220E+22	2,080936E+22	2,313135E+22
-2666	2,488190E+22	2,559179E+22	2,563508E+22	2,563499E+22	2,559140E+22	2,488097E+22	2,313027E+22	2,080858E+22	1,910181E+22	1,910197E+22	2,080887E+22	2,313031E+22
-2665	2,488057E+22	2,559051E+22	2,563405E+22	2,563445E+22	2,559129E+22	2,488122E+22	2,313080E+22	2,080917E+22	1,910218E+22	1,910201E+22	2,080872E+22	2,313032E+22
-2664	2,488141E+22	2,559219E+22	2,563553E+22	2,563514E+22	2,559135E+22	2,488100E+22	2,313062E+22	2,080914E+22	1,910239E+22	1,910248E+22	2,080943E+22	2,313097E+22
-2663	2,488131E+22	2,559167E+22	2,563529E+22	2,563514E+22	2,559140E+22	2,488103E+22	2,313066E+22	2,080933E+22	1,910265E+22	1,910252E+22	2,080888E+22	2,312990E+22
-2662	2,488009E+22	2,559060E+22	2,563477E+22	2,563513E+22	2,559153E+22	2,488113E+22	2,313081E+22	2,080967E+22	1,910318E+22	1,910314E+22	2,080960E+22	2,313088E+22
-2661	2,488164E+22	2,559208E+22	2,563553E+22	2,563548E+22	2,559174E+22	2,488115E+22	2,313060E+22	2,080940E+22	1,910320E+22	1,910356E+22	2,081016E+22	2,313095E+22
-2660	2,488078E+22	2,559091E+22	2,563449E+22	2,563469E+22	2,559145E+22	2,488146E+22	2,313128E+22	2,081004E+22	1,910340E+22	1,910322E+22	2,080950E+22	2,313042E+22
-2659	2,488058E+22	2,559111E+22	2,563506E+22	2,563517E+22	2,559144E+22	2,488110E+22	2,313106E+22	2,081019E+22	1,910380E+22	1,910370E+22	2,081012E+22	2,313153E+22
-2658	2,488214E+22	2,559234E+22	2,563569E+22	2,563538E+22	2,559139E+22	2,488089E+22	2,313071E+22	2,080986E+22	1,910370E+22	1,910380E+22	2,081005E+22	2,313070E+22
-2657	2,488058E+22	2,559080E+22	2,563457E+22	2,563483E+22	2,559133E+22	2,488112E+22	2,313110E+22	2,081023E+22	1,910385E+22	1,910367E+22	2,080975E+22	2,313051E+22
-2656	2,488095E+22	2,559189E+22	2,563579E+22	2,563557E+22	2,559158E+22	2,488105E+22	2,313085E+22	2,080990E+22	1,910366E+22	1,910381E+22	2,081040E+22	2,313153E+22
-2655	2,488153E+22	2,559170E+22	2,563547E+22	2,563551E+22	2,559171E+22	2,488120E+22	2,313080E+22	2,080966E+22	1,910330E+22	1,910335E+22	2,080961E+22	2,313039E+22
-2654	2,488037E+22	2,559054E+22	2,563441E+22	2,563493E+22	2,559157E+22	2,488134E+22	2,313106E+22	2,080985E+22	1,910325E+22	1,910312E+22	2,080953E+22	2,313079E+22
-2653	2,488163E+22	2,559229E+22	2,563553E+22	2,563523E+22	2,559154E+22	2,488115E+22	2,313072E+22	2,080946E+22	1,910302E+22	1,910311E+22	2,080976E+22	2,313089E+22
-2652	2,488096E+22	2,559127E+22	2,563482E+22	2,563473E+22	2,559121E+22	2,488116E+22	2,313101E+22	2,080971E+22	1,910290E+22	1,910257E+22	2,080883E+22	2,312989E+22
-2651	2,488016E+22	2,559070E+22	2,563481E+22	2,563514E+22	2,559135E+22	2,488084E+22	2,313060E+22	2,080951E+22	1,910292E+22	1,910281E+22	2,080937E+22	2,313089E+22
-2650	2,488168E+22	2,559203E+22	2,563543E+22	2,563539E+22	2,559157E+22	2,488087E+22	2,313020E+22	2,080884E+22	1,910243E+22	1,910277E+22	2,080963E+22	2,313066E+22
-2649	2,488048E+22	2,559052E+22	2,563404E+22	2,563437E+22	2,559125E+22	2,488118E+22	2,313075E+22	2,080917E+22	1,910233E+22	1,910227E+22	2,080898E+22	2,313030E+22
-2648	2,488073E+22	2,559138E+22	2,563507E+22	2,563492E+22	2,559126E+22	2,488101E+22	2,313067E+22	2,080917E+22	1,910239E+22	1,910242E+22	2,080943E+22	2,313132E+22
-2647	2,488189E+22	2,559200E+22	2,563535E+22	2,563516E+22	2,559137E+22	2,488095E+22	2,313050E+22	2,080909E+22	1,910242E+22	1,910241E+22	2,080893E+22	2,313013E+22
-2646	2,488053E+22	2,559074E+22	2,563431E+22	2,563464E+22	2,559124E+22	2,488103E+22	2,313077E+22	2,080952E+22	1,910282E+22	1,910262E+22	2,080899E+22	2,313021E+22
-2645	2,488116E+22	2,559219E+22	2,563574E+22	2,563546E+22	2,559156E+22	2,488096E+22	2,313053E+22	2,080943E+22	1,910312E+22	1,910323E+22	2,080986E+22	2,313096E+22
-2644	2,488096E+22	2,559133E+22	2,563513E+22	2,563518E+22	2,559155E+22	2,488121E+22	2,313092E+22	2,080977E+22	1,910331E+22	1,910323E+22	2,080944E+22	2,313018E+22
-2643	2,488003E+22	2,559032E+22	2,563457E+22	2,563518E+22	2,559158E+22	2,488118E+22	2,313101E+22	2,081007E+22	1,910370E+22	1,910365E+22	2,080997E+22	2,313112E+22
-2642	2,488171E+22	2,559210E+22	2,563552E+22	2,563547E+22	2,559171E+22	2,488119E+22	2,313084E+22	2,080987E+22	1,910373E+22	1,910399E+22	2,081053E+22	2,313129E+22
-2641	2,488095E+22	2,559098E+22	2,563441E+22	2,563444E+22	2,559110E+22	2,488120E+22	2,313132E+22	2,081047E+22	1,910410E+22	1,910387E+22	2,080982E+22	2,313046E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2640	2,488062E+22	2,559138E+22	2,563535E+22	2,563515E+22	2,559117E+22	2,488091E+22	2,313114E+22	2,081055E+22	1,910441E+22	1,910431E+22	2,081045E+22	2,313147E+22
-2639	2,488186E+22	2,559228E+22	2,563596E+22	2,563578E+22	2,559162E+22	2,488086E+22	2,313068E+22	2,081012E+22	1,910427E+22	1,910443E+22	2,081045E+22	2,313079E+22
-2638	2,488052E+22	2,559074E+22	2,563450E+22	2,563490E+22	2,559144E+22	2,488111E+22	2,313100E+22	2,081026E+22	1,910414E+22	1,910409E+22	2,081011E+22	2,313073E+22
-2637	2,488097E+22	2,559184E+22	2,563573E+22	2,563560E+22	2,559168E+22	2,488112E+22	2,313087E+22	2,081006E+22	1,910400E+22	1,910411E+22	2,081055E+22	2,313161E+22
-2636	2,488152E+22	2,559160E+22	2,563528E+22	2,563530E+22	2,559159E+22	2,488126E+22	2,313108E+22	2,081009E+22	1,910373E+22	1,910364E+22	2,080971E+22	2,313038E+22
-2635	2,488034E+22	2,559054E+22	2,563445E+22	2,563493E+22	2,559141E+22	2,488116E+22	2,313113E+22	2,081020E+22	1,910372E+22	1,910346E+22	2,080959E+22	2,313064E+22
-2634	2,488139E+22	2,559229E+22	2,563576E+22	2,563547E+22	2,559158E+22	2,488104E+22	2,313072E+22	2,080973E+22	1,910345E+22	1,910357E+22	2,081011E+22	2,313103E+22
-2633	2,488078E+22	2,559103E+22	2,563466E+22	2,563466E+22	2,559115E+22	2,488101E+22	2,313090E+22	2,080986E+22	1,910339E+22	1,910319E+22	2,080929E+22	2,313008E+22
-2632	2,488014E+22	2,559068E+22	2,563478E+22	2,563499E+22	2,559128E+22	2,488094E+22	2,313075E+22	2,080966E+22	1,910322E+22	1,910320E+22	2,080972E+22	2,313110E+22
-2631	2,488165E+22	2,559193E+22	2,563543E+22	2,563548E+22	2,559166E+22	2,488096E+22	2,313039E+22	2,080916E+22	1,910282E+22	1,910310E+22	2,080981E+22	2,313083E+22
-2630	2,488077E+22	2,559076E+22	2,563399E+22	2,563423E+22	2,559111E+22	2,488107E+22	2,313079E+22	2,080944E+22	1,910273E+22	1,910260E+22	2,080910E+22	2,313033E+22
-2629	2,488084E+22	2,559170E+22	2,563536E+22	2,563500E+22	2,559116E+22	2,488085E+22	2,313064E+22	2,080954E+22	1,910304E+22	1,910293E+22	2,080953E+22	2,313111E+22
-2628	2,488161E+22	2,559193E+22	2,563552E+22	2,563532E+22	2,559137E+22	2,488088E+22	2,313064E+22	2,080958E+22	1,910317E+22	1,910312E+22	2,080931E+22	2,313009E+22
-2627	2,488020E+22	2,559050E+22	2,563441E+22	2,563497E+22	2,559143E+22	2,488097E+22	2,313077E+22	2,080982E+22	1,910344E+22	1,910332E+22	2,080948E+22	2,313033E+22
-2626	2,488086E+22	2,559190E+22	2,563569E+22	2,563562E+22	2,559180E+22	2,488115E+22	2,313070E+22	2,080972E+22	1,910357E+22	1,910381E+22	2,081044E+22	2,313139E+22
-2625	2,488099E+22	2,559105E+22	2,563473E+22	2,563486E+22	2,559139E+22	2,488122E+22	2,313110E+22	2,081017E+22	1,910390E+22	1,910386E+22	2,080990E+22	2,313051E+22
-2624	2,488032E+22	2,559055E+22	2,563452E+22	2,563481E+22	2,559124E+22	2,488114E+22	2,313129E+22	2,081053E+22	1,910427E+22	1,910412E+22	2,081022E+22	2,313120E+22
-2623	2,488172E+22	2,559224E+22	2,563577E+22	2,563557E+22	2,559158E+22	2,488101E+22	2,313093E+22	2,081036E+22	1,910444E+22	1,910458E+22	2,081073E+22	2,313127E+22
-2622	2,488104E+22	2,559122E+22	2,563467E+22	2,563462E+22	2,559102E+22	2,488090E+22	2,313112E+22	2,081065E+22	1,910465E+22	1,910451E+22	2,081021E+22	2,313052E+22
-2621	2,488055E+22	2,559147E+22	2,563561E+22	2,563546E+22	2,559135E+22	2,488081E+22	2,313093E+22	2,081064E+22	1,910489E+22	1,910486E+22	2,081079E+22	2,313149E+22
-2620	2,488160E+22	2,559200E+22	2,563587E+22	2,563587E+22	2,559182E+22	2,488110E+22	2,313091E+22	2,081040E+22	1,910465E+22	1,910487E+22	2,081080E+22	2,313097E+22
-2619	2,488047E+22	2,559054E+22	2,563443E+22	2,563502E+22	2,559157E+22	2,488124E+22	2,313121E+22	2,081056E+22	1,910446E+22	1,910434E+22	2,081025E+22	2,313079E+22
-2618	2,488093E+22	2,559179E+22	2,563569E+22	2,563556E+22	2,559172E+22	2,488127E+22	2,313116E+22	2,081046E+22	1,910437E+22	1,910438E+22	2,081069E+22	2,313167E+22
-2617	2,488149E+22	2,559153E+22	2,563513E+22	2,563501E+22	2,559127E+22	2,488109E+22	2,313119E+22	2,081052E+22	1,910437E+22	1,910421E+22	2,080995E+22	2,313034E+22
-2616	2,488026E+22	2,559062E+22	2,563455E+22	2,563477E+22	2,559112E+22	2,488097E+22	2,313117E+22	2,081051E+22	1,910425E+22	1,910402E+22	2,080993E+22	2,313062E+22
-2615	2,488111E+22	2,559205E+22	2,563582E+22	2,563564E+22	2,559166E+22	2,488095E+22	2,313066E+22	2,080993E+22	1,910394E+22	1,910414E+22	2,081051E+22	2,313124E+22
-2614	2,488090E+22	2,559099E+22	2,563452E+22	2,563455E+22	2,559107E+22	2,488088E+22	2,313073E+22	2,080982E+22	1,910361E+22	1,910360E+22	2,080969E+22	2,313041E+22
-2613	2,488035E+22	2,559080E+22	2,563483E+22	2,563495E+22	2,559122E+22	2,488084E+22	2,313067E+22	2,080978E+22	1,910351E+22	1,910345E+22	2,080984E+22	2,313117E+22
-2612	2,488175E+22	2,559202E+22	2,563547E+22	2,563540E+22	2,559158E+22	2,488099E+22	2,313061E+22	2,080957E+22	1,910329E+22	1,910344E+22	2,080989E+22	2,313077E+22
-2611	2,488075E+22	2,559089E+22	2,563433E+22	2,563451E+22	2,559111E+22	2,488094E+22	2,313084E+22	2,080979E+22	1,910327E+22	1,910302E+22	2,080918E+22	2,313013E+22
-2610	2,488054E+22	2,559165E+22	2,563569E+22	2,563544E+22	2,559145E+22	2,488094E+22	2,313077E+22	2,080989E+22	1,910358E+22	1,910352E+22	2,080992E+22	2,313114E+22
-2609	2,488132E+22	2,559160E+22	2,563538E+22	2,563535E+22	2,559148E+22	2,488097E+22	2,313076E+22	2,080993E+22	1,910384E+22	1,910391E+22	2,080989E+22	2,313029E+22
-2608	2,488008E+22	2,559032E+22	2,563428E+22	2,563477E+22	2,559140E+22	2,488121E+22	2,313111E+22	2,081023E+22	1,910399E+22	1,910393E+22	2,080999E+22	2,313061E+22
-2607	2,488082E+22	2,559166E+22	2,563556E+22	2,563558E+22	2,559183E+22	2,488128E+22	2,313102E+22	2,081025E+22	1,910424E+22	1,910441E+22	2,081078E+22	2,313166E+22
-2606	2,488136E+22	2,559124E+22	2,563459E+22	2,563452E+22	2,559104E+22	2,488098E+22	2,313111E+22	2,081051E+22	1,910450E+22	1,910445E+22	2,081024E+22	2,313064E+22
-2605	2,488049E+22	2,559088E+22	2,563484E+22	2,563483E+22	2,559098E+22	2,488077E+22	2,313113E+22	2,081087E+22	1,910497E+22	1,910474E+22	2,081048E+22	2,313114E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2604	2,488156E+22	2,559224E+22	2,563600E+22	2,563577E+22	2,559155E+22	2,488082E+22	2,313090E+22	2,081069E+22	1,910509E+22	1,910528E+22	2,081117E+22	2,313133E+22
-2603	2,488083E+22	2,559105E+22	2,563488E+22	2,563501E+22	2,559122E+22	2,488084E+22	2,313100E+22	2,081074E+22	1,910503E+22	1,910499E+22	2,081059E+22	2,313065E+22
-2602	2,488040E+22	2,559127E+22	2,563565E+22	2,563570E+22	2,559167E+22	2,488110E+22	2,313112E+22	2,081079E+22	1,910508E+22	1,910518E+22	2,081113E+22	2,313173E+22
-2601	2,488164E+22	2,559180E+22	2,563556E+22	2,563559E+22	2,559171E+22	2,488120E+22	2,313119E+22	2,081077E+22	1,910507E+22	1,910523E+22	2,081100E+22	2,313105E+22
-2600	2,488059E+22	2,559071E+22	2,563442E+22	2,563467E+22	2,559130E+22	2,488133E+22	2,313155E+22	2,081102E+22	1,910495E+22	1,910468E+22	2,081032E+22	2,313066E+22
-2599	2,488076E+22	2,559173E+22	2,563585E+22	2,563564E+22	2,559162E+22	2,488116E+22	2,313130E+22	2,081095E+22	1,910505E+22	1,910492E+22	2,081080E+22	2,313153E+22
-2598	2,488146E+22	2,559155E+22	2,563517E+22	2,563502E+22	2,559111E+22	2,488078E+22	2,313099E+22	2,081066E+22	1,910487E+22	1,910484E+22	2,081038E+22	2,313042E+22
-2597	2,488018E+22	2,559061E+22	2,563469E+22	2,563491E+22	2,559114E+22	2,488078E+22	2,313094E+22	2,081058E+22	1,910466E+22	1,910452E+22	2,081032E+22	2,313078E+22
-2596	2,488100E+22	2,559180E+22	2,563571E+22	2,563564E+22	2,559170E+22	2,488103E+22	2,313078E+22	2,081014E+22	1,910426E+22	1,910454E+22	2,081088E+22	2,313151E+22
-2595	2,488100E+22	2,559093E+22	2,563459E+22	2,563468E+22	2,559110E+22	2,488087E+22	2,313081E+22	2,081000E+22	1,910385E+22	1,910382E+22	2,080983E+22	2,313050E+22
-2594	2,488046E+22	2,559096E+22	2,563500E+22	2,563505E+22	2,559130E+22	2,488097E+22	2,313089E+22	2,081008E+22	1,910382E+22	1,910374E+22	2,080996E+22	2,313110E+22
-2593	2,488167E+22	2,559203E+22	2,563553E+22	2,563532E+22	2,559141E+22	2,488091E+22	2,313076E+22	2,081001E+22	1,910395E+22	1,910406E+22	2,081016E+22	2,313067E+22
-2592	2,488059E+22	2,559090E+22	2,563450E+22	2,563456E+22	2,559110E+22	2,488099E+22	2,313098E+22	2,081018E+22	1,910391E+22	1,910370E+22	2,080961E+22	2,313013E+22
-2591	2,488017E+22	2,559120E+22	2,563560E+22	2,563562E+22	2,559167E+22	2,488107E+22	2,313091E+22	2,081027E+22	1,910424E+22	1,910423E+22	2,081037E+22	2,313134E+22
-2590	2,488139E+22	2,559140E+22	2,563509E+22	2,563512E+22	2,559136E+22	2,488093E+22	2,313080E+22	2,081015E+22	1,910430E+22	1,910452E+22	2,081045E+22	2,313068E+22
-2589	2,488034E+22	2,559042E+22	2,563424E+22	2,563456E+22	2,559110E+22	2,488097E+22	2,313112E+22	2,081058E+22	1,910453E+22	1,910438E+22	2,081025E+22	2,313075E+22
-2588	2,488096E+22	2,559174E+22	2,563556E+22	2,563538E+22	2,559151E+22	2,488111E+22	2,313117E+22	2,081074E+22	1,910489E+22	1,910496E+22	2,081105E+22	2,313168E+22
-2587	2,488139E+22	2,559143E+22	2,563504E+22	2,563482E+22	2,559091E+22	2,488067E+22	2,313099E+22	2,081079E+22	1,910507E+22	1,910500E+22	2,081049E+22	2,313058E+22
-2586	2,488037E+22	2,559096E+22	2,563522E+22	2,563528E+22	2,559125E+22	2,488079E+22	2,313111E+22	2,081104E+22	1,910538E+22	1,910530E+22	2,081090E+22	2,313118E+22
-2585	2,488136E+22	2,559204E+22	2,563596E+22	2,563587E+22	2,559170E+22	2,488095E+22	2,313102E+22	2,081096E+22	1,910560E+22	1,910589E+22	2,081163E+22	2,313149E+22
-2584	2,488078E+22	2,559096E+22	2,563486E+22	2,563497E+22	2,559134E+22	2,488116E+22	2,313135E+22	2,081111E+22	1,910544E+22	1,910539E+22	2,081087E+22	2,313077E+22
-2583	2,488030E+22	2,559100E+22	2,563553E+22	2,563574E+22	2,559179E+22	2,488132E+22	2,313152E+22	2,081136E+22	1,910567E+22	1,910559E+22	2,081122E+22	2,313171E+22
-2582	2,488182E+22	2,559191E+22	2,563544E+22	2,563530E+22	2,559140E+22	2,488105E+22	2,313129E+22	2,081116E+22	1,910565E+22	1,910576E+22	2,081125E+22	2,313103E+22
-2581	2,488057E+22	2,559086E+22	2,563465E+22	2,563465E+22	2,559096E+22	2,488091E+22	2,313145E+22	2,081141E+22	1,910562E+22	1,910527E+22	2,081059E+22	2,313056E+22
-2580	2,488050E+22	2,559152E+22	2,563586E+22	2,563571E+22	2,559153E+22	2,488097E+22	2,313125E+22	2,081122E+22	1,910563E+22	1,910560E+22	2,081131E+22	2,313166E+22
-2579	2,488129E+22	2,559133E+22	2,563524E+22	2,563523E+22	2,559118E+22	2,488064E+22	2,313078E+22	2,081062E+22	1,910511E+22	1,910526E+22	2,081083E+22	2,313069E+22
-2578	2,488024E+22	2,559051E+22	2,563467E+22	2,563504E+22	2,559133E+22	2,488094E+22	2,313101E+22	2,081055E+22	1,910468E+22	1,910473E+22	2,081065E+22	2,313107E+22
-2577	2,488121E+22	2,559179E+22	2,563553E+22	2,563541E+22	2,559153E+22	2,488103E+22	2,313095E+22	2,081041E+22	1,910456E+22	1,910479E+22	2,081103E+22	2,313159E+22
-2576	2,488118E+22	2,559120E+22	2,563475E+22	2,563455E+22	2,559095E+22	2,488095E+22	2,313105E+22	2,081038E+22	1,910425E+22	1,910407E+22	2,080985E+22	2,313033E+22
-2575	2,488029E+22	2,559092E+22	2,563527E+22	2,563535E+22	2,559141E+22	2,488100E+22	2,313110E+22	2,081058E+22	1,910449E+22	1,910426E+22	2,081005E+22	2,313089E+22
-2574	2,488157E+22	2,559199E+22	2,563555E+22	2,563538E+22	2,559139E+22	2,488080E+22	2,313072E+22	2,081025E+22	1,910451E+22	1,910472E+22	2,081060E+22	2,313070E+22
-2573	2,488040E+22	2,559076E+22	2,563454E+22	2,563464E+22	2,559110E+22	2,488091E+22	2,313101E+22	2,081051E+22	1,910448E+22	1,910430E+22	2,081006E+22	2,313029E+22
-2572	2,488004E+22	2,559085E+22	2,563534E+22	2,563551E+22	2,559163E+22	2,488117E+22	2,313119E+22	2,081072E+22	1,910482E+22	1,910483E+22	2,081086E+22	2,313161E+22
-2571	2,488147E+22	2,559131E+22	2,563505E+22	2,563507E+22	2,559119E+22	2,488080E+22	2,313088E+22	2,081049E+22	1,910479E+22	1,910497E+22	2,081076E+22	2,313086E+22
-2570	2,488052E+22	2,559063E+22	2,563443E+22	2,563460E+22	2,559101E+22	2,488090E+22	2,313122E+22	2,081089E+22	1,910500E+22	1,910490E+22	2,081057E+22	2,313078E+22
-2569	2,488096E+22	2,559184E+22	2,563572E+22	2,563536E+22	2,559123E+22	2,488082E+22	2,313117E+22	2,081114E+22	1,910559E+22	1,910569E+22	2,081147E+22	2,313169E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2568	2,488128E+22	2,559151E+22	2,563529E+22	2,563502E+22	2,559100E+22	2,488068E+22	2,313100E+22	2,081105E+22	1,910563E+22	1,910563E+22	2,081094E+22	2,313064E+22
-2567	2,488011E+22	2,559068E+22	2,563527E+22	2,563561E+22	2,559159E+22	2,488102E+22	2,313128E+22	2,081136E+22	1,910592E+22	1,910586E+22	2,081122E+22	2,313131E+22
-2566	2,488145E+22	2,559192E+22	2,563575E+22	2,563573E+22	2,559167E+22	2,488103E+22	2,313117E+22	2,081122E+22	1,910600E+22	1,910634E+22	2,081199E+22	2,313170E+22
-2565	2,488093E+22	2,559105E+22	2,563486E+22	2,563488E+22	2,559116E+22	2,488104E+22	2,313154E+22	2,081160E+22	1,910599E+22	1,910575E+22	2,081100E+22	2,313075E+22
-2564	2,488026E+22	2,559093E+22	2,563546E+22	2,563561E+22	2,559158E+22	2,488124E+22	2,313176E+22	2,081191E+22	1,910636E+22	1,910614E+22	2,081146E+22	2,313162E+22
-2563	2,488163E+22	2,559189E+22	2,563572E+22	2,563553E+22	2,559128E+22	2,488077E+22	2,313119E+22	2,081142E+22	1,910617E+22	1,910631E+22	2,081160E+22	2,313104E+22
-2562	2,488043E+22	2,559082E+22	2,563482E+22	2,563493E+22	2,559112E+22	2,488089E+22	2,313137E+22	2,081145E+22	1,910591E+22	1,910580E+22	2,081110E+22	2,313071E+22
-2561	2,488037E+22	2,559132E+22	2,563569E+22	2,563562E+22	2,559148E+22	2,488096E+22	2,313128E+22	2,081137E+22	1,910597E+22	1,910609E+22	2,081180E+22	2,313197E+22
-2560	2,488142E+22	2,559135E+22	2,563517E+22	2,563514E+22	2,559122E+22	2,488084E+22	2,313096E+22	2,081082E+22	1,910534E+22	1,910549E+22	2,081105E+22	2,313089E+22
-2559	2,488035E+22	2,559046E+22	2,563461E+22	2,563506E+22	2,559141E+22	2,488109E+22	2,313128E+22	2,081096E+22	1,910509E+22	1,910492E+22	2,081058E+22	2,313100E+22
-2558	2,488142E+22	2,559201E+22	2,563555E+22	2,563524E+22	2,559128E+22	2,488088E+22	2,313103E+22	2,081073E+22	1,910502E+22	1,910517E+22	2,081115E+22	2,313147E+22
-2557	2,488110E+22	2,559139E+22	2,563510E+22	2,563474E+22	2,559074E+22	2,488059E+22	2,313102E+22	2,081080E+22	1,910488E+22	1,910458E+22	2,081005E+22	2,313014E+22
-2556	2,487991E+22	2,559057E+22	2,563520E+22	2,563549E+22	2,559146E+22	2,488095E+22	2,313116E+22	2,081096E+22	1,910515E+22	1,910498E+22	2,081056E+22	2,313092E+22
-2555	2,488122E+22	2,559166E+22	2,563554E+22	2,563555E+22	2,559146E+22	2,488076E+22	2,313068E+22	2,081040E+22	1,910491E+22	1,910526E+22	2,081111E+22	2,313100E+22
-2554	2,488044E+22	2,559063E+22	2,563442E+22	2,563462E+22	2,559114E+22	2,488100E+22	2,313115E+22	2,081067E+22	1,910477E+22	1,910475E+22	2,081051E+22	2,313055E+22
-2553	2,488022E+22	2,559087E+22	2,563511E+22	2,563515E+22	2,559127E+22	2,488102E+22	2,313135E+22	2,081116E+22	1,910540E+22	1,910535E+22	2,081119E+22	2,313178E+22
-2552	2,488166E+22	2,559163E+22	2,563522E+22	2,563499E+22	2,559100E+22	2,488069E+22	2,313096E+22	2,081090E+22	1,910539E+22	1,910546E+22	2,081098E+22	2,313083E+22
-2551	2,488042E+22	2,559068E+22	2,563476E+22	2,563500E+22	2,559115E+22	2,488084E+22	2,313129E+22	2,081132E+22	1,910570E+22	1,910551E+22	2,081079E+22	2,313073E+22
-2550	2,488095E+22	2,559187E+22	2,563584E+22	2,563557E+22	2,559132E+22	2,488074E+22	2,313109E+22	2,081133E+22	1,910612E+22	1,910636E+22	2,081199E+22	2,313184E+22
-2549	2,488116E+22	2,559146E+22	2,563546E+22	2,563528E+22	2,559112E+22	2,488068E+22	2,313113E+22	2,081142E+22	1,910615E+22	1,910615E+22	2,081132E+22	2,313078E+22
-2548	2,487998E+22	2,559037E+22	2,563506E+22	2,563562E+22	2,559172E+22	2,488127E+22	2,313169E+22	2,081190E+22	1,910653E+22	1,910642E+22	2,081160E+22	2,313142E+22
-2547	2,488138E+22	2,559186E+22	2,563575E+22	2,563571E+22	2,559160E+22	2,488103E+22	2,313137E+22	2,081165E+22	1,910653E+22	1,910676E+22	2,081220E+22	2,313174E+22
-2546	2,488097E+22	2,559118E+22	2,563497E+22	2,563488E+22	2,559106E+22	2,488101E+22	2,313171E+22	2,081197E+22	1,910654E+22	1,910633E+22	2,081133E+22	2,313073E+22
-2545	2,488014E+22	2,559087E+22	2,563541E+22	2,563549E+22	2,559127E+22	2,488093E+22	2,313176E+22	2,081232E+22	1,910706E+22	1,910687E+22	2,081196E+22	2,313174E+22
-2544	2,488148E+22	2,559180E+22	2,563568E+22	2,563557E+22	2,559132E+22	2,488070E+22	2,313108E+22	2,081155E+22	1,910659E+22	1,910683E+22	2,081206E+22	2,313128E+22
-2543	2,488033E+22	2,559060E+22	2,563476E+22	2,563509E+22	2,559132E+22	2,488099E+22	2,313142E+22	2,081159E+22	1,910622E+22	1,910614E+22	2,081135E+22	2,313099E+22
-2542	2,488067E+22	2,559138E+22	2,563550E+22	2,563538E+22	2,559127E+22	2,488084E+22	2,313126E+22	2,081143E+22	1,910613E+22	1,910630E+22	2,081200E+22	2,313215E+22
-2541	2,488164E+22	2,559162E+22	2,563532E+22	2,563510E+22	2,559097E+22	2,488059E+22	2,313104E+22	2,081118E+22	1,910568E+22	1,910562E+22	2,081097E+22	2,313074E+22
-2540	2,488029E+22	2,559054E+22	2,563474E+22	2,563515E+22	2,559134E+22	2,488103E+22	2,313146E+22	2,081142E+22	1,910567E+22	1,910536E+22	2,081066E+22	2,313072E+22
-2539	2,488104E+22	2,559199E+22	2,563587E+22	2,563557E+22	2,559132E+22	2,488071E+22	2,313096E+22	2,081098E+22	1,910552E+22	1,910564E+22	2,081137E+22	2,313134E+22
-2538	2,488082E+22	2,559125E+22	2,563519E+22	2,563505E+22	2,559105E+22	2,488073E+22	2,313106E+22	2,081094E+22	1,910527E+22	1,910518E+22	2,081055E+22	2,313025E+22
-2537	2,487967E+22	2,559024E+22	2,563487E+22	2,563533E+22	2,559140E+22	2,488099E+22	2,313134E+22	2,081131E+22	1,910568E+22	1,910560E+22	2,081113E+22	2,313127E+22
-2536	2,488123E+22	2,559151E+22	2,563527E+22	2,563537E+22	2,559147E+22	2,488090E+22	2,313090E+22	2,081075E+22	1,910536E+22	1,910569E+22	2,081148E+22	2,313129E+22
-2535	2,488057E+22	2,559064E+22	2,563435E+22	2,563457E+22	2,559109E+22	2,488102E+22	2,313137E+22	2,081117E+22	1,910540E+22	1,910521E+22	2,081066E+22	2,313065E+22
-2534	2,488048E+22	2,559117E+22	2,563521E+22	2,563497E+22	2,559089E+22	2,488067E+22	2,313129E+22	2,081149E+22	1,910602E+22	1,910597E+22	2,081155E+22	2,313182E+22
-2533	2,488165E+22	2,559188E+22	2,563564E+22	2,563528E+22	2,559084E+22	2,488029E+22	2,313087E+22	2,081131E+22	1,910607E+22	1,910610E+22	2,081133E+22	2,313083E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2532	2,488017E+22	2,559048E+22	2,563480E+22	2,563528E+22	2,559138E+22	2,488089E+22	2,313136E+22	2,081167E+22	1,910636E+22	1,910623E+22	2,081131E+22	2,313083E+22
-2531	2,488067E+22	2,559166E+22	2,563592E+22	2,563580E+22	2,559153E+22	2,488085E+22	2,313118E+22	2,081153E+22	1,910651E+22	1,910682E+22	2,081239E+22	2,313210E+22
-2530	2,488124E+22	2,559142E+22	2,563541E+22	2,563534E+22	2,559127E+22	2,488091E+22	2,313142E+22	2,081170E+22	1,910651E+22	1,910658E+22	2,081166E+22	2,313091E+22
-2529	2,488003E+22	2,559035E+22	2,563482E+22	2,563528E+22	2,559142E+22	2,488122E+22	2,313200E+22	2,081249E+22	1,910722E+22	1,910697E+22	2,081190E+22	2,313148E+22
-2528	2,488135E+22	2,559199E+22	2,563583E+22	2,563565E+22	2,559148E+22	2,488096E+22	2,313150E+22	2,081212E+22	1,910720E+22	1,910732E+22	2,081244E+22	2,313172E+22
-2527	2,488081E+22	2,559112E+22	2,563511E+22	2,563508E+22	2,559111E+22	2,488090E+22	2,313172E+22	2,081234E+22	1,910720E+22	1,910692E+22	2,081159E+22	2,313077E+22
-2526	2,488013E+22	2,559084E+22	2,563536E+22	2,563545E+22	2,559117E+22	2,488072E+22	2,313157E+22	2,081239E+22	1,910747E+22	1,910745E+22	2,081246E+22	2,313200E+22
-2525	2,488150E+22	2,559183E+22	2,563580E+22	2,563566E+22	2,559123E+22	2,488051E+22	2,313108E+22	2,081177E+22	1,910690E+22	1,910713E+22	2,081231E+22	2,313148E+22
-2524	2,488034E+22	2,559045E+22	2,563461E+22	2,563508E+22	2,559137E+22	2,488108E+22	2,313162E+22	2,081192E+22	1,910659E+22	1,910644E+22	2,081151E+22	2,313103E+22
-2523	2,488064E+22	2,559150E+22	2,563568E+22	2,563543E+22	2,559123E+22	2,488079E+22	2,313132E+22	2,081166E+22	1,910644E+22	1,910649E+22	2,081201E+22	2,313208E+22
-2522	2,488163E+22	2,559182E+22	2,563560E+22	2,563529E+22	2,559100E+22	2,488058E+22	2,313112E+22	2,081139E+22	1,910609E+22	1,910607E+22	2,081113E+22	2,313054E+22
-2521	2,487998E+22	2,559041E+22	2,563471E+22	2,563515E+22	2,559124E+22	2,488088E+22	2,313151E+22	2,081181E+22	1,910632E+22	1,910605E+22	2,081110E+22	2,313074E+22
-2520	2,488069E+22	2,559169E+22	2,563572E+22	2,563567E+22	2,559156E+22	2,488082E+22	2,313096E+22	2,081118E+22	1,910600E+22	1,910620E+22	2,081181E+22	2,313154E+22
-2519	2,488065E+22	2,559091E+22	2,563495E+22	2,563505E+22	2,559122E+22	2,488092E+22	2,313125E+22	2,081124E+22	1,910573E+22	1,910562E+22	2,081088E+22	2,313061E+22
-2518	2,487996E+22	2,559023E+22	2,563457E+22	2,563493E+22	2,559108E+22	2,488082E+22	2,313139E+22	2,081156E+22	1,910608E+22	1,910603E+22	2,081150E+22	2,313159E+22
-2517	2,488151E+22	2,559181E+22	2,563542E+22	2,563523E+22	2,559105E+22	2,488054E+22	2,313098E+22	2,081124E+22	1,910590E+22	1,910605E+22	2,081161E+22	2,313133E+22
-2516	2,488060E+22	2,559079E+22	2,563457E+22	2,563470E+22	2,559099E+22	2,488086E+22	2,313144E+22	2,081161E+22	1,910610E+22	1,910585E+22	2,081093E+22	2,313055E+22
-2515	2,488025E+22	2,559131E+22	2,563566E+22	2,563537E+22	2,559100E+22	2,488051E+22	2,313114E+22	2,081166E+22	1,910653E+22	1,910654E+22	2,081189E+22	2,313184E+22
-2514	2,488150E+22	2,559188E+22	2,563588E+22	2,563569E+22	2,559124E+22	2,488051E+22	2,313094E+22	2,081143E+22	1,910650E+22	1,910674E+22	2,081182E+22	2,313094E+22
-2513	2,488001E+22	2,559027E+22	2,563463E+22	2,563525E+22	2,559146E+22	2,488108E+22	2,313168E+22	2,081215E+22	1,910698E+22	1,910687E+22	2,081181E+22	2,313110E+22
-2512	2,488061E+22	2,559147E+22	2,563566E+22	2,563572E+22	2,559168E+22	2,488109E+22	2,313151E+22	2,081205E+22	1,910710E+22	1,910726E+22	2,081260E+22	2,313221E+22
-2511	2,488126E+22	2,559140E+22	2,563534E+22	2,563527E+22	2,559125E+22	2,488102E+22	2,313177E+22	2,081235E+22	1,910728E+22	1,910711E+22	2,081181E+22	2,313095E+22
-2510	2,488015E+22	2,559051E+22	2,563483E+22	2,563500E+22	2,559095E+22	2,488082E+22	2,313195E+22	2,081289E+22	1,910792E+22	1,910769E+22	2,081233E+22	2,313154E+22
-2509	2,488121E+22	2,559202E+22	2,563605E+22	2,563575E+22	2,559118E+22	2,488049E+22	2,313136E+22	2,081247E+22	1,910782E+22	1,910796E+22	2,081285E+22	2,313182E+22
-2508	2,488060E+22	2,559088E+22	2,563507E+22	2,563522E+22	2,559122E+22	2,488084E+22	2,313163E+22	2,081250E+22	1,910770E+22	1,910757E+22	2,081211E+22	2,313097E+22
-2507	2,488002E+22	2,559077E+22	2,563544E+22	2,563552E+22	2,559120E+22	2,488067E+22	2,313144E+22	2,081234E+22	1,910761E+22	1,910770E+22	2,081273E+22	2,313227E+22
-2506	2,488171E+22	2,559195E+22	2,563585E+22	2,563572E+22	2,559134E+22	2,488063E+22	2,313117E+22	2,081182E+22	1,910705E+22	1,910736E+22	2,081242E+22	2,313149E+22
-2505	2,488042E+22	2,559058E+22	2,563459E+22	2,563491E+22	2,559118E+22	2,488102E+22	2,313181E+22	2,081233E+22	1,910707E+22	1,910678E+22	2,081160E+22	2,313094E+22
-2504	2,488048E+22	2,559151E+22	2,563580E+22	2,563559E+22	2,559135E+22	2,488083E+22	2,313142E+22	2,081200E+22	1,910693E+22	1,910686E+22	2,081205E+22	2,313188E+22
-2503	2,488132E+22	2,559165E+22	2,563572E+22	2,563558E+22	2,559127E+22	2,488071E+22	2,313126E+22	2,081174E+22	1,910665E+22	1,910657E+22	2,081136E+22	2,313056E+22
-2502	2,487985E+22	2,559022E+22	2,563453E+22	2,563498E+22	2,559116E+22	2,488083E+22	2,313150E+22	2,081199E+22	1,910677E+22	1,910665E+22	2,081164E+22	2,313104E+22
-2501	2,488064E+22	2,559152E+22	2,563563E+22	2,563556E+22	2,559138E+22	2,488073E+22	2,313114E+22	2,081157E+22	1,910643E+22	1,910662E+22	2,081215E+22	2,313183E+22
-2500	2,488074E+22	2,559076E+22	2,563471E+22	2,563487E+22	2,559114E+22	2,488094E+22	2,313147E+22	2,081168E+22	1,910631E+22	1,910614E+22	2,081117E+22	2,313073E+22
-2499	2,488004E+22	2,559049E+22	2,563479E+22	2,563485E+22	2,559084E+22	2,488060E+22	2,313135E+22	2,081182E+22	1,910655E+22	1,910644E+22	2,081167E+22	2,313166E+22
-2498	2,488163E+22	2,559213E+22	2,563583E+22	2,563546E+22	2,559100E+22	2,488036E+22	2,313092E+22	2,081143E+22	1,910644E+22	1,910669E+22	2,081192E+22	2,313124E+22
-2497	2,488040E+22	2,559074E+22	2,563471E+22	2,563485E+22	2,559098E+22	2,488070E+22	2,313143E+22	2,081197E+22	1,910678E+22	1,910661E+22	2,081145E+22	2,313066E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2496	2,488001E+22	2,559108E+22	2,563564E+22	2,563564E+22	2,559141E+22	2,488072E+22	2,313121E+22	2,081188E+22	1,910701E+22	1,910710E+22	2,081227E+22	2,313202E+22
-2495	2,488140E+22	2,559166E+22	2,563577E+22	2,563578E+22	2,559150E+22	2,488082E+22	2,313126E+22	2,081184E+22	1,910701E+22	1,910718E+22	2,081207E+22	2,313116E+22
-2494	2,488017E+22	2,559025E+22	2,563439E+22	2,563488E+22	2,559118E+22	2,488101E+22	2,313188E+22	2,081260E+22	1,910757E+22	1,910741E+22	2,081214E+22	2,313127E+22
-2493	2,488069E+22	2,559160E+22	2,563580E+22	2,563560E+22	2,559129E+22	2,488081E+22	2,313172E+22	2,081268E+22	1,910783E+22	1,910780E+22	2,081277E+22	2,313214E+22
-2492	2,488113E+22	2,559135E+22	2,563544E+22	2,563533E+22	2,559114E+22	2,488083E+22	2,313183E+22	2,081284E+22	1,910810E+22	1,910791E+22	2,081221E+22	2,313088E+22
-2491	2,487989E+22	2,559052E+22	2,563512E+22	2,563523E+22	2,559095E+22	2,488059E+22	2,313172E+22	2,081298E+22	1,910839E+22	1,910830E+22	2,081280E+22	2,313174E+22
-2490	2,488117E+22	2,559200E+22	2,563621E+22	2,563598E+22	2,559137E+22	2,488055E+22	2,313128E+22	2,081244E+22	1,910812E+22	1,910851E+22	2,081333E+22	2,313204E+22
-2489	2,488058E+22	2,559073E+22	2,563494E+22	2,563514E+22	2,559120E+22	2,488091E+22	2,313180E+22	2,081276E+22	1,910806E+22	1,910800E+22	2,081249E+22	2,313125E+22
-2488	2,488013E+22	2,559073E+22	2,563532E+22	2,563553E+22	2,559141E+22	2,488086E+22	2,313163E+22	2,081261E+22	1,910791E+22	1,910789E+22	2,081273E+22	2,313225E+22
-2487	2,488179E+22	2,559206E+22	2,563593E+22	2,563575E+22	2,559141E+22	2,488080E+22	2,313147E+22	2,081229E+22	1,910755E+22	1,910762E+22	2,081237E+22	2,313137E+22
-2486	2,488041E+22	2,559067E+22	2,563469E+22	2,563479E+22	2,559090E+22	2,488079E+22	2,313183E+22	2,081268E+22	1,910764E+22	1,910735E+22	2,081190E+22	2,313089E+22
-2485	2,488020E+22	2,559134E+22	2,563593E+22	2,563572E+22	2,559122E+22	2,488060E+22	2,313145E+22	2,081239E+22	1,910748E+22	1,910741E+22	2,081237E+22	2,313188E+22
-2484	2,488102E+22	2,559125E+22	2,563552E+22	2,563560E+22	2,559139E+22	2,488081E+22	2,313135E+22	2,081200E+22	1,910717E+22	1,910721E+22	2,081187E+22	2,313076E+22
-2483	2,487978E+22	2,559012E+22	2,563447E+22	2,563482E+22	2,559101E+22	2,488076E+22	2,313148E+22	2,081206E+22	1,910701E+22	1,910699E+22	2,081199E+22	2,313137E+22
-2482	2,488092E+22	2,559166E+22	2,563564E+22	2,563543E+22	2,559124E+22	2,488068E+22	2,313119E+22	2,081171E+22	1,910677E+22	1,910702E+22	2,081235E+22	2,313191E+22
-2481	2,488091E+22	2,559097E+22	2,563482E+22	2,563471E+22	2,559082E+22	2,488072E+22	2,313154E+22	2,081209E+22	1,910691E+22	1,910668E+22	2,081144E+22	2,313075E+22
-2480	2,488001E+22	2,559057E+22	2,563502E+22	2,563514E+22	2,559098E+22	2,488049E+22	2,313128E+22	2,081205E+22	1,910706E+22	1,910692E+22	2,081183E+22	2,313153E+22
-2479	2,488144E+22	2,559208E+22	2,563608E+22	2,563587E+22	2,559137E+22	2,488053E+22	2,313102E+22	2,081174E+22	1,910700E+22	1,910722E+22	2,081222E+22	2,313132E+22
-2478	2,488030E+22	2,559062E+22	2,563471E+22	2,563485E+22	2,559101E+22	2,488074E+22	2,313151E+22	2,081223E+22	1,910729E+22	1,910724E+22	2,081198E+22	2,313091E+22
-2477	2,487990E+22	2,559083E+22	2,563558E+22	2,563563E+22	2,559133E+22	2,488079E+22	2,313158E+22	2,081243E+22	1,910757E+22	1,910757E+22	2,081255E+22	2,313212E+22
-2476	2,488137E+22	2,559146E+22	2,563557E+22	2,563566E+22	2,559151E+22	2,488098E+22	2,313163E+22	2,081245E+22	1,910778E+22	1,910785E+22	2,081241E+22	2,313118E+22
-2475	2,488014E+22	2,559043E+22	2,563456E+22	2,563469E+22	2,559085E+22	2,488079E+22	2,313193E+22	2,081300E+22	1,910822E+22	1,910803E+22	2,081247E+22	2,313133E+22
-2474	2,488070E+22	2,559170E+22	2,563605E+22	2,563571E+22	2,559115E+22	2,488057E+22	2,313161E+22	2,081292E+22	1,910851E+22	1,910862E+22	2,081324E+22	2,313215E+22
-2473	2,488096E+22	2,559120E+22	2,563544E+22	2,563538E+22	2,559104E+22	2,488060E+22	2,313172E+22	2,081311E+22	1,910874E+22	1,910871E+22	2,081286E+22	2,313118E+22
-2472	2,487981E+22	2,559028E+22	2,563502E+22	2,563541E+22	2,559125E+22	2,488067E+22	2,313166E+22	2,081303E+22	1,910867E+22	1,910871E+22	2,081317E+22	2,313202E+22
-2471	2,488130E+22	2,559193E+22	2,563617E+22	2,563604E+22	2,559155E+22	2,488079E+22	2,313153E+22	2,081269E+22	1,910838E+22	1,910870E+22	2,081348E+22	2,313227E+22
-2470	2,488086E+22	2,559089E+22	2,563491E+22	2,563489E+22	2,559092E+22	2,488081E+22	2,313194E+22	2,081307E+22	1,910842E+22	1,910828E+22	2,081262E+22	2,313128E+22
-2469	2,488019E+22	2,559091E+22	2,563559E+22	2,563555E+22	2,559112E+22	2,488071E+22	2,313189E+22	2,081313E+22	1,910842E+22	1,910820E+22	2,081268E+22	2,313196E+22
-2468	2,488155E+22	2,559197E+22	2,563607E+22	2,563594E+22	2,559148E+22	2,488080E+22	2,313161E+22	2,081272E+22	1,910822E+22	1,910825E+22	2,081261E+22	2,313111E+22
-2467	2,488004E+22	2,559060E+22	2,563487E+22	2,563493E+22	2,559094E+22	2,488071E+22	2,313175E+22	2,081281E+22	1,910806E+22	1,910788E+22	2,081232E+22	2,313103E+22
-2466	2,488010E+22	2,559113E+22	2,563589E+22	2,563581E+22	2,559134E+22	2,488069E+22	2,313147E+22	2,081247E+22	1,910785E+22	1,910798E+22	2,081282E+22	2,313207E+22
-2465	2,488098E+22	2,559096E+22	2,563523E+22	2,563536E+22	2,559122E+22	2,488078E+22	2,313154E+22	2,081236E+22	1,910763E+22	1,910771E+22	2,081233E+22	2,313109E+22
-2464	2,487996E+22	2,559006E+22	2,563432E+22	2,563477E+22	2,559104E+22	2,488075E+22	2,313156E+22	2,081232E+22	1,910738E+22	1,910730E+22	2,081211E+22	2,313144E+22
-2463	2,488111E+22	2,559190E+22	2,563584E+22	2,563544E+22	2,559112E+22	2,488062E+22	2,313132E+22	2,081208E+22	1,910727E+22	1,910739E+22	2,081247E+22	2,313188E+22
-2462	2,488092E+22	2,559111E+22	2,563505E+22	2,563472E+22	2,559055E+22	2,488037E+22	2,313140E+22	2,081233E+22	1,910747E+22	1,910733E+22	2,081187E+22	2,313079E+22
-2461	2,487981E+22	2,559047E+22	2,563526E+22	2,563541E+22	2,559100E+22	2,488040E+22	2,313133E+22	2,081237E+22	1,910758E+22	1,910748E+22	2,081217E+22	2,313153E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2460	2,488120E+22	2,559173E+22	2,563593E+22	2,563599E+22	2,559164E+22	2,488079E+22	2,313124E+22	2,081208E+22	1,910755E+22	1,910785E+22	2,081267E+22	2,313144E+22
-2459	2,488024E+22	2,559056E+22	2,563468E+22	2,563476E+22	2,559095E+22	2,488080E+22	2,313169E+22	2,081251E+22	1,910769E+22	1,910766E+22	2,081232E+22	2,313117E+22
-2458	2,488011E+22	2,559087E+22	2,563557E+22	2,563553E+22	2,559120E+22	2,488079E+22	2,313176E+22	2,081283E+22	1,910818E+22	1,910815E+22	2,081280E+22	2,313209E+22
-2457	2,488133E+22	2,559148E+22	2,563560E+22	2,563551E+22	2,559118E+22	2,488077E+22	2,313180E+22	2,081303E+22	1,910859E+22	1,910860E+22	2,081285E+22	2,313124E+22
-2456	2,488004E+22	2,559036E+22	2,563470E+22	2,563496E+22	2,559095E+22	2,488064E+22	2,313185E+22	2,081328E+22	1,910884E+22	1,910868E+22	2,081283E+22	2,313136E+22
-2455	2,488062E+22	2,559166E+22	2,563618E+22	2,563595E+22	2,559134E+22	2,488065E+22	2,313168E+22	2,081319E+22	1,910902E+22	1,910918E+22	2,081369E+22	2,313239E+22
-2454	2,488100E+22	2,559115E+22	2,563542E+22	2,563533E+22	2,559096E+22	2,488055E+22	2,313174E+22	2,081330E+22	1,910915E+22	1,910925E+22	2,081339E+22	2,313153E+22
-2453	2,487994E+22	2,559024E+22	2,563504E+22	2,563543E+22	2,559115E+22	2,488071E+22	2,313196E+22	2,081344E+22	1,910905E+22	1,910898E+22	2,081328E+22	2,313205E+22
-2452	2,488136E+22	2,559194E+22	2,563612E+22	2,563602E+22	2,559160E+22	2,488096E+22	2,313186E+22	2,081320E+22	1,910896E+22	1,910913E+22	2,081360E+22	2,313211E+22
-2451	2,488080E+22	2,559115E+22	2,563523E+22	2,563490E+22	2,559070E+22	2,488064E+22	2,313200E+22	2,081339E+22	1,910891E+22	1,910870E+22	2,081279E+22	2,313118E+22
-2450	2,488003E+22	2,559087E+22	2,563580E+22	2,563578E+22	2,559112E+22	2,488056E+22	2,313182E+22	2,081336E+22	1,910902E+22	1,910888E+22	2,081302E+22	2,313179E+22
-2449	2,488116E+22	2,559164E+22	2,563596E+22	2,563599E+22	2,559149E+22	2,488073E+22	2,313161E+22	2,081299E+22	1,910879E+22	1,910896E+22	2,081323E+22	2,313137E+22
-2448	2,487991E+22	2,559021E+22	2,563458E+22	2,563496E+22	2,559110E+22	2,488076E+22	2,313172E+22	2,081287E+22	1,910831E+22	1,910824E+22	2,081266E+22	2,313129E+22
-2447	2,488025E+22	2,559104E+22	2,563567E+22	2,563565E+22	2,559129E+22	2,488079E+22	2,313167E+22	2,081273E+22	1,910812E+22	1,910818E+22	2,081304E+22	2,313234E+22
-2446	2,488129E+22	2,559116E+22	2,563517E+22	2,563504E+22	2,559077E+22	2,488047E+22	2,313152E+22	2,081263E+22	1,910802E+22	1,910806E+22	2,081257E+22	2,313121E+22
-2445	2,488008E+22	2,559028E+22	2,563460E+22	2,563481E+22	2,559072E+22	2,488048E+22	2,313165E+22	2,081268E+22	1,910783E+22	1,910763E+22	2,081216E+22	2,313125E+22
-2444	2,488094E+22	2,559189E+22	2,563607E+22	2,563578E+22	2,559128E+22	2,488061E+22	2,313136E+22	2,081239E+22	1,910785E+22	1,910800E+22	2,081279E+22	2,313171E+22
-2443	2,488067E+22	2,559116E+22	2,563531E+22	2,563498E+22	2,559068E+22	2,488037E+22	2,313136E+22	2,081242E+22	1,910782E+22	1,910782E+22	2,081229E+22	2,313095E+22
-2442	2,487974E+22	2,559030E+22	2,563528E+22	2,563559E+22	2,559121E+22	2,488060E+22	2,313148E+22	2,081261E+22	1,910806E+22	1,910806E+22	2,081255E+22	2,313159E+22
-2441	2,488108E+22	2,559148E+22	2,563569E+22	2,563585E+22	2,559159E+22	2,488091E+22	2,313161E+22	2,081266E+22	1,910822E+22	1,910845E+22	2,081310E+22	2,313165E+22
-2440	2,488032E+22	2,559044E+22	2,563450E+22	2,563472E+22	2,559095E+22	2,488083E+22	2,313192E+22	2,081303E+22	1,910834E+22	1,910817E+22	2,081253E+22	2,313119E+22
-2439	2,488018E+22	2,559101E+22	2,563567E+22	2,563551E+22	2,559103E+22	2,488071E+22	2,313199E+22	2,081341E+22	1,910892E+22	1,910878E+22	2,081317E+22	2,313215E+22
-2438	2,488126E+22	2,559150E+22	2,563572E+22	2,563548E+22	2,559085E+22	2,488034E+22	2,313167E+22	2,081338E+22	1,910932E+22	1,910944E+22	2,081351E+22	2,313148E+22
-2437	2,487995E+22	2,559027E+22	2,563483E+22	2,563512E+22	2,559088E+22	2,488050E+22	2,313187E+22	2,081354E+22	1,910935E+22	1,910929E+22	2,081331E+22	2,313156E+22
-2436	2,488057E+22	2,559150E+22	2,563611E+22	2,563605E+22	2,559150E+22	2,488080E+22	2,313181E+22	2,081344E+22	1,910949E+22	1,910973E+22	2,081411E+22	2,313254E+22
-2435	2,488110E+22	2,559133E+22	2,563554E+22	2,563530E+22	2,559087E+22	2,488052E+22	2,313182E+22	2,081349E+22	1,910943E+22	1,910953E+22	2,081360E+22	2,313171E+22
-2434	2,488017E+22	2,559047E+22	2,563523E+22	2,563551E+22	2,559112E+22	2,488069E+22	2,313205E+22	2,081378E+22	1,910959E+22	1,910940E+22	2,081334E+22	2,313182E+22
-2433	2,488117E+22	2,559194E+22	2,563622E+22	2,563605E+22	2,559147E+22	2,488084E+22	2,313203E+22	2,081371E+22	1,910964E+22	1,910970E+22	2,081385E+22	2,313200E+22
-2432	2,488051E+22	2,559091E+22	2,563529E+22	2,563527E+22	2,559096E+22	2,488063E+22	2,313199E+22	2,081365E+22	1,910940E+22	1,910921E+22	2,081306E+22	2,313114E+22
-2431	2,487983E+22	2,559066E+22	2,563571E+22	2,563590E+22	2,559130E+22	2,488072E+22	2,313196E+22	2,081361E+22	1,910940E+22	1,910931E+22	2,081346E+22	2,313201E+22
-2430	2,488103E+22	2,559136E+22	2,563568E+22	2,563575E+22	2,559128E+22	2,488062E+22	2,313165E+22	2,081318E+22	1,910913E+22	1,910942E+22	2,081375E+22	2,313178E+22
-2429	2,488006E+22	2,559014E+22	2,563443E+22	2,563476E+22	2,559085E+22	2,488071E+22	2,313194E+22	2,081320E+22	1,910863E+22	1,910849E+22	2,081281E+22	2,313141E+22
-2428	2,488042E+22	2,559116E+22	2,563561E+22	2,563549E+22	2,559113E+22	2,488073E+22	2,313182E+22	2,081311E+22	1,910864E+22	1,910860E+22	2,081318E+22	2,313222E+22
-2427	2,488133E+22	2,559156E+22	2,563553E+22	2,563507E+22	2,559049E+22	2,488015E+22	2,313141E+22	2,081281E+22	1,910843E+22	1,910846E+22	2,081277E+22	2,313122E+22
-2426	2,488004E+22	2,559037E+22	2,563492E+22	2,563518E+22	2,559081E+22	2,488029E+22	2,313145E+22	2,081284E+22	1,910837E+22	1,910822E+22	2,081245E+22	2,313111E+22
-2425	2,488058E+22	2,559160E+22	2,563602E+22	2,563594E+22	2,559145E+22	2,488068E+22	2,313145E+22	2,081269E+22	1,910838E+22	1,910861E+22	2,081330E+22	2,313193E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2424	2,488052E+22	2,559080E+22	2,563513E+22	2,563519E+22	2,559099E+22	2,488058E+22	2,313153E+22	2,081266E+22	1,910818E+22	1,910820E+22	2,081258E+22	2,313113E+22
-2423	2,487984E+22	2,559025E+22	2,563508E+22	2,563546E+22	2,559121E+22	2,488081E+22	2,313189E+22	2,081313E+22	1,910856E+22	1,910843E+22	2,081282E+22	2,313174E+22
-2422	2,488113E+22	2,559156E+22	2,563562E+22	2,563556E+22	2,559117E+22	2,488066E+22	2,313175E+22	2,081320E+22	1,910895E+22	1,910908E+22	2,081348E+22	2,313178E+22
-2421	2,488034E+22	2,559056E+22	2,563471E+22	2,563473E+22	2,559063E+22	2,488057E+22	2,313205E+22	2,081355E+22	1,910910E+22	1,910884E+22	2,081282E+22	2,313110E+22
-2420	2,488001E+22	2,559097E+22	2,563579E+22	2,563574E+22	2,559111E+22	2,488061E+22	2,313199E+22	2,081380E+22	1,910970E+22	1,910962E+22	2,081370E+22	2,313218E+22
-2419	2,488113E+22	2,559162E+22	2,563593E+22	2,563565E+22	2,559087E+22	2,488023E+22	2,313156E+22	2,081349E+22	1,910974E+22	1,911003E+22	2,081408E+22	2,313185E+22
-2418	2,488003E+22	2,559023E+22	2,563490E+22	2,563532E+22	2,559102E+22	2,488056E+22	2,313189E+22	2,081374E+22	1,910982E+22	1,910980E+22	2,081365E+22	2,313170E+22
-2417	2,488057E+22	2,559141E+22	2,563601E+22	2,563603E+22	2,559153E+22	2,488091E+22	2,313210E+22	2,081392E+22	1,911004E+22	1,911020E+22	2,081442E+22	2,313272E+22
-2416	2,488118E+22	2,559132E+22	2,563554E+22	2,563542E+22	2,559095E+22	2,488056E+22	2,313199E+22	2,081387E+22	1,910993E+22	1,910988E+22	2,081364E+22	2,313157E+22
-2415	2,488011E+22	2,559057E+22	2,563536E+22	2,563560E+22	2,559109E+22	2,488070E+22	2,313228E+22	2,081426E+22	1,911018E+22	1,910989E+22	2,081360E+22	2,313172E+22
-2414	2,488082E+22	2,559176E+22	2,563622E+22	2,563607E+22	2,559130E+22	2,488056E+22	2,313193E+22	2,081401E+22	1,911026E+22	1,911039E+22	2,081438E+22	2,313218E+22
-2413	2,488031E+22	2,559062E+22	2,563513E+22	2,563522E+22	2,559090E+22	2,488060E+22	2,313207E+22	2,081386E+22	1,910981E+22	1,910969E+22	2,081345E+22	2,313134E+22
-2412	2,487978E+22	2,559041E+22	2,563540E+22	2,563573E+22	2,559130E+22	2,488081E+22	2,313211E+22	2,081385E+22	1,910977E+22	1,910974E+22	2,081381E+22	2,313222E+22
-2411	2,488122E+22	2,559160E+22	2,563564E+22	2,563548E+22	2,559094E+22	2,488040E+22	2,313162E+22	2,081331E+22	1,910934E+22	1,910961E+22	2,081393E+22	2,313203E+22
-2410	2,488035E+22	2,559049E+22	2,563466E+22	2,563477E+22	2,559065E+22	2,488045E+22	2,313182E+22	2,081340E+22	1,910908E+22	1,910883E+22	2,081282E+22	2,313122E+22
-2409	2,488030E+22	2,559130E+22	2,563586E+22	2,563565E+22	2,559105E+22	2,488054E+22	2,313180E+22	2,081343E+22	1,910919E+22	1,910911E+22	2,081341E+22	2,313216E+22
-2408	2,488110E+22	2,559143E+22	2,563573E+22	2,563559E+22	2,559086E+22	2,488016E+22	2,313133E+22	2,081295E+22	1,910882E+22	1,910887E+22	2,081297E+22	2,313116E+22
-2407	2,487986E+22	2,559028E+22	2,563496E+22	2,563544E+22	2,559115E+22	2,488060E+22	2,313171E+22	2,081315E+22	1,910876E+22	1,910865E+22	2,081285E+22	2,313126E+22
-2406	2,488033E+22	2,559131E+22	2,563582E+22	2,563585E+22	2,559140E+22	2,488072E+22	2,313168E+22	2,081312E+22	1,910892E+22	1,910914E+22	2,081374E+22	2,313222E+22
-2405	2,488058E+22	2,559069E+22	2,563495E+22	2,563499E+22	2,559086E+22	2,488070E+22	2,313195E+22	2,081324E+22	1,910881E+22	1,910868E+22	2,081281E+22	2,313119E+22
-2404	2,487988E+22	2,559031E+22	2,563498E+22	2,563527E+22	2,559103E+22	2,488078E+22	2,313216E+22	2,081375E+22	1,910940E+22	1,910917E+22	2,081316E+22	2,313168E+22
-2403	2,488105E+22	2,559180E+22	2,563585E+22	2,563553E+22	2,559083E+22	2,488027E+22	2,313165E+22	2,081352E+22	1,910963E+22	1,910982E+22	2,081400E+22	2,313199E+22
-2402	2,488032E+22	2,559063E+22	2,563496E+22	2,563502E+22	2,559066E+22	2,488026E+22	2,313175E+22	2,081374E+22	1,910982E+22	1,910966E+22	2,081336E+22	2,313123E+22
-2401	2,487983E+22	2,559078E+22	2,563572E+22	2,563582E+22	2,559120E+22	2,488058E+22	2,313195E+22	2,081400E+22	1,911023E+22	1,911029E+22	2,081431E+22	2,313257E+22
-2400	2,488116E+22	2,559141E+22	2,563585E+22	2,563587E+22	2,559112E+22	2,488035E+22	2,313165E+22	2,081366E+22	1,911004E+22	1,911034E+22	2,081430E+22	2,313207E+22
-2399	2,488028E+22	2,559043E+22	2,563494E+22	2,563532E+22	2,559106E+22	2,488073E+22	2,313224E+22	2,081419E+22	1,911019E+22	1,911004E+22	2,081380E+22	2,313173E+22
-2398	2,488050E+22	2,559149E+22	2,563608E+22	2,563591E+22	2,559125E+22	2,488073E+22	2,313225E+22	2,081442E+22	1,911068E+22	1,911068E+22	2,081460E+22	2,313267E+22
-2397	2,488105E+22	2,559135E+22	2,563572E+22	2,563552E+22	2,559089E+22	2,488053E+22	2,313220E+22	2,081432E+22	1,911057E+22	1,911043E+22	2,081382E+22	2,313138E+22
-2396	2,487981E+22	2,559041E+22	2,563532E+22	2,563570E+22	2,559123E+22	2,488076E+22	2,313239E+22	2,081462E+22	1,911083E+22	1,911061E+22	2,081402E+22	2,313170E+22
-2395	2,488058E+22	2,559168E+22	2,563617E+22	2,563600E+22	2,559123E+22	2,488049E+22	2,313189E+22	2,081412E+22	1,911060E+22	1,911087E+22	2,081486E+22	2,313257E+22
-2394	2,488041E+22	2,559054E+22	2,563505E+22	2,563519E+22	2,559085E+22	2,488049E+22	2,313201E+22	2,081406E+22	1,911025E+22	1,911010E+22	2,081370E+22	2,313150E+22
-2393	2,487985E+22	2,559038E+22	2,563524E+22	2,563553E+22	2,559113E+22	2,488072E+22	2,313223E+22	2,081421E+22	1,911023E+22	1,911012E+22	2,081405E+22	2,313240E+22
-2392	2,488134E+22	2,559169E+22	2,563579E+22	2,563561E+22	2,559089E+22	2,488026E+22	2,313162E+22	2,081354E+22	1,910971E+22	1,910989E+22	2,081395E+22	2,313193E+22
-2391	2,488035E+22	2,559072E+22	2,563498E+22	2,563500E+22	2,559066E+22	2,488038E+22	2,313189E+22	2,081370E+22	1,910950E+22	1,910924E+22	2,081307E+22	2,313114E+22
-2390	2,487995E+22	2,559113E+22	2,563596E+22	2,563583E+22	2,559108E+22	2,488038E+22	2,313170E+22	2,081363E+22	1,910969E+22	1,910970E+22	2,081385E+22	2,313232E+22
-2389	2,488092E+22	2,559118E+22	2,563563E+22	2,563563E+22	2,559104E+22	2,488039E+22	2,313153E+22	2,081317E+22	1,910921E+22	1,910932E+22	2,081327E+22	2,313128E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2388	2,487977E+22	2,559006E+22	2,563468E+22	2,563532E+22	2,559125E+22	2,488085E+22	2,313205E+22	2,081359E+22	1,910931E+22	1,910918E+22	2,081318E+22	2,313138E+22
-2387	2,488040E+22	2,559143E+22	2,563573E+22	2,563558E+22	2,559111E+22	2,488059E+22	2,313182E+22	2,081350E+22	1,910944E+22	1,910959E+22	2,081402E+22	2,313244E+22
-2386	2,488073E+22	2,559087E+22	2,563508E+22	2,563495E+22	2,559061E+22	2,488038E+22	2,313188E+22	2,081369E+22	1,910959E+22	1,910934E+22	2,081304E+22	2,313111E+22
-2385	2,487971E+22	2,559031E+22	2,563513E+22	2,563535E+22	2,559090E+22	2,488053E+22	2,313213E+22	2,081416E+22	1,911016E+22	1,910996E+22	2,081369E+22	2,313185E+22
-2384	2,488092E+22	2,559166E+22	2,563601E+22	2,563589E+22	2,559101E+22	2,488017E+22	2,313151E+22	2,081364E+22	1,911009E+22	1,911041E+22	2,081441E+22	2,313216E+22
-2383	2,488031E+22	2,559064E+22	2,563506E+22	2,563520E+22	2,559087E+22	2,488045E+22	2,313191E+22	2,081397E+22	1,911017E+22	1,911014E+22	2,081384E+22	2,313151E+22
-2382	2,487978E+22	2,559065E+22	2,563566E+22	2,563579E+22	2,559117E+22	2,488059E+22	2,313210E+22	2,081435E+22	1,911072E+22	1,911077E+22	2,081466E+22	2,313285E+22
-2381	2,488135E+22	2,559147E+22	2,563578E+22	2,563574E+22	2,559109E+22	2,488054E+22	2,313202E+22	2,081417E+22	1,911060E+22	1,911073E+22	2,081436E+22	2,313197E+22
-2380	2,488026E+22	2,559056E+22	2,563501E+22	2,563527E+22	2,559101E+22	2,488080E+22	2,313257E+22	2,081482E+22	1,911100E+22	1,911070E+22	2,081399E+22	2,313151E+22
-2379	2,488026E+22	2,559157E+22	2,563630E+22	2,563597E+22	2,559103E+22	2,488043E+22	2,313222E+22	2,081478E+22	1,911133E+22	1,911135E+22	2,081499E+22	2,313272E+22
-2378	2,488085E+22	2,559120E+22	2,563582E+22	2,563572E+22	2,559093E+22	2,488031E+22	2,313199E+22	2,081457E+22	1,911125E+22	1,911117E+22	2,081429E+22	2,313146E+22
-2377	2,487955E+22	2,559008E+22	2,563510E+22	2,563560E+22	2,559124E+22	2,488077E+22	2,313241E+22	2,081482E+22	1,911130E+22	1,911122E+22	2,081459E+22	2,313210E+22
-2376	2,488064E+22	2,559143E+22	2,563600E+22	2,563599E+22	2,559124E+22	2,488049E+22	2,313192E+22	2,081423E+22	1,911081E+22	1,911110E+22	2,081504E+22	2,313280E+22
-2375	2,488073E+22	2,559080E+22	2,563513E+22	2,563511E+22	2,559074E+22	2,488048E+22	2,313216E+22	2,081433E+22	1,911051E+22	1,911032E+22	2,081385E+22	2,313156E+22
-2374	2,487986E+22	2,559053E+22	2,563543E+22	2,563550E+22	2,559085E+22	2,488042E+22	2,313216E+22	2,081448E+22	1,911071E+22	1,911052E+22	2,081419E+22	2,313238E+22
-2373	2,488129E+22	2,559176E+22	2,563604E+22	2,563580E+22	2,559098E+22	2,488028E+22	2,313169E+22	2,081379E+22	1,911016E+22	1,911032E+22	2,081408E+22	2,313174E+22
-2372	2,488010E+22	2,559063E+22	2,563508E+22	2,563524E+22	2,559097E+22	2,488060E+22	2,313205E+22	2,081399E+22	1,911001E+22	1,910982E+22	2,081341E+22	2,313111E+22
-2371	2,487969E+22	2,559096E+22	2,563591E+22	2,563583E+22	2,559114E+22	2,488048E+22	2,313183E+22	2,081382E+22	1,911003E+22	1,911013E+22	2,081423E+22	2,313259E+22
-2370	2,488096E+22	2,559105E+22	2,563554E+22	2,563562E+22	2,559107E+22	2,488042E+22	2,313166E+22	2,081357E+22	1,910980E+22	1,910981E+22	2,081353E+22	2,313138E+22
-2369	2,487979E+22	2,558998E+22	2,563445E+22	2,563498E+22	2,559103E+22	2,488082E+22	2,313228E+22	2,081411E+22	1,910999E+22	1,910977E+22	2,081352E+22	2,313153E+22
-2368	2,488041E+22	2,559138E+22	2,563581E+22	2,563558E+22	2,559092E+22	2,488038E+22	2,313184E+22	2,081387E+22	1,911005E+22	1,911013E+22	2,081423E+22	2,313244E+22
-2367	2,488075E+22	2,559104E+22	2,563537E+22	2,563512E+22	2,559052E+22	2,488016E+22	2,313185E+22	2,081400E+22	1,911016E+22	1,911002E+22	2,081357E+22	2,313122E+22
-2366	2,487946E+22	2,559012E+22	2,563518E+22	2,563545E+22	2,559083E+22	2,488027E+22	2,313193E+22	2,081433E+22	1,911072E+22	1,911067E+22	2,081429E+22	2,313220E+22
-2365	2,488095E+22	2,559151E+22	2,563595E+22	2,563589E+22	2,559115E+22	2,488038E+22	2,313166E+22	2,081383E+22	1,911048E+22	1,911088E+22	2,081475E+22	2,313236E+22
-2364	2,488041E+22	2,559066E+22	2,563502E+22	2,563516E+22	2,559095E+22	2,488066E+22	2,313224E+22	2,081440E+22	1,911069E+22	1,911060E+22	2,081405E+22	2,313155E+22
-2363	2,487990E+22	2,559088E+22	2,563576E+22	2,563568E+22	2,559097E+22	2,488050E+22	2,313227E+22	2,081477E+22	1,911125E+22	1,911118E+22	2,081480E+22	2,313285E+22
-2362	2,488139E+22	2,559167E+22	2,563609E+22	2,563590E+22	2,559101E+22	2,488032E+22	2,313203E+22	2,081468E+22	1,911143E+22	1,911137E+22	2,081452E+22	2,313173E+22
-2361	2,487993E+22	2,559042E+22	2,563511E+22	2,563540E+22	2,559103E+22	2,488072E+22	2,313265E+22	2,081528E+22	1,911179E+22	1,911151E+22	2,081449E+22	2,313158E+22
-2360	2,487995E+22	2,559118E+22	2,563632E+22	2,563625E+22	2,559123E+22	2,488046E+22	2,313221E+22	2,081498E+22	1,911181E+22	1,911194E+22	2,081542E+22	2,313290E+22
-2359	2,488081E+22	2,559105E+22	2,563577E+22	2,563576E+22	2,559101E+22	2,488045E+22	2,313218E+22	2,081480E+22	1,911156E+22	1,911165E+22	2,081483E+22	2,313179E+22
-2358	2,487955E+22	2,558988E+22	2,563490E+22	2,563540E+22	2,559104E+22	2,488066E+22	2,313249E+22	2,081510E+22	1,911170E+22	1,911163E+22	2,081495E+22	2,313245E+22
-2357	2,488096E+22	2,559156E+22	2,563592E+22	2,563572E+22	2,559108E+22	2,488056E+22	2,313212E+22	2,081453E+22	1,911120E+22	1,911141E+22	2,081509E+22	2,313272E+22
-2356	2,488081E+22	2,559104E+22	2,563536E+22	2,563512E+22	2,559063E+22	2,488044E+22	2,313230E+22	2,081471E+22	1,911107E+22	1,911082E+22	2,081399E+22	2,313138E+22
-2355	2,487975E+22	2,559067E+22	2,563572E+22	2,563568E+22	2,559076E+22	2,488016E+22	2,313202E+22	2,081463E+22	1,911112E+22	1,911101E+22	2,081449E+22	2,313241E+22
-2354	2,488115E+22	2,559162E+22	2,563612E+22	2,563605E+22	2,559115E+22	2,488019E+22	2,313153E+22	2,081395E+22	1,911065E+22	1,911082E+22	2,081437E+22	2,313175E+22
-2353	2,487986E+22	2,559028E+22	2,563487E+22	2,563517E+22	2,559107E+22	2,488078E+22	2,313225E+22	2,081426E+22	1,911042E+22	1,911030E+22	2,081384E+22	2,313140E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2352	2,487969E+22	2,559064E+22	2,563574E+22	2,563577E+22	2,559108E+22	2,488053E+22	2,313201E+22	2,081411E+22	1,911034E+22	1,911039E+22	2,081435E+22	2,313265E+22
-2351	2,488112E+22	2,559120E+22	2,563558E+22	2,563545E+22	2,559085E+22	2,488038E+22	2,313189E+22	2,081398E+22	1,911024E+22	1,911023E+22	2,081380E+22	2,313139E+22
-2350	2,487969E+22	2,559001E+22	2,563460E+22	2,563490E+22	2,559067E+22	2,488045E+22	2,313221E+22	2,081449E+22	1,911068E+22	1,911044E+22	2,081388E+22	2,313161E+22
-2349	2,488042E+22	2,559140E+22	2,563592E+22	2,563563E+22	2,559090E+22	2,488033E+22	2,313183E+22	2,081413E+22	1,911063E+22	1,911078E+22	2,081458E+22	2,313241E+22
-2348	2,488064E+22	2,559101E+22	2,563550E+22	2,563532E+22	2,559071E+22	2,488027E+22	2,313193E+22	2,081428E+22	1,911074E+22	1,911071E+22	2,081404E+22	2,313136E+22
-2347	2,487945E+22	2,559009E+22	2,563526E+22	2,563553E+22	2,559084E+22	2,488026E+22	2,313199E+22	2,081453E+22	1,911110E+22	1,911114E+22	2,081469E+22	2,313250E+22
-2346	2,488111E+22	2,559153E+22	2,563601E+22	2,563599E+22	2,559121E+22	2,488037E+22	2,313180E+22	2,081430E+22	1,911111E+22	1,911135E+22	2,081495E+22	2,313235E+22
-2345	2,488040E+22	2,559068E+22	2,563504E+22	2,563508E+22	2,559089E+22	2,488076E+22	2,313257E+22	2,081500E+22	1,911144E+22	1,911125E+22	2,081437E+22	2,313156E+22
-2344	2,487974E+22	2,559076E+22	2,563597E+22	2,563586E+22	2,559091E+22	2,488042E+22	2,313242E+22	2,081523E+22	1,911194E+22	1,911181E+22	2,081504E+22	2,313269E+22
-2343	2,488120E+22	2,559165E+22	2,563632E+22	2,563613E+22	2,559107E+22	2,488028E+22	2,313211E+22	2,081505E+22	1,911205E+22	1,911215E+22	2,081514E+22	2,313183E+22
-2342	2,487961E+22	2,559005E+22	2,563498E+22	2,563538E+22	2,559097E+22	2,488058E+22	2,313257E+22	2,081551E+22	1,911238E+22	1,911225E+22	2,081515E+22	2,313200E+22
-2341	2,488004E+22	2,559093E+22	2,563600E+22	2,563601E+22	2,559124E+22	2,488066E+22	2,313239E+22	2,081518E+22	1,911217E+22	1,911237E+22	2,081578E+22	2,313315E+22
-2340	2,488105E+22	2,559112E+22	2,563568E+22	2,563559E+22	2,559090E+22	2,488050E+22	2,313241E+22	2,081516E+22	1,911198E+22	1,911201E+22	2,081503E+22	2,313191E+22
-2339	2,487981E+22	2,559016E+22	2,563503E+22	2,563526E+22	2,559069E+22	2,488037E+22	2,313246E+22	2,081532E+22	1,911204E+22	1,911190E+22	2,081505E+22	2,313247E+22
-2338	2,488109E+22	2,559184E+22	2,563632E+22	2,563596E+22	2,559098E+22	2,488024E+22	2,313199E+22	2,081483E+22	1,911176E+22	1,911183E+22	2,081517E+22	2,313248E+22
-2337	2,488055E+22	2,559099E+22	2,563555E+22	2,563535E+22	2,559074E+22	2,488043E+22	2,313231E+22	2,081494E+22	1,911154E+22	1,911136E+22	2,081433E+22	2,313134E+22
-2336	2,487941E+22	2,559031E+22	2,563578E+22	2,563597E+22	2,559101E+22	2,488031E+22	2,313208E+22	2,081475E+22	1,911139E+22	1,911134E+22	2,081471E+22	2,313240E+22
-2335	2,488104E+22	2,559147E+22	2,563611E+22	2,563615E+22	2,559131E+22	2,488042E+22	2,313182E+22	2,081422E+22	1,911092E+22	1,911119E+22	2,081475E+22	2,313191E+22
-2334	2,487977E+22	2,559000E+22	2,563459E+22	2,563492E+22	2,559085E+22	2,488071E+22	2,313244E+22	2,081469E+22	1,911095E+22	1,911076E+22	2,081416E+22	2,313163E+22
-2333	2,487988E+22	2,559063E+22	2,563552E+22	2,563542E+22	2,559087E+22	2,488060E+22	2,313226E+22	2,081456E+22	1,911093E+22	1,911087E+22	2,081453E+22	2,313255E+22
-2332	2,488111E+22	2,559134E+22	2,563576E+22	2,563543E+22	2,559061E+22	2,488019E+22	2,313200E+22	2,081446E+22	1,911097E+22	1,911094E+22	2,081416E+22	2,313135E+22
-2331	2,487961E+22	2,559004E+22	2,563480E+22	2,563504E+22	2,559050E+22	2,488007E+22	2,313196E+22	2,081462E+22	1,911119E+22	1,911111E+22	2,081441E+22	2,313183E+22
-2330	2,488042E+22	2,559136E+22	2,563606E+22	2,563587E+22	2,559100E+22	2,488014E+22	2,313163E+22	2,081429E+22	1,911116E+22	1,911139E+22	2,081503E+22	2,313258E+22
-2329	2,488059E+22	2,559085E+22	2,563542E+22	2,563535E+22	2,559082E+22	2,488044E+22	2,313211E+22	2,081455E+22	1,911118E+22	1,911124E+22	2,081450E+22	2,313165E+22
-2328	2,487952E+22	2,559000E+22	2,563531E+22	2,563563E+22	2,559088E+22	2,488036E+22	2,313223E+22	2,081489E+22	1,911151E+22	1,911145E+22	2,081479E+22	2,313248E+22
-2327	2,488122E+22	2,559176E+22	2,563624E+22	2,563608E+22	2,559118E+22	2,488043E+22	2,313211E+22	2,081481E+22	1,911168E+22	1,911187E+22	2,081522E+22	2,313225E+22
-2326	2,488016E+22	2,559059E+22	2,563519E+22	2,563518E+22	2,559073E+22	2,488058E+22	2,313269E+22	2,081554E+22	1,911226E+22	1,911202E+22	2,081481E+22	2,313162E+22
-2325	2,487963E+22	2,559057E+22	2,563588E+22	2,563590E+22	2,559103E+22	2,488057E+22	2,313257E+22	2,081561E+22	1,911261E+22	1,911255E+22	2,081550E+22	2,313268E+22
-2324	2,488097E+22	2,559147E+22	2,563627E+22	2,563618E+22	2,559118E+22	2,488043E+22	2,313233E+22	2,081543E+22	1,911266E+22	1,911285E+22	2,081569E+22	2,313211E+22
-2323	2,487969E+22	2,558996E+22	2,563487E+22	2,563527E+22	2,559080E+22	2,488046E+22	2,313260E+22	2,081572E+22	1,911276E+22	1,911272E+22	2,081560E+22	2,313241E+22
-2322	2,488038E+22	2,559106E+22	2,563595E+22	2,563589E+22	2,559102E+22	2,488040E+22	2,313238E+22	2,081555E+22	1,911269E+22	1,911273E+22	2,081591E+22	2,313317E+22
-2321	2,488115E+22	2,559130E+22	2,563576E+22	2,563549E+22	2,559071E+22	2,488040E+22	2,313254E+22	2,081555E+22	1,911252E+22	1,911247E+22	2,081525E+22	2,313190E+22
-2320	2,487972E+22	2,559024E+22	2,563542E+22	2,563556E+22	2,559060E+22	2,488014E+22	2,313240E+22	2,081554E+22	1,911244E+22	1,911225E+22	2,081513E+22	2,313225E+22
-2319	2,488086E+22	2,559185E+22	2,563660E+22	2,563632E+22	2,559115E+22	2,488022E+22	2,313198E+22	2,081497E+22	1,911208E+22	1,911232E+22	2,081558E+22	2,313245E+22
-2318	2,488015E+22	2,559060E+22	2,563543E+22	2,563545E+22	2,559084E+22	2,488045E+22	2,313233E+22	2,081511E+22	1,911194E+22	1,911186E+22	2,081478E+22	2,313163E+22
-2317	2,487944E+22	2,559001E+22	2,563536E+22	2,563572E+22	2,559110E+22	2,488063E+22	2,313236E+22	2,081500E+22	1,911172E+22	1,911167E+22	2,081492E+22	2,313244E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2316	2,488106E+22	2,559145E+22	2,563595E+22	2,563595E+22	2,559118E+22	2,488050E+22	2,313214E+22	2,081470E+22	1,911144E+22	1,911158E+22	2,081492E+22	2,313196E+22
-2315	2,487992E+22	2,559017E+22	2,563463E+22	2,563474E+22	2,559044E+22	2,488035E+22	2,313239E+22	2,081501E+22	1,911148E+22	1,911123E+22	2,081441E+22	2,313170E+22
-2314	2,487997E+22	2,559081E+22	2,563576E+22	2,563556E+22	2,559064E+22	2,488014E+22	2,313210E+22	2,081493E+22	1,911162E+22	1,911149E+22	2,081482E+22	2,313247E+22
-2313	2,488091E+22	2,559129E+22	2,563588E+22	2,563563E+22	2,559070E+22	2,488014E+22	2,313197E+22	2,081470E+22	1,911152E+22	1,911163E+22	2,081474E+22	2,313155E+22
-2312	2,487942E+22	2,558985E+22	2,563496E+22	2,563535E+22	2,559068E+22	2,488014E+22	2,313199E+22	2,081473E+22	1,911149E+22	1,911151E+22	2,081475E+22	2,313200E+22
-2311	2,488047E+22	2,559137E+22	2,563616E+22	2,563608E+22	2,559120E+22	2,488037E+22	2,313190E+22	2,081456E+22	1,911147E+22	1,911181E+22	2,081545E+22	2,313276E+22
-2310	2,488058E+22	2,559075E+22	2,563532E+22	2,563529E+22	2,559076E+22	2,488048E+22	2,313238E+22	2,081507E+22	1,911182E+22	1,911176E+22	2,081479E+22	2,313180E+22
-2309	2,487968E+22	2,559006E+22	2,563519E+22	2,563544E+22	2,559084E+22	2,488057E+22	2,313260E+22	2,081550E+22	1,911227E+22	1,911205E+22	2,081497E+22	2,313225E+22
-2308	2,488101E+22	2,559183E+22	2,563646E+22	2,563622E+22	2,559111E+22	2,488038E+22	2,313236E+22	2,081547E+22	1,911258E+22	1,911268E+22	2,081562E+22	2,313224E+22
-2307	2,487998E+22	2,559042E+22	2,563519E+22	2,563525E+22	2,559059E+22	2,488027E+22	2,313256E+22	2,081584E+22	1,911294E+22	1,911281E+22	2,081544E+22	2,313192E+22
-2306	2,487961E+22	2,559041E+22	2,563577E+22	2,563592E+22	2,559097E+22	2,488036E+22	2,313250E+22	2,081592E+22	1,911321E+22	1,911320E+22	2,081602E+22	2,313295E+22
-2305	2,488099E+22	2,559135E+22	2,563607E+22	2,563600E+22	2,559105E+22	2,488044E+22	2,313247E+22	2,081571E+22	1,911309E+22	1,911334E+22	2,081614E+22	2,313244E+22
-2304	2,487982E+22	2,559004E+22	2,563497E+22	2,563523E+22	2,559060E+22	2,488031E+22	2,313263E+22	2,081594E+22	1,911305E+22	1,911292E+22	2,081565E+22	2,313240E+22
-2303	2,488054E+22	2,559145E+22	2,563634E+22	2,563607E+22	2,559093E+22	2,488026E+22	2,313241E+22	2,081579E+22	1,911306E+22	1,911312E+22	2,081609E+22	2,313303E+22
-2302	2,488092E+22	2,559128E+22	2,563598E+22	2,563574E+22	2,559068E+22	2,488019E+22	2,313246E+22	2,081583E+22	1,911307E+22	1,911299E+22	2,081551E+22	2,313188E+22
-2301	2,487956E+22	2,559008E+22	2,563534E+22	2,563572E+22	2,559094E+22	2,488042E+22	2,313252E+22	2,081576E+22	1,911286E+22	1,911271E+22	2,081538E+22	2,313211E+22
-2300	2,488051E+22	2,559163E+22	2,563657E+22	2,563646E+22	2,559138E+22	2,488050E+22	2,313229E+22	2,081533E+22	1,911252E+22	1,911274E+22	2,081588E+22	2,313259E+22
-2299	2,488010E+22	2,559036E+22	2,563519E+22	2,563532E+22	2,559073E+22	2,488042E+22	2,313248E+22	2,081541E+22	1,911232E+22	1,911223E+22	2,081510E+22	2,313191E+22
-2298	2,487964E+22	2,559003E+22	2,563514E+22	2,563549E+22	2,559084E+22	2,488042E+22	2,313249E+22	2,081549E+22	1,911230E+22	1,911209E+22	2,081510E+22	2,313243E+22
-2297	2,488103E+22	2,559152E+22	2,563591E+22	2,563574E+22	2,559089E+22	2,488036E+22	2,313227E+22	2,081514E+22	1,911208E+22	1,911218E+22	2,081528E+22	2,313203E+22
-2296	2,487979E+22	2,559022E+22	2,563494E+22	2,563494E+22	2,559026E+22	2,488000E+22	2,313223E+22	2,081521E+22	1,911195E+22	1,911174E+22	2,081472E+22	2,313172E+22
-2295	2,487989E+22	2,559090E+22	2,563601E+22	2,563588E+22	2,559077E+22	2,488000E+22	2,313193E+22	2,081497E+22	1,911198E+22	1,911209E+22	2,081538E+22	2,313265E+22
-2294	2,488072E+22	2,559105E+22	2,563579E+22	2,563574E+22	2,559079E+22	2,488014E+22	2,313197E+22	2,081487E+22	1,911193E+22	1,911214E+22	2,081522E+22	2,313197E+22
-2293	2,487964E+22	2,558979E+22	2,563470E+22	2,563524E+22	2,559085E+22	2,488048E+22	2,313231E+22	2,081507E+22	1,911187E+22	1,911183E+22	2,081492E+22	2,313200E+22
-2292	2,488049E+22	2,559150E+22	2,563623E+22	2,563606E+22	2,559117E+22	2,488052E+22	2,313234E+22	2,081520E+22	1,911213E+22	1,911222E+22	2,081553E+22	2,313273E+22
-2291	2,488062E+22	2,559090E+22	2,563549E+22	2,563531E+22	2,559053E+22	2,488025E+22	2,313247E+22	2,081559E+22	1,911257E+22	1,911240E+22	2,081508E+22	2,313179E+22
-2290	2,487963E+22	2,559014E+22	2,563532E+22	2,563558E+22	2,559070E+22	2,488024E+22	2,313260E+22	2,081605E+22	1,911314E+22	1,911284E+22	2,081536E+22	2,313214E+22
-2289	2,488062E+22	2,559159E+22	2,563642E+22	2,563633E+22	2,559120E+22	2,488039E+22	2,313244E+22	2,081585E+22	1,911331E+22	1,911352E+22	2,081629E+22	2,313250E+22
-2288	2,487977E+22	2,559021E+22	2,563526E+22	2,563539E+22	2,559060E+22	2,488021E+22	2,313257E+22	2,081604E+22	1,911337E+22	1,911333E+22	2,081589E+22	2,313221E+22
-2287	2,487973E+22	2,559044E+22	2,563579E+22	2,563596E+22	2,559096E+22	2,488034E+22	2,313260E+22	2,081613E+22	1,911358E+22	1,911368E+22	2,081647E+22	2,313319E+22
-2286	2,488106E+22	2,559135E+22	2,563599E+22	2,563588E+22	2,559089E+22	2,488033E+22	2,313258E+22	2,081610E+22	1,911364E+22	1,911381E+22	2,081642E+22	2,313264E+22
-2285	2,488003E+22	2,559025E+22	2,563500E+22	2,563517E+22	2,559058E+22	2,488038E+22	2,313278E+22	2,081630E+22	1,911358E+22	1,911336E+22	2,081573E+22	2,313216E+22
-2284	2,488030E+22	2,559155E+22	2,563667E+22	2,563637E+22	2,559102E+22	2,488024E+22	2,313253E+22	2,081618E+22	1,911366E+22	1,911364E+22	2,081631E+22	2,313299E+22
-2283	2,488072E+22	2,559108E+22	2,563600E+22	2,563593E+22	2,559079E+22	2,488007E+22	2,313233E+22	2,081596E+22	1,911350E+22	1,911353E+22	2,081593E+22	2,313208E+22
-2282	2,487951E+22	2,558989E+22	2,563512E+22	2,563569E+22	2,559096E+22	2,488039E+22	2,313261E+22	2,081606E+22	1,911329E+22	1,911313E+22	2,081569E+22	2,313223E+22
-2281	2,488038E+22	2,559139E+22	2,563626E+22	2,563624E+22	2,559133E+22	2,488063E+22	2,313257E+22	2,081571E+22	1,911295E+22	1,911313E+22	2,081618E+22	2,313280E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2280	2,488012E+22	2,559040E+22	2,563522E+22	2,563516E+22	2,559044E+22	2,488024E+22	2,313256E+22	2,081573E+22	1,911270E+22	1,911248E+22	2,081517E+22	2,313192E+22
-2279	2,487974E+22	2,559033E+22	2,563542E+22	2,563554E+22	2,559064E+22	2,488018E+22	2,313245E+22	2,081571E+22	1,911276E+22	1,911262E+22	2,081540E+22	2,313241E+22
-2278	2,488083E+22	2,559148E+22	2,563604E+22	2,563586E+22	2,559080E+22	2,488009E+22	2,313213E+22	2,081537E+22	1,911264E+22	1,911281E+22	2,081571E+22	2,313221E+22
-2277	2,487976E+22	2,559016E+22	2,563486E+22	2,563505E+22	2,559056E+22	2,488020E+22	2,313225E+22	2,081534E+22	1,911235E+22	1,911223E+22	2,081504E+22	2,313175E+22
-2276	2,487974E+22	2,559087E+22	2,563614E+22	2,563610E+22	2,559101E+22	2,488024E+22	2,313218E+22	2,081530E+22	1,911241E+22	1,911247E+22	2,081565E+22	2,313291E+22
-2275	2,488084E+22	2,559096E+22	2,563567E+22	2,563571E+22	2,559076E+22	2,488011E+22	2,313210E+22	2,081521E+22	1,911239E+22	1,911254E+22	2,081546E+22	2,313217E+22
-2274	2,487984E+22	2,558995E+22	2,563467E+22	2,563513E+22	2,559067E+22	2,488036E+22	2,313257E+22	2,081573E+22	1,911261E+22	1,911236E+22	2,081507E+22	2,313186E+22
-2273	2,488026E+22	2,559151E+22	2,563633E+22	2,563602E+22	2,559100E+22	2,488045E+22	2,313258E+22	2,081582E+22	1,911299E+22	1,911299E+22	2,081591E+22	2,313265E+22
-2272	2,488025E+22	2,559080E+22	2,563574E+22	2,563550E+22	2,559043E+22	2,487998E+22	2,313240E+22	2,081594E+22	1,911327E+22	1,911314E+22	2,081554E+22	2,313185E+22
-2271	2,487943E+22	2,559004E+22	2,563541E+22	2,563577E+22	2,559082E+22	2,488016E+22	2,313248E+22	2,081617E+22	1,911369E+22	1,911367E+22	2,081609E+22	2,313245E+22
-2270	2,488046E+22	2,559124E+22	2,563615E+22	2,563621E+22	2,559116E+22	2,488035E+22	2,313246E+22	2,081608E+22	1,911382E+22	1,911415E+22	2,081688E+22	2,313302E+22
-2269	2,488009E+22	2,559020E+22	2,563497E+22	2,563517E+22	2,559064E+22	2,488036E+22	2,313274E+22	2,081632E+22	1,911377E+22	1,911370E+22	2,081609E+22	2,313232E+22
-2268	2,487990E+22	2,559073E+22	2,563600E+22	2,563598E+22	2,559086E+22	2,488030E+22	2,313281E+22	2,081660E+22	1,911412E+22	1,911402E+22	2,081653E+22	2,313323E+22
-2267	2,488116E+22	2,559153E+22	2,563625E+22	2,563600E+22	2,559072E+22	2,488004E+22	2,313251E+22	2,081641E+22	1,911420E+22	1,911430E+22	2,081661E+22	2,313261E+22
-2266	2,487999E+22	2,559037E+22	2,563524E+22	2,563542E+22	2,559061E+22	2,488021E+22	2,313281E+22	2,081670E+22	1,911418E+22	1,911392E+22	2,081598E+22	2,313199E+22
-2265	2,487986E+22	2,559128E+22	2,563666E+22	2,563653E+22	2,559127E+22	2,488046E+22	2,313274E+22	2,081650E+22	1,911417E+22	1,911421E+22	2,081672E+22	2,313308E+22
-2264	2,488043E+22	2,559084E+22	2,563600E+22	2,563600E+22	2,559087E+22	2,488018E+22	2,313248E+22	2,081618E+22	1,911382E+22	1,911387E+22	2,081619E+22	2,313226E+22
-2263	2,487959E+22	2,558986E+22	2,563501E+22	2,563558E+22	2,559093E+22	2,488043E+22	2,313275E+22	2,081630E+22	1,911367E+22	1,911357E+22	2,081600E+22	2,313237E+22
-2262	2,488036E+22	2,559128E+22	2,563605E+22	2,563593E+22	2,559105E+22	2,488050E+22	2,313270E+22	2,081614E+22	1,911354E+22	1,911363E+22	2,081644E+22	2,313298E+22
-2261	2,488030E+22	2,559054E+22	2,563520E+22	2,563503E+22	2,559031E+22	2,488012E+22	2,313259E+22	2,081606E+22	1,911326E+22	1,911301E+22	2,081537E+22	2,313179E+22
-2260	2,487955E+22	2,559039E+22	2,563573E+22	2,563579E+22	2,559063E+22	2,487998E+22	2,313238E+22	2,081599E+22	1,911330E+22	1,911315E+22	2,081574E+22	2,313256E+22
-2259	2,488075E+22	2,559133E+22	2,563608E+22	2,563601E+22	2,559084E+22	2,487991E+22	2,313192E+22	2,081541E+22	1,911302E+22	1,911334E+22	2,081617E+22	2,313253E+22
-2258	2,487990E+22	2,559016E+22	2,563481E+22	2,563503E+22	2,559054E+22	2,488017E+22	2,313234E+22	2,081559E+22	1,911270E+22	1,911260E+22	2,081528E+22	2,313183E+22
-2257	2,487966E+22	2,559076E+22	2,563602E+22	2,563600E+22	2,559104E+22	2,488042E+22	2,313250E+22	2,081573E+22	1,911289E+22	1,911287E+22	2,081583E+22	2,313293E+22
-2256	2,488079E+22	2,559109E+22	2,563591E+22	2,563574E+22	2,559064E+22	2,488002E+22	2,313223E+22	2,081562E+22	1,911294E+22	1,911293E+22	2,081555E+22	2,313207E+22
-2255	2,487978E+22	2,559012E+22	2,563496E+22	2,563529E+22	2,559062E+22	2,488021E+22	2,313259E+22	2,081608E+22	1,911332E+22	1,911313E+22	2,081547E+22	2,313178E+22
-2254	2,487987E+22	2,559120E+22	2,563630E+22	2,563613E+22	2,559104E+22	2,488036E+22	2,313261E+22	2,081623E+22	1,911377E+22	1,911386E+22	2,081651E+22	2,313289E+22
-2253	2,488017E+22	2,559057E+22	2,563553E+22	2,563551E+22	2,559065E+22	2,488016E+22	2,313252E+22	2,081622E+22	1,911384E+22	1,911384E+22	2,081606E+22	2,313204E+22
-2252	2,487934E+22	2,558995E+22	2,563543E+22	2,563582E+22	2,559088E+22	2,488028E+22	2,313273E+22	2,081657E+22	1,911421E+22	1,911416E+22	2,081650E+22	2,313289E+22
-2251	2,488072E+22	2,559121E+22	2,563603E+22	2,563605E+22	2,559099E+22	2,488021E+22	2,313251E+22	2,081641E+22	1,911433E+22	1,911464E+22	2,081720E+22	2,313331E+22
-2250	2,488046E+22	2,559054E+22	2,563508E+22	2,563504E+22	2,559036E+22	2,488017E+22	2,313290E+22	2,081685E+22	1,911441E+22	1,911419E+22	2,081622E+22	2,313219E+22
-2249	2,487977E+22	2,559086E+22	2,563628E+22	2,563613E+22	2,559081E+22	2,488024E+22	2,313296E+22	2,081706E+22	1,911481E+22	1,911465E+22	2,081680E+22	2,313309E+22
-2248	2,488084E+22	2,559151E+22	2,563660E+22	2,563634E+22	2,559081E+22	2,487989E+22	2,313242E+22	2,081663E+22	1,911470E+22	1,911484E+22	2,081692E+22	2,313259E+22
-2247	2,487978E+22	2,559024E+22	2,563534E+22	2,563565E+22	2,559085E+22	2,488031E+22	2,313279E+22	2,081678E+22	1,911459E+22	1,911455E+22	2,081649E+22	2,313216E+22
-2246	2,487961E+22	2,559082E+22	2,563633E+22	2,563636E+22	2,559127E+22	2,488059E+22	2,313295E+22	2,081680E+22	1,911459E+22	1,911469E+22	2,081711E+22	2,313339E+22
-2245	2,488060E+22	2,559072E+22	2,563564E+22	2,563570E+22	2,559084E+22	2,488033E+22	2,313274E+22	2,081653E+22	1,911422E+22	1,911420E+22	2,081632E+22	2,313226E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2244	2,487965E+22	2,559007E+22	2,563519E+22	2,563549E+22	2,559071E+22	2,488031E+22	2,313291E+22	2,081675E+22	1,911421E+22	1,911393E+22	2,081611E+22	2,313246E+22
-2243	2,488045E+22	2,559133E+22	2,563616E+22	2,563589E+22	2,559074E+22	2,488007E+22	2,313248E+22	2,081634E+22	1,911406E+22	1,911417E+22	2,081672E+22	2,313304E+22
-2242	2,488034E+22	2,559063E+22	2,563539E+22	2,563517E+22	2,559023E+22	2,487987E+22	2,313249E+22	2,081628E+22	1,911372E+22	1,911354E+22	2,081569E+22	2,313176E+22
-2241	2,487929E+22	2,559022E+22	2,563582E+22	2,563599E+22	2,559083E+22	2,488012E+22	2,313246E+22	2,081614E+22	1,911366E+22	1,911363E+22	2,081613E+22	2,313269E+22
-2240	2,488060E+22	2,559120E+22	2,563618E+22	2,563612E+22	2,559093E+22	2,487998E+22	2,313201E+22	2,081556E+22	1,911325E+22	1,911360E+22	2,081637E+22	2,313268E+22
-2239	2,488003E+22	2,559024E+22	2,563486E+22	2,563506E+22	2,559063E+22	2,488030E+22	2,313251E+22	2,081585E+22	1,911314E+22	1,911308E+22	2,081553E+22	2,313185E+22
-2238	2,487955E+22	2,559062E+22	2,563591E+22	2,563581E+22	2,559088E+22	2,488044E+22	2,313277E+22	2,081628E+22	1,911362E+22	1,911349E+22	2,081608E+22	2,313292E+22
-2237	2,488075E+22	2,559107E+22	2,563589E+22	2,563573E+22	2,559064E+22	2,488001E+22	2,313239E+22	2,081611E+22	1,911368E+22	1,911365E+22	2,081587E+22	2,313194E+22
-2236	2,487949E+22	2,559003E+22	2,563516E+22	2,563549E+22	2,559065E+22	2,488011E+22	2,313264E+22	2,081651E+22	1,911406E+22	1,911386E+22	2,081601E+22	2,313209E+22
-2235	2,487982E+22	2,559086E+22	2,563610E+22	2,563606E+22	2,559096E+22	2,488019E+22	2,313250E+22	2,081642E+22	1,911433E+22	1,911458E+22	2,081714E+22	2,313336E+22
-2234	2,488045E+22	2,559058E+22	2,563541E+22	2,563533E+22	2,559043E+22	2,488007E+22	2,313268E+22	2,081659E+22	1,911432E+22	1,911436E+22	2,081646E+22	2,313226E+22
-2233	2,487946E+22	2,559003E+22	2,563546E+22	2,563572E+22	2,559075E+22	2,488029E+22	2,313296E+22	2,081700E+22	1,911475E+22	1,911463E+22	2,081675E+22	2,313294E+22
-2232	2,488079E+22	2,559154E+22	2,563645E+22	2,563614E+22	2,559080E+22	2,488000E+22	2,313253E+22	2,081675E+22	1,911486E+22	1,911506E+22	2,081730E+22	2,313321E+22
-2231	2,488046E+22	2,559082E+22	2,563558E+22	2,563541E+22	2,559044E+22	2,488006E+22	2,313283E+22	2,081707E+22	1,911502E+22	1,911489E+22	2,081654E+22	2,313202E+22
-2230	2,487937E+22	2,559056E+22	2,563632E+22	2,563636E+22	2,559103E+22	2,488034E+22	2,313306E+22	2,081742E+22	1,911546E+22	1,911535E+22	2,081724E+22	2,313317E+22
-2229	2,488069E+22	2,559124E+22	2,563643E+22	2,563646E+22	2,559116E+22	2,488021E+22	2,313266E+22	2,081693E+22	1,911516E+22	1,911536E+22	2,081729E+22	2,313267E+22
-2228	2,487961E+22	2,559002E+22	2,563527E+22	2,563566E+22	2,559091E+22	2,488048E+22	2,313313E+22	2,081723E+22	1,911506E+22	1,911491E+22	2,081680E+22	2,313249E+22
-2227	2,487975E+22	2,559059E+22	2,563602E+22	2,563605E+22	2,559100E+22	2,488046E+22	2,313305E+22	2,081717E+22	1,911511E+22	1,911515E+22	2,081740E+22	2,313359E+22
-2226	2,488088E+22	2,559095E+22	2,563566E+22	2,563540E+22	2,559034E+22	2,488003E+22	2,313285E+22	2,081697E+22	1,911477E+22	1,911468E+22	2,081652E+22	2,313213E+22
-2225	2,487949E+22	2,559010E+22	2,563538E+22	2,563554E+22	2,559051E+22	2,488008E+22	2,313287E+22	2,081702E+22	1,911475E+22	1,911452E+22	2,081645E+22	2,313240E+22
-2224	2,488025E+22	2,559134E+22	2,563646E+22	2,563615E+22	2,559075E+22	2,487980E+22	2,313218E+22	2,081632E+22	1,911436E+22	1,911462E+22	2,081708E+22	2,313317E+22
-2223	2,488033E+22	2,559061E+22	2,563551E+22	2,563539E+22	2,559043E+22	2,487991E+22	2,313232E+22	2,081616E+22	1,911394E+22	1,911401E+22	2,081610E+22	2,313195E+22
-2222	2,487921E+22	2,558992E+22	2,563559E+22	2,563590E+22	2,559090E+22	2,488031E+22	2,313270E+22	2,081641E+22	1,911397E+22	1,911395E+22	2,081636E+22	2,313287E+22
-2221	2,488079E+22	2,559120E+22	2,563601E+22	2,563602E+22	2,559100E+22	2,488017E+22	2,313233E+22	2,081598E+22	1,911367E+22	1,911387E+22	2,081638E+22	2,313252E+22
-2220	2,487996E+22	2,559039E+22	2,563514E+22	2,563514E+22	2,559052E+22	2,488030E+22	2,313281E+22	2,081644E+22	1,911381E+22	1,911352E+22	2,081569E+22	2,313185E+22
-2219	2,487945E+22	2,559044E+22	2,563593E+22	2,563584E+22	2,559071E+22	2,488019E+22	2,313275E+22	2,081669E+22	1,911437E+22	1,911427E+22	2,081653E+22	2,313296E+22
-2218	2,488067E+22	2,559101E+22	2,563593E+22	2,563574E+22	2,559052E+22	2,487990E+22	2,313249E+22	2,081652E+22	1,911436E+22	1,911443E+22	2,081642E+22	2,313202E+22
-2217	2,487927E+22	2,558980E+22	2,563514E+22	2,563555E+22	2,559072E+22	2,488021E+22	2,313280E+22	2,081685E+22	1,911465E+22	1,911457E+22	2,081659E+22	2,313236E+22
-2216	2,487987E+22	2,559086E+22	2,563615E+22	2,563604E+22	2,559085E+22	2,488009E+22	2,313254E+22	2,081668E+22	1,911476E+22	1,911504E+22	2,081750E+22	2,313363E+22
-2215	2,488075E+22	2,559083E+22	2,563558E+22	2,563538E+22	2,559039E+22	2,488001E+22	2,313270E+22	2,081686E+22	1,911488E+22	1,911495E+22	2,081678E+22	2,313232E+22
-2214	2,487947E+22	2,559009E+22	2,563558E+22	2,563570E+22	2,559062E+22	2,488024E+22	2,313315E+22	2,081750E+22	1,911545E+22	1,911526E+22	2,081704E+22	2,313290E+22
-2213	2,488071E+22	2,559155E+22	2,563661E+22	2,563640E+22	2,559095E+22	2,488000E+22	2,313265E+22	2,081715E+22	1,911551E+22	1,911570E+22	2,081760E+22	2,313304E+22
-2212	2,488011E+22	2,559071E+22	2,563586E+22	2,563580E+22	2,559070E+22	2,488016E+22	2,313296E+22	2,081744E+22	1,911563E+22	1,911549E+22	2,081702E+22	2,313229E+22
-2211	2,487924E+22	2,559010E+22	2,563600E+22	2,563627E+22	2,559104E+22	2,488035E+22	2,313310E+22	2,081763E+22	1,911594E+22	1,911595E+22	2,081773E+22	2,313344E+22
-2210	2,488081E+22	2,559112E+22	2,563615E+22	2,563614E+22	2,559090E+22	2,488022E+22	2,313296E+22	2,081734E+22	1,911558E+22	1,911576E+22	2,081757E+22	2,313279E+22
-2209	2,487965E+22	2,559002E+22	2,563519E+22	2,563545E+22	2,559066E+22	2,488040E+22	2,313333E+22	2,081766E+22	1,911557E+22	1,911533E+22	2,081701E+22	2,313249E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2208	2,487980E+22	2,559082E+22	2,563623E+22	2,563597E+22	2,559061E+22	2,488006E+22	2,313292E+22	2,081739E+22	1,911554E+22	1,911553E+22	2,081756E+22	2,313355E+22
-2207	2,488093E+22	2,559116E+22	2,563601E+22	2,563567E+22	2,559032E+22	2,487976E+22	2,313258E+22	2,081699E+22	1,911521E+22	1,911528E+22	2,081688E+22	2,313210E+22
-2206	2,487925E+22	2,558990E+22	2,563540E+22	2,563570E+22	2,559065E+22	2,488010E+22	2,313285E+22	2,081714E+22	1,911510E+22	1,911500E+22	2,081684E+22	2,313254E+22
-2205	2,488020E+22	2,559117E+22	2,563637E+22	2,563632E+22	2,559106E+22	2,488005E+22	2,313234E+22	2,081646E+22	1,911458E+22	1,911490E+22	2,081730E+22	2,313322E+22
-2204	2,488028E+22	2,559057E+22	2,563561E+22	2,563556E+22	2,559059E+22	2,488014E+22	2,313265E+22	2,081655E+22	1,911429E+22	1,911419E+22	2,081626E+22	2,313217E+22
-2203	2,487933E+22	2,558976E+22	2,563534E+22	2,563568E+22	2,559074E+22	2,488028E+22	2,313290E+22	2,081688E+22	1,911456E+22	1,911440E+22	2,081652E+22	2,313283E+22
-2202	2,488087E+22	2,559138E+22	2,563610E+22	2,563584E+22	2,559062E+22	2,488004E+22	2,313265E+22	2,081660E+22	1,911439E+22	1,911447E+22	2,081661E+22	2,313231E+22
-2201	2,487965E+22	2,559028E+22	2,563531E+22	2,563529E+22	2,559040E+22	2,488012E+22	2,313290E+22	2,081695E+22	1,911461E+22	1,911435E+22	2,081620E+22	2,313183E+22
-2200	2,487919E+22	2,559032E+22	2,563600E+22	2,563595E+22	2,559064E+22	2,487995E+22	2,313259E+22	2,081687E+22	1,911493E+22	1,911499E+22	2,081714E+22	2,313324E+22
-2199	2,488071E+22	2,559095E+22	2,563593E+22	2,563582E+22	2,559058E+22	2,487986E+22	2,313236E+22	2,081657E+22	1,911483E+22	1,911514E+22	2,081704E+22	2,313237E+22
-2198	2,487932E+22	2,558963E+22	2,563494E+22	2,563541E+22	2,559064E+22	2,488026E+22	2,313299E+22	2,081719E+22	1,911512E+22	1,911507E+22	2,081698E+22	2,313266E+22
-2197	2,488018E+22	2,559105E+22	2,563618E+22	2,563608E+22	2,559086E+22	2,488009E+22	2,313271E+22	2,081708E+22	1,911528E+22	1,911544E+22	2,081764E+22	2,313357E+22
-2196	2,488077E+22	2,559111E+22	2,563604E+22	2,563568E+22	2,559039E+22	2,487994E+22	2,313287E+22	2,081735E+22	1,911552E+22	1,911541E+22	2,081699E+22	2,313235E+22
-2195	2,487935E+22	2,558994E+22	2,563567E+22	2,563591E+22	2,559065E+22	2,488012E+22	2,313316E+22	2,081788E+22	1,911616E+22	1,911599E+22	2,081745E+22	2,313288E+22
-2194	2,488055E+22	2,559148E+22	2,563667E+22	2,563649E+22	2,559095E+22	2,488009E+22	2,313291E+22	2,081757E+22	1,911609E+22	1,911633E+22	2,081803E+22	2,313305E+22
-2193	2,487978E+22	2,559037E+22	2,563574E+22	2,563585E+22	2,559080E+22	2,488036E+22	2,313328E+22	2,081788E+22	1,911618E+22	1,911608E+22	2,081747E+22	2,313245E+22
-2192	2,487922E+22	2,558998E+22	2,563581E+22	2,563611E+22	2,559089E+22	2,488028E+22	2,313322E+22	2,081796E+22	1,911637E+22	1,911636E+22	2,081804E+22	2,313365E+22
-2191	2,488103E+22	2,559129E+22	2,563613E+22	2,563599E+22	2,559070E+22	2,488006E+22	2,313291E+22	2,081758E+22	1,911612E+22	1,911631E+22	2,081785E+22	2,313282E+22
-2190	2,487963E+22	2,559005E+22	2,563521E+22	2,563531E+22	2,559036E+22	2,488018E+22	2,313337E+22	2,081802E+22	1,911615E+22	1,911587E+22	2,081730E+22	2,313253E+22
-2189	2,487978E+22	2,559086E+22	2,563638E+22	2,563622E+22	2,559064E+22	2,487982E+22	2,313278E+22	2,081757E+22	1,911597E+22	1,911600E+22	2,081784E+22	2,313350E+22
-2188	2,488071E+22	2,559112E+22	2,563627E+22	2,563606E+22	2,559054E+22	2,487977E+22	2,313254E+22	2,081712E+22	1,911551E+22	1,911561E+22	2,081726E+22	2,313242E+22
-2187	2,487923E+22	2,558960E+22	2,563516E+22	2,563568E+22	2,559070E+22	2,488016E+22	2,313290E+22	2,081726E+22	1,911538E+22	1,911535E+22	2,081715E+22	2,313273E+22
-2186	2,488035E+22	2,559122E+22	2,563625E+22	2,563610E+22	2,559088E+22	2,488018E+22	2,313275E+22	2,081687E+22	1,911491E+22	1,911512E+22	2,081737E+22	2,313314E+22
-2185	2,488020E+22	2,559061E+22	2,563566E+22	2,563553E+22	2,559049E+22	2,488018E+22	2,313297E+22	2,081710E+22	1,911488E+22	1,911462E+22	2,081637E+22	2,313200E+22
-2184	2,487924E+22	2,558991E+22	2,563549E+22	2,563569E+22	2,559050E+22	2,488000E+22	2,313289E+22	2,081726E+22	1,911520E+22	1,911497E+22	2,081678E+22	2,313273E+22
-2183	2,488068E+22	2,559139E+22	2,563630E+22	2,563611E+22	2,559068E+22	2,487985E+22	2,313245E+22	2,081682E+22	1,911509E+22	1,911530E+22	2,081716E+22	2,313239E+22
-2182	2,487937E+22	2,558997E+22	2,563518E+22	2,563535E+22	2,559048E+22	2,488014E+22	2,313297E+22	2,081725E+22	1,911521E+22	1,911509E+22	2,081685E+22	2,313218E+22
-2181	2,487920E+22	2,559011E+22	2,563583E+22	2,563602E+22	2,559075E+22	2,488000E+22	2,313271E+22	2,081713E+22	1,911535E+22	1,911547E+22	2,081757E+22	2,313351E+22
-2180	2,488081E+22	2,559103E+22	2,563602E+22	2,563594E+22	2,559063E+22	2,487994E+22	2,313261E+22	2,081698E+22	1,911528E+22	1,911549E+22	2,081739E+22	2,313275E+22
-2179	2,487958E+22	2,558970E+22	2,563484E+22	2,563522E+22	2,559041E+22	2,488012E+22	2,313310E+22	2,081761E+22	1,911575E+22	1,911560E+22	2,081721E+22	2,313267E+22
-2178	2,488028E+22	2,559132E+22	2,563642E+22	2,563604E+22	2,559057E+22	2,487998E+22	2,313298E+22	2,081762E+22	1,911596E+22	1,911603E+22	2,081786E+22	2,313337E+22
-2177	2,488043E+22	2,559103E+22	2,563631E+22	2,563606E+22	2,559052E+22	2,487989E+22	2,313297E+22	2,081783E+22	1,911628E+22	1,911617E+22	2,081743E+22	2,313230E+22
-2176	2,487909E+22	2,558979E+22	2,563563E+22	2,563603E+22	2,559072E+22	2,488004E+22	2,313311E+22	2,081810E+22	1,911670E+22	1,911663E+22	2,081796E+22	2,313308E+22
-2175	2,488046E+22	2,559132E+22	2,563656E+22	2,563651E+22	2,559103E+22	2,488015E+22	2,313292E+22	2,081777E+22	1,911660E+22	1,911694E+22	2,081850E+22	2,313329E+22
-2174	2,487978E+22	2,559017E+22	2,563544E+22	2,563558E+22	2,559060E+22	2,488037E+22	2,313355E+22	2,081833E+22	1,911671E+22	1,911654E+22	2,081780E+22	2,313267E+22
-2173	2,487941E+22	2,559009E+22	2,563577E+22	2,563601E+22	2,559069E+22	2,488010E+22	2,313331E+22	2,081834E+22	1,911688E+22	1,911674E+22	2,081816E+22	2,313358E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2172	2,488099E+22	2,559155E+22	2,563652E+22	2,563622E+22	2,559061E+22	2,487986E+22	2,313291E+22	2,081791E+22	1,911662E+22	1,911671E+22	2,081811E+22	2,313294E+22
-2171	2,487955E+22	2,558997E+22	2,563525E+22	2,563545E+22	2,559036E+22	2,487996E+22	2,313319E+22	2,081816E+22	1,911663E+22	1,911643E+22	2,081766E+22	2,313258E+22
-2170	2,487972E+22	2,559089E+22	2,563648E+22	2,563630E+22	2,559068E+22	2,487992E+22	2,313294E+22	2,081775E+22	1,911628E+22	1,911639E+22	2,081813E+22	2,313356E+22
-2169	2,488049E+22	2,559092E+22	2,563628E+22	2,563626E+22	2,559075E+22	2,487998E+22	2,313280E+22	2,081745E+22	1,911588E+22	1,911596E+22	2,081748E+22	2,313249E+22
-2168	2,487926E+22	2,558961E+22	2,563504E+22	2,563560E+22	2,559066E+22	2,488016E+22	2,313305E+22	2,081759E+22	1,911577E+22	1,911566E+22	2,081730E+22	2,313278E+22
-2167	2,488038E+22	2,559137E+22	2,563631E+22	2,563606E+22	2,559078E+22	2,488012E+22	2,313280E+22	2,081724E+22	1,911555E+22	1,911567E+22	2,081756E+22	2,313302E+22
-2166	2,487996E+22	2,559051E+22	2,563564E+22	2,563546E+22	2,559031E+22	2,488006E+22	2,313314E+22	2,081761E+22	1,911562E+22	1,911533E+22	2,081678E+22	2,313204E+22
-2165	2,487907E+22	2,558976E+22	2,563549E+22	2,563589E+22	2,559055E+22	2,487982E+22	2,313281E+22	2,081754E+22	1,911580E+22	1,911565E+22	2,081727E+22	2,313286E+22
-2164	2,488049E+22	2,559124E+22	2,563631E+22	2,563628E+22	2,559080E+22	2,487984E+22	2,313243E+22	2,081700E+22	1,911550E+22	1,911581E+22	2,081774E+22	2,313291E+22
-2163	2,487946E+22	2,558972E+22	2,563485E+22	2,563515E+22	2,559037E+22	2,488006E+22	2,313297E+22	2,081743E+22	1,911562E+22	1,911558E+22	2,081728E+22	2,313255E+22
-2162	2,487954E+22	2,559037E+22	2,563584E+22	2,563577E+22	2,559044E+22	2,487996E+22	2,313298E+22	2,081752E+22	1,911577E+22	1,911579E+22	2,081773E+22	2,313354E+22
-2161	2,488084E+22	2,559123E+22	2,563627E+22	2,563605E+22	2,559053E+22	2,487986E+22	2,313281E+22	2,081751E+22	1,911594E+22	1,911598E+22	2,081750E+22	2,313259E+22
-2160	2,487954E+22	2,558997E+22	2,563516E+22	2,563543E+22	2,559034E+22	2,487990E+22	2,313307E+22	2,081798E+22	1,911641E+22	1,911623E+22	2,081748E+22	2,313255E+22
-2159	2,488004E+22	2,559135E+22	2,563669E+22	2,563641E+22	2,559079E+22	2,487994E+22	2,313288E+22	2,081790E+22	1,911670E+22	1,911682E+22	2,081830E+22	2,313332E+22
-2158	2,488005E+22	2,559069E+22	2,563617E+22	2,563615E+22	2,559072E+22	2,488011E+22	2,313323E+22	2,081826E+22	1,911694E+22	1,911689E+22	2,081799E+22	2,313256E+22
-2157	2,487901E+22	2,558950E+22	2,563540E+22	2,563608E+22	2,559084E+22	2,488015E+22	2,313334E+22	2,081851E+22	1,911722E+22	1,911714E+22	2,081834E+22	2,313330E+22
-2156	2,488046E+22	2,559127E+22	2,563651E+22	2,563648E+22	2,559102E+22	2,488019E+22	2,313317E+22	2,081825E+22	1,911711E+22	1,911733E+22	2,081884E+22	2,313364E+22
-2155	2,487995E+22	2,559018E+22	2,563529E+22	2,563528E+22	2,559025E+22	2,488012E+22	2,313359E+22	2,081875E+22	1,911738E+22	1,911714E+22	2,081810E+22	2,313274E+22
-2154	2,487949E+22	2,559036E+22	2,563602E+22	2,563591E+22	2,559031E+22	2,487984E+22	2,313339E+22	2,081870E+22	1,911745E+22	1,911731E+22	2,081845E+22	2,313350E+22
-2153	2,488071E+22	2,559148E+22	2,563677E+22	2,563657E+22	2,559074E+22	2,487975E+22	2,313284E+22	2,081815E+22	1,911716E+22	1,911732E+22	2,081850E+22	2,313300E+22
-2152	2,487946E+22	2,558994E+22	2,563524E+22	2,563556E+22	2,559047E+22	2,487992E+22	2,313304E+22	2,081816E+22	1,911690E+22	1,911685E+22	2,081802E+22	2,313279E+22
-2151	2,487972E+22	2,559084E+22	2,563644E+22	2,563636E+22	2,559084E+22	2,488002E+22	2,313293E+22	2,081786E+22	1,911660E+22	1,911671E+22	2,081832E+22	2,313367E+22
-2150	2,488049E+22	2,559081E+22	2,563609E+22	2,563611E+22	2,559073E+22	2,488010E+22	2,313311E+22	2,081788E+22	1,911633E+22	1,911627E+22	2,081762E+22	2,313255E+22
-2149	2,487930E+22	2,558965E+22	2,563504E+22	2,563558E+22	2,559054E+22	2,488005E+22	2,313319E+22	2,081801E+22	1,911629E+22	1,911603E+22	2,081738E+22	2,313262E+22
-2148	2,488014E+22	2,559138E+22	2,563656E+22	2,563629E+22	2,559080E+22	2,488002E+22	2,313288E+22	2,081762E+22	1,911610E+22	1,911618E+22	2,081791E+22	2,313315E+22
-2147	2,487978E+22	2,559028E+22	2,563550E+22	2,563541E+22	2,559023E+22	2,487988E+22	2,313304E+22	2,081784E+22	1,911622E+22	1,911604E+22	2,081729E+22	2,313222E+22
-2146	2,487901E+22	2,558971E+22	2,563543E+22	2,563571E+22	2,559042E+22	2,487985E+22	2,313297E+22	2,081777E+22	1,911621E+22	1,911617E+22	2,081770E+22	2,313308E+22
-2145	2,488042E+22	2,559110E+22	2,563630E+22	2,563635E+22	2,559086E+22	2,487990E+22	2,313262E+22	2,081737E+22	1,911600E+22	1,911628E+22	2,081804E+22	2,313313E+22
-2144	2,487973E+22	2,558994E+22	2,563481E+22	2,563502E+22	2,559020E+22	2,487991E+22	2,313299E+22	2,081773E+22	1,911610E+22	1,911600E+22	2,081748E+22	2,313263E+22
-2143	2,487968E+22	2,559070E+22	2,563613E+22	2,563586E+22	2,559036E+22	2,487980E+22	2,313294E+22	2,081790E+22	1,911647E+22	1,911638E+22	2,081790E+22	2,313340E+22
-2142	2,488062E+22	2,559122E+22	2,563649E+22	2,563624E+22	2,559052E+22	2,487978E+22	2,313296E+22	2,081804E+22	1,911674E+22	1,911674E+22	2,081790E+22	2,313256E+22
-2141	2,487925E+22	2,558977E+22	2,563528E+22	2,563580E+22	2,559055E+22	2,487986E+22	2,313309E+22	2,081833E+22	1,911709E+22	1,911695E+22	2,081797E+22	2,313262E+22
-2140	2,487969E+22	2,559105E+22	2,563670E+22	2,563664E+22	2,559108E+22	2,488015E+22	2,313307E+22	2,081823E+22	1,911721E+22	1,911742E+22	2,081888E+22	2,313373E+22
-2139	2,488004E+22	2,559036E+22	2,563576E+22	2,563585E+22	2,559060E+22	2,488014E+22	2,313342E+22	2,081865E+22	1,911753E+22	1,911752E+22	2,081845E+22	2,313287E+22
-2138	2,487926E+22	2,558967E+22	2,563530E+22	2,563567E+22	2,559047E+22	2,488012E+22	2,313365E+22	2,081899E+22	1,911779E+22	1,911760E+22	2,081858E+22	2,313337E+22
-2137	2,488048E+22	2,559139E+22	2,563670E+22	2,563651E+22	2,559083E+22	2,488001E+22	2,313328E+22	2,081874E+22	1,911781E+22	1,911791E+22	2,081903E+22	2,313360E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2136	2,488001E+22	2,559042E+22	2,563554E+22	2,563542E+22	2,559011E+22	2,487977E+22	2,313337E+22	2,081892E+22	1,911790E+22	1,911774E+22	2,081845E+22	2,313278E+22
-2135	2,487942E+22	2,559045E+22	2,563632E+22	2,563626E+22	2,559050E+22	2,487972E+22	2,313314E+22	2,081877E+22	1,911792E+22	1,911787E+22	2,081881E+22	2,313355E+22
-2134	2,488048E+22	2,559122E+22	2,563670E+22	2,563668E+22	2,559096E+22	2,487997E+22	2,313304E+22	2,081839E+22	1,911753E+22	1,911776E+22	2,081887E+22	2,313320E+22
-2133	2,487944E+22	2,558976E+22	2,563519E+22	2,563570E+22	2,559065E+22	2,488009E+22	2,313327E+22	2,081844E+22	1,911720E+22	1,911710E+22	2,081817E+22	2,313287E+22
-2132	2,487971E+22	2,559080E+22	2,563642E+22	2,563634E+22	2,559090E+22	2,488019E+22	2,313323E+22	2,081827E+22	1,911697E+22	1,911695E+22	2,081843E+22	2,313372E+22
-2131	2,488046E+22	2,559074E+22	2,563593E+22	2,563580E+22	2,559042E+22	2,487996E+22	2,313324E+22	2,081833E+22	1,911698E+22	1,911684E+22	2,081783E+22	2,313249E+22
-2130	2,487923E+22	2,558976E+22	2,563518E+22	2,563541E+22	2,559021E+22	2,487985E+22	2,313328E+22	2,081839E+22	1,911691E+22	1,911664E+22	2,081772E+22	2,313258E+22
-2129	2,487980E+22	2,559109E+22	2,563660E+22	2,563645E+22	2,559085E+22	2,487989E+22	2,313282E+22	2,081790E+22	1,911670E+22	1,911686E+22	2,081836E+22	2,313333E+22
-2128	2,487981E+22	2,559019E+22	2,563537E+22	2,563532E+22	2,559016E+22	2,487974E+22	2,313288E+22	2,081786E+22	1,911655E+22	1,911657E+22	2,081779E+22	2,313259E+22
-2127	2,487920E+22	2,558979E+22	2,563547E+22	2,563568E+22	2,559035E+22	2,487974E+22	2,313287E+22	2,081791E+22	1,911661E+22	1,911656E+22	2,081795E+22	2,313324E+22
-2126	2,488054E+22	2,559118E+22	2,563631E+22	2,563624E+22	2,559075E+22	2,487990E+22	2,313284E+22	2,081780E+22	1,911653E+22	1,911671E+22	2,081822E+22	2,313316E+22
-2125	2,487979E+22	2,559012E+22	2,563515E+22	2,563528E+22	2,559019E+22	2,487978E+22	2,313305E+22	2,081812E+22	1,911669E+22	1,911649E+22	2,081760E+22	2,313245E+22
-2124	2,487943E+22	2,559071E+22	2,563650E+22	2,563631E+22	2,559063E+22	2,487986E+22	2,313306E+22	2,081830E+22	1,911708E+22	1,911700E+22	2,081827E+22	2,313342E+22
-2123	2,488034E+22	2,559092E+22	2,563639E+22	2,563633E+22	2,559068E+22	2,487987E+22	2,313307E+22	2,081842E+22	1,911746E+22	1,911756E+22	2,081847E+22	2,313274E+22
-2122	2,487912E+22	2,558961E+22	2,563519E+22	2,563563E+22	2,559053E+22	2,488010E+22	2,313347E+22	2,081878E+22	1,911769E+22	1,911760E+22	2,081848E+22	2,313285E+22
-2121	2,487957E+22	2,559073E+22	2,563654E+22	2,563661E+22	2,559112E+22	2,488029E+22	2,313342E+22	2,081880E+22	1,911791E+22	1,911805E+22	2,081925E+22	2,313396E+22
-2120	2,488032E+22	2,559051E+22	2,563562E+22	2,563554E+22	2,559029E+22	2,487994E+22	2,313347E+22	2,081903E+22	1,911815E+22	1,911813E+22	2,081881E+22	2,313303E+22
-2119	2,487944E+22	2,558997E+22	2,563556E+22	2,563563E+22	2,559019E+22	2,487978E+22	2,313351E+22	2,081933E+22	1,911850E+22	1,911826E+22	2,081887E+22	2,313334E+22
-2118	2,488037E+22	2,559141E+22	2,563691E+22	2,563666E+22	2,559076E+22	2,487981E+22	2,313326E+22	2,081908E+22	1,911846E+22	1,911860E+22	2,081948E+22	2,313370E+22
-2117	2,487988E+22	2,559029E+22	2,563573E+22	2,563578E+22	2,559028E+22	2,487966E+22	2,313320E+22	2,081900E+22	1,911827E+22	1,911821E+22	2,081881E+22	2,313289E+22
-2116	2,487927E+22	2,559028E+22	2,563638E+22	2,563650E+22	2,559081E+22	2,487997E+22	2,313327E+22	2,081887E+22	1,911808E+22	1,911814E+22	2,081913E+22	2,313380E+22
-2115	2,488054E+22	2,559103E+22	2,563642E+22	2,563643E+22	2,559087E+22	2,488006E+22	2,313326E+22	2,081869E+22	1,911787E+22	1,911807E+22	2,081903E+22	2,313327E+22
-2114	2,487956E+22	2,558991E+22	2,563516E+22	2,563533E+22	2,559035E+22	2,488015E+22	2,313362E+22	2,081889E+22	1,911765E+22	1,911738E+22	2,081819E+22	2,313270E+22
-2113	2,487951E+22	2,559072E+22	2,563657E+22	2,563641E+22	2,559080E+22	2,488010E+22	2,313340E+22	2,081878E+22	1,911766E+22	1,911750E+22	2,081853E+22	2,313352E+22
-2112	2,488037E+22	2,559075E+22	2,563600E+22	2,563582E+22	2,559025E+22	2,487966E+22	2,313305E+22	2,081852E+22	1,911754E+22	1,911751E+22	2,081826E+22	2,313253E+22
-2111	2,487911E+22	2,558970E+22	2,563529E+22	2,563556E+22	2,559025E+22	2,487966E+22	2,313305E+22	2,081850E+22	1,911742E+22	1,911726E+22	2,081818E+22	2,313275E+22
-2110	2,487969E+22	2,559083E+22	2,563648E+22	2,563643E+22	2,559088E+22	2,487996E+22	2,313295E+22	2,081815E+22	1,911713E+22	1,911738E+22	2,081883E+22	2,313365E+22
-2109	2,487993E+22	2,559009E+22	2,563539E+22	2,563544E+22	2,559018E+22	2,487972E+22	2,313295E+22	2,081810E+22	1,911689E+22	1,911689E+22	2,081802E+22	2,313274E+22
-2108	2,487934E+22	2,558994E+22	2,563565E+22	2,563580E+22	2,559043E+22	2,487985E+22	2,313308E+22	2,081825E+22	1,911699E+22	1,911691E+22	2,081815E+22	2,313327E+22
-2107	2,488054E+22	2,559124E+22	2,563639E+22	2,563616E+22	2,559057E+22	2,487982E+22	2,313299E+22	2,081827E+22	1,911724E+22	1,911737E+22	2,081851E+22	2,313307E+22
-2106	2,487965E+22	2,559020E+22	2,563540E+22	2,563533E+22	2,559015E+22	2,487982E+22	2,313324E+22	2,081857E+22	1,911741E+22	1,911722E+22	2,081802E+22	2,313241E+22
-2105	2,487905E+22	2,559031E+22	2,563649E+22	2,563656E+22	2,559089E+22	2,488000E+22	2,313323E+22	2,081874E+22	1,911783E+22	1,911779E+22	2,081875E+22	2,313355E+22
-2104	2,488032E+22	2,559072E+22	2,563614E+22	2,563618E+22	2,559064E+22	2,487988E+22	2,313314E+22	2,081869E+22	1,911801E+22	1,911824E+22	2,081905E+22	2,313312E+22
-2103	2,487933E+22	2,558965E+22	2,563514E+22	2,563547E+22	2,559032E+22	2,487994E+22	2,313353E+22	2,081920E+22	1,911831E+22	1,911815E+22	2,081883E+22	2,313306E+22
-2102	2,487971E+22	2,559076E+22	2,563646E+22	2,563637E+22	2,559081E+22	2,488016E+22	2,313363E+22	2,081934E+22	1,911860E+22	1,911864E+22	2,081956E+22	2,313405E+22
-2101	2,488040E+22	2,559068E+22	2,563599E+22	2,563577E+22	2,559012E+22	2,487963E+22	2,313339E+22	2,081934E+22	1,911874E+22	1,911869E+22	2,081909E+22	2,313299E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2100	2,487935E+22	2,559008E+22	2,563595E+22	2,563605E+22	2,559038E+22	2,487972E+22	2,313344E+22	2,081948E+22	1,911889E+22	1,911879E+22	2,081928E+22	2,313339E+22
-2099	2,488018E+22	2,559122E+22	2,563686E+22	2,563672E+22	2,559086E+22	2,487987E+22	2,313329E+22	2,081927E+22	1,911891E+22	1,911917E+22	2,081991E+22	2,313384E+22
-2098	2,487983E+22	2,559024E+22	2,563576E+22	2,563575E+22	2,559037E+22	2,487995E+22	2,313351E+22	2,081928E+22	1,911861E+22	1,911856E+22	2,081905E+22	2,313298E+22
-2097	2,487915E+22	2,559000E+22	2,563625E+22	2,563655E+22	2,559093E+22	2,488017E+22	2,313363E+22	2,081938E+22	1,911860E+22	1,911850E+22	2,081918E+22	2,313374E+22
-2096	2,488067E+22	2,559111E+22	2,563629E+22	2,563618E+22	2,559062E+22	2,487995E+22	2,313338E+22	2,081907E+22	1,911840E+22	1,911853E+22	2,081923E+22	2,313323E+22
-2095	2,487954E+22	2,559006E+22	2,563538E+22	2,563530E+22	2,559003E+22	2,487979E+22	2,313355E+22	2,081929E+22	1,911834E+22	1,911798E+22	2,081846E+22	2,313259E+22
-2094	2,487922E+22	2,559048E+22	2,563655E+22	2,563646E+22	2,559069E+22	2,487992E+22	2,313339E+22	2,081911E+22	1,911829E+22	1,911822E+22	2,081907E+22	2,313364E+22
-2093	2,488018E+22	2,559050E+22	2,563604E+22	2,563603E+22	2,559031E+22	2,487951E+22	2,313287E+22	2,081854E+22	1,911788E+22	1,911803E+22	2,081876E+22	2,313281E+22
-2092	2,487913E+22	2,558957E+22	2,563526E+22	2,563566E+22	2,559041E+22	2,487980E+22	2,313309E+22	2,081851E+22	1,911753E+22	1,911757E+22	2,081859E+22	2,313309E+22
-2091	2,487991E+22	2,559080E+22	2,563627E+22	2,563618E+22	2,559069E+22	2,487994E+22	2,313310E+22	2,081843E+22	1,911749E+22	1,911772E+22	2,081907E+22	2,313381E+22
-2090	2,488019E+22	2,559042E+22	2,563557E+22	2,563528E+22	2,558998E+22	2,487976E+22	2,313320E+22	2,081850E+22	1,911735E+22	1,911722E+22	2,081808E+22	2,313259E+22
-2089	2,487919E+22	2,558995E+22	2,563596E+22	2,563611E+22	2,559051E+22	2,487986E+22	2,313330E+22	2,081880E+22	1,911772E+22	1,911750E+22	2,081827E+22	2,313304E+22
-2088	2,488042E+22	2,559125E+22	2,563651E+22	2,563632E+22	2,559060E+22	2,487973E+22	2,313299E+22	2,081858E+22	1,911789E+22	1,911812E+22	2,081899E+22	2,313310E+22
-2087	2,487945E+22	2,559007E+22	2,563550E+22	2,563550E+22	2,559023E+22	2,487979E+22	2,313330E+22	2,081897E+22	1,911811E+22	1,911795E+22	2,081854E+22	2,313258E+22
-2086	2,487889E+22	2,558994E+22	2,563625E+22	2,563649E+22	2,559091E+22	2,488018E+22	2,313358E+22	2,081928E+22	1,911852E+22	1,911851E+22	2,081932E+22	2,313386E+22
-2085	2,488039E+22	2,559059E+22	2,563607E+22	2,563614E+22	2,559049E+22	2,487977E+22	2,313326E+22	2,081910E+22	1,911858E+22	1,911877E+22	2,081941E+22	2,313332E+22
-2084	2,487949E+22	2,558981E+22	2,563527E+22	2,563546E+22	2,559020E+22	2,487986E+22	2,313364E+22	2,081955E+22	1,911883E+22	1,911870E+22	2,081918E+22	2,313315E+22
-2083	2,487976E+22	2,559088E+22	2,563660E+22	2,563630E+22	2,559046E+22	2,487982E+22	2,313360E+22	2,081975E+22	1,911932E+22	1,911937E+22	2,081998E+22	2,313406E+22
-2082	2,488032E+22	2,559079E+22	2,563625E+22	2,563591E+22	2,559010E+22	2,487955E+22	2,313336E+22	2,081959E+22	1,911929E+22	1,911931E+22	2,081951E+22	2,313303E+22
-2081	2,487907E+22	2,558980E+22	2,563603E+22	2,563640E+22	2,559072E+22	2,487990E+22	2,313354E+22	2,081974E+22	1,911939E+22	1,911933E+22	2,081959E+22	2,313350E+22
-2080	2,488024E+22	2,559112E+22	2,563668E+22	2,563662E+22	2,559087E+22	2,487995E+22	2,313338E+22	2,081944E+22	1,911923E+22	1,911957E+22	2,082024E+22	2,313403E+22
-2079	2,487996E+22	2,559030E+22	2,563576E+22	2,563568E+22	2,559024E+22	2,487987E+22	2,313367E+22	2,081970E+22	1,911910E+22	1,911887E+22	2,081916E+22	2,313295E+22
-2078	2,487912E+22	2,558993E+22	2,563616E+22	2,563641E+22	2,559075E+22	2,488014E+22	2,313390E+22	2,081992E+22	1,911925E+22	1,911899E+22	2,081938E+22	2,313363E+22
-2077	2,488047E+22	2,559106E+22	2,563652E+22	2,563638E+22	2,559049E+22	2,487968E+22	2,313331E+22	2,081935E+22	1,911893E+22	1,911905E+22	2,081951E+22	2,313318E+22
-2076	2,487936E+22	2,558998E+22	2,563554E+22	2,563559E+22	2,559018E+22	2,487975E+22	2,313348E+22	2,081938E+22	1,911867E+22	1,911853E+22	2,081897E+22	2,313275E+22
-2075	2,487909E+22	2,559025E+22	2,563635E+22	2,563634E+22	2,559060E+22	2,487988E+22	2,313341E+22	2,081928E+22	1,911869E+22	1,911877E+22	2,081959E+22	2,313395E+22
-2074	2,488028E+22	2,559050E+22	2,563596E+22	2,563590E+22	2,559029E+22	2,487968E+22	2,313307E+22	2,081877E+22	1,911816E+22	1,911834E+22	2,081905E+22	2,313303E+22
-2073	2,487923E+22	2,558952E+22	2,563523E+22	2,563573E+22	2,559050E+22	2,487993E+22	2,313336E+22	2,081894E+22	1,911800E+22	1,911787E+22	2,081862E+22	2,313307E+22
-2072	2,488015E+22	2,559106E+22	2,563630E+22	2,563603E+22	2,559046E+22	2,487981E+22	2,313318E+22	2,081879E+22	1,911802E+22	1,911818E+22	2,081925E+22	2,313375E+22
-2071	2,488017E+22	2,559067E+22	2,563597E+22	2,563552E+22	2,558983E+22	2,487945E+22	2,313321E+22	2,081899E+22	1,911809E+22	1,911784E+22	2,081836E+22	2,313246E+22
-2070	2,487886E+22	2,558966E+22	2,563595E+22	2,563629E+22	2,559058E+22	2,487983E+22	2,313342E+22	2,081928E+22	1,911850E+22	1,911831E+22	2,081882E+22	2,313308E+22
-2069	2,488005E+22	2,559091E+22	2,563652E+22	2,563654E+22	2,559072E+22	2,487973E+22	2,313301E+22	2,081883E+22	1,911842E+22	1,911876E+22	2,081955E+22	2,313338E+22
-2068	2,487945E+22	2,558991E+22	2,563539E+22	2,563552E+22	2,559028E+22	2,487990E+22	2,313348E+22	2,081920E+22	1,911848E+22	1,911848E+22	2,081906E+22	2,313288E+22
-2067	2,487903E+22	2,558988E+22	2,563594E+22	2,563608E+22	2,559053E+22	2,488003E+22	2,313377E+22	2,081976E+22	1,911915E+22	1,911909E+22	2,081971E+22	2,313404E+22
-2066	2,488058E+22	2,559088E+22	2,563621E+22	2,563598E+22	2,559023E+22	2,487966E+22	2,313338E+22	2,081954E+22	1,911922E+22	1,911931E+22	2,081967E+22	2,313330E+22
-2065	2,487940E+22	2,558988E+22	2,563558E+22	2,563579E+22	2,559026E+22	2,487973E+22	2,313367E+22	2,081997E+22	1,911955E+22	1,911933E+22	2,081941E+22	2,313308E+22

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2064	2,487975E+22	2,559094E+22	2,563673E+22	2,563650E+22	2,559052E+22	2,487968E+22	2,313346E+22	2,081990E+22	1,911984E+22	1,912004E+22	2,082048E+22	2,313421E+22
-2063	2,488023E+22	2,559077E+22	2,563645E+22	2,563619E+22	2,559022E+22	2,487952E+22	2,313341E+22	2,081989E+22	1,911978E+22	1,911981E+22	2,081988E+22	2,313317E+22
-2062	2,487894E+22	2,558950E+22	2,563583E+22	2,563643E+22	2,559085E+22	2,488014E+22	2,313392E+22	2,082022E+22	1,911992E+22	1,911981E+22	2,081993E+22	2,313361E+22
-2061	2,488015E+22	2,559102E+22	2,563667E+22	2,563664E+22	2,559083E+22	2,487998E+22	2,313360E+22	2,081984E+22	1,911970E+22	1,911992E+22	2,082039E+22	2,313405E+22
-2060	2,487998E+22	2,559041E+22	2,563583E+22	2,563566E+22	2,559015E+22	2,487987E+22	2,313386E+22	2,082006E+22	1,911957E+22	1,911936E+22	2,081943E+22	2,313290E+22
-2059	2,487899E+22	2,558986E+22	2,563606E+22	2,563624E+22	2,559042E+22	2,487985E+22	2,313392E+22	2,082033E+22	1,911993E+22	1,911969E+22	2,081982E+22	2,313369E+22
-2058	2,488031E+22	2,559099E+22	2,563650E+22	2,563639E+22	2,559048E+22	2,487959E+22	2,313322E+22	2,081953E+22	1,911940E+22	1,911960E+22	2,081998E+22	2,313337E+22
-2057	2,487920E+22	2,558973E+22	2,563546E+22	2,563574E+22	2,559036E+22	2,487982E+22	2,313351E+22	2,081956E+22	1,911904E+22	1,911895E+22	2,081928E+22	2,313303E+22
-2056	2,487936E+22	2,559030E+22	2,563617E+22	2,563614E+22	2,559042E+22	2,487976E+22	2,313339E+22	2,081938E+22	1,911892E+22	1,911908E+22	2,081989E+22	2,313421E+22
-2055	2,488054E+22	2,559078E+22	2,563611E+22	2,563587E+22	2,559005E+22	2,487944E+22	2,313315E+22	2,081916E+22	1,911858E+22	1,911856E+22	2,081908E+22	2,313298E+22
-2054	2,487923E+22	2,558965E+22	2,563538E+22	2,563580E+22	2,559042E+22	2,487989E+22	2,313358E+22	2,081945E+22	1,911864E+22	1,911837E+22	2,081876E+22	2,313286E+22
-2053	2,487984E+22	2,559108E+22	2,563668E+22	2,563640E+22	2,559049E+22	2,487963E+22	2,313314E+22	2,081909E+22	1,911859E+22	1,911871E+22	2,081948E+22	2,313359E+22
-2052	2,487987E+22	2,559053E+22	2,563611E+22	2,563589E+22	2,559015E+22	2,487957E+22	2,313327E+22	2,081919E+22	1,911857E+22	1,911851E+22	2,081889E+22	2,313255E+22
-2051	2,487860E+22	2,558933E+22	2,563565E+22	2,563618E+22	2,559057E+22	2,487990E+22	2,313362E+22	2,081969E+22	1,911913E+22	1,911904E+22	2,081943E+22	2,313340E+22
-2050	2,488002E+22	2,559072E+22	2,563626E+22	2,563636E+22	2,559071E+22	2,487988E+22	2,313327E+22	2,081926E+22	1,911897E+22	1,911929E+22	2,081997E+22	2,313366E+22
-2049	2,487952E+22	2,558985E+22	2,563529E+22	2,563547E+22	2,559024E+22	2,487993E+22	2,313374E+22	2,081977E+22	1,911920E+22	1,911904E+22	2,081929E+22	2,313301E+22
-2048	2,487931E+22	2,559017E+22	2,563599E+22	2,563586E+22	2,559012E+22	2,487969E+22	2,313373E+22	2,082013E+22	1,911983E+22	1,911978E+22	2,082011E+22	2,313413E+22
-2047	2,488060E+22	2,559116E+22	2,563662E+22	2,563621E+22	2,559002E+22	2,487923E+22	2,313328E+22	2,081997E+22	1,911995E+22	1,911999E+22	2,082006E+22	2,313332E+22
-2046	2,487919E+22	2,558973E+22	2,563566E+22	2,563608E+22	2,559045E+22	2,487974E+22	2,313370E+22	2,082031E+22	1,912021E+22	1,912007E+22	2,081994E+22	2,313320E+22
-2045	2,487949E+22	2,559073E+22	2,563683E+22	2,563677E+22	2,559074E+22	2,487976E+22	2,313349E+22	2,082006E+22	1,912020E+22	1,912047E+22	2,082085E+22	2,313445E+22
-2044	2,488028E+22	2,559071E+22	2,563641E+22	2,563630E+22	2,559043E+22	2,487976E+22	2,313367E+22	2,082012E+22	1,912007E+22	1,912017E+22	2,082019E+22	2,313330E+22
-2043	2,487900E+22	2,558948E+22	2,563558E+22	2,563610E+22	2,559058E+22	2,488011E+22	2,313422E+22	2,082077E+22	1,912053E+22	1,912029E+22	2,082016E+22	2,313361E+22
-2042	2,488009E+22	2,559113E+22	2,563672E+22	2,563653E+22	2,559068E+22	2,487994E+22	2,313376E+22	2,082031E+22	1,912033E+22	1,912041E+22	2,082057E+22	2,313395E+22
-2041	2,487975E+22	2,559033E+22	2,563598E+22	2,563589E+22	2,559021E+22	2,487978E+22	2,313391E+22	2,082046E+22	1,912025E+22	1,911997E+22	2,081968E+22	2,313290E+22
-2040	2,487894E+22	2,558981E+22	2,563599E+22	2,563618E+22	2,559032E+22	2,487965E+22	2,313376E+22	2,082044E+22	1,912038E+22	1,912030E+22	2,082036E+22	2,313396E+22
-2039	2,488031E+22	2,559100E+22	2,563659E+22	2,563647E+22	2,559041E+22	2,487943E+22	2,313322E+22	2,081977E+22	1,911977E+22	1,911999E+22	2,082032E+22	2,313365E+22
-2038	2,487925E+22	2,558959E+22	2,563529E+22	2,563570E+22	2,559037E+22	2,487988E+22	2,313370E+22	2,081989E+22	1,911945E+22	1,911930E+22	2,081951E+22	2,313314E+22
-2037	2,487937E+22	2,559040E+22	2,563633E+22	2,563619E+22	2,559036E+22	2,487968E+22	2,313343E+22	2,081962E+22	1,911926E+22	1,911931E+22	2,081994E+22	2,313419E+22
-2036	2,488058E+22	2,559103E+22	2,563642E+22	2,563606E+22	2,559007E+22	2,487940E+22	2,313323E+22	2,081939E+22	1,911900E+22	1,911902E+22	2,081927E+22	2,313281E+22
-2035	2,487896E+22	2,558955E+22	2,563538E+22	2,563581E+22	2,559028E+22	2,487971E+22	2,313364E+22	2,081988E+22	1,911936E+22	1,911910E+22	2,081921E+22	2,313285E+22
-2034	2,487946E+22	2,559081E+22	2,563660E+22	2,563652E+22	2,559073E+22	2,487976E+22	2,313319E+22	2,081937E+22	1,911917E+22	1,911936E+22	2,081995E+22	2,313375E+22
-2033	2,487964E+22	2,559017E+22	2,563589E+22	2,563594E+22	2,559036E+22	2,487978E+22	2,313348E+22	2,081955E+22	1,911915E+22	1,911908E+22	2,081928E+22	2,313288E+22
-2032	2,487883E+22	2,558928E+22	2,563531E+22	2,563578E+22	2,559028E+22	2,487977E+22	2,313372E+22	2,082001E+22	1,911963E+22	1,911957E+22	2,081989E+22	2,313377E+22
-2031	2,488029E+22	2,559098E+22	2,563636E+22	2,563620E+22	2,559030E+22	2,487952E+22	2,313337E+22	2,081980E+22	1,911962E+22	1,911976E+22	2,082019E+22	2,313376E+22
-2030	2,487958E+22	2,558999E+22	2,563547E+22	2,563553E+22	2,559008E+22	2,487973E+22	2,313382E+22	2,082027E+22	1,911997E+22	1,911973E+22	2,081962E+22	2,313296E+22
-2029	2,487911E+22	2,559031E+22	2,563647E+22	2,563626E+22	2,559017E+22	2,487945E+22	2,313357E+22	2,082033E+22	1,912039E+22	1,912039E+22	2,082048E+22	2,313416E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2028	2,488046E+22	2,559118E+22	2,563689E+22	2,563664E+22	2,559038E+22	2,487938E+22	2,313331E+22	2,082008E+22	1,912037E+22	1,912063E+22	2,082055E+22	2,313343E+22
-2027	2,487902E+22	2,558953E+22	2,563552E+22	2,563606E+22	2,559054E+22	2,487993E+22	2,313400E+22	2,082075E+22	1,912079E+22	1,912068E+22	2,082040E+22	2,313344E+22
-2026	2,487943E+22	2,559057E+22	2,563664E+22	2,563672E+22	2,559090E+22	2,488003E+22	2,313384E+22	2,082055E+22	1,912076E+22	1,912089E+22	2,082103E+22	2,313451E+22
-2025	2,488026E+22	2,559065E+22	2,563633E+22	2,563627E+22	2,559048E+22	2,487991E+22	2,313404E+22	2,082076E+22	1,912080E+22	1,912067E+22	2,082029E+22	2,313331E+22
-2024	2,487911E+22	2,558963E+22	2,563557E+22	2,563582E+22	2,559017E+22	2,487979E+22	2,313424E+22	2,082120E+22	1,912124E+22	1,912099E+22	2,082057E+22	2,313367E+22
-2023	2,487995E+22	2,559115E+22	2,563693E+22	2,563662E+22	2,559039E+22	2,487947E+22	2,313365E+22	2,082071E+22	1,912098E+22	1,912106E+22	2,082098E+22	2,313403E+22
-2022	2,487952E+22	2,559006E+22	2,563593E+22	2,563600E+22	2,559029E+22	2,487970E+22	2,313383E+22	2,082065E+22	1,912078E+22	1,912065E+22	2,082023E+22	2,313314E+22
-2021	2,487882E+22	2,558971E+22	2,563606E+22	2,563623E+22	2,559031E+22	2,487954E+22	2,313359E+22	2,082037E+22	1,912052E+22	1,912059E+22	2,082066E+22	2,313426E+22
-2020	2,488050E+22	2,559108E+22	2,563661E+22	2,563649E+22	2,559047E+22	2,487950E+22	2,313327E+22	2,081979E+22	1,911990E+22	1,912022E+22	2,082048E+22	2,313371E+22
-2019	2,487936E+22	2,558973E+22	2,563527E+22	2,563551E+22	2,559017E+22	2,487980E+22	2,313386E+22	2,082028E+22	1,911992E+22	1,911964E+22	2,081961E+22	2,313308E+22
-2018	2,487927E+22	2,559049E+22	2,563648E+22	2,563631E+22	2,559044E+22	2,487969E+22	2,313352E+22	2,081998E+22	1,911978E+22	1,911969E+22	2,081997E+22	2,313396E+22
-2017	2,488027E+22	2,559088E+22	2,563659E+22	2,563642E+22	2,559037E+22	2,487953E+22	2,313338E+22	2,081979E+22	1,911963E+22	1,911957E+22	2,081950E+22	2,313279E+22
-2016	2,487882E+22	2,558938E+22	2,563524E+22	2,563571E+22	2,559025E+22	2,487969E+22	2,313367E+22	2,082014E+22	1,911991E+22	1,911979E+22	2,081979E+22	2,313312E+22
-2015	2,487934E+22	2,559061E+22	2,563652E+22	2,563646E+22	2,559060E+22	2,487969E+22	2,313341E+22	2,081985E+22	1,911973E+22	1,911990E+22	2,082036E+22	2,313404E+22
-2014	2,487967E+22	2,558998E+22	2,563565E+22	2,563577E+22	2,559030E+22	2,487983E+22	2,313374E+22	2,082008E+22	1,911983E+22	1,911972E+22	2,081968E+22	2,313306E+22
-2013	2,487891E+22	2,558947E+22	2,563547E+22	2,563566E+22	2,559002E+22	2,487954E+22	2,313370E+22	2,082033E+22	1,912020E+22	1,912008E+22	2,082013E+22	2,313387E+22
-2012	2,488044E+22	2,559129E+22	2,563673E+22	2,563637E+22	2,559021E+22	2,487933E+22	2,313333E+22	2,082005E+22	1,912022E+22	1,912046E+22	2,082056E+22	2,313374E+22
-2011	2,487944E+22	2,559000E+22	2,563565E+22	2,563567E+22	2,559001E+22	2,487951E+22	2,313379E+22	2,082065E+22	1,912071E+22	1,912053E+22	2,082015E+22	2,313307E+22
-2010	2,487889E+22	2,559013E+22	2,563650E+22	2,563655E+22	2,559056E+22	2,487963E+22	2,313360E+22	2,082056E+22	1,912091E+22	1,912098E+22	2,082090E+22	2,313433E+22
-2009	2,488034E+22	2,559095E+22	2,563683E+22	2,563682E+22	2,559072E+22	2,487973E+22	2,313363E+22	2,082048E+22	1,912090E+22	1,912110E+22	2,082083E+22	2,313366E+22
-2008	2,487919E+22	2,558951E+22	2,563530E+22	2,563573E+22	2,559032E+22	2,487992E+22	2,313424E+22	2,082120E+22	1,912136E+22	1,912121E+22	2,082075E+22	2,313361E+22
-2007	2,487950E+22	2,559070E+22	2,563676E+22	2,563660E+22	2,559056E+22	2,487981E+22	2,313408E+22	2,082121E+22	1,912148E+22	1,912140E+22	2,082119E+22	2,313444E+22
-2006	2,488014E+22	2,559061E+22	2,563640E+22	2,563628E+22	2,559032E+22	2,487974E+22	2,313412E+22	2,082125E+22	1,912160E+22	1,912142E+22	2,082064E+22	2,313321E+22
-2005	2,487882E+22	2,558958E+22	2,563582E+22	2,563600E+22	2,559011E+22	2,487951E+22	2,313400E+22	2,082130E+22	1,912171E+22	1,912158E+22	2,082100E+22	2,313383E+22
-2004	2,487989E+22	2,559109E+22	2,563706E+22	2,563681E+22	2,559056E+22	2,487949E+22	2,313353E+22	2,082064E+22	1,912124E+22	1,912159E+22	2,082146E+22	2,313426E+22
-2003	2,487950E+22	2,558988E+22	2,563575E+22	2,563587E+22	2,559021E+22	2,487970E+22	2,313394E+22	2,082087E+22	1,912112E+22	1,912106E+22	2,082061E+22	2,313342E+22
-2002	2,487893E+22	2,558966E+22	2,563593E+22	2,563622E+22	2,559048E+22	2,487971E+22	2,313374E+22	2,082060E+22	1,912080E+22	1,912079E+22	2,082069E+22	2,313427E+22
-2001	2,488060E+22	2,559119E+22	2,563669E+22	2,563652E+22	2,559054E+22	2,487965E+22	2,313354E+22	2,082023E+22	1,912039E+22	1,912049E+22	2,082042E+22	2,313359E+22
-2000	2,487941E+22	2,558988E+22	2,563539E+22	2,563538E+22	2,558989E+22	2,487959E+22	2,313390E+22	2,082064E+22	1,912051E+22	1,912022E+22	2,081990E+22	2,313302E+22
-1999	2,487902E+22	2,559037E+22	2,563667E+22	2,563650E+22	2,559034E+22	2,487945E+22	2,313357E+22	2,082042E+22	1,912041E+22	1,912030E+22	2,082030E+22	2,313393E+22
-1998	2,487994E+22	2,559048E+22	2,563642E+22	2,563648E+22	2,559053E+22	2,487964E+22	2,313349E+22	2,082013E+22	1,912025E+22	1,912030E+22	2,082004E+22	2,313299E+22
-1997	2,487869E+22	2,558922E+22	2,563520E+22	2,563559E+22	2,559014E+22	2,487963E+22	2,313368E+22	2,082030E+22	1,912026E+22	1,912025E+22	2,082020E+22	2,313348E+22
-1996	2,487960E+22	2,559068E+22	2,563650E+22	2,563632E+22	2,559046E+22	2,487964E+22	2,313350E+22	2,082006E+22	1,912016E+22	1,912040E+22	2,082067E+22	2,313416E+22
-1995	2,487983E+22	2,559015E+22	2,563570E+22	2,563556E+22	2,558994E+22	2,487960E+22	2,313384E+22	2,082056E+22	1,912054E+22	1,912036E+22	2,082001E+22	2,313312E+22
-1994	2,487890E+22	2,558960E+22	2,563575E+22	2,563592E+22	2,559011E+22	2,487942E+22	2,313364E+22	2,082064E+22	1,912083E+22	1,912068E+22	2,082037E+22	2,313378E+22
-1993	2,488025E+22	2,559125E+22	2,563701E+22	2,563681E+22	2,559058E+22	2,487946E+22	2,313342E+22	2,082041E+22	1,912087E+22	1,912109E+22	2,082092E+22	2,313383E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1992	2,487939E+22	2,558993E+22	2,563569E+22	2,563574E+22	2,559010E+22	2,487958E+22	2,313388E+22	2,082094E+22	1,912128E+22	1,912124E+22	2,082074E+22	2,313337E+22
-1991	2,487882E+22	2,558994E+22	2,563649E+22	2,563659E+22	2,559053E+22	2,487970E+22	2,313397E+22	2,082113E+22	1,912150E+22	1,912149E+22	2,082119E+22	2,313444E+22
-1990	2,488030E+22	2,559075E+22	2,563664E+22	2,563673E+22	2,559076E+22	2,487992E+22	2,313403E+22	2,082111E+22	1,912165E+22	1,912175E+22	2,082116E+22	2,313369E+22
-1989	2,487915E+22	2,558965E+22	2,563546E+22	2,563556E+22	2,559001E+22	2,487972E+22	2,313431E+22	2,082159E+22	1,912199E+22	1,912178E+22	2,082103E+22	2,313364E+22
-1988	2,487948E+22	2,559074E+22	2,563696E+22	2,563666E+22	2,559039E+22	2,487958E+22	2,313401E+22	2,082144E+22	1,912211E+22	1,912216E+22	2,082161E+22	2,313440E+22
-1987	2,487993E+22	2,559043E+22	2,563639E+22	2,563629E+22	2,559020E+22	2,487949E+22	2,313401E+22	2,082153E+22	1,912224E+22	1,912220E+22	2,082127E+22	2,313346E+22
-1986	2,487872E+22	2,558934E+22	2,563568E+22	2,563613E+22	2,559035E+22	2,487955E+22	2,313388E+22	2,082132E+22	1,912200E+22	1,912199E+22	2,082136E+22	2,313409E+22
-1985	2,487999E+22	2,559098E+22	2,563697E+22	2,563685E+22	2,559072E+22	2,487970E+22	2,313373E+22	2,082085E+22	1,912149E+22	1,912179E+22	2,082161E+22	2,313452E+22
-1984	2,487983E+22	2,559004E+22	2,563571E+22	2,563559E+22	2,558992E+22	2,487958E+22	2,313403E+22	2,082113E+22	1,912143E+22	1,912132E+22	2,082076E+22	2,313349E+22
-1983	2,487904E+22	2,558987E+22	2,563621E+22	2,563623E+22	2,559018E+22	2,487952E+22	2,313396E+22	2,082111E+22	1,912129E+22	1,912106E+22	2,082063E+22	2,313398E+22
-1982	2,488037E+22	2,559114E+22	2,563688E+22	2,563673E+22	2,559061E+22	2,487965E+22	2,313368E+22	2,082066E+22	1,912106E+22	1,912111E+22	2,082064E+22	2,313333E+22
-1981	2,487902E+22	2,558980E+22	2,563563E+22	2,563557E+22	2,558995E+22	2,487951E+22	2,313382E+22	2,082080E+22	1,912097E+22	1,912079E+22	2,082030E+22	2,313310E+22
-1980	2,487886E+22	2,559011E+22	2,563664E+22	2,563661E+22	2,559050E+22	2,487960E+22	2,313363E+22	2,082055E+22	1,912085E+22	1,912095E+22	2,082080E+22	2,313410E+22
-1979	2,487985E+22	2,559018E+22	2,563613E+22	2,563626E+22	2,559038E+22	2,487964E+22	2,313372E+22	2,082056E+22	1,912083E+22	1,912091E+22	2,082056E+22	2,313333E+22
-1978	2,487883E+22	2,558912E+22	2,563501E+22	2,563551E+22	2,559016E+22	2,487964E+22	2,313380E+22	2,082065E+22	1,912077E+22	1,912069E+22	2,082043E+22	2,313360E+22
-1977	2,487980E+22	2,559088E+22	2,563666E+22	2,563632E+22	2,559036E+22	2,487962E+22	2,313368E+22	2,082054E+22	1,912080E+22	1,912090E+22	2,082089E+22	2,313422E+22
-1976	2,487993E+22	2,559033E+22	2,563593E+22	2,563555E+22	2,558964E+22	2,487924E+22	2,313375E+22	2,082088E+22	1,912121E+22	1,912112E+22	2,082053E+22	2,313322E+22
-1975	2,487877E+22	2,558958E+22	2,563605E+22	2,563623E+22	2,559011E+22	2,487927E+22	2,313369E+22	2,082102E+22	1,912144E+22	1,912134E+22	2,082080E+22	2,313383E+22
-1974	2,488005E+22	2,559096E+22	2,563693E+22	2,563697E+22	2,559084E+22	2,487970E+22	2,313360E+22	2,082074E+22	1,912147E+22	1,912178E+22	2,082141E+22	2,313396E+22
-1973	2,487929E+22	2,558984E+22	2,563569E+22	2,563568E+22	2,559006E+22	2,487964E+22	2,313404E+22	2,082122E+22	1,912169E+22	1,912168E+22	2,082108E+22	2,313361E+22
-1972	2,487900E+22	2,558995E+22	2,563647E+22	2,563653E+22	2,559045E+22	2,487974E+22	2,313416E+22	2,082151E+22	1,912208E+22	1,912205E+22	2,082144E+22	2,313439E+22
-1971	2,488025E+22	2,559075E+22	2,563664E+22	2,563654E+22	2,559042E+22	2,487971E+22	2,313421E+22	2,082171E+22	1,912245E+22	1,912246E+22	2,082155E+22	2,313371E+22
-1970	2,487903E+22	2,558958E+22	2,563557E+22	2,563577E+22	2,559007E+22	2,487956E+22	2,313425E+22	2,082190E+22	1,912262E+22	1,912242E+22	2,082138E+22	2,313364E+22
-1969	2,487935E+22	2,559066E+22	2,563705E+22	2,563687E+22	2,559055E+22	2,487962E+22	2,313406E+22	2,082171E+22	1,912263E+22	1,912272E+22	2,082203E+22	2,313462E+22
-1968	2,487997E+22	2,559036E+22	2,563633E+22	2,563619E+22	2,559007E+22	2,487940E+22	2,313400E+22	2,082168E+22	1,912262E+22	1,912273E+22	2,082180E+22	2,313381E+22
-1967	2,487885E+22	2,558932E+22	2,563572E+22	2,563615E+22	2,559023E+22	2,487953E+22	2,313412E+22	2,082168E+22	1,912233E+22	1,912225E+22	2,082150E+22	2,313416E+22
-1966	2,488007E+22	2,559098E+22	2,563689E+22	2,563683E+22	2,559076E+22	2,487983E+22	2,313400E+22	2,082129E+22	1,912200E+22	1,912217E+22	2,082172E+22	2,313437E+22
-1965	2,487977E+22	2,559031E+22	2,563603E+22	2,563561E+22	2,558971E+22	2,487942E+22	2,313407E+22	2,082141E+22	1,912187E+22	1,912169E+22	2,082088E+22	2,313337E+22
-1964	2,487892E+22	2,558988E+22	2,563646E+22	2,563648E+22	2,559018E+22	2,487939E+22	2,313391E+22	2,082133E+22	1,912186E+22	1,912172E+22	2,082093E+22	2,313376E+22
-1963	2,487995E+22	2,559081E+22	2,563680E+22	2,563682E+22	2,559063E+22	2,487959E+22	2,313372E+22	2,082099E+22	1,912168E+22	1,912185E+22	2,082124E+22	2,313354E+22
-1962	2,487883E+22	2,558941E+22	2,563537E+22	2,563566E+22	2,559018E+22	2,487963E+22	2,313386E+22	2,082094E+22	1,912134E+22	1,912128E+22	2,082073E+22	2,313338E+22
-1961	2,487895E+22	2,558995E+22	2,563638E+22	2,563647E+22	2,559051E+22	2,487977E+22	2,313391E+22	2,082090E+22	1,912125E+22	1,912129E+22	2,082111E+22	2,313442E+22
-1960	2,488018E+22	2,559034E+22	2,563603E+22	2,563590E+22	2,558995E+22	2,487940E+22	2,313378E+22	2,082092E+22	1,912135E+22	1,912140E+22	2,082093E+22	2,313355E+22
-1959	2,487903E+22	2,558938E+22	2,563529E+22	2,563551E+22	2,558978E+22	2,487932E+22	2,313390E+22	2,082110E+22	1,912134E+22	1,912114E+22	2,082056E+22	2,313347E+22
-1958	2,487967E+22	2,559091E+22	2,563690E+22	2,563663E+22	2,559045E+22	2,487954E+22	2,313371E+22	2,082091E+22	1,912148E+22	1,912161E+22	2,082127E+22	2,313410E+22
-1957	2,487969E+22	2,559041E+22	2,563628E+22	2,563585E+22	2,558975E+22	2,487918E+22	2,313365E+22	2,082100E+22	1,912163E+22	1,912168E+22	2,082099E+22	2,313337E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \ominus	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1956	2,487868E+22	2,558943E+22	2,563611E+22	2,563644E+22	2,559033E+22	2,487947E+22	2,313383E+22	2,082125E+22	1,912194E+22	1,912197E+22	2,082121E+22	2,313389E+22
-1955	2,487989E+22	2,559070E+22	2,563673E+22	2,563688E+22	2,559084E+22	2,487985E+22	2,313399E+22	2,082134E+22	1,912216E+22	1,912242E+22	2,082185E+22	2,313417E+22
-1954	2,487935E+22	2,558972E+22	2,563551E+22	2,563565E+22	2,559011E+22	2,487971E+22	2,313429E+22	2,082175E+22	1,912237E+22	1,912222E+22	2,082129E+22	2,313361E+22
-1953	2,487905E+22	2,559003E+22	2,563650E+22	2,563648E+22	2,559031E+22	2,487972E+22	2,313443E+22	2,082211E+22	1,912285E+22	1,912267E+22	2,082177E+22	2,313443E+22
-1952	2,488018E+22	2,559078E+22	2,563673E+22	2,563648E+22	2,559007E+22	2,487929E+22	2,313410E+22	2,082208E+22	1,912320E+22	1,912330E+22	2,082218E+22	2,313393E+22
-1951	2,487892E+22	2,558948E+22	2,563569E+22	2,563592E+22	2,558995E+22	2,487935E+22	2,313423E+22	2,082217E+22	1,912314E+22	1,912303E+22	2,082185E+22	2,313382E+22
-1950	2,487927E+22	2,559047E+22	2,563695E+22	2,563695E+22	2,559067E+22	2,487972E+22	2,313415E+22	2,082192E+22	1,912306E+22	1,912326E+22	2,082247E+22	2,313480E+22
-1949	2,488004E+22	2,559052E+22	2,563641E+22	2,563614E+22	2,558995E+22	2,487933E+22	2,313402E+22	2,082179E+22	1,912283E+22	1,912296E+22	2,082199E+22	2,313400E+22
-1948	2,487908E+22	2,558954E+22	2,563588E+22	2,563620E+22	2,559019E+22	2,487951E+22	2,313419E+22	2,082193E+22	1,912275E+22	1,912260E+22	2,082153E+22	2,313393E+22
-1947	2,487991E+22	2,559103E+22	2,563703E+22	2,563686E+22	2,559062E+22	2,487973E+22	2,313416E+22	2,082177E+22	1,912264E+22	1,912269E+22	2,082192E+22	2,313423E+22
-1946	2,487948E+22	2,559011E+22	2,563611E+22	2,563601E+22	2,558999E+22	2,487941E+22	2,313408E+22	2,082168E+22	1,912239E+22	1,912220E+22	2,082113E+22	2,313329E+22
-1945	2,487868E+22	2,558965E+22	2,563638E+22	2,563666E+22	2,559044E+22	2,487961E+22	2,313411E+22	2,082165E+22	1,912233E+22	1,912221E+22	2,082139E+22	2,313399E+22
-1944	2,487982E+22	2,559052E+22	2,563652E+22	2,563659E+22	2,559045E+22	2,487953E+22	2,313382E+22	2,082126E+22	1,912212E+22	1,912240E+22	2,082182E+22	2,313396E+22
-1943	2,487896E+22	2,558932E+22	2,563522E+22	2,563548E+22	2,558992E+22	2,487956E+22	2,313413E+22	2,082136E+22	1,912177E+22	1,912165E+22	2,082099E+22	2,313355E+22
-1942	2,487913E+22	2,559005E+22	2,563628E+22	2,563627E+22	2,559030E+22	2,487968E+22	2,313406E+22	2,082134E+22	1,912185E+22	1,912181E+22	2,082134E+22	2,313436E+22
-1941	2,488021E+22	2,559073E+22	2,563635E+22	2,563586E+22	2,558959E+22	2,487903E+22	2,313366E+22	2,082115E+22	1,912183E+22	1,912189E+22	2,082119E+22	2,313357E+22
-1940	2,487901E+22	2,558953E+22	2,563565E+22	2,563589E+22	2,558984E+22	2,487910E+22	2,313369E+22	2,082127E+22	1,912194E+22	1,912182E+22	2,082092E+22	2,313336E+22
-1939	2,487935E+22	2,559068E+22	2,563691E+22	2,563683E+22	2,559059E+22	2,487955E+22	2,313376E+22	2,082123E+22	1,912209E+22	1,912230E+22	2,082181E+22	2,313432E+22
-1938	2,487954E+22	2,559008E+22	2,563614E+22	2,563611E+22	2,559010E+22	2,487940E+22	2,313382E+22	2,082127E+22	1,912206E+22	1,912214E+22	2,082133E+22	2,313357E+22
-1937	2,487876E+22	2,558936E+22	2,563594E+22	2,563638E+22	2,559039E+22	2,487972E+22	2,313428E+22	2,082181E+22	1,912250E+22	1,912237E+22	2,082149E+22	2,313404E+22
-1936	2,487993E+22	2,559077E+22	2,563665E+22	2,563659E+22	2,559044E+22	2,487965E+22	2,313419E+22	2,082193E+22	1,912293E+22	1,912307E+22	2,082223E+22	2,313428E+22
-1935	2,487935E+22	2,558985E+22	2,563572E+22	2,563566E+22	2,558977E+22	2,487946E+22	2,313447E+22	2,082233E+22	1,912317E+22	1,912291E+22	2,082159E+22	2,313352E+22
-1934	2,487886E+22	2,558997E+22	2,563659E+22	2,563666E+22	2,559035E+22	2,487960E+22	2,313444E+22	2,082253E+22	1,912365E+22	1,912353E+22	2,082230E+22	2,313443E+22
-1933	2,487999E+22	2,559085E+22	2,563690E+22	2,563661E+22	2,559007E+22	2,487915E+22	2,313396E+22	2,082217E+22	1,912362E+22	1,912389E+22	2,082275E+22	2,313429E+22
-1932	2,487899E+22	2,558945E+22	2,563576E+22	2,563610E+22	2,559008E+22	2,487939E+22	2,313420E+22	2,082230E+22	1,912354E+22	1,912353E+22	2,082220E+22	2,313398E+22
-1931	2,487927E+22	2,559037E+22	2,563684E+22	2,563691E+22	2,559067E+22	2,487979E+22	2,313439E+22	2,082235E+22	1,912356E+22	1,912368E+22	2,082277E+22	2,313500E+22
-1930	2,488015E+22	2,559052E+22	2,563642E+22	2,563629E+22	2,559008E+22	2,487940E+22	2,313419E+22	2,082214E+22	1,912327E+22	1,912327E+22	2,082203E+22	2,313388E+22
-1929	2,487904E+22	2,558966E+22	2,563602E+22	2,563630E+22	2,559019E+22	2,487957E+22	2,313446E+22	2,082242E+22	1,912332E+22	1,912303E+22	2,082173E+22	2,313383E+22
-1928	2,487960E+22	2,559090E+22	2,563707E+22	2,563689E+22	2,559047E+22	2,487949E+22	2,313413E+22	2,082212E+22	1,912328E+22	1,912338E+22	2,082243E+22	2,313437E+22
-1927	2,487928E+22	2,558986E+22	2,563601E+22	2,563600E+22	2,558993E+22	2,487937E+22	2,313417E+22	2,082195E+22	1,912284E+22	1,912271E+22	2,082151E+22	2,313346E+22
-1926	2,487857E+22	2,558935E+22	2,563602E+22	2,563649E+22	2,559045E+22	2,487971E+22	2,313428E+22	2,082193E+22	1,912277E+22	1,912271E+22	2,082179E+22	2,313420E+22
-1925	2,487994E+22	2,559069E+22	2,563646E+22	2,563632E+22	2,559011E+22	2,487930E+22	2,313380E+22	2,082143E+22	1,912239E+22	1,912267E+22	2,082207E+22	2,313423E+22
-1924	2,487924E+22	2,558961E+22	2,563538E+22	2,563543E+22	2,558967E+22	2,487928E+22	2,313400E+22	2,082159E+22	1,912227E+22	1,912206E+22	2,082108E+22	2,313342E+22
-1923	2,487902E+22	2,559020E+22	2,563653E+22	2,563639E+22	2,559015E+22	2,487943E+22	2,313405E+22	2,082171E+22	1,912249E+22	1,912240E+22	2,082164E+22	2,313434E+22
-1922	2,488003E+22	2,559065E+22	2,563658E+22	2,563638E+22	2,558993E+22	2,487899E+22	2,313357E+22	2,082132E+22	1,912230E+22	1,912240E+22	2,082146E+22	2,313354E+22
-1921	2,487883E+22	2,558945E+22	2,563572E+22	2,563619E+22	2,559020E+22	2,487941E+22	2,313396E+22	2,082162E+22	1,912242E+22	1,912231E+22	2,082134E+22	2,313353E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1920	2,487914E+22	2,559043E+22	2,563675E+22	2,563678E+22	2,559058E+22	2,487962E+22	2,313402E+22	2,082169E+22	1,912270E+22	1,912290E+22	2,082230E+22	2,313462E+22
-1919	2,487959E+22	2,558996E+22	2,563599E+22	2,563599E+22	2,558999E+22	2,487951E+22	2,313427E+22	2,082190E+22	1,912275E+22	1,912268E+22	2,082158E+22	2,313363E+22
-1918	2,487878E+22	2,558938E+22	2,563580E+22	2,563619E+22	2,559024E+22	2,487974E+22	2,313459E+22	2,082249E+22	1,912339E+22	1,912315E+22	2,082187E+22	2,313398E+22
-1917	2,487982E+22	2,559098E+22	2,563687E+22	2,563653E+22	2,559007E+22	2,487926E+22	2,313412E+22	2,082230E+22	1,912365E+22	1,912383E+22	2,082273E+22	2,313444E+22
-1916	2,487929E+22	2,558989E+22	2,563596E+22	2,563592E+22	2,558975E+22	2,487914E+22	2,313419E+22	2,082254E+22	1,912391E+22	1,912377E+22	2,082214E+22	2,313364E+22
-1915	2,487866E+22	2,558976E+22	2,563653E+22	2,563674E+22	2,559041E+22	2,487953E+22	2,313439E+22	2,082275E+22	1,912422E+22	1,912426E+22	2,082295E+22	2,313484E+22
-1914	2,488003E+22	2,559063E+22	2,563679E+22	2,563681E+22	2,559032E+22	2,487928E+22	2,313402E+22	2,082231E+22	1,912391E+22	1,912423E+22	2,082302E+22	2,313455E+22
-1913	2,487926E+22	2,558963E+22	2,563576E+22	2,563610E+22	2,559016E+22	2,487959E+22	2,313455E+22	2,082271E+22	1,912389E+22	1,912374E+22	2,082234E+22	2,313409E+22
-1912	2,487931E+22	2,559051E+22	2,563690E+22	2,563675E+22	2,559037E+22	2,487961E+22	2,313453E+22	2,082280E+22	1,912412E+22	1,912410E+22	2,082291E+22	2,313495E+22
-1911	2,488006E+22	2,559059E+22	2,563665E+22	2,563641E+22	2,558997E+22	2,487932E+22	2,313439E+22	2,082259E+22	1,912387E+22	1,912375E+22	2,082214E+22	2,313366E+22
-1910	2,487874E+22	2,558953E+22	2,563601E+22	2,563643E+22	2,559032E+22	2,487960E+22	2,313455E+22	2,082278E+22	1,912396E+22	1,912372E+22	2,082211E+22	2,313372E+22
-1909	2,487926E+22	2,559076E+22	2,563701E+22	2,563682E+22	2,559040E+22	2,487941E+22	2,313407E+22	2,082222E+22	1,912363E+22	1,912386E+22	2,082288E+22	2,313468E+22
-1908	2,487930E+22	2,558973E+22	2,563591E+22	2,563598E+22	2,558991E+22	2,487930E+22	2,313413E+22	2,082215E+22	1,912331E+22	1,912319E+22	2,082182E+22	2,313363E+22
-1907	2,487861E+22	2,558927E+22	2,563581E+22	2,563625E+22	2,559025E+22	2,487959E+22	2,313439E+22	2,082232E+22	1,912329E+22	1,912317E+22	2,082209E+22	2,313443E+22
-1906	2,488008E+22	2,559075E+22	2,563652E+22	2,563640E+22	2,559006E+22	2,487915E+22	2,313380E+22	2,082170E+22	1,912284E+22	1,912303E+22	2,082216E+22	2,313421E+22
-1905	2,487930E+22	2,558987E+22	2,563571E+22	2,563564E+22	2,558965E+22	2,487919E+22	2,313408E+22	2,082193E+22	1,912276E+22	1,912253E+22	2,082136E+22	2,313339E+22
-1904	2,487874E+22	2,559010E+22	2,563669E+22	2,563658E+22	2,559014E+22	2,487922E+22	2,313394E+22	2,082196E+22	1,912307E+22	1,912307E+22	2,082213E+22	2,313451E+22
-1903	2,487986E+22	2,559045E+22	2,563658E+22	2,563653E+22	2,559013E+22	2,487919E+22	2,313377E+22	2,082159E+22	1,912278E+22	1,912294E+22	2,082182E+22	2,313367E+22
-1902	2,487873E+22	2,558923E+22	2,563548E+22	2,563610E+22	2,559034E+22	2,487968E+22	2,313431E+22	2,082210E+22	1,912304E+22	1,912293E+22	2,082172E+22	2,313363E+22
-1901	2,487914E+22	2,559051E+22	2,563668E+22	2,563655E+22	2,559034E+22	2,487954E+22	2,313420E+22	2,082213E+22	1,912327E+22	1,912341E+22	2,082260E+22	2,313481E+22
-1900	2,487973E+22	2,559015E+22	2,563613E+22	2,563596E+22	2,558978E+22	2,487925E+22	2,313426E+22	2,082240E+22	1,912360E+22	1,912339E+22	2,082185E+22	2,313354E+22
-1899	2,487860E+22	2,558936E+22	2,563592E+22	2,563623E+22	2,559008E+22	2,487949E+22	2,313462E+22	2,082299E+22	1,912425E+22	1,912402E+22	2,082242E+22	2,313416E+22
-1898	2,487969E+22	2,559080E+22	2,563700E+22	2,563690E+22	2,559028E+22	2,487917E+22	2,313402E+22	2,082250E+22	1,912421E+22	1,912449E+22	2,082321E+22	2,313466E+22
-1897	2,487929E+22	2,558987E+22	2,563603E+22	2,563609E+22	2,558996E+22	2,487932E+22	2,313437E+22	2,082281E+22	1,912431E+22	1,912427E+22	2,082266E+22	2,313397E+22
-1896	2,487865E+22	2,558966E+22	2,563648E+22	2,563670E+22	2,559035E+22	2,487951E+22	2,313453E+22	2,082309E+22	1,912471E+22	1,912475E+22	2,082335E+22	2,313516E+22
-1895	2,488025E+22	2,559072E+22	2,563677E+22	2,563670E+22	2,559026E+22	2,487940E+22	2,313435E+22	2,082276E+22	1,912441E+22	1,912457E+22	2,082306E+22	2,313446E+22
-1894	2,487926E+22	2,558975E+22	2,563581E+22	2,563602E+22	2,559009E+22	2,487965E+22	2,313483E+22	2,082328E+22	1,912461E+22	1,912431E+22	2,082247E+22	2,313382E+22
-1893	2,487906E+22	2,559062E+22	2,563716E+22	2,563682E+22	2,559016E+22	2,487932E+22	2,313448E+22	2,082312E+22	1,912471E+22	1,912467E+22	2,082320E+22	2,313493E+22
-1892	2,487982E+22	2,559044E+22	2,563676E+22	2,563662E+22	2,559003E+22	2,487910E+22	2,313416E+22	2,082280E+22	1,912451E+22	1,912444E+22	2,082255E+22	2,313368E+22
-1891	2,487842E+22	2,558915E+22	2,563578E+22	2,563632E+22	2,559033E+22	2,487962E+22	2,313459E+22	2,082299E+22	1,912444E+22	1,912434E+22	2,082268E+22	2,313412E+22
-1890	2,487928E+22	2,559044E+22	2,563678E+22	2,563679E+22	2,559043E+22	2,487942E+22	2,313412E+22	2,082234E+22	1,912386E+22	1,912414E+22	2,082310E+22	2,313494E+22
-1889	2,487958E+22	2,558992E+22	2,563591E+22	2,563583E+22	2,558978E+22	2,487931E+22	2,313431E+22	2,082245E+22	1,912360E+22	1,912343E+22	2,082200E+22	2,313375E+22
-1888	2,487868E+22	2,558944E+22	2,563599E+22	2,563615E+22	2,558992E+22	2,487926E+22	2,313432E+22	2,082262E+22	1,912382E+22	1,912363E+22	2,082230E+22	2,313446E+22
-1887	2,488008E+22	2,559087E+22	2,563680E+22	2,563658E+22	2,559005E+22	2,487908E+22	2,313386E+22	2,082198E+22	1,912336E+22	1,912351E+22	2,082231E+22	2,313404E+22
-1886	2,487907E+22	2,558980E+22	2,563584E+22	2,563591E+22	2,558996E+22	2,487936E+22	2,313420E+22	2,082225E+22	1,912334E+22	1,912318E+22	2,082174E+22	2,313335E+22
-1885	2,487849E+22	2,558998E+22	2,563671E+22	2,563664E+22	2,559022E+22	2,487931E+22	2,313405E+22	2,082217E+22	1,912348E+22	1,912356E+22	2,082253E+22	2,313476E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1884	2,487987E+22	2,559031E+22	2,563653E+22	2,563657E+22	2,559021E+22	2,487926E+22	2,313392E+22	2,082202E+22	1,912343E+22	1,912351E+22	2,082213E+22	2,313378E+22
-1883	2,487871E+22	2,558913E+22	2,563529E+22	2,563583E+22	2,559019E+22	2,487971E+22	2,313463E+22	2,082272E+22	1,912383E+22	1,912363E+22	2,082214E+22	2,313382E+22
-1882	2,487915E+22	2,559041E+22	2,563670E+22	2,563655E+22	2,559020E+22	2,487941E+22	2,313431E+22	2,082260E+22	1,912400E+22	1,912406E+22	2,082288E+22	2,313483E+22
-1881	2,487975E+22	2,559031E+22	2,563640E+22	2,563611E+22	2,558970E+22	2,487910E+22	2,313432E+22	2,082285E+22	1,912430E+22	1,912416E+22	2,082242E+22	2,313371E+22
-1880	2,487841E+22	2,558922E+22	2,563598E+22	2,563629E+22	2,558995E+22	2,487917E+22	2,313442E+22	2,082323E+22	1,912491E+22	1,912482E+22	2,082307E+22	2,313453E+22
-1879	2,487972E+22	2,559067E+22	2,563696E+22	2,563690E+22	2,559035E+22	2,487930E+22	2,313414E+22	2,082271E+22	1,912464E+22	1,912502E+22	2,082360E+22	2,313488E+22
-1878	2,487941E+22	2,558989E+22	2,563601E+22	2,563606E+22	2,559001E+22	2,487948E+22	2,313463E+22	2,082319E+22	1,912480E+22	1,912474E+22	2,082290E+22	2,313401E+22
-1877	2,487875E+22	2,558989E+22	2,563659E+22	2,563657E+22	2,559012E+22	2,487938E+22	2,313463E+22	2,082342E+22	1,912516E+22	1,912510E+22	2,082344E+22	2,313514E+22
-1876	2,488030E+22	2,559093E+22	2,563708E+22	2,563686E+22	2,559019E+22	2,487921E+22	2,313433E+22	2,082320E+22	1,912515E+22	1,912513E+22	2,082316E+22	2,313418E+22
-1875	2,487892E+22	2,558963E+22	2,563594E+22	2,563616E+22	2,559011E+22	2,487957E+22	2,313491E+22	2,082371E+22	1,912535E+22	1,912506E+22	2,082290E+22	2,313382E+22
-1874	2,487871E+22	2,559018E+22	2,563714E+22	2,563712E+22	2,559041E+22	2,487938E+22	2,313448E+22	2,082331E+22	1,912517E+22	1,912523E+22	2,082359E+22	2,313504E+22
-1873	2,487972E+22	2,559025E+22	2,563669E+22	2,563666E+22	2,559015E+22	2,487929E+22	2,313437E+22	2,082305E+22	1,912483E+22	1,912490E+22	2,082307E+22	2,313400E+22
-1872	2,487840E+22	2,558891E+22	2,563555E+22	2,563609E+22	2,559010E+22	2,487949E+22	2,313466E+22	2,082329E+22	1,912487E+22	1,912477E+22	2,082307E+22	2,313449E+22
-1871	2,487959E+22	2,559053E+22	2,563667E+22	2,563651E+22	2,559024E+22	2,487946E+22	2,313432E+22	2,082267E+22	1,912428E+22	1,912447E+22	2,082320E+22	2,313492E+22
-1870	2,487971E+22	2,559015E+22	2,563610E+22	2,563578E+22	2,558962E+22	2,487923E+22	2,313444E+22	2,082284E+22	1,912419E+22	1,912396E+22	2,082216E+22	2,313357E+22
-1869	2,487858E+22	2,558962E+22	2,563631E+22	2,563631E+22	2,558978E+22	2,487897E+22	2,313416E+22	2,082278E+22	1,912427E+22	1,912415E+22	2,082260E+22	2,313447E+22
-1868	2,487995E+22	2,559080E+22	2,563700E+22	2,563690E+22	2,559027E+22	2,487899E+22	2,313367E+22	2,082216E+22	1,912392E+22	1,912410E+22	2,082266E+22	2,313405E+22
-1867	2,487882E+22	2,558948E+22	2,563568E+22	2,563591E+22	2,559012E+22	2,487957E+22	2,313442E+22	2,082258E+22	1,912387E+22	1,912378E+22	2,082224E+22	2,313367E+22
-1866	2,487848E+22	2,558963E+22	2,563654E+22	2,563667E+22	2,559029E+22	2,487946E+22	2,313431E+22	2,082255E+22	1,912391E+22	1,912395E+22	2,082275E+22	2,313487E+22
-1865	2,488003E+22	2,559043E+22	2,563654E+22	2,563642E+22	2,559005E+22	2,487930E+22	2,313425E+22	2,082256E+22	1,912399E+22	1,912400E+22	2,082246E+22	2,313384E+22
-1864	2,487864E+22	2,558917E+22	2,563542E+22	2,563571E+22	2,558979E+22	2,487936E+22	2,313463E+22	2,082321E+22	1,912464E+22	1,912439E+22	2,082257E+22	2,313394E+22
-1863	2,487917E+22	2,559045E+22	2,563685E+22	2,563658E+22	2,559011E+22	2,487930E+22	2,313432E+22	2,082293E+22	1,912469E+22	1,912480E+22	2,082328E+22	2,313480E+22
-1862	2,487961E+22	2,559024E+22	2,563648E+22	2,563626E+22	2,558984E+22	2,487914E+22	2,313437E+22	2,082315E+22	1,912495E+22	1,912494E+22	2,082294E+22	2,313383E+22
-1861	2,487837E+22	2,558920E+22	2,563607E+22	2,563637E+22	2,558995E+22	2,487913E+22	2,313442E+22	2,082339E+22	1,912531E+22	1,912533E+22	2,082352E+22	2,313486E+22
-1860	2,487989E+22	2,559068E+22	2,563703E+22	2,563701E+22	2,559041E+22	2,487925E+22	2,313421E+22	2,082311E+22	1,912525E+22	1,912550E+22	2,082381E+22	2,313491E+22
-1859	2,487941E+22	2,558990E+22	2,563602E+22	2,563598E+22	2,558997E+22	2,487957E+22	2,313493E+22	2,082374E+22	1,912550E+22	1,912534E+22	2,082320E+22	2,313404E+22
-1858	2,487865E+22	2,558979E+22	2,563677E+22	2,563677E+22	2,559008E+22	2,487933E+22	2,313478E+22	2,082385E+22	1,912578E+22	1,912564E+22	2,082362E+22	2,313495E+22
-1857	2,488010E+22	2,559093E+22	2,563730E+22	2,563709E+22	2,559025E+22	2,487919E+22	2,313445E+22	2,082358E+22	1,912572E+22	1,912581E+22	2,082368E+22	2,313423E+22
-1856	2,487857E+22	2,558927E+22	2,563583E+22	2,563615E+22	2,559004E+22	2,487942E+22	2,313483E+22	2,082395E+22	1,912593E+22	1,912578E+22	2,082353E+22	2,313420E+22
-1855	2,487875E+22	2,558988E+22	2,563680E+22	2,563686E+22	2,559039E+22	2,487957E+22	2,313465E+22	2,082350E+22	1,912552E+22	1,912566E+22	2,082394E+22	2,313527E+22
-1854	2,487990E+22	2,559023E+22	2,563650E+22	2,563644E+22	2,559003E+22	2,487934E+22	2,313460E+22	2,082340E+22	1,912525E+22	1,912528E+22	2,082329E+22	2,313412E+22
-1853	2,487866E+22	2,558920E+22	2,563564E+22	2,563589E+22	2,558971E+22	2,487917E+22	2,313460E+22	2,082349E+22	1,912520E+22	1,912505E+22	2,082318E+22	2,313453E+22
-1852	2,487975E+22	2,559083E+22	2,563706E+22	2,563671E+22	2,559008E+22	2,487911E+22	2,313416E+22	2,082296E+22	1,912486E+22	1,912492E+22	2,082330E+22	2,313469E+22
-1851	2,487948E+22	2,559015E+22	2,563635E+22	2,563605E+22	2,558973E+22	2,487919E+22	2,313445E+22	2,082311E+22	1,912473E+22	1,912457E+22	2,082256E+22	2,313358E+22
-1850	2,487828E+22	2,558929E+22	2,563641E+22	2,563668E+22	2,559008E+22	2,487913E+22	2,313424E+22	2,082294E+22	1,912462E+22	1,912457E+22	2,082288E+22	2,313447E+22
-1849	2,487984E+22	2,559068E+22	2,563702E+22	2,563705E+22	2,559049E+22	2,487931E+22	2,313403E+22	2,082251E+22	1,912428E+22	1,912455E+22	2,082309E+22	2,313424E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1848	2,487875E+22	2,558923E+22	2,563545E+22	2,563571E+22	2,558992E+22	2,487952E+22	2,313465E+22	2,082308E+22	1,912450E+22	1,912434E+22	2,082262E+22	2,313391E+22
-1847	2,487865E+22	2,558958E+22	2,563631E+22	2,563632E+22	2,559008E+22	2,487954E+22	2,313462E+22	2,082308E+22	1,912460E+22	1,912452E+22	2,082297E+22	2,313478E+22
-1846	2,488000E+22	2,559055E+22	2,563670E+22	2,563638E+22	2,558981E+22	2,487913E+22	2,313440E+22	2,082311E+22	1,912483E+22	1,912481E+22	2,082286E+22	2,313379E+22
-1845	2,487853E+22	2,558921E+22	2,563563E+22	2,563582E+22	2,558954E+22	2,487892E+22	2,313438E+22	2,082341E+22	1,912526E+22	1,912516E+22	2,082314E+22	2,313416E+22
-1844	2,487915E+22	2,559040E+22	2,563699E+22	2,563683E+22	2,559019E+22	2,487908E+22	2,313409E+22	2,082312E+22	1,912532E+22	1,912552E+22	2,082381E+22	2,313500E+22
-1843	2,487955E+22	2,559008E+22	2,563642E+22	2,563629E+22	2,558993E+22	2,487927E+22	2,313452E+22	2,082342E+22	1,912544E+22	1,912554E+22	2,082347E+22	2,313417E+22
-1842	2,487847E+22	2,558909E+22	2,563609E+22	2,563649E+22	2,559001E+22	2,487924E+22	2,313465E+22	2,082373E+22	1,912570E+22	1,912564E+22	2,082365E+22	2,313487E+22
-1841	2,488004E+22	2,559095E+22	2,563726E+22	2,563710E+22	2,559040E+22	2,487935E+22	2,313453E+22	2,082361E+22	1,912578E+22	1,912595E+22	2,082405E+22	2,313482E+22
-1840	2,487921E+22	2,558985E+22	2,563619E+22	2,563607E+22	2,558979E+22	2,487938E+22	2,313504E+22	2,082427E+22	1,912628E+22	1,912604E+22	2,082356E+22	2,313406E+22
-1839	2,487851E+22	2,558960E+22	2,563672E+22	2,563683E+22	2,559020E+22	2,487947E+22	2,313494E+22	2,082424E+22	1,912643E+22	1,912632E+22	2,082400E+22	2,313487E+22
-1838	2,487982E+22	2,559071E+22	2,563724E+22	2,563714E+22	2,559037E+22	2,487934E+22	2,313466E+22	2,082395E+22	1,912632E+22	1,912649E+22	2,082417E+22	2,313441E+22
-1837	2,487855E+22	2,558915E+22	2,563570E+22	2,563602E+22	2,558985E+22	2,487930E+22	2,313486E+22	2,082414E+22	1,912629E+22	1,912624E+22	2,082397E+22	2,313457E+22
-1836	2,487902E+22	2,558997E+22	2,563673E+22	2,563676E+22	2,559020E+22	2,487933E+22	2,313465E+22	2,082386E+22	1,912604E+22	1,912605E+22	2,082412E+22	2,313532E+22
-1835	2,488001E+22	2,559037E+22	2,563652E+22	2,563629E+22	2,558982E+22	2,487925E+22	2,313473E+22	2,082379E+22	1,912580E+22	1,912577E+22	2,082356E+22	2,313418E+22
-1834	2,487864E+22	2,558928E+22	2,563598E+22	2,563618E+22	2,558963E+22	2,487897E+22	2,313457E+22	2,082372E+22	1,912561E+22	1,912542E+22	2,082330E+22	2,313437E+22
-1833	2,487960E+22	2,559090E+22	2,563737E+22	2,563707E+22	2,559022E+22	2,487906E+22	2,313415E+22	2,082314E+22	1,912521E+22	1,912542E+22	2,082372E+22	2,313469E+22
-1832	2,487911E+22	2,558981E+22	2,563630E+22	2,563620E+22	2,558981E+22	2,487919E+22	2,313446E+22	2,082331E+22	1,912518E+22	1,912512E+22	2,082305E+22	2,313387E+22
-1831	2,487830E+22	2,558902E+22	2,563606E+22	2,563649E+22	2,559017E+22	2,487945E+22	2,313453E+22	2,082322E+22	1,912500E+22	1,912496E+22	2,082312E+22	2,313450E+22
-1830	2,487980E+22	2,559060E+22	2,563684E+22	2,563684E+22	2,559037E+22	2,487941E+22	2,313439E+22	2,082304E+22	1,912486E+22	1,912502E+22	2,082329E+22	2,313426E+22
-1829	2,487885E+22	2,558937E+22	2,563548E+22	2,563552E+22	2,558951E+22	2,487919E+22	2,313465E+22	2,082347E+22	1,912512E+22	1,912490E+22	2,082292E+22	2,313398E+22
-1828	2,487872E+22	2,558975E+22	2,563651E+22	2,563643E+22	2,558983E+22	2,487908E+22	2,313447E+22	2,082352E+22	1,912541E+22	1,912525E+22	2,082332E+22	2,313471E+22
-1827	2,487979E+22	2,559046E+22	2,563680E+22	2,563656E+22	2,558986E+22	2,487903E+22	2,313437E+22	2,082342E+22	1,912551E+22	1,912563E+22	2,082352E+22	2,313404E+22
-1826	2,487837E+22	2,558901E+22	2,563577E+22	2,563615E+22	2,558973E+22	2,487897E+22	2,313439E+22	2,082355E+22	1,912563E+22	1,912565E+22	2,082357E+22	2,313437E+22
-1825	2,487921E+22	2,559042E+22	2,563710E+22	2,563703E+22	2,559036E+22	2,487928E+22	2,313436E+22	2,082341E+22	1,912566E+22	1,912598E+22	2,082428E+22	2,313525E+22
-1824	2,487957E+22	2,559000E+22	2,563636E+22	2,563626E+22	2,558986E+22	2,487929E+22	2,313477E+22	2,082393E+22	1,912608E+22	1,912608E+22	2,082380E+22	2,313436E+22
-1823	2,487865E+22	2,558919E+22	2,563600E+22	2,563630E+22	2,558997E+22	2,487945E+22	2,313501E+22	2,082431E+22	1,912642E+22	1,912621E+22	2,082379E+22	2,313462E+22
-1822	2,487982E+22	2,559102E+22	2,563747E+22	2,563721E+22	2,559032E+22	2,487932E+22	2,313481E+22	2,082426E+22	1,912666E+22	1,912672E+22	2,082437E+22	2,313471E+22
-1821	2,487900E+22	2,558974E+22	2,563625E+22	2,563619E+22	2,558966E+22	2,487908E+22	2,313492E+22	2,082458E+22	1,912696E+22	1,912681E+22	2,082413E+22	2,313428E+22
-1820	2,487843E+22	2,558940E+22	2,563660E+22	2,563688E+22	2,559019E+22	2,487927E+22	2,313486E+22	2,082454E+22	1,912705E+22	1,912698E+22	2,082452E+22	2,313511E+22
-1819	2,487977E+22	2,559051E+22	2,563700E+22	2,563698E+22	2,559029E+22	2,487939E+22	2,313482E+22	2,082424E+22	1,912676E+22	1,912701E+22	2,082469E+22	2,313480E+22
-1818	2,487869E+22	2,558915E+22	2,563571E+22	2,563596E+22	2,558966E+22	2,487916E+22	2,313491E+22	2,082435E+22	1,912657E+22	1,912645E+22	2,082406E+22	2,313462E+22
-1817	2,487923E+22	2,559037E+22	2,563707E+22	2,563685E+22	2,559006E+22	2,487919E+22	2,313470E+22	2,082410E+22	1,912639E+22	1,912641E+22	2,082432E+22	2,313524E+22
-1816	2,487985E+22	2,559044E+22	2,563678E+22	2,563650E+22	2,558970E+22	2,487896E+22	2,313461E+22	2,082405E+22	1,912633E+22	1,912628E+22	2,082380E+22	2,313415E+22
-1815	2,487850E+22	2,558917E+22	2,563595E+22	2,563634E+22	2,558992E+22	2,487919E+22	2,313464E+22	2,082392E+22	1,912603E+22	1,912587E+22	2,082352E+22	2,313421E+22
-1814	2,487924E+22	2,559069E+22	2,563737E+22	2,563726E+22	2,559050E+22	2,487934E+22	2,313444E+22	2,082349E+22	1,912568E+22	1,912588E+22	2,082401E+22	2,313478E+22
-1813	2,487903E+22	2,558959E+22	2,563610E+22	2,563611E+22	2,558973E+22	2,487916E+22	2,313461E+22	2,082363E+22	1,912559E+22	1,912554E+22	2,082340E+22	2,313414E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1812	2,487846E+22	2,558900E+22	2,563584E+22	2,563631E+22	2,558998E+22	2,487930E+22	2,313470E+22	2,082377E+22	1,912567E+22	1,912547E+22	2,082337E+22	2,313452E+22
-1811	2,487975E+22	2,559063E+22	2,563677E+22	2,563663E+22	2,559010E+22	2,487930E+22	2,313458E+22	2,082356E+22	1,912561E+22	1,912572E+22	2,082372E+22	2,313436E+22
-1810	2,487872E+22	2,558939E+22	2,563575E+22	2,563569E+22	2,558931E+22	2,487886E+22	2,313455E+22	2,082376E+22	1,912570E+22	1,912551E+22	2,082329E+22	2,313402E+22
-1809	2,487865E+22	2,558985E+22	2,563679E+22	2,563674E+22	2,558991E+22	2,487892E+22	2,313434E+22	2,082366E+22	1,912589E+22	1,912595E+22	2,082396E+22	2,313494E+22
-1808	2,487961E+22	2,559024E+22	2,563673E+22	2,563666E+22	2,558991E+22	2,487898E+22	2,313434E+22	2,082363E+22	1,912602E+22	1,912626E+22	2,082408E+22	2,313448E+22
-1807	2,487858E+22	2,558896E+22	2,563554E+22	2,563605E+22	2,558989E+22	2,487929E+22	2,313469E+22	2,082389E+22	1,912605E+22	1,912604E+22	2,082379E+22	2,313443E+22
-1806	2,487927E+22	2,559056E+22	2,563717E+22	2,563702E+22	2,559034E+22	2,487943E+22	2,313478E+22	2,082404E+22	1,912632E+22	1,912642E+22	2,082438E+22	2,313520E+22
-1805	2,487962E+22	2,559019E+22	2,563655E+22	2,563629E+22	2,558963E+22	2,487907E+22	2,313488E+22	2,082444E+22	1,912682E+22	1,912670E+22	2,082406E+22	2,313433E+22
-1804	2,487859E+22	2,558929E+22	2,563620E+22	2,563650E+22	2,558989E+22	2,487916E+22	2,313504E+22	2,082488E+22	1,912732E+22	1,912701E+22	2,082417E+22	2,313447E+22
-1803	2,487939E+22	2,559075E+22	2,563744E+22	2,563735E+22	2,559046E+22	2,487937E+22	2,313493E+22	2,082468E+22	1,912741E+22	1,912758E+22	2,082503E+22	2,313495E+22
-1802	2,487875E+22	2,558947E+22	2,563626E+22	2,563634E+22	2,558973E+22	2,487909E+22	2,313497E+22	2,082480E+22	1,912741E+22	1,912734E+22	2,082460E+22	2,313458E+22
-1801	2,487854E+22	2,558941E+22	2,563656E+22	2,563687E+22	2,559015E+22	2,487926E+22	2,313498E+22	2,082477E+22	1,912740E+22	1,912745E+22	2,082497E+22	2,313538E+22
-1800	2,487984E+22	2,559047E+22	2,563686E+22	2,563679E+22	2,559007E+22	2,487922E+22	2,313489E+22	2,082460E+22	1,912728E+22	1,912746E+22	2,082497E+22	2,313504E+22
-1799	2,487895E+22	2,558938E+22	2,563573E+22	2,563583E+22	2,558958E+22	2,487919E+22	2,313501E+22	2,082466E+22	1,912703E+22	1,912682E+22	2,082412E+22	2,313440E+22
-1798	2,487902E+22	2,559049E+22	2,563738E+22	2,563709E+22	2,559006E+22	2,487909E+22	2,313477E+22	2,082446E+22	1,912694E+22	1,912689E+22	2,082449E+22	2,313515E+22
-1797	2,487964E+22	2,559030E+22	2,563686E+22	2,563673E+22	2,558979E+22	2,487879E+22	2,313444E+22	2,082415E+22	1,912674E+22	1,912680E+22	2,082420E+22	2,313433E+22
-1796	2,487843E+22	2,558899E+22	2,563579E+22	2,563637E+22	2,559000E+22	2,487916E+22	2,313469E+22	2,082420E+22	1,912649E+22	1,912633E+22	2,082384E+22	2,313430E+22
-1795	2,487906E+22	2,559041E+22	2,563706E+22	2,563707E+22	2,559049E+22	2,487952E+22	2,313476E+22	2,082391E+22	1,912615E+22	1,912632E+22	2,082435E+22	2,313500E+22
-1794	2,487904E+22	2,558958E+22	2,563609E+22	2,563598E+22	2,558950E+22	2,487904E+22	2,313474E+22	2,082400E+22	1,912604E+22	1,912585E+22	2,082352E+22	2,313417E+22
-1793	2,487856E+22	2,558927E+22	2,563607E+22	2,563630E+22	2,558975E+22	2,487906E+22	2,313473E+22	2,082410E+22	1,912622E+22	1,912605E+22	2,082372E+22	2,313452E+22
-1792	2,487955E+22	2,559058E+22	2,563689E+22	2,563673E+22	2,558994E+22	2,487900E+22	2,313447E+22	2,082389E+22	1,912629E+22	1,912645E+22	2,082421E+22	2,313457E+22
-1791	2,487871E+22	2,558935E+22	2,563570E+22	2,563579E+22	2,558955E+22	2,487900E+22	2,313456E+22	2,082395E+22	1,912620E+22	1,912611E+22	2,082368E+22	2,313406E+22
-1790	2,487848E+22	2,558982E+22	2,563692E+22	2,563694E+22	2,559012E+22	2,487911E+22	2,313457E+22	2,082403E+22	1,912642E+22	1,912646E+22	2,082430E+22	2,313518E+22
-1789	2,487972E+22	2,559020E+22	2,563669E+22	2,563670E+22	2,558990E+22	2,487893E+22	2,313446E+22	2,082400E+22	1,912655E+22	1,912674E+22	2,082441E+22	2,313472E+22
-1788	2,487879E+22	2,558911E+22	2,563554E+22	2,563601E+22	2,558979E+22	2,487920E+22	2,313496E+22	2,082458E+22	1,912686E+22	1,912663E+22	2,082399E+22	2,313433E+22
-1787	2,487908E+22	2,559058E+22	2,563728E+22	2,563703E+22	2,559026E+22	2,487944E+22	2,313509E+22	2,082472E+22	1,912722E+22	1,912722E+22	2,082479E+22	2,313516E+22
-1786	2,487930E+22	2,559009E+22	2,563682E+22	2,563653E+22	2,558956E+22	2,487884E+22	2,313487E+22	2,082486E+22	1,912754E+22	1,912744E+22	2,082451E+22	2,313436E+22
-1785	2,487837E+22	2,558920E+22	2,563629E+22	2,563670E+22	2,559001E+22	2,487911E+22	2,313499E+22	2,082507E+22	1,912790E+22	1,912784E+22	2,082490E+22	2,313477E+22
-1784	2,487918E+22	2,559039E+22	2,563718E+22	2,563722E+22	2,559039E+22	2,487931E+22	2,313493E+22	2,082491E+22	1,912793E+22	1,912823E+22	2,082563E+22	2,313546E+22
-1783	2,487902E+22	2,558939E+22	2,563591E+22	2,563604E+22	2,558972E+22	2,487923E+22	2,313512E+22	2,082505E+22	1,912777E+22	1,912770E+22	2,082481E+22	2,313470E+22
-1782	2,487869E+22	2,558965E+22	2,563670E+22	2,563682E+22	2,559001E+22	2,487919E+22	2,313516E+22	2,082520E+22	1,912790E+22	1,912776E+22	2,082501E+22	2,313542E+22
-1781	2,487998E+22	2,559068E+22	2,563709E+22	2,563685E+22	2,558982E+22	2,487887E+22	2,313477E+22	2,082486E+22	1,912777E+22	1,912789E+22	2,082512E+22	2,313500E+22
-1780	2,487893E+22	2,558952E+22	2,563600E+22	2,563610E+22	2,558959E+22	2,487896E+22	2,313498E+22	2,082501E+22	1,912760E+22	1,912733E+22	2,082432E+22	2,313421E+22
-1779	2,487861E+22	2,559025E+22	2,563741E+22	2,563729E+22	2,559032E+22	2,487929E+22	2,313493E+22	2,082473E+22	1,912742E+22	1,912744E+22	2,082488E+22	2,313522E+22
-1778	2,487933E+22	2,559003E+22	2,563689E+22	2,563685E+22	2,558992E+22	2,487893E+22	2,313460E+22	2,082436E+22	1,912704E+22	1,912712E+22	2,082445E+22	2,313447E+22
-1777	2,487846E+22	2,558896E+22	2,563570E+22	2,563630E+22	2,559002E+22	2,487926E+22	2,313490E+22	2,082449E+22	1,912689E+22	1,912680E+22	2,082420E+22	2,313445E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1776	2,487901E+22	2,559025E+22	2,563681E+22	2,563676E+22	2,559023E+22	2,487941E+22	2,313491E+22	2,082439E+22	1,912681E+22	1,912688E+22	2,082464E+22	2,313518E+22
-1775	2,487919E+22	2,558969E+22	2,563602E+22	2,563579E+22	2,558936E+22	2,487897E+22	2,313484E+22	2,082441E+22	1,912668E+22	1,912644E+22	2,082375E+22	2,313406E+22
-1774	2,487838E+22	2,558935E+22	2,563638E+22	2,563651E+22	2,558968E+22	2,487883E+22	2,313470E+22	2,082448E+22	1,912689E+22	1,912670E+22	2,082410E+22	2,313466E+22
-1773	2,487947E+22	2,559044E+22	2,563696E+22	2,563688E+22	2,558994E+22	2,487875E+22	2,313425E+22	2,082400E+22	1,912679E+22	1,912710E+22	2,082477E+22	2,313494E+22
-1772	2,487884E+22	2,558934E+22	2,563570E+22	2,563585E+22	2,558958E+22	2,487896E+22	2,313464E+22	2,082425E+22	1,912668E+22	1,912663E+22	2,082405E+22	2,313422E+22
-1771	2,487844E+22	2,558973E+22	2,563682E+22	2,563687E+22	2,559018E+22	2,487931E+22	2,313490E+22	2,082449E+22	1,912697E+22	1,912696E+22	2,082460E+22	2,313530E+22
-1770	2,487973E+22	2,559034E+22	2,563693E+22	2,563676E+22	2,558983E+22	2,487889E+22	2,313464E+22	2,082446E+22	1,912714E+22	1,912719E+22	2,082453E+22	2,313466E+22
-1769	2,487879E+22	2,558935E+22	2,563587E+22	2,563616E+22	2,558973E+22	2,487907E+22	2,313503E+22	2,082498E+22	1,912760E+22	1,912740E+22	2,082439E+22	2,313423E+22
-1768	2,487867E+22	2,559026E+22	2,563727E+22	2,563715E+22	2,559026E+22	2,487931E+22	2,313513E+22	2,082518E+22	1,912806E+22	1,912810E+22	2,082536E+22	2,313535E+22
-1767	2,487918E+22	2,558986E+22	2,563662E+22	2,563654E+22	2,558980E+22	2,487904E+22	2,313498E+22	2,082516E+22	1,912815E+22	1,912815E+22	2,082501E+22	2,313451E+22
-1766	2,487823E+22	2,558905E+22	2,563626E+22	2,563669E+22	2,559002E+22	2,487920E+22	2,313522E+22	2,082548E+22	1,912844E+22	1,912836E+22	2,082531E+22	2,313516E+22
-1765	2,487940E+22	2,559031E+22	2,563702E+22	2,563704E+22	2,559019E+22	2,487914E+22	2,313497E+22	2,082521E+22	1,912841E+22	1,912870E+22	2,082597E+22	2,313578E+22
-1764	2,487940E+22	2,558970E+22	2,563599E+22	2,563589E+22	2,558943E+22	2,487899E+22	2,313523E+22	2,082552E+22	1,912837E+22	1,912815E+22	2,082494E+22	2,313459E+22
-1763	2,487861E+22	2,558979E+22	2,563695E+22	2,563689E+22	2,558990E+22	2,487910E+22	2,313527E+22	2,082561E+22	1,912853E+22	1,912834E+22	2,082526E+22	2,313530E+22
-1762	2,487971E+22	2,559070E+22	2,563748E+22	2,563720E+22	2,558989E+22	2,487868E+22	2,313464E+22	2,082504E+22	1,912822E+22	1,912836E+22	2,082537E+22	2,313494E+22
-1761	2,487872E+22	2,558943E+22	2,563614E+22	2,563636E+22	2,558984E+22	2,487904E+22	2,313494E+22	2,082507E+22	1,912797E+22	1,912792E+22	2,082479E+22	2,313434E+22
-1760	2,487832E+22	2,558977E+22	2,563710E+22	2,563717E+22	2,559037E+22	2,487944E+22	2,313513E+22	2,082503E+22	1,912785E+22	1,912792E+22	2,082527E+22	2,313551E+22
-1759	2,487947E+22	2,558989E+22	2,563652E+22	2,563655E+22	2,558993E+22	2,487913E+22	2,313487E+22	2,082472E+22	1,912745E+22	1,912746E+22	2,082458E+22	2,313445E+22
-1758	2,487848E+22	2,558911E+22	2,563582E+22	2,563616E+22	2,558978E+22	2,487917E+22	2,313512E+22	2,082500E+22	1,912750E+22	1,912721E+22	2,082432E+22	2,313451E+22
-1757	2,487909E+22	2,559030E+22	2,563694E+22	2,563671E+22	2,558992E+22	2,487899E+22	2,313475E+22	2,082467E+22	1,912744E+22	1,912752E+22	2,082499E+22	2,313526E+22
-1756	2,487924E+22	2,558977E+22	2,563621E+22	2,563595E+22	2,558928E+22	2,487869E+22	2,313474E+22	2,082472E+22	1,912730E+22	1,912712E+22	2,082416E+22	2,313407E+22
-1755	2,487814E+22	2,558919E+22	2,563647E+22	2,563672E+22	2,558991E+22	2,487897E+22	2,313478E+22	2,082470E+22	1,912739E+22	1,912734E+22	2,082462E+22	2,313489E+22
-1754	2,487936E+22	2,559033E+22	2,563710E+22	2,563702E+22	2,559004E+22	2,487881E+22	2,313434E+22	2,082420E+22	1,912711E+22	1,912747E+22	2,082506E+22	2,313514E+22
-1753	2,487899E+22	2,558944E+22	2,563580E+22	2,563592E+22	2,558968E+22	2,487909E+22	2,313483E+22	2,082457E+22	1,912718E+22	1,912717E+22	2,082438E+22	2,313430E+22
-1752	2,487838E+22	2,558963E+22	2,563675E+22	2,563672E+22	2,559004E+22	2,487933E+22	2,313518E+22	2,082507E+22	1,912773E+22	1,912761E+22	2,082487E+22	2,313530E+22
-1751	2,487970E+22	2,559035E+22	2,563692E+22	2,563672E+22	2,558982E+22	2,487892E+22	2,313484E+22	2,082498E+22	1,912792E+22	1,912791E+22	2,082483E+22	2,313448E+22
-1750	2,487848E+22	2,558926E+22	2,563610E+22	2,563637E+22	2,558976E+22	2,487899E+22	2,313513E+22	2,082549E+22	1,912842E+22	1,912819E+22	2,082490E+22	2,313447E+22
-1749	2,487857E+22	2,558990E+22	2,563708E+22	2,563710E+22	2,559020E+22	2,487913E+22	2,313501E+22	2,082541E+22	1,912869E+22	1,912888E+22	2,082600E+22	2,313578E+22
-1748	2,487938E+22	2,558980E+22	2,563646E+22	2,563637E+22	2,558960E+22	2,487893E+22	2,313513E+22	2,082555E+22	1,912867E+22	1,912872E+22	2,082545E+22	2,313476E+22
-1747	2,487835E+22	2,558907E+22	2,563622E+22	2,563655E+22	2,558987E+22	2,487919E+22	2,313543E+22	2,082588E+22	1,912896E+22	1,912884E+22	2,082561E+22	2,313528E+22
-1746	2,487950E+22	2,559060E+22	2,563737E+22	2,563707E+22	2,558995E+22	2,487890E+22	2,313496E+22	2,082551E+22	1,912887E+22	1,912906E+22	2,082605E+22	2,313569E+22
-1745	2,487944E+22	2,559002E+22	2,563650E+22	2,563622E+22	2,558945E+22	2,487884E+22	2,313514E+22	2,082569E+22	1,912889E+22	1,912878E+22	2,082522E+22	2,313442E+22
-1744	2,487824E+22	2,558954E+22	2,563703E+22	2,563713E+22	2,559007E+22	2,487913E+22	2,313531E+22	2,082589E+22	1,912910E+22	1,912896E+22	2,082563E+22	2,313531E+22
-1743	2,487953E+22	2,559044E+22	2,563731E+22	2,563731E+22	2,559028E+22	2,487903E+22	2,313485E+22	2,082528E+22	1,912863E+22	1,912882E+22	2,082567E+22	2,313495E+22
-1742	2,487851E+22	2,558921E+22	2,563611E+22	2,563640E+22	2,558994E+22	2,487925E+22	2,313529E+22	2,082552E+22	1,912845E+22	1,912828E+22	2,082507E+22	2,313461E+22
-1741	2,487842E+22	2,558948E+22	2,563677E+22	2,563690E+22	2,559016E+22	2,487934E+22	2,313526E+22	2,082542E+22	1,912839E+22	1,912841E+22	2,082557E+22	2,313571E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1740	2,487972E+22	2,559005E+22	2,563651E+22	2,563628E+22	2,558950E+22	2,487889E+22	2,313505E+22	2,082524E+22	1,912809E+22	1,912802E+22	2,082484E+22	2,313439E+22
-1739	2,487836E+22	2,558913E+22	2,563597E+22	2,563615E+22	2,558954E+22	2,487894E+22	2,313513E+22	2,082535E+22	1,912814E+22	1,912790E+22	2,082474E+22	2,313452E+22
-1738	2,487891E+22	2,559032E+22	2,563725E+22	2,563694E+22	2,558986E+22	2,487870E+22	2,313449E+22	2,082473E+22	1,912785E+22	1,912808E+22	2,082542E+22	2,313542E+22
-1737	2,487926E+22	2,558980E+22	2,563638E+22	2,563617E+22	2,558944E+22	2,487868E+22	2,313455E+22	2,082463E+22	1,912760E+22	1,912770E+22	2,082467E+22	2,313429E+22
-1736	2,487806E+22	2,558889E+22	2,563625E+22	2,563665E+22	2,558996E+22	2,487911E+22	2,313496E+22	2,082496E+22	1,912777E+22	1,912775E+22	2,082493E+22	2,313512E+22
-1735	2,487958E+22	2,559036E+22	2,563693E+22	2,563693E+22	2,559015E+22	2,487903E+22	2,313465E+22	2,082463E+22	1,912758E+22	1,912779E+22	2,082511E+22	2,313502E+22
-1734	2,487895E+22	2,558961E+22	2,563608E+22	2,563599E+22	2,558956E+22	2,487908E+22	2,313515E+22	2,082521E+22	1,912792E+22	1,912766E+22	2,082452E+22	2,313427E+22
-1733	2,487828E+22	2,558947E+22	2,563681E+22	2,563678E+22	2,558987E+22	2,487909E+22	2,313521E+22	2,082555E+22	1,912856E+22	1,912844E+22	2,082531E+22	2,313530E+22
-1732	2,487958E+22	2,559029E+22	2,563700E+22	2,563680E+22	2,558973E+22	2,487880E+22	2,313496E+22	2,082547E+22	1,912869E+22	1,912876E+22	2,082539E+22	2,313453E+22
-1731	2,487820E+22	2,558900E+22	2,563606E+22	2,563641E+22	2,558982E+22	2,487909E+22	2,313530E+22	2,082587E+22	1,912908E+22	1,912898E+22	2,082554E+22	2,313475E+22
-1730	2,487856E+22	2,558984E+22	2,563712E+22	2,563709E+22	2,559009E+22	2,487904E+22	2,313506E+22	2,082568E+22	1,912915E+22	1,912939E+22	2,082640E+22	2,313607E+22
-1729	2,487968E+22	2,559001E+22	2,563658E+22	2,563639E+22	2,558955E+22	2,487886E+22	2,313514E+22	2,082580E+22	1,912921E+22	1,912932E+22	2,082581E+22	2,313486E+22
-1728	2,487839E+22	2,558912E+22	2,563629E+22	2,563650E+22	2,558973E+22	2,487911E+22	2,313557E+22	2,082633E+22	1,912961E+22	1,912943E+22	2,082588E+22	2,313528E+22
-1727	2,487950E+22	2,559068E+22	2,563754E+22	2,563728E+22	2,559006E+22	2,487889E+22	2,313504E+22	2,082587E+22	1,912945E+22	1,912961E+22	2,082628E+22	2,313549E+22
-1726	2,487909E+22	2,558994E+22	2,563681E+22	2,563662E+22	2,558968E+22	2,487890E+22	2,313524E+22	2,082605E+22	1,912946E+22	1,912932E+22	2,082562E+22	2,313460E+22
-1725	2,487808E+22	2,558911E+22	2,563678E+22	2,563713E+22	2,559016E+22	2,487918E+22	2,313534E+22	2,082609E+22	1,912955E+22	1,912954E+22	2,082610E+22	2,313556E+22
-1724	2,487961E+22	2,559029E+22	2,563705E+22	2,563707E+22	2,559010E+22	2,487910E+22	2,313517E+22	2,082570E+22	1,912905E+22	1,912924E+22	2,082596E+22	2,313506E+22
-1723	2,487854E+22	2,558916E+22	2,563597E+22	2,563618E+22	2,558972E+22	2,487925E+22	2,313556E+22	2,082599E+22	1,912899E+22	1,912873E+22	2,082532E+22	2,313467E+22
-1722	2,487849E+22	2,558968E+22	2,563694E+22	2,563676E+22	2,558975E+22	2,487896E+22	2,313518E+22	2,082570E+22	1,912886E+22	1,912881E+22	2,082574E+22	2,313567E+22
-1721	2,487976E+22	2,559025E+22	2,563683E+22	2,563650E+22	2,558940E+22	2,487859E+22	2,313481E+22	2,082533E+22	1,912859E+22	1,912867E+22	2,082524E+22	2,313437E+22
-1720	2,487813E+22	2,558894E+22	2,563601E+22	2,563632E+22	2,558963E+22	2,487888E+22	2,313506E+22	2,082549E+22	1,912857E+22	1,912847E+22	2,082519E+22	2,313469E+22
-1719	2,487887E+22	2,559017E+22	2,563715E+22	2,563708E+22	2,559014E+22	2,487891E+22	2,313460E+22	2,082487E+22	1,912813E+22	1,912844E+22	2,082569E+22	2,313549E+22
-1718	2,487919E+22	2,558976E+22	2,563651E+22	2,563635E+22	2,558960E+22	2,487890E+22	2,313488E+22	2,082504E+22	1,912801E+22	1,912798E+22	2,082488E+22	2,313453E+22
-1717	2,487821E+22	2,558876E+22	2,563606E+22	2,563649E+22	2,558983E+22	2,487909E+22	2,313517E+22	2,082545E+22	1,912840E+22	1,912826E+22	2,082514E+22	2,313510E+22
-1716	2,487967E+22	2,559054E+22	2,563703E+22	2,563679E+22	2,558982E+22	2,487894E+22	2,313501E+22	2,082531E+22	1,912837E+22	1,912845E+22	2,082536E+22	2,313482E+22
-1715	2,487865E+22	2,558952E+22	2,563627E+22	2,563615E+22	2,558945E+22	2,487894E+22	2,313531E+22	2,082580E+22	1,912882E+22	1,912856E+22	2,082506E+22	2,313425E+22
-1714	2,487798E+22	2,558931E+22	2,563690E+22	2,563692E+22	2,558981E+22	2,487885E+22	2,313508E+22	2,082581E+22	1,912922E+22	1,912923E+22	2,082595E+22	2,313555E+22
-1713	2,487955E+22	2,559018E+22	2,563700E+22	2,563690E+22	2,558980E+22	2,487877E+22	2,313485E+22	2,082556E+22	1,912924E+22	1,912957E+22	2,082609E+22	2,313490E+22
-1712	2,487823E+22	2,558879E+22	2,563582E+22	2,563624E+22	2,558971E+22	2,487911E+22	2,313547E+22	2,082620E+22	1,912959E+22	1,912954E+22	2,082599E+22	2,313509E+22
-1711	2,487888E+22	2,559000E+22	2,563706E+22	2,563702E+22	2,559006E+22	2,487904E+22	2,313522E+22	2,082607E+22	1,912965E+22	1,912979E+22	2,082655E+22	2,313603E+22
-1710	2,487973E+22	2,559033E+22	2,563703E+22	2,563665E+22	2,558951E+22	2,487877E+22	2,313530E+22	2,082628E+22	1,912984E+22	1,912975E+22	2,082598E+22	2,313489E+22
-1709	2,487831E+22	2,558903E+22	2,563642E+22	2,563673E+22	2,558974E+22	2,487895E+22	2,313555E+22	2,082668E+22	1,913028E+22	1,913010E+22	2,082624E+22	2,313525E+22
-1708	2,487935E+22	2,559064E+22	2,563765E+22	2,563744E+22	2,559013E+22	2,487899E+22	2,313529E+22	2,082628E+22	1,913001E+22	1,913021E+22	2,082668E+22	2,313549E+22
-1707	2,487877E+22	2,558961E+22	2,563671E+22	2,563670E+22	2,558981E+22	2,487913E+22	2,313557E+22	2,082645E+22	1,912998E+22	1,912987E+22	2,082606E+22	2,313476E+22
-1706	2,487801E+22	2,558895E+22	2,563660E+22	2,563699E+22	2,559002E+22	2,487914E+22	2,313550E+22	2,082641E+22	1,912996E+22	1,912992E+22	2,082639E+22	2,313575E+22
-1705	2,487978E+22	2,559042E+22	2,563701E+22	2,563691E+22	2,558990E+22	2,487896E+22	2,313515E+22	2,082594E+22	1,912957E+22	1,912977E+22	2,082624E+22	2,313509E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1704	2,487850E+22	2,558915E+22	2,563591E+22	2,563596E+22	2,558937E+22	2,487901E+22	2,313559E+22	2,082636E+22	1,912958E+22	1,912929E+22	2,082562E+22	2,313470E+22
-1703	2,487848E+22	2,558974E+22	2,563704E+22	2,563693E+22	2,558972E+22	2,487871E+22	2,313505E+22	2,082590E+22	1,912934E+22	1,912932E+22	2,082603E+22	2,313562E+22
-1702	2,487954E+22	2,559024E+22	2,563709E+22	2,563685E+22	2,558956E+22	2,487852E+22	2,313474E+22	2,082549E+22	1,912898E+22	1,912908E+22	2,082564E+22	2,313469E+22
-1701	2,487811E+22	2,558866E+22	2,563581E+22	2,563634E+22	2,558969E+22	2,487890E+22	2,313506E+22	2,082561E+22	1,912889E+22	1,912890E+22	2,082557E+22	2,313493E+22
-1700	2,487904E+22	2,559022E+22	2,563707E+22	2,563694E+22	2,558999E+22	2,487902E+22	2,313499E+22	2,082530E+22	1,912851E+22	1,912874E+22	2,082584E+22	2,313547E+22
-1699	2,487914E+22	2,558981E+22	2,563657E+22	2,563636E+22	2,558952E+22	2,487896E+22	2,313522E+22	2,082562E+22	1,912866E+22	1,912847E+22	2,082505E+22	2,313440E+22
-1698	2,487811E+22	2,558893E+22	2,563626E+22	2,563652E+22	2,558961E+22	2,487885E+22	2,313522E+22	2,082590E+22	1,912911E+22	1,912889E+22	2,082541E+22	2,313498E+22
-1697	2,487946E+22	2,559057E+22	2,563726E+22	2,563707E+22	2,558988E+22	2,487877E+22	2,313487E+22	2,082560E+22	1,912916E+22	1,912937E+22	2,082592E+22	2,313484E+22
-1696	2,487832E+22	2,558919E+22	2,563614E+22	2,563624E+22	2,558954E+22	2,487896E+22	2,313540E+22	2,082617E+22	1,912952E+22	1,912940E+22	2,082575E+22	2,313459E+22
-1695	2,487798E+22	2,558910E+22	2,563670E+22	2,563696E+22	2,558994E+22	2,487894E+22	2,313523E+22	2,082613E+22	1,912973E+22	1,912981E+22	2,082644E+22	2,313583E+22
-1694	2,487960E+22	2,559020E+22	2,563707E+22	2,563699E+22	2,558982E+22	2,487884E+22	2,313512E+22	2,082604E+22	1,912977E+22	1,912999E+22	2,082649E+22	2,313534E+22
-1693	2,487851E+22	2,558885E+22	2,563572E+22	2,563608E+22	2,558951E+22	2,487899E+22	2,313559E+22	2,082664E+22	1,913023E+22	1,913011E+22	2,082630E+22	2,313519E+22
-1692	2,487906E+22	2,559033E+22	2,563731E+22	2,563698E+22	2,558975E+22	2,487892E+22	2,313550E+22	2,082661E+22	1,913034E+22	1,913039E+22	2,082679E+22	2,313586E+22
-1691	2,487946E+22	2,559032E+22	2,563734E+22	2,563701E+22	2,558960E+22	2,487872E+22	2,313541E+22	2,082675E+22	1,913059E+22	1,913049E+22	2,082640E+22	2,313483E+22
-1690	2,487806E+22	2,558893E+22	2,563647E+22	2,563689E+22	2,558981E+22	2,487885E+22	2,313546E+22	2,082687E+22	1,913078E+22	1,913069E+22	2,082668E+22	2,313537E+22
-1689	2,487919E+22	2,559045E+22	2,563754E+22	2,563749E+22	2,559024E+22	2,487905E+22	2,313528E+22	2,082643E+22	1,913047E+22	1,913079E+22	2,082711E+22	2,313568E+22
-1688	2,487871E+22	2,558935E+22	2,563638E+22	2,563645E+22	2,558966E+22	2,487916E+22	2,313582E+22	2,082687E+22	1,913045E+22	1,913030E+22	2,082636E+22	2,313497E+22
-1687	2,487818E+22	2,558900E+22	2,563644E+22	2,563679E+22	2,558981E+22	2,487899E+22	2,313561E+22	2,082679E+22	1,913042E+22	1,913026E+22	2,082649E+22	2,313567E+22
-1686	2,487971E+22	2,559063E+22	2,563732E+22	2,563706E+22	2,558976E+22	2,487874E+22	2,313518E+22	2,082629E+22	1,913008E+22	1,913017E+22	2,082648E+22	2,313522E+22
-1685	2,487843E+22	2,558908E+22	2,563596E+22	2,563607E+22	2,558931E+22	2,487873E+22	2,313539E+22	2,082651E+22	1,913008E+22	1,912988E+22	2,082600E+22	2,313477E+22
-1684	2,487842E+22	2,558979E+22	2,563714E+22	2,563701E+22	2,558972E+22	2,487874E+22	2,313516E+22	2,082610E+22	1,912970E+22	1,912976E+22	2,082637E+22	2,313568E+22
-1683	2,487934E+22	2,559007E+22	2,563712E+22	2,563707E+22	2,558976E+22	2,487870E+22	2,313497E+22	2,082581E+22	1,912939E+22	1,912949E+22	2,082594E+22	2,313481E+22
-1682	2,487813E+22	2,558867E+22	2,563573E+22	2,563631E+22	2,558967E+22	2,487890E+22	2,313521E+22	2,082595E+22	1,912931E+22	1,912924E+22	2,082576E+22	2,313500E+22
-1681	2,487908E+22	2,559036E+22	2,563715E+22	2,563694E+22	2,558995E+22	2,487900E+22	2,313508E+22	2,082570E+22	1,912919E+22	1,912933E+22	2,082607E+22	2,313537E+22
-1680	2,487894E+22	2,558973E+22	2,563656E+22	2,563630E+22	2,558934E+22	2,487886E+22	2,313544E+22	2,082619E+22	1,912947E+22	1,912923E+22	2,082548E+22	2,313442E+22
-1679	2,487793E+22	2,558880E+22	2,563624E+22	2,563669E+22	2,558966E+22	2,487870E+22	2,313522E+22	2,082629E+22	1,912982E+22	1,912966E+22	2,082593E+22	2,313507E+22
-1678	2,487920E+22	2,559039E+22	2,563732E+22	2,563729E+22	2,559003E+22	2,487878E+22	2,313491E+22	2,082590E+22	1,912974E+22	1,913002E+22	2,082658E+22	2,313537E+22
-1677	2,487838E+22	2,558890E+22	2,563581E+22	2,563606E+22	2,558946E+22	2,487890E+22	2,313543E+22	2,082642E+22	1,913006E+22	1,913004E+22	2,082631E+22	2,313503E+22
-1676	2,487833E+22	2,558933E+22	2,563667E+22	2,563672E+22	2,558963E+22	2,487890E+22	2,313554E+22	2,082660E+22	1,913024E+22	1,913025E+22	2,082671E+22	2,313597E+22
-1675	2,487971E+22	2,559042E+22	2,563728E+22	2,563704E+22	2,558966E+22	2,487873E+22	2,313532E+22	2,082658E+22	1,913046E+22	1,913052E+22	2,082666E+22	2,313524E+22
-1674	2,487850E+22	2,558917E+22	2,563608E+22	2,563626E+22	2,558937E+22	2,487872E+22	2,313555E+22	2,082700E+22	1,913088E+22	1,913069E+22	2,082653E+22	2,313507E+22
-1673	2,487885E+22	2,559042E+22	2,563766E+22	2,563739E+22	2,558995E+22	2,487882E+22	2,313535E+22	2,082685E+22	1,913103E+22	1,913114E+22	2,082718E+22	2,313577E+22
-1672	2,487905E+22	2,558998E+22	2,563722E+22	2,563713E+22	2,558981E+22	2,487890E+22	2,313561E+22	2,082711E+22	1,913119E+22	1,913117E+22	2,082690E+22	2,313502E+22
-1671	2,487792E+22	2,558864E+22	2,563622E+22	2,563694E+22	2,558999E+22	2,487901E+22	2,313569E+22	2,082724E+22	1,913126E+22	1,913117E+22	2,082702E+22	2,313552E+22
-1670	2,487911E+22	2,559033E+22	2,563746E+22	2,563747E+22	2,559024E+22	2,487912E+22	2,313555E+22	2,082690E+22	1,913097E+22	1,913115E+22	2,082741E+22	2,313600E+22
-1669	2,487884E+22	2,558930E+22	2,563616E+22	2,563613E+22	2,558934E+22	2,487894E+22	2,313587E+22	2,082728E+22	1,913109E+22	1,913087E+22	2,082666E+22	2,313506E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1668	2,487829E+22	2,558926E+22	2,563664E+22	2,563663E+22	2,558938E+22	2,487871E+22	2,313571E+22	2,082717E+22	1,913100E+22	1,913081E+22	2,082677E+22	2,313560E+22
-1667	2,487946E+22	2,559057E+22	2,563756E+22	2,563735E+22	2,558979E+22	2,487856E+22	2,313510E+22	2,082655E+22	1,913064E+22	1,913079E+22	2,082689E+22	2,313527E+22
-1666	2,487831E+22	2,558907E+22	2,563601E+22	2,563621E+22	2,558940E+22	2,487863E+22	2,313520E+22	2,082648E+22	1,913036E+22	1,913031E+22	2,082639E+22	2,313500E+22
-1665	2,487843E+22	2,558975E+22	2,563714E+22	2,563710E+22	2,558989E+22	2,487882E+22	2,313510E+22	2,082616E+22	1,913002E+22	1,913014E+22	2,082661E+22	2,313581E+22
-1664	2,487934E+22	2,558995E+22	2,563694E+22	2,563694E+22	2,558976E+22	2,487885E+22	2,313528E+22	2,082624E+22	1,912985E+22	1,912984E+22	2,082611E+22	2,313489E+22
-1663	2,487822E+22	2,558875E+22	2,563573E+22	2,563631E+22	2,558960E+22	2,487884E+22	2,313541E+22	2,082644E+22	1,912990E+22	1,912965E+22	2,082584E+22	2,313483E+22
-1662	2,487881E+22	2,559037E+22	2,563743E+22	2,563719E+22	2,558997E+22	2,487893E+22	2,313524E+22	2,082622E+22	1,912987E+22	1,912991E+22	2,082642E+22	2,313548E+22
-1661	2,487874E+22	2,558949E+22	2,563647E+22	2,563633E+22	2,558933E+22	2,487872E+22	2,313541E+22	2,082655E+22	1,913021E+22	1,913007E+22	2,082607E+22	2,313463E+22
-1660	2,487787E+22	2,558874E+22	2,563619E+22	2,563654E+22	2,558952E+22	2,487874E+22	2,313545E+22	2,082665E+22	1,913040E+22	1,913032E+22	2,082646E+22	2,313533E+22
-1659	2,487911E+22	2,559023E+22	2,563728E+22	2,563733E+22	2,559006E+22	2,487884E+22	2,313514E+22	2,082634E+22	1,913035E+22	1,913063E+22	2,082701E+22	2,313565E+22
-1658	2,487864E+22	2,558911E+22	2,563580E+22	2,563593E+22	2,558926E+22	2,487871E+22	2,313542E+22	2,082674E+22	1,913059E+22	1,913053E+22	2,082657E+22	2,313517E+22
-1657	2,487851E+22	2,558965E+22	2,563692E+22	2,563677E+22	2,558953E+22	2,487871E+22	2,313546E+22	2,082695E+22	1,913096E+22	1,913089E+22	2,082692E+22	2,313586E+22
-1656	2,487954E+22	2,559046E+22	2,563750E+22	2,563722E+22	2,558964E+22	2,487862E+22	2,313545E+22	2,082709E+22	1,913124E+22	1,913127E+22	2,082704E+22	2,313521E+22
-1655	2,487826E+22	2,558902E+22	2,563622E+22	2,563663E+22	2,558958E+22	2,487865E+22	2,313555E+22	2,082736E+22	1,913153E+22	1,913138E+22	2,082696E+22	2,313507E+22
-1654	2,487847E+22	2,559010E+22	2,563771E+22	2,563767E+22	2,559026E+22	2,487903E+22	2,313553E+22	2,082717E+22	1,913153E+22	1,913170E+22	2,082771E+22	2,313615E+22
-1653	2,487900E+22	2,558961E+22	2,563682E+22	2,563688E+22	2,558975E+22	2,487896E+22	2,313579E+22	2,082746E+22	1,913173E+22	1,913175E+22	2,082736E+22	2,313532E+22
-1652	2,487814E+22	2,558874E+22	2,563607E+22	2,563649E+22	2,558961E+22	2,487901E+22	2,313604E+22	2,082771E+22	1,913178E+22	1,913159E+22	2,082725E+22	2,313559E+22
-1651	2,487912E+22	2,559041E+22	2,563757E+22	2,563740E+22	2,559002E+22	2,487895E+22	2,313567E+22	2,082738E+22	1,913164E+22	1,913169E+22	2,082759E+22	2,313595E+22
-1650	2,487889E+22	2,558953E+22	2,563639E+22	2,563620E+22	2,558911E+22	2,487854E+22	2,313563E+22	2,082744E+22	1,913160E+22	1,913143E+22	2,082695E+22	2,313507E+22
-1649	2,487821E+22	2,558935E+22	2,563693E+22	2,563696E+22	2,558953E+22	2,487853E+22	2,313540E+22	2,082720E+22	1,913147E+22	1,913139E+22	2,082714E+22	2,313565E+22
-1648	2,487924E+22	2,559033E+22	2,563752E+22	2,563746E+22	2,558999E+22	2,487872E+22	2,313523E+22	2,082675E+22	1,913100E+22	1,913124E+22	2,082727E+22	2,313548E+22
-1647	2,487830E+22	2,558890E+22	2,563595E+22	2,563634E+22	2,558959E+22	2,487880E+22	2,313542E+22	2,082676E+22	1,913066E+22	1,913058E+22	2,082655E+22	2,313508E+22
-1646	2,487841E+22	2,558972E+22	2,563717E+22	2,563716E+22	2,559002E+22	2,487903E+22	2,313544E+22	2,082662E+22	1,913044E+22	1,913042E+22	2,082675E+22	2,313592E+22
-1645	2,487935E+22	2,558989E+22	2,563679E+22	2,563667E+22	2,558954E+22	2,487878E+22	2,313547E+22	2,082675E+22	1,913057E+22	1,913046E+22	2,082636E+22	2,313486E+22
-1644	2,487819E+22	2,558890E+22	2,563590E+22	2,563614E+22	2,558928E+22	2,487870E+22	2,313562E+22	2,082696E+22	1,913066E+22	1,913038E+22	2,082623E+22	2,313479E+22
-1643	2,487848E+22	2,559011E+22	2,563749E+22	2,563735E+22	2,558999E+22	2,487878E+22	2,313523E+22	2,082661E+22	1,913063E+22	1,913073E+22	2,082694E+22	2,313563E+22
-1642	2,487868E+22	2,558937E+22	2,563635E+22	2,563626E+22	2,558925E+22	2,487855E+22	2,313525E+22	2,082666E+22	1,913069E+22	1,913074E+22	2,082665E+22	2,313501E+22
-1641	2,487802E+22	2,558878E+22	2,563623E+22	2,563653E+22	2,558946E+22	2,487860E+22	2,313532E+22	2,082681E+22	1,913089E+22	1,913086E+22	2,082683E+22	2,313555E+22
-1640	2,487924E+22	2,559026E+22	2,563724E+22	2,563718E+22	2,558990E+22	2,487880E+22	2,313533E+22	2,082678E+22	1,913093E+22	1,913113E+22	2,082727E+22	2,313575E+22
-1639	2,487875E+22	2,558931E+22	2,563610E+22	2,563614E+22	2,558923E+22	2,487858E+22	2,313549E+22	2,082715E+22	1,913121E+22	1,913104E+22	2,082672E+22	2,313501E+22
-1638	2,487830E+22	2,558973E+22	2,563734E+22	2,563722E+22	2,558975E+22	2,487874E+22	2,313557E+22	2,082736E+22	1,913159E+22	1,913149E+22	2,082728E+22	2,313587E+22
-1637	2,487928E+22	2,559019E+22	2,563745E+22	2,563737E+22	2,558984E+22	2,487870E+22	2,313554E+22	2,082747E+22	1,913196E+22	1,913207E+22	2,082759E+22	2,313535E+22
-1636	2,487812E+22	2,558887E+22	2,563617E+22	2,563652E+22	2,558960E+22	2,487891E+22	2,313594E+22	2,082781E+22	1,913213E+22	1,913202E+22	2,082745E+22	2,313527E+22
-1635	2,487828E+22	2,558973E+22	2,563753E+22	2,563766E+22	2,559031E+22	2,487919E+22	2,313590E+22	2,082775E+22	1,913221E+22	1,913230E+22	2,082806E+22	2,313632E+22
-1634	2,487919E+22	2,558969E+22	2,563666E+22	2,563658E+22	2,558946E+22	2,487880E+22	2,313586E+22	2,082784E+22	1,913231E+22	1,913231E+22	2,082769E+22	2,313548E+22
-1633	2,487832E+22	2,558900E+22	2,563626E+22	2,563639E+22	2,558931E+22	2,487867E+22	2,313589E+22	2,082803E+22	1,913247E+22	1,913222E+22	2,082751E+22	2,313555E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1632	2,487902E+22	2,559042E+22	2,563773E+22	2,563745E+22	2,558986E+22	2,487872E+22	2,313564E+22	2,082771E+22	1,913226E+22	1,913235E+22	2,082801E+22	2,313603E+22
-1631	2,487879E+22	2,558943E+22	2,563659E+22	2,563656E+22	2,558927E+22	2,487839E+22	2,313544E+22	2,082752E+22	1,913198E+22	1,913191E+22	2,082731E+22	2,313517E+22
-1630	2,487805E+22	2,558918E+22	2,563702E+22	2,563724E+22	2,558985E+22	2,487874E+22	2,313548E+22	2,082729E+22	1,913165E+22	1,913168E+22	2,082749E+22	2,313595E+22
-1629	2,487931E+22	2,559013E+22	2,563726E+22	2,563729E+22	2,558999E+22	2,487886E+22	2,313544E+22	2,082704E+22	1,913136E+22	1,913159E+22	2,082750E+22	2,313562E+22
-1628	2,487849E+22	2,558907E+22	2,563594E+22	2,563599E+22	2,558931E+22	2,487890E+22	2,313581E+22	2,082725E+22	1,913113E+22	1,913089E+22	2,082661E+22	2,313494E+22
-1627	2,487823E+22	2,558965E+22	2,563731E+22	2,563721E+22	2,558990E+22	2,487897E+22	2,313568E+22	2,082719E+22	1,913118E+22	1,913101E+22	2,082687E+22	2,313568E+22
-1626	2,487922E+22	2,558995E+22	2,563693E+22	2,563671E+22	2,558935E+22	2,487846E+22	2,313531E+22	2,082701E+22	1,913121E+22	1,913118E+22	2,082678E+22	2,313486E+22
-1625	2,487801E+22	2,558880E+22	2,563602E+22	2,563628E+22	2,558930E+22	2,487849E+22	2,313537E+22	2,082712E+22	1,913130E+22	1,913112E+22	2,082675E+22	2,313494E+22
-1624	2,487832E+22	2,558980E+22	2,563733E+22	2,563732E+22	2,559003E+22	2,487886E+22	2,313536E+22	2,082691E+22	1,913116E+22	1,913137E+22	2,082750E+22	2,313600E+22
-1623	2,487880E+22	2,558923E+22	2,563632E+22	2,563636E+22	2,558927E+22	2,487850E+22	2,313532E+22	2,082694E+22	1,913113E+22	1,913118E+22	2,082697E+22	2,313522E+22
-1622	2,487816E+22	2,558889E+22	2,563638E+22	2,563664E+22	2,558953E+22	2,487869E+22	2,313552E+22	2,082720E+22	1,913134E+22	1,913128E+22	2,082711E+22	2,313570E+22
-1621	2,487932E+22	2,559035E+22	2,563732E+22	2,563710E+22	2,558972E+22	2,487870E+22	2,313548E+22	2,082727E+22	1,913167E+22	1,913183E+22	2,082761E+22	2,313571E+22
-1620	2,487868E+22	2,558947E+22	2,563641E+22	2,563619E+22	2,558913E+22	2,487858E+22	2,313572E+22	2,082764E+22	1,913196E+22	1,913179E+22	2,082712E+22	2,313494E+22
-1619	2,487792E+22	2,558938E+22	2,563741E+22	2,563753E+22	2,559002E+22	2,487886E+22	2,313573E+22	2,082783E+22	1,913238E+22	1,913231E+22	2,082775E+22	2,313594E+22
-1618	2,487919E+22	2,559000E+22	2,563725E+22	2,563727E+22	2,558983E+22	2,487872E+22	2,313559E+22	2,082772E+22	1,913251E+22	1,913274E+22	2,082813E+22	2,313567E+22
-1617	2,487825E+22	2,558884E+22	2,563609E+22	2,563637E+22	2,558944E+22	2,487880E+22	2,313600E+22	2,082819E+22	1,913275E+22	1,913258E+22	2,082780E+22	2,313546E+22
-1616	2,487840E+22	2,558969E+22	2,563739E+22	2,563738E+22	2,559001E+22	2,487908E+22	2,313613E+22	2,082829E+22	1,913288E+22	1,913287E+22	2,082836E+22	2,313641E+22
-1615	2,487927E+22	2,558981E+22	2,563693E+22	2,563673E+22	2,558925E+22	2,487848E+22	2,313581E+22	2,082817E+22	1,913289E+22	1,913284E+22	2,082793E+22	2,313542E+22
-1614	2,487822E+22	2,558911E+22	2,563665E+22	2,563680E+22	2,558945E+22	2,487857E+22	2,313582E+22	2,082820E+22	1,913286E+22	1,913274E+22	2,082792E+22	2,313564E+22
-1613	2,487887E+22	2,559025E+22	2,563769E+22	2,563753E+22	2,558996E+22	2,487873E+22	2,313562E+22	2,082786E+22	1,913270E+22	1,913293E+22	2,082845E+22	2,313619E+22
-1612	2,487877E+22	2,558942E+22	2,563665E+22	2,563653E+22	2,558934E+22	2,487867E+22	2,313574E+22	2,082777E+22	1,913231E+22	1,913226E+22	2,082758E+22	2,313527E+22
-1611	2,487796E+22	2,558894E+22	2,563694E+22	2,563732E+22	2,558998E+22	2,487894E+22	2,313582E+22	2,082776E+22	1,913214E+22	1,913203E+22	2,082754E+22	2,313587E+22
-1610	2,487940E+22	2,559020E+22	2,563713E+22	2,563706E+22	2,558978E+22	2,487877E+22	2,313556E+22	2,082741E+22	1,913187E+22	1,913202E+22	2,082766E+22	2,313557E+22
-1609	2,487847E+22	2,558922E+22	2,563616E+22	2,563599E+22	2,558904E+22	2,487859E+22	2,313576E+22	2,082767E+22	1,913186E+22	1,913153E+22	2,082687E+22	2,313481E+22
-1608	2,487794E+22	2,558938E+22	2,563728E+22	2,563724E+22	2,558976E+22	2,487879E+22	2,313571E+22	2,082760E+22	1,913190E+22	1,913179E+22	2,082742E+22	2,313578E+22
-1607	2,487899E+22	2,558965E+22	2,563695E+22	2,563693E+22	2,558942E+22	2,487833E+22	2,313517E+22	2,082713E+22	1,913167E+22	1,913182E+22	2,082735E+22	2,313514E+22
-1606	2,487798E+22	2,558864E+22	2,563599E+22	2,563640E+22	2,558945E+22	2,487861E+22	2,313541E+22	2,082720E+22	1,913153E+22	1,913157E+22	2,082727E+22	2,313535E+22
-1605	2,487855E+22	2,558974E+22	2,563709E+22	2,563704E+22	2,558983E+22	2,487883E+22	2,313551E+22	2,082723E+22	1,913161E+22	1,913183E+22	2,082784E+22	2,313623E+22
-1604	2,487913E+22	2,558959E+22	2,563650E+22	2,563617E+22	2,558903E+22	2,487853E+22	2,313559E+22	2,082740E+22	1,913167E+22	1,913158E+22	2,082710E+22	2,313513E+22
-1603	2,487808E+22	2,558896E+22	2,563672E+22	2,563692E+22	2,558956E+22	2,487866E+22	2,313574E+22	2,082778E+22	1,913213E+22	1,913190E+22	2,082724E+22	2,313545E+22
-1602	2,487920E+22	2,559042E+22	2,563752E+22	2,563731E+22	2,558976E+22	2,487859E+22	2,313547E+22	2,082761E+22	1,913237E+22	1,913259E+22	2,082806E+22	2,313571E+22
-1601	2,487847E+22	2,558937E+22	2,563657E+22	2,563643E+22	2,558926E+22	2,487856E+22	2,313575E+22	2,082803E+22	1,913271E+22	1,913256E+22	2,082764E+22	2,313505E+22
-1600	2,487769E+22	2,558897E+22	2,563717E+22	2,563748E+22	2,559009E+22	2,487908E+22	2,313611E+22	2,082837E+22	1,913308E+22	1,913305E+22	2,082832E+22	2,313621E+22
-1599	2,487919E+22	2,558980E+22	2,563716E+22	2,563727E+22	2,558976E+22	2,487869E+22	2,313577E+22	2,082817E+22	1,913311E+22	1,913330E+22	2,082851E+22	2,313587E+22
-1598	2,487839E+22	2,558894E+22	2,563615E+22	2,563634E+22	2,558934E+22	2,487877E+22	2,313616E+22	2,082859E+22	1,913329E+22	1,913313E+22	2,082819E+22	2,313562E+22
-1597	2,487849E+22	2,558981E+22	2,563744E+22	2,563723E+22	2,558965E+22	2,487879E+22	2,313615E+22	2,082871E+22	1,913360E+22	1,913359E+22	2,082879E+22	2,313649E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1596	2,487928E+22	2,558999E+22	2,563719E+22	2,563679E+22	2,558912E+22	2,487833E+22	2,313578E+22	2,082843E+22	1,913343E+22	1,913344E+22	2,082834E+22	2,313545E+22
-1595	2,487795E+22	2,558886E+22	2,563674E+22	2,563715E+22	2,558972E+22	2,487866E+22	2,313585E+22	2,082841E+22	1,913333E+22	1,913326E+22	2,082823E+22	2,313573E+22
-1594	2,487890E+22	2,559018E+22	2,563755E+22	2,563748E+22	2,558997E+22	2,487877E+22	2,313563E+22	2,082794E+22	1,913294E+22	1,913328E+22	2,082877E+22	2,313637E+22
-1593	2,487887E+22	2,558946E+22	2,563664E+22	2,563646E+22	2,558921E+22	2,487859E+22	2,313584E+22	2,082811E+22	1,913273E+22	1,913255E+22	2,082767E+22	2,313523E+22
-1592	2,487793E+22	2,558886E+22	2,563681E+22	2,563716E+22	2,558981E+22	2,487895E+22	2,313610E+22	2,082829E+22	1,913275E+22	1,913249E+22	2,082771E+22	2,313574E+22
-1591	2,487922E+22	2,559015E+22	2,563733E+22	2,563725E+22	2,558964E+22	2,487852E+22	2,313553E+22	2,082774E+22	1,913244E+22	1,913254E+22	2,082789E+22	2,313546E+22
-1590	2,487825E+22	2,558913E+22	2,563633E+22	2,563629E+22	2,558917E+22	2,487854E+22	2,313573E+22	2,082785E+22	1,913228E+22	1,913213E+22	2,082741E+22	2,313498E+22
-1589	2,487779E+22	2,558913E+22	2,563706E+22	2,563713E+22	2,558969E+22	2,487875E+22	2,313575E+22	2,082784E+22	1,913241E+22	1,913245E+22	2,082802E+22	2,313610E+22
-1588	2,487907E+22	2,558964E+22	2,563687E+22	2,563676E+22	2,558934E+22	2,487848E+22	2,313541E+22	2,082742E+22	1,913206E+22	1,913225E+22	2,082774E+22	2,313540E+22
-1587	2,487806E+22	2,558858E+22	2,563596E+22	2,563647E+22	2,558951E+22	2,487871E+22	2,313568E+22	2,082766E+22	1,913208E+22	1,913198E+22	2,082741E+22	2,313540E+22
-1586	2,487882E+22	2,559003E+22	2,563713E+22	2,563690E+22	2,558959E+22	2,487867E+22	2,313557E+22	2,082759E+22	1,913220E+22	1,913235E+22	2,082807E+22	2,313620E+22
-1585	2,487915E+22	2,558988E+22	2,563692E+22	2,563639E+22	2,558886E+22	2,487823E+22	2,313559E+22	2,082790E+22	1,913247E+22	1,913227E+22	2,082739E+22	2,313499E+22
-1584	2,487777E+22	2,558876E+22	2,563680E+22	2,563717E+22	2,558965E+22	2,487863E+22	2,313588E+22	2,082831E+22	1,913298E+22	1,913277E+22	2,082780E+22	2,313546E+22
-1583	2,487881E+22	2,559006E+22	2,563758E+22	2,563763E+22	2,558995E+22	2,487862E+22	2,313551E+22	2,082793E+22	1,913299E+22	1,913331E+22	2,082863E+22	2,313595E+22
-1582	2,487840E+22	2,558916E+22	2,563649E+22	2,563654E+22	2,558941E+22	2,487876E+22	2,313600E+22	2,082835E+22	1,913315E+22	1,913317E+22	2,082824E+22	2,313542E+22
-1581	2,487782E+22	2,558885E+22	2,563679E+22	2,563707E+22	2,558976E+22	2,487900E+22	2,313635E+22	2,082888E+22	1,913375E+22	1,913368E+22	2,082877E+22	2,313644E+22
-1580	2,487940E+22	2,559008E+22	2,563724E+22	2,563702E+22	2,558945E+22	2,487861E+22	2,313596E+22	2,082865E+22	1,913377E+22	1,913386E+22	2,082879E+22	2,313589E+22
-1579	2,487833E+22	2,558904E+22	2,563644E+22	2,563660E+22	2,558930E+22	2,487857E+22	2,313616E+22	2,082900E+22	1,913400E+22	1,913376E+22	2,082839E+22	2,313552E+22
-1578	2,487846E+22	2,558989E+22	2,563757E+22	2,563739E+22	2,558963E+22	2,487854E+22	2,313593E+22	2,082882E+22	1,913409E+22	1,913421E+22	2,082924E+22	2,313659E+22
-1577	2,487917E+22	2,558998E+22	2,563740E+22	2,563709E+22	2,558926E+22	2,487826E+22	2,313573E+22	2,082864E+22	1,913388E+22	1,913391E+22	2,082868E+22	2,313558E+22
-1576	2,487780E+22	2,558857E+22	2,563656E+22	2,563718E+22	2,558985E+22	2,487888E+22	2,313618E+22	2,082882E+22	1,913378E+22	1,913367E+22	2,082854E+22	2,313583E+22
-1575	2,487880E+22	2,559003E+22	2,563752E+22	2,563754E+22	2,558997E+22	2,487883E+22	2,313586E+22	2,082831E+22	1,913335E+22	1,913357E+22	2,082889E+22	2,313638E+22
-1574	2,487888E+22	2,558955E+22	2,563671E+22	2,563648E+22	2,558918E+22	2,487864E+22	2,313606E+22	2,082847E+22	1,913317E+22	1,913299E+22	2,082792E+22	2,313519E+22
-1573	2,487781E+22	2,558880E+22	2,563669E+22	2,563695E+22	2,558948E+22	2,487871E+22	2,313619E+22	2,082875E+22	1,913346E+22	1,913319E+22	2,082814E+22	2,313577E+22
-1572	2,487904E+22	2,559010E+22	2,563735E+22	2,563725E+22	2,558958E+22	2,487844E+22	2,313551E+22	2,082801E+22	1,913301E+22	1,913317E+22	2,082838E+22	2,313562E+22
-1571	2,487804E+22	2,558885E+22	2,563624E+22	2,563645E+22	2,558933E+22	2,487856E+22	2,313575E+22	2,082807E+22	1,913277E+22	1,913267E+22	2,082779E+22	2,313524E+22
-1570	2,487800E+22	2,558915E+22	2,563686E+22	2,563693E+22	2,558950E+22	2,487861E+22	2,313571E+22	2,082797E+22	1,913272E+22	1,913287E+22	2,082841E+22	2,313643E+22
-1569	2,487934E+22	2,558991E+22	2,563700E+22	2,563672E+22	2,558910E+22	2,487823E+22	2,313546E+22	2,082782E+22	1,913255E+22	1,913258E+22	2,082787E+22	2,313542E+22
-1568	2,487810E+22	2,558871E+22	2,563610E+22	2,563651E+22	2,558940E+22	2,487865E+22	2,313591E+22	2,082821E+22	1,913277E+22	1,913253E+22	2,082761E+22	2,313525E+22
-1567	2,487857E+22	2,559009E+22	2,563756E+22	2,563732E+22	2,558963E+22	2,487851E+22	2,313558E+22	2,082797E+22	1,913285E+22	1,913296E+22	2,082834E+22	2,313607E+22
-1566	2,487887E+22	2,558978E+22	2,563714E+22	2,563685E+22	2,558922E+22	2,487837E+22	2,313569E+22	2,082818E+22	1,913304E+22	1,913302E+22	2,082798E+22	2,313510E+22
-1565	2,487752E+22	2,558845E+22	2,563653E+22	2,563710E+22	2,558971E+22	2,487877E+22	2,313614E+22	2,082878E+22	1,913371E+22	1,913359E+22	2,082847E+22	2,313579E+22
-1564	2,487876E+22	2,558990E+22	2,563735E+22	2,563745E+22	2,558993E+22	2,487879E+22	2,313583E+22	2,082842E+22	1,913362E+22	1,913391E+22	2,082909E+22	2,313622E+22
-1563	2,487843E+22	2,558902E+22	2,563634E+22	2,563648E+22	2,558936E+22	2,487878E+22	2,313628E+22	2,082895E+22	1,913391E+22	1,913377E+22	2,082850E+22	2,313557E+22
-1562	2,487810E+22	2,558911E+22	2,563679E+22	2,563681E+22	2,558933E+22	2,487865E+22	2,313632E+22	2,082926E+22	1,913443E+22	1,913436E+22	2,082917E+22	2,313655E+22
-1561	2,487943E+22	2,559036E+22	2,563761E+22	2,563716E+22	2,558915E+22	2,487812E+22	2,313582E+22	2,082905E+22	1,913448E+22	1,913452E+22	2,082916E+22	2,313589E+22

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1560	2,487812E+22	2,558892E+22	2,563654E+22	2,563685E+22	2,558943E+22	2,487851E+22	2,313614E+22	2,082930E+22	1,913461E+22	1,913445E+22	2,082890E+22	2,313564E+22
-1559	2,487822E+22	2,558970E+22	2,563769E+22	2,563768E+22	2,558983E+22	2,487857E+22	2,313587E+22	2,082890E+22	1,913440E+22	1,913461E+22	2,082958E+22	2,313680E+22
-1558	2,487920E+22	2,558990E+22	2,563736E+22	2,563724E+22	2,558949E+22	2,487850E+22	2,313595E+22	2,082880E+22	1,913408E+22	1,913421E+22	2,082897E+22	2,313574E+22
-1557	2,487788E+22	2,558854E+22	2,563630E+22	2,563687E+22	2,558963E+22	2,487888E+22	2,313648E+22	2,082933E+22	1,913432E+22	1,913408E+22	2,082872E+22	2,313584E+22
-1556	2,487876E+22	2,559016E+22	2,563757E+22	2,563737E+22	2,558979E+22	2,487881E+22	2,313607E+22	2,082880E+22	1,913395E+22	1,913400E+22	2,082899E+22	2,313621E+22
-1555	2,487861E+22	2,558947E+22	2,563687E+22	2,563670E+22	2,558921E+22	2,487853E+22	2,313614E+22	2,082892E+22	1,913388E+22	1,913360E+22	2,082813E+22	2,313513E+22
-1554	2,487772E+22	2,558875E+22	2,563662E+22	2,563689E+22	2,558936E+22	2,487847E+22	2,313602E+22	2,082889E+22	1,913396E+22	1,913386E+22	2,082868E+22	2,313600E+22
-1553	2,487897E+22	2,559007E+22	2,563741E+22	2,563731E+22	2,558951E+22	2,487826E+22	2,313548E+22	2,082827E+22	1,913347E+22	1,913367E+22	2,082880E+22	2,313590E+22
-1552	2,487806E+22	2,558869E+22	2,563609E+22	2,563642E+22	2,558936E+22	2,487863E+22	2,313594E+22	2,082844E+22	1,913325E+22	1,913314E+22	2,082814E+22	2,313544E+22
-1551	2,487803E+22	2,558921E+22	2,563700E+22	2,563702E+22	2,558947E+22	2,487852E+22	2,313576E+22	2,082826E+22	1,913315E+22	1,913321E+22	2,082856E+22	2,313649E+22
-1550	2,487945E+22	2,559017E+22	2,563731E+22	2,563695E+22	2,558916E+22	2,487824E+22	2,313560E+22	2,082813E+22	1,913305E+22	1,913312E+22	2,082817E+22	2,313536E+22
-1549	2,487794E+22	2,558870E+22	2,563615E+22	2,563653E+22	2,558925E+22	2,487850E+22	2,313604E+22	2,082873E+22	1,913357E+22	1,913333E+22	2,082808E+22	2,313524E+22
-1548	2,487822E+22	2,558990E+22	2,563757E+22	2,563747E+22	2,558984E+22	2,487864E+22	2,313569E+22	2,082836E+22	1,913354E+22	1,913370E+22	2,082884E+22	2,313620E+22
-1547	2,487859E+22	2,558944E+22	2,563699E+22	2,563698E+22	2,558947E+22	2,487857E+22	2,313590E+22	2,082859E+22	1,913370E+22	1,913369E+22	2,082841E+22	2,313538E+22
-1546	2,487769E+22	2,558835E+22	2,563616E+22	2,563670E+22	2,558943E+22	2,487867E+22	2,313625E+22	2,082913E+22	1,913426E+22	1,913420E+22	2,082896E+22	2,313616E+22
-1545	2,487899E+22	2,559008E+22	2,563739E+22	2,563727E+22	2,558955E+22	2,487847E+22	2,313594E+22	2,082899E+22	1,913432E+22	1,913443E+22	2,082935E+22	2,313635E+22
-1544	2,487849E+22	2,558915E+22	2,563646E+22	2,563646E+22	2,558914E+22	2,487855E+22	2,313636E+22	2,082948E+22	1,913470E+22	1,913446E+22	2,082883E+22	2,313554E+22
-1543	2,487792E+22	2,558922E+22	2,563725E+22	2,563718E+22	2,558930E+22	2,487834E+22	2,313613E+22	2,082948E+22	1,913500E+22	1,913497E+22	2,082953E+22	2,313658E+22
-1542	2,487931E+22	2,559038E+22	2,563790E+22	2,563761E+22	2,558949E+22	2,487822E+22	2,313580E+22	2,082913E+22	1,913486E+22	1,913513E+22	2,082966E+22	2,313602E+22
-1541	2,487796E+22	2,558873E+22	2,563641E+22	2,563683E+22	2,558952E+22	2,487868E+22	2,313639E+22	2,082966E+22	1,913512E+22	1,913502E+22	2,082933E+22	2,313585E+22
-1540	2,487816E+22	2,558957E+22	2,563755E+22	2,563764E+22	2,559000E+22	2,487887E+22	2,313622E+22	2,082933E+22	1,913486E+22	1,913496E+22	2,082973E+22	2,313685E+22
-1539	2,487917E+22	2,558981E+22	2,563727E+22	2,563722E+22	2,558958E+22	2,487867E+22	2,313629E+22	2,082938E+22	1,913474E+22	1,913463E+22	2,082900E+22	2,313568E+22
-1538	2,487798E+22	2,558867E+22	2,563623E+22	2,563656E+22	2,558924E+22	2,487861E+22	2,313652E+22	2,082974E+22	1,913499E+22	1,913471E+22	2,082906E+22	2,313585E+22
-1537	2,487861E+22	2,559017E+22	2,563778E+22	2,563745E+22	2,558950E+22	2,487835E+22	2,313598E+22	2,082924E+22	1,913465E+22	1,913466E+22	2,082938E+22	2,313625E+22
-1536	2,487833E+22	2,558917E+22	2,563680E+22	2,563680E+22	2,558926E+22	2,487843E+22	2,313608E+22	2,082918E+22	1,913447E+22	1,913433E+22	2,082872E+22	2,313538E+22
-1535	2,487755E+22	2,558858E+22	2,563667E+22	2,563698E+22	2,558939E+22	2,487838E+22	2,313587E+22	2,082888E+22	1,913421E+22	1,913427E+22	2,082909E+22	2,313637E+22
-1534	2,487917E+22	2,559010E+22	2,563740E+22	2,563732E+22	2,558957E+22	2,487834E+22	2,313556E+22	2,082833E+22	1,913365E+22	1,913399E+22	2,082909E+22	2,313609E+22
-1533	2,487826E+22	2,558885E+22	2,563603E+22	2,563620E+22	2,558914E+22	2,487857E+22	2,313613E+22	2,082886E+22	1,913378E+22	1,913355E+22	2,082831E+22	2,313546E+22
-1532	2,487805E+22	2,558941E+22	2,563720E+22	2,563709E+22	2,558947E+22	2,487850E+22	2,313586E+22	2,082866E+22	1,913373E+22	1,913363E+22	2,082861E+22	2,313627E+22
-1531	2,487916E+22	2,559007E+22	2,563752E+22	2,563733E+22	2,558944E+22	2,487830E+22	2,313573E+22	2,082859E+22	1,913377E+22	1,913374E+22	2,082838E+22	2,313529E+22
-1530	2,487778E+22	2,558857E+22	2,563609E+22	2,563652E+22	2,558927E+22	2,487846E+22	2,313606E+22	2,082903E+22	1,913421E+22	1,913410E+22	2,082868E+22	2,313548E+22
-1529	2,487805E+22	2,558967E+22	2,563752E+22	2,563745E+22	2,558975E+22	2,487858E+22	2,313591E+22	2,082888E+22	1,913420E+22	1,913433E+22	2,082931E+22	2,313645E+22
-1528	2,487854E+22	2,558918E+22	2,563674E+22	2,563682E+22	2,558943E+22	2,487865E+22	2,313622E+22	2,082918E+22	1,913446E+22	1,913440E+22	2,082888E+22	2,313561E+22
-1527	2,487774E+22	2,558846E+22	2,563628E+22	2,563658E+22	2,558918E+22	2,487845E+22	2,313627E+22	2,082952E+22	1,913490E+22	1,913477E+22	2,082927E+22	2,313630E+22
-1526	2,487915E+22	2,559035E+22	2,563770E+22	2,563737E+22	2,558942E+22	2,487828E+22	2,313594E+22	2,082927E+22	1,913494E+22	1,913515E+22	2,082976E+22	2,313637E+22
-1525	2,487842E+22	2,558921E+22	2,563665E+22	2,563657E+22	2,558900E+22	2,487828E+22	2,313632E+22	2,082987E+22	1,913546E+22	1,913528E+22	2,082937E+22	2,313566E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \ominus	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1524	2,487774E+22	2,558911E+22	2,563733E+22	2,563745E+22	2,558962E+22	2,487844E+22	2,313610E+22	2,082969E+22	1,913552E+22	1,913556E+22	2,082993E+22	2,313671E+22
-1523	2,487915E+22	2,559015E+22	2,563787E+22	2,563784E+22	2,558986E+22	2,487853E+22	2,313606E+22	2,082948E+22	1,913535E+22	1,913558E+22	2,082991E+22	2,313621E+22
-1522	2,487812E+22	2,558871E+22	2,563621E+22	2,563654E+22	2,558935E+22	2,487869E+22	2,313660E+22	2,083002E+22	1,913560E+22	1,913547E+22	2,082964E+22	2,313600E+22
-1521	2,487821E+22	2,558965E+22	2,563764E+22	2,563751E+22	2,558969E+22	2,487868E+22	2,313646E+22	2,082995E+22	1,913552E+22	1,913541E+22	2,082983E+22	2,313673E+22
-1520	2,487902E+22	2,558976E+22	2,563734E+22	2,563723E+22	2,558945E+22	2,487855E+22	2,313643E+22	2,082990E+22	1,913551E+22	1,913533E+22	2,082932E+22	2,313557E+22
-1519	2,487767E+22	2,558859E+22	2,563648E+22	2,563673E+22	2,558918E+22	2,487834E+22	2,313632E+22	2,082990E+22	1,913551E+22	1,913533E+22	2,082948E+22	2,313598E+22
-1518	2,487853E+22	2,559007E+22	2,563787E+22	2,563765E+22	2,558971E+22	2,487840E+22	2,313589E+22	2,082922E+22	1,913496E+22	1,913526E+22	2,082993E+22	2,313653E+22
-1517	2,487834E+22	2,558899E+22	2,563661E+22	2,563662E+22	2,558916E+22	2,487843E+22	2,313619E+22	2,082942E+22	1,913486E+22	1,913481E+22	2,082917E+22	2,313571E+22
-1516	2,487769E+22	2,558853E+22	2,563655E+22	2,563693E+22	2,558948E+22	2,487850E+22	2,313601E+22	2,082914E+22	1,913454E+22	1,913452E+22	2,082920E+22	2,313644E+22
-1515	2,487929E+22	2,559022E+22	2,563750E+22	2,563736E+22	2,558964E+22	2,487844E+22	2,313579E+22	2,082876E+22	1,913417E+22	1,913431E+22	2,082906E+22	2,313600E+22
-1514	2,487836E+22	2,558905E+22	2,563617E+22	2,563604E+22	2,558884E+22	2,487833E+22	2,313616E+22	2,082923E+22	1,913440E+22	1,913416E+22	2,082860E+22	2,313539E+22
-1513	2,487782E+22	2,558936E+22	2,563747E+22	2,563731E+22	2,558938E+22	2,487826E+22	2,313592E+22	2,082916E+22	1,913446E+22	1,913431E+22	2,082895E+22	2,313620E+22
-1512	2,487881E+22	2,558969E+22	2,563741E+22	2,563746E+22	2,558963E+22	2,487841E+22	2,313585E+22	2,082898E+22	1,913449E+22	1,913455E+22	2,082896E+22	2,313547E+22
-1511	2,487757E+22	2,558833E+22	2,563606E+22	2,563646E+22	2,558923E+22	2,487844E+22	2,313611E+22	2,082927E+22	1,913469E+22	1,913467E+22	2,082917E+22	2,313584E+22
-1510	2,487825E+22	2,558965E+22	2,563745E+22	2,563733E+22	2,558966E+22	2,487859E+22	2,313606E+22	2,082916E+22	1,913469E+22	1,913492E+22	2,082972E+22	2,313664E+22
-1509	2,487871E+22	2,558930E+22	2,563671E+22	2,563655E+22	2,558904E+22	2,487843E+22	2,313637E+22	2,082973E+22	1,913523E+22	1,913509E+22	2,082926E+22	2,313571E+22
-1508	2,487778E+22	2,558864E+22	2,563654E+22	2,563675E+22	2,558918E+22	2,487829E+22	2,313623E+22	2,082988E+22	1,913558E+22	1,913541E+22	2,082954E+22	2,313623E+22
-1507	2,487899E+22	2,559035E+22	2,563800E+22	2,563779E+22	2,558971E+22	2,487832E+22	2,313597E+22	2,082963E+22	1,913562E+22	1,913581E+22	2,083010E+22	2,313642E+22
-1506	2,487838E+22	2,558917E+22	2,563671E+22	2,563664E+22	2,558909E+22	2,487831E+22	2,313635E+22	2,083011E+22	1,913601E+22	1,913597E+22	2,082993E+22	2,313592E+22
-1505	2,487767E+22	2,558896E+22	2,563738E+22	2,563757E+22	2,558965E+22	2,487851E+22	2,313641E+22	2,083021E+22	1,913607E+22	1,913604E+22	2,083022E+22	2,313681E+22
-1504	2,487909E+22	2,558992E+22	2,563768E+22	2,563779E+22	2,558995E+22	2,487876E+22	2,313646E+22	2,083008E+22	1,913605E+22	1,913617E+22	2,083022E+22	2,313626E+22
-1503	2,487807E+22	2,558879E+22	2,563635E+22	2,563642E+22	2,558912E+22	2,487858E+22	2,313672E+22	2,083044E+22	1,913620E+22	1,913600E+22	2,082990E+22	2,313604E+22
-1502	2,487820E+22	2,558968E+22	2,563778E+22	2,563753E+22	2,558952E+22	2,487851E+22	2,313647E+22	2,083022E+22	1,913612E+22	1,913612E+22	2,083024E+22	2,313669E+22
-1501	2,487881E+22	2,558959E+22	2,563732E+22	2,563719E+22	2,558927E+22	2,487830E+22	2,313637E+22	2,083022E+22	1,913618E+22	1,913612E+22	2,082992E+22	2,313579E+22
-1500	2,487757E+22	2,558839E+22	2,563637E+22	2,563681E+22	2,558934E+22	2,487832E+22	2,313616E+22	2,082993E+22	1,913583E+22	1,913578E+22	2,082987E+22	2,313621E+22
-1499	2,487858E+22	2,558991E+22	2,563773E+22	2,563766E+22	2,558982E+22	2,487854E+22	2,313601E+22	2,082939E+22	1,913523E+22	1,913550E+22	2,083010E+22	2,313679E+22
-1498	2,487868E+22	2,558913E+22	2,563653E+22	2,563634E+22	2,558887E+22	2,487828E+22	2,313624E+22	2,082964E+22	1,913517E+22	1,913509E+22	2,082935E+22	2,313583E+22
-1497	2,487785E+22	2,558877E+22	2,563683E+22	2,563693E+22	2,558917E+22	2,487827E+22	2,313619E+22	2,082963E+22	1,913504E+22	1,913481E+22	2,082916E+22	2,313618E+22
-1496	2,487909E+22	2,559022E+22	2,563773E+22	2,563758E+22	2,558969E+22	2,487844E+22	2,313595E+22	2,082924E+22	1,913488E+22	1,913495E+22	2,082929E+22	2,313575E+22
-1495	2,487796E+22	2,558898E+22	2,563649E+22	2,563631E+22	2,558892E+22	2,487824E+22	2,313609E+22	2,082945E+22	1,913495E+22	1,913481E+22	2,082902E+22	2,313543E+22
-1494	2,487761E+22	2,558908E+22	2,563746E+22	2,563749E+22	2,558961E+22	2,487845E+22	2,313602E+22	2,082935E+22	1,913498E+22	1,913506E+22	2,082951E+22	2,313634E+22
-1493	2,487867E+22	2,558937E+22	2,563715E+22	2,563727E+22	2,558954E+22	2,487848E+22	2,313613E+22	2,082948E+22	1,913518E+22	1,913527E+22	2,082955E+22	2,313583E+22
-1492	2,487769E+22	2,558821E+22	2,563585E+22	2,563635E+22	2,558924E+22	2,487846E+22	2,313626E+22	2,082970E+22	1,913531E+22	1,913521E+22	2,082947E+22	2,313600E+22
-1491	2,487843E+22	2,558978E+22	2,563752E+22	2,563730E+22	2,558957E+22	2,487857E+22	2,313626E+22	2,082970E+22	1,913543E+22	1,913551E+22	2,082997E+22	2,313674E+22
-1490	2,487888E+22	2,558953E+22	2,563694E+22	2,563649E+22	2,558868E+22	2,487805E+22	2,313629E+22	2,083010E+22	1,913597E+22	1,913590E+22	2,082981E+22	2,313582E+22
-1489	2,487767E+22	2,558866E+22	2,563688E+22	2,563707E+22	2,558913E+22	2,487807E+22	2,313625E+22	2,083029E+22	1,913625E+22	1,913612E+22	2,083000E+22	2,313629E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1488	2,487877E+22	2,559009E+22	2,563799E+22	2,563802E+22	2,559002E+22	2,487855E+22	2,313614E+22	2,082997E+22	1,913625E+22	1,913655E+22	2,083064E+22	2,313659E+22
-1487	2,487825E+22	2,558906E+22	2,563675E+22	2,563665E+22	2,558912E+22	2,487842E+22	2,313650E+22	2,083036E+22	1,913641E+22	1,913643E+22	2,083029E+22	2,313617E+22
-1486	2,487786E+22	2,558896E+22	2,563735E+22	2,563752E+22	2,558964E+22	2,487863E+22	2,313666E+22	2,083057E+22	1,913660E+22	1,913656E+22	2,083046E+22	2,313678E+22
-1485	2,487908E+22	2,558995E+22	2,563765E+22	2,563756E+22	2,558960E+22	2,487858E+22	2,313667E+22	2,083066E+22	1,913680E+22	1,913680E+22	2,083052E+22	2,313624E+22
-1484	2,487794E+22	2,558873E+22	2,563644E+22	2,563656E+22	2,558910E+22	2,487840E+22	2,313668E+22	2,083077E+22	1,913682E+22	1,913659E+22	2,083018E+22	2,313597E+22
-1483	2,487802E+22	2,558956E+22	2,563786E+22	2,563775E+22	2,558966E+22	2,487851E+22	2,313649E+22	2,083048E+22	1,913665E+22	1,913667E+22	2,083061E+22	2,313684E+22
-1482	2,487880E+22	2,558948E+22	2,563721E+22	2,563705E+22	2,558911E+22	2,487817E+22	2,313630E+22	2,083034E+22	1,913655E+22	1,913666E+22	2,083046E+22	2,313612E+22
-1481	2,487765E+22	2,558834E+22	2,563639E+22	2,563682E+22	2,558920E+22	2,487827E+22	2,313636E+22	2,083025E+22	1,913615E+22	1,913607E+22	2,083006E+22	2,313633E+22
-1480	2,487867E+22	2,558989E+22	2,563765E+22	2,563762E+22	2,558984E+22	2,487864E+22	2,313624E+22	2,082980E+22	1,913573E+22	1,913590E+22	2,083026E+22	2,313670E+22
-1479	2,487865E+22	2,558938E+22	2,563684E+22	2,563636E+22	2,558867E+22	2,487813E+22	2,313627E+22	2,082991E+22	1,913562E+22	1,913547E+22	2,082948E+22	2,313574E+22
-1478	2,487778E+22	2,558884E+22	2,563711E+22	2,563719E+22	2,558918E+22	2,487816E+22	2,313618E+22	2,082989E+22	1,913562E+22	1,913548E+22	2,082947E+22	2,313596E+22
-1477	2,487869E+22	2,558993E+22	2,563771E+22	2,563769E+22	2,558970E+22	2,487837E+22	2,313602E+22	2,082965E+22	1,913559E+22	1,913574E+22	2,082988E+22	2,313591E+22
-1476	2,487773E+22	2,558860E+22	2,563628E+22	2,563645E+22	2,558918E+22	2,487839E+22	2,313616E+22	2,082968E+22	1,913545E+22	1,913541E+22	2,082951E+22	2,313570E+22
-1475	2,487763E+22	2,558885E+22	2,563718E+22	2,563737E+22	2,558965E+22	2,487865E+22	2,313633E+22	2,082976E+22	1,913549E+22	1,913552E+22	2,082988E+22	2,313667E+22
-1474	2,487896E+22	2,558946E+22	2,563698E+22	2,563687E+22	2,558911E+22	2,487826E+22	2,313624E+22	2,082991E+22	1,913578E+22	1,913587E+22	2,082999E+22	2,313608E+22
-1473	2,487791E+22	2,558848E+22	2,563611E+22	2,563634E+22	2,558883E+22	2,487813E+22	2,313638E+22	2,083023E+22	1,913599E+22	1,913577E+22	2,082968E+22	2,313593E+22
-1472	2,487835E+22	2,558984E+22	2,563777E+22	2,563757E+22	2,558959E+22	2,487845E+22	2,313630E+22	2,083014E+22	1,913622E+22	1,913631E+22	2,083041E+22	2,313667E+22
-1471	2,487866E+22	2,558962E+22	2,563734E+22	2,563684E+22	2,558881E+22	2,487797E+22	2,313619E+22	2,083027E+22	1,913648E+22	1,913656E+22	2,083032E+22	2,313602E+22
-1470	2,487762E+22	2,558856E+22	2,563698E+22	2,563731E+22	2,558937E+22	2,487828E+22	2,313637E+22	2,083049E+22	1,913675E+22	1,913678E+22	2,083045E+22	2,313637E+22
-1469	2,487862E+22	2,558985E+22	2,563782E+22	2,563795E+22	2,559001E+22	2,487872E+22	2,313654E+22	2,083055E+22	1,913692E+22	1,913717E+22	2,083107E+22	2,313681E+22
-1468	2,487831E+22	2,558896E+22	2,563659E+22	2,563664E+22	2,558919E+22	2,487851E+22	2,313675E+22	2,083087E+22	1,913705E+22	1,913691E+22	2,083047E+22	2,313615E+22
-1467	2,487787E+22	2,558899E+22	2,563731E+22	2,563743E+22	2,558951E+22	2,487863E+22	2,313694E+22	2,083115E+22	1,913734E+22	1,913712E+22	2,083069E+22	2,313675E+22
-1466	2,487900E+22	2,558997E+22	2,563771E+22	2,563746E+22	2,558923E+22	2,487818E+22	2,313658E+22	2,083103E+22	1,913753E+22	1,913759E+22	2,083110E+22	2,313639E+22
-1465	2,487780E+22	2,558863E+22	2,563656E+22	2,563670E+22	2,558893E+22	2,487810E+22	2,313661E+22	2,083105E+22	1,913736E+22	1,913721E+22	2,083064E+22	2,313612E+22
-1464	2,487789E+22	2,558932E+22	2,563772E+22	2,563780E+22	2,558976E+22	2,487857E+22	2,313653E+22	2,083067E+22	1,913708E+22	1,913723E+22	2,083109E+22	2,313706E+22
-1463	2,487884E+22	2,558958E+22	2,563728E+22	2,563700E+22	2,558898E+22	2,487808E+22	2,313629E+22	2,083040E+22	1,913673E+22	1,913690E+22	2,083070E+22	2,313636E+22
-1462	2,487790E+22	2,558855E+22	2,563650E+22	2,563685E+22	2,558915E+22	2,487825E+22	2,313642E+22	2,083044E+22	1,913650E+22	1,913639E+22	2,083011E+22	2,313616E+22
-1461	2,487858E+22	2,558999E+22	2,563779E+22	2,563763E+22	2,558968E+22	2,487854E+22	2,313641E+22	2,083027E+22	1,913635E+22	1,913640E+22	2,083044E+22	2,313657E+22
-1460	2,487842E+22	2,558927E+22	2,563697E+22	2,563675E+22	2,558892E+22	2,487811E+22	2,313628E+22	2,083020E+22	1,913616E+22	1,913599E+22	2,082969E+22	2,313560E+22
-1459	2,487750E+22	2,558861E+22	2,563706E+22	2,563743E+22	2,558948E+22	2,487839E+22	2,313640E+22	2,083026E+22	1,913619E+22	1,913604E+22	2,082989E+22	2,313612E+22
-1458	2,487852E+22	2,558966E+22	2,563747E+22	2,563753E+22	2,558958E+22	2,487836E+22	2,313617E+22	2,082998E+22	1,913613E+22	1,913640E+22	2,083051E+22	2,313630E+22
-1457	2,487779E+22	2,558845E+22	2,563614E+22	2,563633E+22	2,558894E+22	2,487833E+22	2,313648E+22	2,083021E+22	1,913601E+22	1,913591E+22	2,082987E+22	2,313592E+22
-1456	2,487778E+22	2,558889E+22	2,563704E+22	2,563719E+22	2,558948E+22	2,487862E+22	2,313657E+22	2,083031E+22	1,913623E+22	1,913618E+22	2,083025E+22	2,313672E+22
-1455	2,487902E+22	2,558983E+22	2,563727E+22	2,563679E+22	2,558874E+22	2,487792E+22	2,313618E+22	2,083022E+22	1,913638E+22	1,913648E+22	2,083035E+22	2,313618E+22
-1454	2,487795E+22	2,558869E+22	2,563650E+22	2,563667E+22	2,558883E+22	2,487791E+22	2,313623E+22	2,083046E+22	1,913666E+22	1,913656E+22	2,083012E+22	2,313588E+22
-1453	2,487810E+22	2,558971E+22	2,563785E+22	2,563779E+22	2,558969E+22	2,487838E+22	2,313631E+22	2,083047E+22	1,913689E+22	1,913707E+22	2,083099E+22	2,313689E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1452	2,487851E+22	2,558932E+22	2,563722E+22	2,563713E+22	2,558917E+22	2,487815E+22	2,313631E+22	2,083051E+22	1,913694E+22	1,913706E+22	2,083068E+22	2,313620E+22
-1451	2,487766E+22	2,558846E+22	2,563683E+22	2,563732E+22	2,558951E+22	2,487856E+22	2,313680E+22	2,083103E+22	1,913729E+22	1,913718E+22	2,083072E+22	2,313653E+22
-1450	2,487867E+22	2,558988E+22	2,563771E+22	2,563764E+22	2,558963E+22	2,487855E+22	2,313676E+22	2,083112E+22	1,913764E+22	1,913777E+22	2,083141E+22	2,313688E+22
-1449	2,487830E+22	2,558907E+22	2,563678E+22	2,563662E+22	2,558883E+22	2,487825E+22	2,313696E+22	2,083147E+22	1,913782E+22	1,913756E+22	2,083072E+22	2,313603E+22
-1448	2,487765E+22	2,558891E+22	2,563737E+22	2,563757E+22	2,558950E+22	2,487849E+22	2,313695E+22	2,083158E+22	1,913813E+22	1,913796E+22	2,083120E+22	2,313672E+22
-1447	2,487874E+22	2,558997E+22	2,563785E+22	2,563757E+22	2,558921E+22	2,487801E+22	2,313640E+22	2,083110E+22	1,913794E+22	1,913818E+22	2,083165E+22	2,313673E+22
-1446	2,487784E+22	2,558858E+22	2,563660E+22	2,563686E+22	2,558906E+22	2,487813E+22	2,313655E+22	2,083111E+22	1,913770E+22	1,913770E+22	2,083102E+22	2,313632E+22
-1445	2,487789E+22	2,558922E+22	2,563759E+22	2,563772E+22	2,558971E+22	2,487859E+22	2,313673E+22	2,083104E+22	1,913752E+22	1,913762E+22	2,083139E+22	2,313728E+22
-1444	2,487897E+22	2,558959E+22	2,563725E+22	2,563712E+22	2,558911E+22	2,487813E+22	2,313642E+22	2,083071E+22	1,913712E+22	1,913716E+22	2,083073E+22	2,313627E+22
-1443	2,487792E+22	2,558871E+22	2,563665E+22	2,563693E+22	2,558915E+22	2,487832E+22	2,313669E+22	2,083091E+22	1,913705E+22	1,913678E+22	2,083025E+22	2,313604E+22
-1442	2,487829E+22	2,558991E+22	2,563787E+22	2,563766E+22	2,558951E+22	2,487831E+22	2,313642E+22	2,083065E+22	1,913701E+22	1,913708E+22	2,083090E+22	2,313665E+22
-1441	2,487818E+22	2,558907E+22	2,563697E+22	2,563685E+22	2,558891E+22	2,487807E+22	2,313641E+22	2,083056E+22	1,913672E+22	1,913659E+22	2,083013E+22	2,313575E+22
-1440	2,487734E+22	2,558828E+22	2,563670E+22	2,563730E+22	2,558955E+22	2,487854E+22	2,313661E+22	2,083062E+22	1,913676E+22	1,913668E+22	2,083040E+22	2,313637E+22
-1439	2,487858E+22	2,558973E+22	2,563738E+22	2,563729E+22	2,558930E+22	2,487820E+22	2,313622E+22	2,083024E+22	1,913653E+22	1,913681E+22	2,083088E+22	2,313666E+22
-1438	2,487811E+22	2,558873E+22	2,563626E+22	2,563624E+22	2,558867E+22	2,487806E+22	2,313641E+22	2,083050E+22	1,913659E+22	1,913644E+22	2,083007E+22	2,313586E+22
-1437	2,487773E+22	2,558906E+22	2,563728E+22	2,563723E+22	2,558922E+22	2,487831E+22	2,313658E+22	2,083076E+22	1,913697E+22	1,913686E+22	2,083061E+22	2,313674E+22
-1436	2,487887E+22	2,558982E+22	2,563755E+22	2,563731E+22	2,558901E+22	2,487780E+22	2,313606E+22	2,083043E+22	1,913695E+22	1,913708E+22	2,083067E+22	2,313615E+22
-1435	2,487776E+22	2,558862E+22	2,563660E+22	2,563699E+22	2,558919E+22	2,487816E+22	2,313644E+22	2,083081E+22	1,913720E+22	1,913710E+22	2,083055E+22	2,313604E+22
-1434	2,487790E+22	2,558948E+22	2,563774E+22	2,563778E+22	2,558971E+22	2,487848E+22	2,313655E+22	2,083092E+22	1,913751E+22	1,913771E+22	2,083151E+22	2,313718E+22
-1433	2,487854E+22	2,558921E+22	2,563712E+22	2,563709E+22	2,558910E+22	2,487826E+22	2,313675E+22	2,083116E+22	1,913763E+22	1,913760E+22	2,083095E+22	2,313627E+22
-1432	2,487766E+22	2,558843E+22	2,563665E+22	2,563714E+22	2,558942E+22	2,487863E+22	2,313716E+22	2,083172E+22	1,913818E+22	1,913794E+22	2,083109E+22	2,313646E+22
-1431	2,487853E+22	2,559006E+22	2,563792E+22	2,563756E+22	2,558928E+22	2,487821E+22	2,313674E+22	2,083152E+22	1,913836E+22	1,913850E+22	2,083188E+22	2,313701E+22
-1430	2,487823E+22	2,558910E+22	2,563700E+22	2,563684E+22	2,558877E+22	2,487794E+22	2,313673E+22	2,083170E+22	1,913854E+22	1,913840E+22	2,083125E+22	2,313611E+22
-1429	2,487742E+22	2,558869E+22	2,563731E+22	2,563762E+22	2,558951E+22	2,487838E+22	2,313689E+22	2,083180E+22	1,913870E+22	1,913869E+22	2,083184E+22	2,313712E+22
-1428	2,487876E+22	2,558975E+22	2,563770E+22	2,563771E+22	2,558944E+22	2,487809E+22	2,313640E+22	2,083118E+22	1,913819E+22	1,913851E+22	2,083192E+22	2,313699E+22
-1427	2,487808E+22	2,558871E+22	2,563655E+22	2,563682E+22	2,558913E+22	2,487832E+22	2,313685E+22	2,083145E+22	1,913799E+22	1,913785E+22	2,083112E+22	2,313645E+22
-1426	2,487800E+22	2,558939E+22	2,563765E+22	2,563756E+22	2,558942E+22	2,487840E+22	2,313685E+22	2,083145E+22	1,913803E+22	1,913798E+22	2,083150E+22	2,313725E+22
-1425	2,487892E+22	2,558971E+22	2,563752E+22	2,563727E+22	2,558898E+22	2,487802E+22	2,313662E+22	2,083119E+22	1,913771E+22	1,913761E+22	2,083080E+22	2,313603E+22
-1424	2,487761E+22	2,558859E+22	2,563670E+22	2,563713E+22	2,558932E+22	2,487838E+22	2,313682E+22	2,083134E+22	1,913775E+22	1,913750E+22	2,083065E+22	2,313592E+22
-1423	2,487791E+22	2,558976E+22	2,563786E+22	2,563766E+22	2,558950E+22	2,487826E+22	2,313640E+22	2,083082E+22	1,913744E+22	1,913765E+22	2,083139E+22	2,313692E+22
-1422	2,487814E+22	2,558891E+22	2,563687E+22	2,563684E+22	2,558893E+22	2,487807E+22	2,313644E+22	2,083081E+22	1,913725E+22	1,913718E+22	2,083053E+22	2,313596E+22
-1421	2,487737E+22	2,558817E+22	2,563648E+22	2,563704E+22	2,558933E+22	2,487842E+22	2,313676E+22	2,083108E+22	1,913737E+22	1,913724E+22	2,083079E+22	2,313664E+22
-1420	2,487873E+22	2,558975E+22	2,563734E+22	2,563728E+22	2,558922E+22	2,487803E+22	2,313623E+22	2,083056E+22	1,913707E+22	1,913725E+22	2,083104E+22	2,313669E+22
-1419	2,487820E+22	2,558899E+22	2,563655E+22	2,563641E+22	2,558863E+22	2,487795E+22	2,313650E+22	2,083089E+22	1,913718E+22	1,913697E+22	2,083039E+22	2,313589E+22
-1418	2,487752E+22	2,558903E+22	2,563748E+22	2,563741E+22	2,558914E+22	2,487801E+22	2,313644E+22	2,083106E+22	1,913763E+22	1,913761E+22	2,083116E+22	2,313692E+22
-1417	2,487872E+22	2,558965E+22	2,563762E+22	2,563753E+22	2,558919E+22	2,487792E+22	2,313623E+22	2,083075E+22	1,913750E+22	1,913770E+22	2,083110E+22	2,313630E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1416	2,487764E+22	2,558841E+22	2,563641E+22	2,563698E+22	2,558938E+22	2,487845E+22	2,313679E+22	2,083129E+22	1,913785E+22	1,913778E+22	2,083099E+22	2,313615E+22
-1415	2,487786E+22	2,558951E+22	2,563768E+22	2,563758E+22	2,558952E+22	2,487844E+22	2,313676E+22	2,083137E+22	1,913810E+22	1,913823E+22	2,083182E+22	2,313736E+22
-1414	2,487868E+22	2,558939E+22	2,563724E+22	2,563705E+22	2,558893E+22	2,487808E+22	2,313679E+22	2,083166E+22	1,913847E+22	1,913831E+22	2,083120E+22	2,313618E+22
-1413	2,487749E+22	2,558843E+22	2,563674E+22	2,563712E+22	2,558920E+22	2,487837E+22	2,313721E+22	2,083226E+22	1,913906E+22	1,913879E+22	2,083159E+22	2,313659E+22
-1412	2,487836E+22	2,558986E+22	2,563800E+22	2,563790E+22	2,558946E+22	2,487809E+22	2,313663E+22	2,083174E+22	1,913893E+22	1,913916E+22	2,083232E+22	2,313719E+22
-1411	2,487819E+22	2,558905E+22	2,563706E+22	2,563700E+22	2,558896E+22	2,487809E+22	2,313686E+22	2,083194E+22	1,913894E+22	1,913889E+22	2,083175E+22	2,313644E+22
-1410	2,487740E+22	2,558857E+22	2,563725E+22	2,563755E+22	2,558940E+22	2,487831E+22	2,313699E+22	2,083209E+22	1,913915E+22	1,913917E+22	2,083226E+22	2,313746E+22
-1409	2,487898E+22	2,558983E+22	2,563771E+22	2,563765E+22	2,558938E+22	2,487819E+22	2,313672E+22	2,083161E+22	1,913865E+22	1,913883E+22	2,083200E+22	2,313696E+22
-1408	2,487813E+22	2,558884E+22	2,563658E+22	2,563674E+22	2,558909E+22	2,487841E+22	2,313713E+22	2,083199E+22	1,913867E+22	1,913838E+22	2,083124E+22	2,313619E+22
-1407	2,487780E+22	2,558955E+22	2,563793E+22	2,563761E+22	2,558922E+22	2,487816E+22	2,313683E+22	2,083177E+22	1,913860E+22	1,913852E+22	2,083175E+22	2,313720E+22
-1406	2,487872E+22	2,558963E+22	2,563770E+22	2,563752E+22	2,558905E+22	2,487780E+22	2,313641E+22	2,083140E+22	1,913836E+22	1,913831E+22	2,083118E+22	2,313600E+22
-1405	2,487725E+22	2,558820E+22	2,563649E+22	2,563705E+22	2,558935E+22	2,487837E+22	2,313686E+22	2,083160E+22	1,913830E+22	1,913818E+22	2,083124E+22	2,313628E+22
-1404	2,487786E+22	2,558936E+22	2,563759E+22	2,563766E+22	2,558959E+22	2,487830E+22	2,313646E+22	2,083098E+22	1,913775E+22	1,913802E+22	2,083169E+22	2,313720E+22
-1403	2,487837E+22	2,558901E+22	2,563679E+22	2,563665E+22	2,558880E+22	2,487809E+22	2,313665E+22	2,083116E+22	1,913763E+22	1,913749E+22	2,083078E+22	2,313614E+22
-1402	2,487746E+22	2,558833E+22	2,563660E+22	2,563686E+22	2,558894E+22	2,487807E+22	2,313671E+22	2,083144E+22	1,913798E+22	1,913778E+22	2,083107E+22	2,313673E+22
-1401	2,487878E+22	2,558992E+22	2,563767E+22	2,563744E+22	2,558912E+22	2,487788E+22	2,313628E+22	2,083091E+22	1,913768E+22	1,913782E+22	2,083125E+22	2,313656E+22
-1400	2,487800E+22	2,558895E+22	2,563671E+22	2,563670E+22	2,558891E+22	2,487807E+22	2,313659E+22	2,083125E+22	1,913786E+22	1,913772E+22	2,083081E+22	2,313584E+22
-1399	2,487727E+22	2,558896E+22	2,563757E+22	2,563754E+22	2,558927E+22	2,487810E+22	2,313653E+22	2,083129E+22	1,913810E+22	1,913818E+22	2,083160E+22	2,313717E+22
-1398	2,487872E+22	2,558953E+22	2,563762E+22	2,563764E+22	2,558933E+22	2,487803E+22	2,313639E+22	2,083119E+22	1,913818E+22	1,913832E+22	2,083144E+22	2,313641E+22
-1397	2,487760E+22	2,558828E+22	2,563624E+22	2,563676E+22	2,558927E+22	2,487852E+22	2,313715E+22	2,083197E+22	1,913869E+22	1,913851E+22	2,083143E+22	2,313635E+22
-1396	2,487787E+22	2,558939E+22	2,563765E+22	2,563757E+22	2,558943E+22	2,487836E+22	2,313693E+22	2,083188E+22	1,913886E+22	1,913890E+22	2,083209E+22	2,313734E+22
-1395	2,487865E+22	2,558952E+22	2,563747E+22	2,563714E+22	2,558881E+22	2,487795E+22	2,313692E+22	2,083217E+22	1,913921E+22	1,913907E+22	2,083174E+22	2,313632E+22
-1394	2,487730E+22	2,558829E+22	2,563682E+22	2,563717E+22	2,558904E+22	2,487803E+22	2,313703E+22	2,083255E+22	1,913978E+22	1,913964E+22	2,083227E+22	2,313695E+22
-1393	2,487837E+22	2,558970E+22	2,563796E+22	2,563792E+22	2,558951E+22	2,487816E+22	2,313673E+22	2,083196E+22	1,913940E+22	1,913973E+22	2,083276E+22	2,313745E+22
-1392	2,487831E+22	2,558902E+22	2,563700E+22	2,563698E+22	2,558904E+22	2,487826E+22	2,313710E+22	2,083229E+22	1,913942E+22	1,913938E+22	2,083205E+22	2,313655E+22
-1391	2,487755E+22	2,558880E+22	2,563734E+22	2,563740E+22	2,558915E+22	2,487817E+22	2,313705E+22	2,083236E+22	1,913951E+22	1,913945E+22	2,083235E+22	2,313748E+22
-1390	2,487909E+22	2,559007E+22	2,563800E+22	2,563777E+22	2,558929E+22	2,487800E+22	2,313668E+22	2,083199E+22	1,913930E+22	1,913932E+22	2,083204E+22	2,313667E+22
-1389	2,487783E+22	2,558878E+22	2,563678E+22	2,563687E+22	2,558906E+22	2,487829E+22	2,313718E+22	2,083239E+22	1,913936E+22	1,913907E+22	2,083159E+22	2,313613E+22
-1388	2,487742E+22	2,558909E+22	2,563789E+22	2,563792E+22	2,558948E+22	2,487819E+22	2,313680E+22	2,083195E+22	1,913905E+22	1,913906E+22	2,083208E+22	2,313722E+22
-1387	2,487853E+22	2,558939E+22	2,563761E+22	2,563758E+22	2,558923E+22	2,487804E+22	2,313663E+22	2,083166E+22	1,913872E+22	1,913877E+22	2,083168E+22	2,313631E+22
-1386	2,487720E+22	2,558793E+22	2,563624E+22	2,563679E+22	2,558910E+22	2,487824E+22	2,313695E+22	2,083193E+22	1,913878E+22	1,913868E+22	2,083169E+22	2,313667E+22
-1385	2,487815E+22	2,558938E+22	2,563745E+22	2,563736E+22	2,558936E+22	2,487831E+22	2,313669E+22	2,083137E+22	1,913824E+22	1,913842E+22	2,083186E+22	2,313724E+22
-1384	2,487853E+22	2,558922E+22	2,563692E+22	2,563655E+22	2,558861E+22	2,487801E+22	2,313679E+22	2,083160E+22	1,913829E+22	1,913811E+22	2,083102E+22	2,313600E+22
-1383	2,487739E+22	2,558856E+22	2,563696E+22	2,563699E+22	2,558873E+22	2,487773E+22	2,313655E+22	2,083164E+22	1,913850E+22	1,913838E+22	2,083142E+22	2,313676E+22
-1382	2,487868E+22	2,558992E+22	2,563794E+22	2,563780E+22	2,558932E+22	2,487775E+22	2,313607E+22	2,083112E+22	1,913833E+22	1,913852E+22	2,083165E+22	2,313658E+22
-1381	2,487776E+22	2,558867E+22	2,563663E+22	2,563675E+22	2,558908E+22	2,487824E+22	2,313678E+22	2,083161E+22	1,913846E+22	1,913840E+22	2,083136E+22	2,313615E+22

1 Longitude ⊙ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1380	2,487723E+22	2,558859E+22	2,563739E+22	2,563762E+22	2,558941E+22	2,487828E+22	2,313680E+22	2,083169E+22	1,913859E+22	1,913862E+22	2,083184E+22	2,313728E+22
-1379	2,487886E+22	2,558963E+22	2,563764E+22	2,563753E+22	2,558924E+22	2,487814E+22	2,313677E+22	2,083179E+22	1,913880E+22	1,913884E+22	2,083177E+22	2,313649E+22
-1378	2,487753E+22	2,558830E+22	2,563636E+22	2,563662E+22	2,558886E+22	2,487820E+22	2,313724E+22	2,083256E+22	1,913958E+22	1,913932E+22	2,083188E+22	2,313647E+22
-1377	2,487786E+22	2,558941E+22	2,563782E+22	2,563763E+22	2,558932E+22	2,487825E+22	2,313702E+22	2,083232E+22	1,913965E+22	1,913971E+22	2,083253E+22	2,313734E+22
-1376	2,487850E+22	2,558942E+22	2,563753E+22	2,563729E+22	2,558895E+22	2,487799E+22	2,313698E+22	2,083252E+22	1,913994E+22	1,913993E+22	2,083232E+22	2,313643E+22
-1375	2,487724E+22	2,558829E+22	2,563690E+22	2,563723E+22	2,558902E+22	2,487797E+22	2,313700E+22	2,083269E+22	1,914019E+22	1,914019E+22	2,083277E+22	2,313731E+22
-1374	2,487857E+22	2,558975E+22	2,563804E+22	2,563802E+22	2,558955E+22	2,487809E+22	2,313672E+22	2,083228E+22	1,913995E+22	1,914019E+22	2,083298E+22	2,313750E+22
-1373	2,487833E+22	2,558902E+22	2,563697E+22	2,563688E+22	2,558897E+22	2,487830E+22	2,313733E+22	2,083277E+22	1,914003E+22	1,913989E+22	2,083231E+22	2,313659E+22
-1372	2,487749E+22	2,558872E+22	2,563750E+22	2,563760E+22	2,558916E+22	2,487813E+22	2,313717E+22	2,083273E+22	1,914004E+22	1,913989E+22	2,083244E+22	2,313725E+22
-1371	2,487889E+22	2,559009E+22	2,563824E+22	2,563799E+22	2,558933E+22	2,487799E+22	2,313682E+22	2,083235E+22	1,913981E+22	1,913989E+22	2,083246E+22	2,313665E+22
-1370	2,487745E+22	2,558844E+22	2,563670E+22	2,563689E+22	2,558899E+22	2,487814E+22	2,313713E+22	2,083265E+22	1,913995E+22	1,913978E+22	2,083219E+22	2,313645E+22
-1369	2,487740E+22	2,558877E+22	2,563758E+22	2,563771E+22	2,558948E+22	2,487839E+22	2,313699E+22	2,083216E+22	1,913944E+22	1,913954E+22	2,083246E+22	2,313742E+22
-1368	2,487864E+22	2,558928E+22	2,563737E+22	2,563733E+22	2,558911E+22	2,487813E+22	2,313688E+22	2,083204E+22	1,913918E+22	1,913923E+22	2,083196E+22	2,313644E+22
-1367	2,487745E+22	2,558820E+22	2,563628E+22	2,563656E+22	2,558869E+22	2,487793E+22	2,313690E+22	2,083216E+22	1,913916E+22	1,913901E+22	2,083185E+22	2,313678E+22
-1366	2,487836E+22	2,558971E+22	2,563780E+22	2,563749E+22	2,558914E+22	2,487792E+22	2,313651E+22	2,083169E+22	1,913888E+22	1,913893E+22	2,083199E+22	2,313705E+22
-1365	2,487835E+22	2,558925E+22	2,563721E+22	2,563682E+22	2,558866E+22	2,487790E+22	2,313678E+22	2,083191E+22	1,913891E+22	1,913879E+22	2,083146E+22	2,313603E+22
-1364	2,487713E+22	2,558827E+22	2,563710E+22	2,563743E+22	2,558906E+22	2,487786E+22	2,313659E+22	2,083181E+22	1,913892E+22	1,913888E+22	2,083174E+22	2,313676E+22
-1363	2,487853E+22	2,558980E+22	2,563800E+22	2,563799E+22	2,558959E+22	2,487811E+22	2,313645E+22	2,083150E+22	1,913874E+22	1,913902E+22	2,083213E+22	2,313679E+22
-1362	2,487766E+22	2,558842E+22	2,563647E+22	2,563662E+22	2,558895E+22	2,487827E+22	2,313707E+22	2,083218E+22	1,913918E+22	1,913907E+22	2,083182E+22	2,313643E+22
-1361	2,487740E+22	2,558851E+22	2,563717E+22	2,563732E+22	2,558926E+22	2,487844E+22	2,313720E+22	2,083232E+22	1,913939E+22	1,913929E+22	2,083213E+22	2,313724E+22
-1360	2,487884E+22	2,558972E+22	2,563774E+22	2,563747E+22	2,558904E+22	2,487805E+22	2,313702E+22	2,083245E+22	1,913975E+22	1,913974E+22	2,083222E+22	2,313646E+22
-1359	2,487745E+22	2,558840E+22	2,563658E+22	2,563668E+22	2,558855E+22	2,487773E+22	2,313702E+22	2,083283E+22	1,914028E+22	1,914014E+22	2,083248E+22	2,313669E+22
-1358	2,487783E+22	2,558935E+22	2,563795E+22	2,563786E+22	2,558934E+22	2,487797E+22	2,313675E+22	2,083253E+22	1,914034E+22	1,914049E+22	2,083310E+22	2,313754E+22
-1357	2,487843E+22	2,558926E+22	2,563747E+22	2,563732E+22	2,558901E+22	2,487805E+22	2,313706E+22	2,083275E+22	1,914043E+22	1,914056E+22	2,083289E+22	2,313681E+22
-1356	2,487734E+22	2,558814E+22	2,563686E+22	2,563732E+22	2,558907E+22	2,487804E+22	2,313715E+22	2,083293E+22	1,914050E+22	1,914047E+22	2,083290E+22	2,313735E+22
-1355	2,487873E+22	2,559000E+22	2,563822E+22	2,563806E+22	2,558953E+22	2,487821E+22	2,313703E+22	2,083271E+22	1,914038E+22	1,914053E+22	2,083316E+22	2,313744E+22
-1354	2,487818E+22	2,558904E+22	2,563716E+22	2,563694E+22	2,558876E+22	2,487808E+22	2,313742E+22	2,083325E+22	1,914074E+22	1,914050E+22	2,083258E+22	2,313655E+22
-1353	2,487734E+22	2,558856E+22	2,563749E+22	2,563768E+22	2,558924E+22	2,487824E+22	2,313734E+22	2,083311E+22	1,914066E+22	1,914050E+22	2,083274E+22	2,313710E+22
-1352	2,487857E+22	2,558985E+22	2,563817E+22	2,563808E+22	2,558949E+22	2,487816E+22	2,313702E+22	2,083272E+22	1,914041E+22	1,914055E+22	2,083291E+22	2,313675E+22
-1351	2,487736E+22	2,558829E+22	2,563656E+22	2,563675E+22	2,558879E+22	2,487803E+22	2,313716E+22	2,083285E+22	1,914031E+22	1,914024E+22	2,083264E+22	2,313680E+22
-1350	2,487761E+22	2,558879E+22	2,563747E+22	2,563759E+22	2,558929E+22	2,487818E+22	2,313699E+22	2,083252E+22	1,913999E+22	1,913998E+22	2,083270E+22	2,313752E+22
-1349	2,487875E+22	2,558939E+22	2,563732E+22	2,563713E+22	2,558887E+22	2,487801E+22	2,313700E+22	2,083245E+22	1,913977E+22	1,913976E+22	2,083227E+22	2,313653E+22
-1348	2,487746E+22	2,558827E+22	2,563656E+22	2,563679E+22	2,558859E+22	2,487772E+22	2,313686E+22	2,083240E+22	1,913961E+22	1,913943E+22	2,083200E+22	2,313664E+22
-1347	2,487825E+22	2,558985E+22	2,563817E+22	2,563788E+22	2,558927E+22	2,487786E+22	2,313651E+22	2,083191E+22	1,913931E+22	1,913949E+22	2,083244E+22	2,313708E+22
-1346	2,487801E+22	2,558896E+22	2,563724E+22	2,563704E+22	2,558876E+22	2,487787E+22	2,313677E+22	2,083217E+22	1,913947E+22	1,913946E+22	2,083202E+22	2,313634E+22
-1345	2,487714E+22	2,558801E+22	2,563685E+22	2,563734E+22	2,558922E+22	2,487824E+22	2,313695E+22	2,083217E+22	1,913941E+22	1,913940E+22	2,083209E+22	2,313684E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1344	2,487850E+22	2,558971E+22	2,563782E+22	2,563782E+22	2,558953E+22	2,487830E+22	2,313689E+22	2,083211E+22	1,913943E+22	1,913960E+22	2,083240E+22	2,313682E+22
-1343	2,487776E+22	2,558858E+22	2,563649E+22	2,563643E+22	2,558856E+22	2,487799E+22	2,313715E+22	2,083266E+22	1,913989E+22	1,913970E+22	2,083216E+22	2,313653E+22
-1342	2,487750E+22	2,558870E+22	2,563737E+22	2,563740E+22	2,558899E+22	2,487799E+22	2,313707E+22	2,083282E+22	1,914029E+22	1,914009E+22	2,083251E+22	2,313715E+22
-1341	2,487858E+22	2,558961E+22	2,563781E+22	2,563761E+22	2,558902E+22	2,487789E+22	2,313698E+22	2,083281E+22	1,914052E+22	1,914063E+22	2,083290E+22	2,313669E+22
-1340	2,487727E+22	2,558816E+22	2,563668E+22	2,563702E+22	2,558874E+22	2,487774E+22	2,313698E+22	2,083297E+22	1,914070E+22	1,914070E+22	2,083295E+22	2,313692E+22
-1339	2,487788E+22	2,558937E+22	2,563806E+22	2,563803E+22	2,558948E+22	2,487814E+22	2,313698E+22	2,083281E+22	1,914068E+22	1,914096E+22	2,083360E+22	2,313782E+22
-1338	2,487845E+22	2,558918E+22	2,563742E+22	2,563729E+22	2,558892E+22	2,487805E+22	2,313728E+22	2,083322E+22	1,914102E+22	1,914107E+22	2,083322E+22	2,313704E+22
-1337	2,487756E+22	2,558826E+22	2,563680E+22	2,563716E+22	2,558904E+22	2,487826E+22	2,313751E+22	2,083346E+22	1,914115E+22	1,914096E+22	2,083300E+22	2,313710E+22
-1336	2,487854E+22	2,559010E+22	2,563843E+22	2,563814E+22	2,558945E+22	2,487821E+22	2,313732E+22	2,083334E+22	1,914118E+22	1,914122E+22	2,083339E+22	2,313724E+22
-1335	2,487795E+22	2,558898E+22	2,563727E+22	2,563708E+22	2,558863E+22	2,487779E+22	2,313730E+22	2,083354E+22	1,914137E+22	1,914120E+22	2,083308E+22	2,313670E+22
-1334	2,487722E+22	2,558835E+22	2,563736E+22	2,563776E+22	2,558926E+22	2,487805E+22	2,313723E+22	2,083339E+22	1,914128E+22	1,914115E+22	2,083321E+22	2,313727E+22
-1333	2,487842E+22	2,558956E+22	2,563788E+22	2,563791E+22	2,558943E+22	2,487821E+22	2,313717E+22	2,083300E+22	1,914085E+22	1,914110E+22	2,083344E+22	2,313714E+22
-1332	2,487747E+22	2,558821E+22	2,563650E+22	2,563670E+22	2,558862E+22	2,487790E+22	2,313721E+22	2,083305E+22	1,914058E+22	1,914047E+22	2,083278E+22	2,313689E+22
-1331	2,487781E+22	2,558915E+22	2,563773E+22	2,563761E+22	2,558910E+22	2,487803E+22	2,313707E+22	2,083280E+22	1,914035E+22	1,914034E+22	2,083293E+22	2,313750E+22
-1330	2,487864E+22	2,558950E+22	2,563760E+22	2,563730E+22	2,558870E+22	2,487770E+22	2,313691E+22	2,083275E+22	1,914036E+22	1,914034E+22	2,083259E+22	2,313657E+22
-1329	2,487738E+22	2,558822E+22	2,563659E+22	2,563697E+22	2,558885E+22	2,487791E+22	2,313694E+22	2,083263E+22	1,914011E+22	1,913996E+22	2,083228E+22	2,313650E+22
-1328	2,487793E+22	2,558967E+22	2,563821E+22	2,563811E+22	2,558957E+22	2,487816E+22	2,313681E+22	2,083231E+22	1,913986E+22	1,914005E+22	2,083279E+22	2,313718E+22
-1327	2,487795E+22	2,558881E+22	2,563711E+22	2,563702E+22	2,558870E+22	2,487785E+22	2,313693E+22	2,083251E+22	1,913994E+22	1,913994E+22	2,083241E+22	2,313662E+22
-1326	2,487727E+22	2,558797E+22	2,563664E+22	2,563720E+22	2,558907E+22	2,487810E+22	2,313713E+22	2,083278E+22	1,914017E+22	1,913997E+22	2,083237E+22	2,313686E+22
-1325	2,487841E+22	2,558969E+22	2,563773E+22	2,563763E+22	2,558930E+22	2,487821E+22	2,313712E+22	2,083270E+22	1,914026E+22	1,914037E+22	2,083288E+22	2,313693E+22
-1324	2,487763E+22	2,558856E+22	2,563670E+22	2,563657E+22	2,558833E+22	2,487767E+22	2,313710E+22	2,083302E+22	1,914057E+22	1,914039E+22	2,083257E+22	2,313655E+22
-1323	2,487740E+22	2,558880E+22	2,563763E+22	2,563765E+22	2,558901E+22	2,487781E+22	2,313700E+22	2,083305E+22	1,914086E+22	1,914087E+22	2,083320E+22	2,313739E+22
-1322	2,487840E+22	2,558941E+22	2,563777E+22	2,563770E+22	2,558903E+22	2,487778E+22	2,313692E+22	2,083305E+22	1,914111E+22	1,914135E+22	2,083354E+22	2,313716E+22
-1321	2,487748E+22	2,558811E+22	2,563648E+22	2,563691E+22	2,558888E+22	2,487804E+22	2,313725E+22	2,083329E+22	1,914114E+22	1,914113E+22	2,083322E+22	2,313703E+22
-1320	2,487798E+22	2,558950E+22	2,563812E+22	2,563803E+22	2,558947E+22	2,487828E+22	2,313737E+22	2,083340E+22	1,914130E+22	1,914139E+22	2,083369E+22	2,313779E+22
-1319	2,487855E+22	2,558940E+22	2,563762E+22	2,563731E+22	2,558867E+22	2,487780E+22	2,313736E+22	2,083369E+22	1,914169E+22	1,914160E+22	2,083342E+22	2,313697E+22
-1318	2,487749E+22	2,558839E+22	2,563704E+22	2,563738E+22	2,558896E+22	2,487796E+22	2,313752E+22	2,083401E+22	1,914200E+22	1,914168E+22	2,083328E+22	2,313688E+22
-1317	2,487806E+22	2,558984E+22	2,563843E+22	2,563830E+22	2,558959E+22	2,487824E+22	2,313742E+22	2,083373E+22	1,914191E+22	1,914203E+22	2,083398E+22	2,313738E+22
-1316	2,487762E+22	2,558862E+22	2,563724E+22	2,563725E+22	2,558875E+22	2,487783E+22	2,313736E+22	2,083374E+22	1,914179E+22	1,914172E+22	2,083352E+22	2,313694E+22
-1315	2,487725E+22	2,558830E+22	2,563729E+22	2,563773E+22	2,558926E+22	2,487810E+22	2,313740E+22	2,083363E+22	1,914161E+22	1,914161E+22	2,083371E+22	2,313759E+22
-1314	2,487847E+22	2,558946E+22	2,563768E+22	2,563770E+22	2,558921E+22	2,487806E+22	2,313726E+22	2,083339E+22	1,914139E+22	1,914157E+22	2,083378E+22	2,313746E+22
-1313	2,487777E+22	2,558843E+22	2,563648E+22	2,563651E+22	2,558852E+22	2,487796E+22	2,313735E+22	2,083338E+22	1,914107E+22	1,914087E+22	2,083289E+22	2,313676E+22
-1312	2,487772E+22	2,558933E+22	2,563804E+22	2,563779E+22	2,558903E+22	2,487790E+22	2,313715E+22	2,083318E+22	1,914093E+22	1,914086E+22	2,083312E+22	2,313740E+22
-1311	2,487847E+22	2,558945E+22	2,563776E+22	2,563756E+22	2,558873E+22	2,487747E+22	2,313673E+22	2,083288E+22	1,914081E+22	1,914089E+22	2,083300E+22	2,313674E+22
-1310	2,487731E+22	2,558810E+22	2,563654E+22	2,563710E+22	2,558897E+22	2,487785E+22	2,313694E+22	2,083293E+22	1,914063E+22	1,914049E+22	2,083262E+22	2,313658E+22
-1309	2,487770E+22	2,558937E+22	2,563791E+22	2,563796E+22	2,558960E+22	2,487835E+22	2,313713E+22	2,083275E+22	1,914040E+22	1,914056E+22	2,083317E+22	2,313739E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1308	2,487792E+22	2,558873E+22	2,563706E+22	2,563694E+22	2,558856E+22	2,487779E+22	2,313712E+22	2,083293E+22	1,914045E+22	1,914032E+22	2,083257E+22	2,313666E+22
-1307	2,487736E+22	2,558823E+22	2,563682E+22	2,563716E+22	2,558884E+22	2,487791E+22	2,313724E+22	2,083321E+22	1,914080E+22	1,914062E+22	2,083277E+22	2,313689E+22
-1306	2,487821E+22	2,558962E+22	2,563785E+22	2,563770E+22	2,558909E+22	2,487789E+22	2,313706E+22	2,083313E+22	1,914106E+22	1,914120E+22	2,083343E+22	2,313716E+22
-1305	2,487761E+22	2,558851E+22	2,563669E+22	2,563667E+22	2,558852E+22	2,487777E+22	2,313712E+22	2,083328E+22	1,914117E+22	1,914110E+22	2,083303E+22	2,313662E+22
-1304	2,487723E+22	2,558875E+22	2,563775E+22	2,563783E+22	2,558918E+22	2,487796E+22	2,313721E+22	2,083344E+22	1,914146E+22	1,914149E+22	2,083361E+22	2,313765E+22
-1303	2,487851E+22	2,558939E+22	2,563777E+22	2,563775E+22	2,558899E+22	2,487772E+22	2,313702E+22	2,083340E+22	1,914164E+22	1,914188E+22	2,083392E+22	2,313744E+22
-1302	2,487772E+22	2,558828E+22	2,563649E+22	2,563690E+22	2,558880E+22	2,487794E+22	2,313746E+22	2,083392E+22	1,914192E+22	1,914169E+22	2,083340E+22	2,313693E+22
-1301	2,487782E+22	2,558952E+22	2,563820E+22	2,563802E+22	2,558940E+22	2,487830E+22	2,313767E+22	2,083404E+22	1,914216E+22	1,914213E+22	2,083404E+22	2,313773E+22
-1300	2,487825E+22	2,558932E+22	2,563790E+22	2,563759E+22	2,558864E+22	2,487760E+22	2,313738E+22	2,083409E+22	1,914237E+22	1,914228E+22	2,083379E+22	2,313694E+22
-1299	2,487724E+22	2,558828E+22	2,563715E+22	2,563759E+22	2,558909E+22	2,487792E+22	2,313750E+22	2,083424E+22	1,914257E+22	1,914248E+22	2,083399E+22	2,313713E+22
-1298	2,487779E+22	2,558941E+22	2,563817E+22	2,563821E+22	2,558957E+22	2,487822E+22	2,313746E+22	2,083398E+22	1,914245E+22	1,914271E+22	2,083462E+22	2,313791E+22
-1297	2,487785E+22	2,558850E+22	2,563685E+22	2,563691E+22	2,558873E+22	2,487801E+22	2,313754E+22	2,083400E+22	1,914215E+22	1,914209E+22	2,083377E+22	2,313711E+22
-1296	2,487742E+22	2,558850E+22	2,563735E+22	2,563758E+22	2,558907E+22	2,487804E+22	2,313759E+22	2,083407E+22	1,914211E+22	1,914194E+22	2,083377E+22	2,313766E+22
-1295	2,487869E+22	2,558974E+22	2,563790E+22	2,563767E+22	2,558887E+22	2,487763E+22	2,313710E+22	2,083362E+22	1,914186E+22	1,914198E+22	2,083392E+22	2,313744E+22
-1294	2,487779E+22	2,558862E+22	2,563676E+22	2,563675E+22	2,558847E+22	2,487762E+22	2,313723E+22	2,083371E+22	1,914164E+22	1,914137E+22	2,083305E+22	2,313655E+22
-1293	2,487732E+22	2,558912E+22	2,563812E+22	2,563803E+22	2,558930E+22	2,487803E+22	2,313724E+22	2,083344E+22	1,914143E+22	1,914143E+22	2,083352E+22	2,313746E+22
-1292	2,487814E+22	2,558917E+22	2,563781E+22	2,563775E+22	2,558891E+22	2,487760E+22	2,313686E+22	2,083308E+22	1,914113E+22	1,914124E+22	2,083326E+22	2,313686E+22
-1291	2,487729E+22	2,558804E+22	2,563648E+22	2,563707E+22	2,558903E+22	2,487800E+22	2,313722E+22	2,083328E+22	1,914108E+22	1,914101E+22	2,083304E+22	2,313675E+22
-1290	2,487761E+22	2,558916E+22	2,563768E+22	2,563769E+22	2,558938E+22	2,487828E+22	2,313734E+22	2,083331E+22	1,914115E+22	1,914121E+22	2,083353E+22	2,313758E+22
-1289	2,487806E+22	2,558882E+22	2,563696E+22	2,563669E+22	2,558841E+22	2,487778E+22	2,313728E+22	2,083343E+22	1,914121E+22	1,914101E+22	2,083286E+22	2,313657E+22
-1288	2,487719E+22	2,558831E+22	2,563711E+22	2,563732E+22	2,558873E+22	2,487767E+22	2,313727E+22	2,083369E+22	1,914161E+22	1,914139E+22	2,083320E+22	2,313702E+22
-1287	2,487814E+22	2,558951E+22	2,563793E+22	2,563785E+22	2,558904E+22	2,487757E+22	2,313681E+22	2,083331E+22	1,914167E+22	1,914196E+22	2,083405E+22	2,313754E+22
-1286	2,487772E+22	2,558849E+22	2,563671E+22	2,563677E+22	2,558856E+22	2,487767E+22	2,313714E+22	2,083360E+22	1,914174E+22	1,914171E+22	2,083348E+22	2,313683E+22
-1285	2,487721E+22	2,558866E+22	2,563767E+22	2,563780E+22	2,558924E+22	2,487813E+22	2,313750E+22	2,083387E+22	1,914202E+22	1,914204E+22	2,083398E+22	2,313782E+22
-1284	2,487852E+22	2,558949E+22	2,563798E+22	2,563783E+22	2,558895E+22	2,487769E+22	2,313721E+22	2,083384E+22	1,914221E+22	1,914231E+22	2,083405E+22	2,313738E+22
-1283	2,487774E+22	2,558855E+22	2,563685E+22	2,563707E+22	2,558879E+22	2,487788E+22	2,313761E+22	2,083436E+22	1,914263E+22	1,914243E+22	2,083379E+22	2,313684E+22
-1282	2,487743E+22	2,558923E+22	2,563823E+22	2,563817E+22	2,558942E+22	2,487819E+22	2,313775E+22	2,083454E+22	1,914301E+22	1,914300E+22	2,083458E+22	2,313788E+22
-1281	2,487812E+22	2,558910E+22	2,563772E+22	2,563761E+22	2,558892E+22	2,487786E+22	2,313753E+22	2,083443E+22	1,914299E+22	1,914299E+22	2,083428E+22	2,313707E+22
-1280	2,487709E+22	2,558811E+22	2,563709E+22	2,563755E+22	2,558909E+22	2,487802E+22	2,313775E+22	2,083465E+22	1,914311E+22	1,914300E+22	2,083438E+22	2,313747E+22
-1279	2,487797E+22	2,558928E+22	2,563796E+22	2,563799E+22	2,558932E+22	2,487802E+22	2,313748E+22	2,083427E+22	1,914290E+22	1,914315E+22	2,083496E+22	2,313824E+22
-1278	2,487822E+22	2,558876E+22	2,563690E+22	2,563675E+22	2,558843E+22	2,487773E+22	2,313759E+22	2,083442E+22	1,914272E+22	1,914252E+22	2,083389E+22	2,313702E+22
-1277	2,487736E+22	2,558863E+22	2,563754E+22	2,563757E+22	2,558889E+22	2,487789E+22	2,313764E+22	2,083442E+22	1,914269E+22	1,914249E+22	2,083400E+22	2,313755E+22
-1276	2,487844E+22	2,558975E+22	2,563830E+22	2,563802E+22	2,558891E+22	2,487741E+22	2,313694E+22	2,083377E+22	1,914228E+22	1,914243E+22	2,083414E+22	2,313736E+22
-1275	2,487760E+22	2,558857E+22	2,563697E+22	2,563705E+22	2,558873E+22	2,487768E+22	2,313717E+22	2,083377E+22	1,914202E+22	1,914196E+22	2,083353E+22	2,313667E+22
-1274	2,487701E+22	2,558865E+22	2,563785E+22	2,563798E+22	2,558940E+22	2,487819E+22	2,313743E+22	2,083374E+22	1,914190E+22	1,914195E+22	2,083392E+22	2,313775E+22
-1273	2,487826E+22	2,558901E+22	2,563747E+22	2,563748E+22	2,558897E+22	2,487788E+22	2,313718E+22	2,083348E+22	1,914159E+22	1,914162E+22	2,083343E+22	2,313687E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1272	2,487730E+22	2,558814E+22	2,563656E+22	2,563689E+22	2,558879E+22	2,487795E+22	2,313750E+22	2,083387E+22	1,914178E+22	1,914150E+22	2,083319E+22	2,313680E+22
-1271	2,487769E+22	2,558921E+22	2,563779E+22	2,563760E+22	2,558903E+22	2,487787E+22	2,313724E+22	2,083368E+22	1,914188E+22	1,914193E+22	2,083391E+22	2,313767E+22
-1270	2,487809E+22	2,558891E+22	2,563716E+22	2,563685E+22	2,558829E+22	2,487744E+22	2,313717E+22	2,083382E+22	1,914196E+22	1,914179E+22	2,083332E+22	2,313657E+22
-1269	2,487693E+22	2,558813E+22	2,563718E+22	2,563751E+22	2,558891E+22	2,487775E+22	2,313731E+22	2,083396E+22	1,914222E+22	1,914215E+22	2,083380E+22	2,313728E+22
-1268	2,487803E+22	2,558939E+22	2,563809E+22	2,563804E+22	2,558916E+22	2,487762E+22	2,313689E+22	2,083353E+22	1,914207E+22	1,914243E+22	2,083443E+22	2,313779E+22
-1267	2,487788E+22	2,558858E+22	2,563684E+22	2,563688E+22	2,558868E+22	2,487781E+22	2,313737E+22	2,083395E+22	1,914227E+22	1,914231E+22	2,083389E+22	2,313698E+22
-1266	2,487719E+22	2,558858E+22	2,563762E+22	2,563770E+22	2,558917E+22	2,487820E+22	2,313781E+22	2,083449E+22	1,914283E+22	1,914272E+22	2,083431E+22	2,313789E+22
-1265	2,487858E+22	2,558958E+22	2,563800E+22	2,563776E+22	2,558895E+22	2,487779E+22	2,313746E+22	2,083440E+22	1,914300E+22	1,914301E+22	2,083432E+22	2,313720E+22
-1264	2,487743E+22	2,558850E+22	2,563711E+22	2,563726E+22	2,558879E+22	2,487781E+22	2,313776E+22	2,083492E+22	1,914348E+22	1,914323E+22	2,083426E+22	2,313700E+22
-1263	2,487730E+22	2,558890E+22	2,563809E+22	2,563816E+22	2,558935E+22	2,487799E+22	2,313761E+22	2,083477E+22	1,914364E+22	1,914377E+22	2,083519E+22	2,313823E+22
-1262	2,487823E+22	2,558896E+22	2,563752E+22	2,563744E+22	2,558873E+22	2,487772E+22	2,313762E+22	2,083479E+22	1,914352E+22	1,914355E+22	2,083470E+22	2,313729E+22
-1261	2,487715E+22	2,558805E+22	2,563697E+22	2,563736E+22	2,558893E+22	2,487800E+22	2,313792E+22	2,083501E+22	1,914360E+22	1,914346E+22	2,083469E+22	2,313764E+22
-1260	2,487809E+22	2,558951E+22	2,563824E+22	2,563796E+22	2,558903E+22	2,487774E+22	2,313743E+22	2,083452E+22	1,914329E+22	1,914345E+22	2,083502E+22	2,313816E+22
-1259	2,487829E+22	2,558910E+22	2,563739E+22	2,563702E+22	2,558838E+22	2,487754E+22	2,313749E+22	2,083457E+22	1,914318E+22	1,914308E+22	2,083416E+22	2,313686E+22
-1258	2,487704E+22	2,558844E+22	2,563768E+22	2,563783E+22	2,558903E+22	2,487785E+22	2,313763E+22	2,083466E+22	1,914323E+22	1,914309E+22	2,083436E+22	2,313755E+22
-1257	2,487826E+22	2,558953E+22	2,563817E+22	2,563814E+22	2,558932E+22	2,487778E+22	2,313712E+22	2,083398E+22	1,914268E+22	1,914288E+22	2,083441E+22	2,313733E+22
-1256	2,487737E+22	2,558836E+22	2,563696E+22	2,563712E+22	2,558887E+22	2,487795E+22	2,313754E+22	2,083423E+22	1,914252E+22	1,914236E+22	2,083380E+22	2,313691E+22
-1255	2,487710E+22	2,558835E+22	2,563753E+22	2,563774E+22	2,558922E+22	2,487812E+22	2,313758E+22	2,083417E+22	1,914248E+22	1,914247E+22	2,083424E+22	2,313794E+22
-1254	2,487847E+22	2,558912E+22	2,563742E+22	2,563723E+22	2,558861E+22	2,487767E+22	2,313740E+22	2,083408E+22	1,914231E+22	1,914224E+22	2,083372E+22	2,313682E+22
-1253	2,487719E+22	2,558816E+22	2,563669E+22	2,563685E+22	2,558852E+22	2,487773E+22	2,313756E+22	2,083432E+22	1,914253E+22	1,914229E+22	2,083368E+22	2,313683E+22
-1252	2,487749E+22	2,558920E+22	2,563810E+22	2,563782E+22	2,558893E+22	2,487755E+22	2,313702E+22	2,083385E+22	1,914242E+22	1,914260E+22	2,083441E+22	2,313785E+22
-1251	2,487810E+22	2,558894E+22	2,563737E+22	2,563711E+22	2,558848E+22	2,487743E+22	2,313702E+22	2,083383E+22	1,914239E+22	1,914253E+22	2,083397E+22	2,313686E+22
-1250	2,487688E+22	2,558785E+22	2,563700E+22	2,563746E+22	2,558898E+22	2,487789E+22	2,313748E+22	2,083426E+22	1,914271E+22	1,914270E+22	2,083424E+22	2,313761E+22
-1249	2,487830E+22	2,558944E+22	2,563793E+22	2,563794E+22	2,558930E+22	2,487789E+22	2,313723E+22	2,083399E+22	1,914260E+22	1,914283E+22	2,083456E+22	2,313774E+22
-1248	2,487792E+22	2,558882E+22	2,563715E+22	2,563694E+22	2,558856E+22	2,487781E+22	2,313770E+22	2,083462E+22	1,914304E+22	1,914281E+22	2,083401E+22	2,313693E+22
-1247	2,487712E+22	2,558847E+22	2,563772E+22	2,563776E+22	2,558898E+22	2,487793E+22	2,313783E+22	2,083500E+22	1,914367E+22	1,914352E+22	2,083470E+22	2,313783E+22
-1246	2,487842E+22	2,558952E+22	2,563813E+22	2,563792E+22	2,558889E+22	2,487763E+22	2,313756E+22	2,083491E+22	1,914380E+22	1,914386E+22	2,083484E+22	2,313719E+22
-1245	2,487709E+22	2,558819E+22	2,563704E+22	2,563730E+22	2,558884E+22	2,487789E+22	2,313792E+22	2,083529E+22	1,914415E+22	1,914402E+22	2,083490E+22	2,313725E+22
-1244	2,487720E+22	2,558874E+22	2,563807E+22	2,563812E+22	2,558924E+22	2,487792E+22	2,313768E+22	2,083503E+22	1,914408E+22	1,914427E+22	2,083560E+22	2,313853E+22
-1243	2,487849E+22	2,558912E+22	2,563758E+22	2,563742E+22	2,558865E+22	2,487764E+22	2,313764E+22	2,083501E+22	1,914401E+22	1,914413E+22	2,083509E+22	2,313743E+22
-1242	2,487722E+22	2,558808E+22	2,563696E+22	2,563725E+22	2,558874E+22	2,487788E+22	2,313802E+22	2,083541E+22	1,914420E+22	1,914401E+22	2,083495E+22	2,313768E+22
-1241	2,487816E+22	2,558966E+22	2,563838E+22	2,563809E+22	2,558910E+22	2,487772E+22	2,313748E+22	2,083482E+22	1,914381E+22	1,914394E+22	2,083521E+22	2,313797E+22
-1240	2,487799E+22	2,558906E+22	2,563773E+22	2,563741E+22	2,558855E+22	2,487753E+22	2,313755E+22	2,083489E+22	1,914371E+22	1,914357E+22	2,083448E+22	2,313698E+22
-1239	2,487687E+22	2,558804E+22	2,563749E+22	2,563789E+22	2,558913E+22	2,487788E+22	2,313762E+22	2,083483E+22	1,914366E+22	1,914364E+22	2,083480E+22	2,313776E+22
-1238	2,487830E+22	2,558938E+22	2,563795E+22	2,563797E+22	2,558919E+22	2,487786E+22	2,313743E+22	2,083439E+22	1,914310E+22	1,914330E+22	2,083469E+22	2,313740E+22
-1237	2,487734E+22	2,558825E+22	2,563679E+22	2,563689E+22	2,558868E+22	2,487799E+22	2,313785E+22	2,083472E+22	1,914309E+22	1,914286E+22	2,083409E+22	2,313698E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \ominus	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1236	2,487713E+22	2,558849E+22	2,563765E+22	2,563761E+22	2,558885E+22	2,487781E+22	2,313758E+22	2,083453E+22	1,914303E+22	1,914294E+22	2,083446E+22	2,313792E+22
-1235	2,487850E+22	2,558931E+22	2,563772E+22	2,563741E+22	2,558848E+22	2,487739E+22	2,313723E+22	2,083427E+22	1,914293E+22	1,914301E+22	2,083420E+22	2,313685E+22
-1234	2,487698E+22	2,558798E+22	2,563675E+22	2,563704E+22	2,558859E+22	2,487764E+22	2,313751E+22	2,083455E+22	1,914311E+22	1,914301E+22	2,083424E+22	2,313708E+22
-1233	2,487752E+22	2,558911E+22	2,563801E+22	2,563793E+22	2,558917E+22	2,487774E+22	2,313712E+22	2,083404E+22	1,914281E+22	1,914309E+22	2,083479E+22	2,313796E+22
-1232	2,487805E+22	2,558893E+22	2,563752E+22	2,563729E+22	2,558860E+22	2,487761E+22	2,313735E+22	2,083428E+22	1,914289E+22	1,914292E+22	2,083425E+22	2,313714E+22
-1231	2,487706E+22	2,558778E+22	2,563688E+22	2,563737E+22	2,558887E+22	2,487784E+22	2,313766E+22	2,083474E+22	1,914337E+22	1,914326E+22	2,083450E+22	2,313763E+22
-1230	2,487840E+22	2,558963E+22	2,563804E+22	2,563782E+22	2,558900E+22	2,487780E+22	2,313757E+22	2,083469E+22	1,914343E+22	1,914351E+22	2,083479E+22	2,313752E+22
-1229	2,487762E+22	2,558875E+22	2,563734E+22	2,563711E+22	2,558846E+22	2,487770E+22	2,313789E+22	2,083525E+22	1,914398E+22	1,914373E+22	2,083454E+22	2,313689E+22
-1228	2,487679E+22	2,558829E+22	2,563783E+22	2,563794E+22	2,558894E+22	2,487770E+22	2,313772E+22	2,083530E+22	1,914437E+22	1,914434E+22	2,083531E+22	2,313802E+22
-1227	2,487830E+22	2,558935E+22	2,563812E+22	2,563804E+22	2,558899E+22	2,487762E+22	2,313748E+22	2,083503E+22	1,914437E+22	1,914470E+22	2,083557E+22	2,313756E+22
-1226	2,487708E+22	2,558792E+22	2,563677E+22	2,563713E+22	2,558873E+22	2,487791E+22	2,313807E+22	2,083561E+22	1,914466E+22	1,914461E+22	2,083540E+22	2,313764E+22
-1225	2,487752E+22	2,558887E+22	2,563793E+22	2,563796E+22	2,558917E+22	2,487793E+22	2,313784E+22	2,083539E+22	1,914454E+22	1,914464E+22	2,083575E+22	2,313851E+22
-1224	2,487857E+22	2,558945E+22	2,563798E+22	2,563759E+22	2,558855E+22	2,487753E+22	2,313777E+22	2,083546E+22	1,914458E+22	1,914451E+22	2,083521E+22	2,313746E+22
-1223	2,487720E+22	2,558808E+22	2,563712E+22	2,563745E+22	2,558869E+22	2,487765E+22	2,313792E+22	2,083568E+22	1,914478E+22	1,914459E+22	2,083524E+22	2,313761E+22
-1222	2,487801E+22	2,558964E+22	2,563851E+22	2,563830E+22	2,558917E+22	2,487775E+22	2,313766E+22	2,083518E+22	1,914432E+22	1,914448E+22	2,083553E+22	2,313791E+22
-1221	2,487764E+22	2,558875E+22	2,563767E+22	2,563756E+22	2,558873E+22	2,487778E+22	2,313785E+22	2,083526E+22	1,914420E+22	1,914411E+22	2,083490E+22	2,313711E+22
-1220	2,487673E+22	2,558784E+22	2,563734E+22	2,563781E+22	2,558905E+22	2,487790E+22	2,313782E+22	2,083517E+22	1,914407E+22	1,914402E+22	2,083509E+22	2,313793E+22
-1219	2,487841E+22	2,558945E+22	2,563790E+22	2,563787E+22	2,558908E+22	2,487781E+22	2,313751E+22	2,083470E+22	1,914367E+22	1,914390E+22	2,083504E+22	2,313748E+22
-1218	2,487732E+22	2,558823E+22	2,563668E+22	2,563665E+22	2,558834E+22	2,487779E+22	2,313796E+22	2,083517E+22	1,914377E+22	1,914351E+22	2,083446E+22	2,313706E+22
-1217	2,487716E+22	2,558858E+22	2,563771E+22	2,563768E+22	2,558877E+22	2,487759E+22	2,313753E+22	2,083483E+22	1,914362E+22	1,914356E+22	2,083481E+22	2,313789E+22
-1216	2,487832E+22	2,558934E+22	2,563800E+22	2,563774E+22	2,558857E+22	2,487725E+22	2,313715E+22	2,083450E+22	1,914344E+22	1,914354E+22	2,083466E+22	2,313717E+22
-1215	2,487696E+22	2,558771E+22	2,563656E+22	2,563707E+22	2,558863E+22	2,487758E+22	2,313744E+22	2,083468E+22	1,914351E+22	1,914354E+22	2,083469E+22	2,313737E+22
-1214	2,487768E+22	2,558916E+22	2,563797E+22	2,563786E+22	2,558905E+22	2,487781E+22	2,313746E+22	2,083447E+22	1,914325E+22	1,914347E+22	2,083502E+22	2,313801E+22
-1213	2,487803E+22	2,558896E+22	2,563758E+22	2,563731E+22	2,558851E+22	2,487767E+22	2,313769E+22	2,083486E+22	1,914357E+22	1,914346E+22	2,083447E+22	2,313704E+22
-1212	2,487695E+22	2,558795E+22	2,563711E+22	2,563741E+22	2,558866E+22	2,487764E+22	2,313776E+22	2,083524E+22	1,914411E+22	1,914390E+22	2,083476E+22	2,313749E+22
-1211	2,487819E+22	2,558968E+22	2,563832E+22	2,563813E+22	2,558906E+22	2,487765E+22	2,313749E+22	2,083503E+22	1,914426E+22	1,914447E+22	2,083535E+22	2,313750E+22
-1210	2,487725E+22	2,558840E+22	2,563721E+22	2,563721E+22	2,558857E+22	2,487773E+22	2,313799E+22	2,083566E+22	1,914475E+22	1,914463E+22	2,083524E+22	2,313721E+22
-1209	2,487676E+22	2,558806E+22	2,563757E+22	2,563795E+22	2,558910E+22	2,487783E+22	2,313790E+22	2,083564E+22	1,914492E+22	1,914496E+22	2,083583E+22	2,313830E+22
-1208	2,487833E+22	2,558932E+22	2,563813E+22	2,563808E+22	2,558898E+22	2,487768E+22	2,313774E+22	2,083551E+22	1,914492E+22	1,914514E+22	2,083596E+22	2,313800E+22
-1207	2,487736E+22	2,558795E+22	2,563663E+22	2,563694E+22	2,558851E+22	2,487775E+22	2,313815E+22	2,083601E+22	1,914526E+22	1,914515E+22	2,083571E+22	2,313779E+22
-1206	2,487774E+22	2,558923E+22	2,563817E+22	2,563788E+22	2,558881E+22	2,487775E+22	2,313806E+22	2,083589E+22	1,914517E+22	1,914518E+22	2,083595E+22	2,313835E+22
-1205	2,487832E+22	2,558948E+22	2,563829E+22	2,563791E+22	2,558857E+22	2,487743E+22	2,313786E+22	2,083588E+22	1,914527E+22	1,914519E+22	2,083559E+22	2,313737E+22
-1204	2,487692E+22	2,558800E+22	2,563726E+22	2,563769E+22	2,558880E+22	2,487756E+22	2,313782E+22	2,083585E+22	1,914525E+22	1,914515E+22	2,083564E+22	2,313770E+22
-1203	2,487783E+22	2,558945E+22	2,563844E+22	2,563841E+22	2,558935E+22	2,487787E+22	2,313767E+22	2,083531E+22	1,914476E+22	1,914506E+22	2,083596E+22	2,313809E+22
-1202	2,487755E+22	2,558847E+22	2,563734E+22	2,563735E+22	2,558866E+22	2,487787E+22	2,313814E+22	2,083570E+22	1,914469E+22	1,914456E+22	2,083524E+22	2,313736E+22
-1201	2,487694E+22	2,558789E+22	2,563710E+22	2,563756E+22	2,558886E+22	2,487780E+22	2,313798E+22	2,083559E+22	1,914456E+22	1,914437E+22	2,083520E+22	2,313786E+22

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°
-1200	2,487832E+22	2,558962E+22	2,563816E+22	2,563795E+22	2,558887E+22	2,487758E+22	2,313758E+22	2,083513E+22	1,914426E+22	1,914433E+22	2,083529E+22	2,313759E+22
-1199	2,487725E+22	2,558817E+22	2,563676E+22	2,563677E+22	2,558822E+22	2,487744E+22	2,313773E+22	2,083535E+22	1,914434E+22	1,914416E+22	2,083489E+22	2,313714E+22
-1198	2,487708E+22	2,558862E+22	2,563783E+22	2,563776E+22	2,558872E+22	2,487752E+22	2,313758E+22	2,083506E+22	1,914407E+22	1,914411E+22	2,083521E+22	2,313797E+22
-1197	2,487810E+22	2,558917E+22	2,563803E+22	2,563794E+22	2,558875E+22	2,487743E+22	2,313736E+22	2,083482E+22	1,914392E+22	1,914406E+22	2,083506E+22	2,313734E+22
-1196	2,487698E+22	2,558773E+22	2,563654E+22	2,563709E+22	2,558862E+22	2,487758E+22	2,313759E+22	2,083503E+22	1,914398E+22	1,914394E+22	2,083493E+22	2,313747E+22
-1195	2,487775E+22	2,558929E+22	2,563805E+22	2,563790E+22	2,558906E+22	2,487783E+22	2,313760E+22	2,083490E+22	1,914396E+22	1,914412E+22	2,083529E+22	2,313795E+22
-1194	2,487787E+22	2,558891E+22	2,563761E+22	2,563729E+22	2,558838E+22	2,487761E+22	2,313794E+22	2,083549E+22	1,914443E+22	1,914426E+22	2,083491E+22	2,313707E+22
-1193	2,487680E+22	2,558786E+22	2,563710E+22	2,563757E+22	2,558870E+22	2,487753E+22	2,313784E+22	2,083571E+22	1,914490E+22	1,914471E+22	2,083527E+22	2,313752E+22
-1192	2,487786E+22	2,558949E+22	2,563841E+22	2,563838E+22	2,558922E+22	2,487766E+22	2,313757E+22	2,083541E+22	1,914494E+22	1,914519E+22	2,083601E+22	2,313799E+22
-1191	2,487727E+22	2,558809E+22	2,563689E+22	2,563705E+22	2,558849E+22	2,487766E+22	2,313801E+22	2,083594E+22	1,914534E+22	1,914533E+22	2,083584E+22	2,313764E+22
-1190	2,487706E+22	2,558822E+22	2,563748E+22	2,563767E+22	2,558877E+22	2,487777E+22	2,313821E+22	2,083612E+22	1,914546E+22	1,914545E+22	2,083614E+22	2,313846E+22
-1189	2,487844E+22	2,558952E+22	2,563829E+22	2,563808E+22	2,558880E+22	2,487757E+22	2,313795E+22	2,083604E+22	1,914560E+22	1,914567E+22	2,083617E+22	2,313795E+22
-1188	2,487737E+22	2,558827E+22	2,563700E+22	2,563709E+22	2,558834E+22	2,487746E+22	2,313809E+22	2,083635E+22	1,914586E+22	1,914568E+22	2,083591E+22	2,313768E+22
-1187	2,487759E+22	2,558935E+22	2,563856E+22	2,563832E+22	2,558901E+22	2,487765E+22	2,313791E+22	2,083609E+22	1,914581E+22	1,914590E+22	2,083633E+22	2,313827E+22
-1186	2,487796E+22	2,558917E+22	2,563822E+22	2,563807E+22	2,558881E+22	2,487759E+22	2,313802E+22	2,083620E+22	1,914582E+22	1,914582E+22	2,083605E+22	2,313753E+22
-1185	2,487678E+22	2,558772E+22	2,563701E+22	2,563772E+22	2,558901E+22	2,487776E+22	2,313808E+22	2,083620E+22	1,914569E+22	1,914558E+22	2,083594E+22	2,313781E+22
-1184	2,487771E+22	2,558931E+22	2,563837E+22	2,563839E+22	2,558937E+22	2,487796E+22	2,313795E+22	2,083578E+22	1,914525E+22	1,914539E+22	2,083622E+22	2,313836E+22
-1183	2,487765E+22	2,558837E+22	2,563705E+22	2,563700E+22	2,558833E+22	2,487765E+22	2,313819E+22	2,083610E+22	1,914532E+22	1,914511E+22	2,083552E+22	2,313745E+22
-1182	2,487704E+22	2,558812E+22	2,563724E+22	2,563735E+22	2,558840E+22	2,487751E+22	2,313811E+22	2,083601E+22	1,914517E+22	1,914495E+22	2,083550E+22	2,313781E+22
-1181	2,487808E+22	2,558956E+22	2,563837E+22	2,563817E+22	2,558882E+22	2,487733E+22	2,313749E+22	2,083543E+22	1,914488E+22	1,914502E+22	2,083574E+22	2,313766E+22
-1180	2,487711E+22	2,558814E+22	2,563685E+22	2,563691E+22	2,558828E+22	2,487729E+22	2,313752E+22	2,083536E+22	1,914468E+22	1,914467E+22	2,083534E+22	2,313739E+22
-1179	2,487710E+22	2,558860E+22	2,563787E+22	2,563790E+22	2,558889E+22	2,487759E+22	2,313751E+22	2,083511E+22	1,914443E+22	1,914460E+22	2,083556E+22	2,313815E+22
-1178	2,487812E+22	2,558906E+22	2,563786E+22	2,563783E+22	2,558877E+22	2,487756E+22	2,313767E+22	2,083527E+22	1,914442E+22	1,914448E+22	2,083529E+22	2,313748E+22
-1177	2,487711E+22	2,558785E+22	2,563653E+22	2,563708E+22	2,558860E+22	2,487757E+22	2,313783E+22	2,083557E+22	1,914463E+22	1,914440E+22	2,083504E+22	2,313731E+22
-1176	2,487751E+22	2,558934E+22	2,563835E+22	2,563814E+22	2,558907E+22	2,487776E+22	2,313780E+22	2,083550E+22	1,914474E+22	1,914474E+22	2,083561E+22	2,313801E+22
-1175	2,487764E+22	2,558868E+22	2,563755E+22	2,563736E+22	2,558837E+22	2,487746E+22	2,313794E+22	2,083592E+22	1,914527E+22	1,914516E+22	2,083551E+22	2,313725E+22
-1174	2,487670E+22	2,558779E+22	2,563708E+22	2,563746E+22	2,558858E+22	2,487756E+22	2,313809E+22	2,083615E+22	1,914557E+22	1,914547E+22	2,083586E+22	2,313776E+22
-1173	2,487771E+22	2,558926E+22	2,563834E+22	2,563840E+22	2,558923E+22	2,487773E+22	2,313784E+22	2,083591E+22	1,914563E+22	1,914589E+22	2,083653E+22	2,313830E+22
-1172	2,487747E+22	2,558825E+22	2,563689E+22	2,563694E+22	2,558831E+22	2,487749E+22	2,313805E+22	2,083629E+22	1,914592E+22	1,914589E+22	2,083619E+22	2,313786E+22
-1171	2,487729E+22	2,558853E+22	2,563771E+22	2,563770E+22	2,558866E+22	2,487759E+22	2,313813E+22	2,083646E+22	1,914619E+22	1,914612E+22	2,083641E+22	2,313842E+22
-1170	2,487835E+22	2,558960E+22	2,563851E+22	2,563822E+22	2,558874E+22	2,487745E+22	2,313807E+22	2,083653E+22	1,914636E+22	1,914639E+22	2,083655E+22	2,313795E+22
-1169	2,487722E+22	2,558822E+22	2,563717E+22	2,563745E+22	2,558853E+22	2,487735E+22	2,313806E+22	2,083666E+22	1,914647E+22	1,914630E+22	2,083627E+22	2,313762E+22
-1168	2,487718E+22	2,558905E+22	2,563864E+22	2,563863E+22	2,558933E+22	2,487782E+22	2,313804E+22	2,083638E+22	1,914627E+22	1,914638E+22	2,083678E+22	2,313858E+22
-1167	2,487787E+22	2,558878E+22	2,563785E+22	2,563789E+22	2,558881E+22	2,487768E+22	2,313817E+22	2,083648E+22	1,914628E+22	1,914634E+22	2,083647E+22	2,313781E+22
-1166	2,487695E+22	2,558777E+22	2,563682E+22	2,563727E+22	2,558863E+22	2,487777E+22	2,313844E+22	2,083666E+22	1,914617E+22	1,914597E+22	2,083614E+22	2,313785E+22
-1165	2,487767E+22	2,558932E+22	2,563840E+22	2,563825E+22	2,558913E+22	2,487782E+22	2,313811E+22	2,083628E+22	1,914591E+22	1,914592E+22	2,083640E+22	2,313830E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1164	2,487766E+22	2,558858E+22	2,563728E+22	2,563701E+22	2,558806E+22	2,487724E+22	2,313797E+22	2,083629E+22	1,914586E+22	1,914567E+22	2,083581E+22	2,313745E+22
-1163	2,487696E+22	2,558820E+22	2,563752E+22	2,563765E+22	2,558850E+22	2,487727E+22	2,313777E+22	2,083606E+22	1,914570E+22	1,914560E+22	2,083590E+22	2,313788E+22
-1162	2,487789E+22	2,558933E+22	2,563834E+22	2,563829E+22	2,558900E+22	2,487745E+22	2,313758E+22	2,083564E+22	1,914529E+22	1,914554E+22	2,083618E+22	2,313792E+22
-1161	2,487714E+22	2,558799E+22	2,563678E+22	2,563705E+22	2,558848E+22	2,487744E+22	2,313772E+22	2,083565E+22	1,914503E+22	1,914499E+22	2,083554E+22	2,313749E+22
-1160	2,487707E+22	2,558857E+22	2,563793E+22	2,563801E+22	2,558904E+22	2,487779E+22	2,313785E+22	2,083560E+22	1,914491E+22	1,914490E+22	2,083573E+22	2,313829E+22
-1159	2,487817E+22	2,558904E+22	2,563775E+22	2,563762E+22	2,558860E+22	2,487751E+22	2,313787E+22	2,083581E+22	1,914519E+22	1,914514E+22	2,083557E+22	2,313744E+22
-1158	2,487707E+22	2,558801E+22	2,563673E+22	2,563693E+22	2,558827E+22	2,487745E+22	2,313811E+22	2,083618E+22	1,914548E+22	1,914520E+22	2,083544E+22	2,313723E+22
-1157	2,487714E+22	2,558906E+22	2,563845E+22	2,563835E+22	2,558913E+22	2,487766E+22	2,313786E+22	2,083601E+22	1,914563E+22	1,914568E+22	2,083621E+22	2,313814E+22
-1156	2,487750E+22	2,558852E+22	2,563745E+22	2,563734E+22	2,558834E+22	2,487731E+22	2,313783E+22	2,083613E+22	1,914589E+22	1,914594E+22	2,083617E+22	2,313766E+22
-1155	2,487684E+22	2,558778E+22	2,563708E+22	2,563745E+22	2,558855E+22	2,487746E+22	2,313801E+22	2,083638E+22	1,914617E+22	1,914615E+22	2,083636E+22	2,313809E+22
-1154	2,487789E+22	2,558927E+22	2,563826E+22	2,563821E+22	2,558903E+22	2,487766E+22	2,313803E+22	2,083637E+22	1,914625E+22	1,914645E+22	2,083687E+22	2,313848E+22
-1153	2,487766E+22	2,558847E+22	2,563714E+22	2,563707E+22	2,558823E+22	2,487732E+22	2,313811E+22	2,083670E+22	1,914653E+22	1,914639E+22	2,083633E+22	2,313772E+22
-1152	2,487713E+22	2,558867E+22	2,563819E+22	2,563815E+22	2,558882E+22	2,487754E+22	2,313817E+22	2,083684E+22	1,914678E+22	1,914667E+22	2,083670E+22	2,313841E+22
-1151	2,487810E+22	2,558937E+22	2,563849E+22	2,563838E+22	2,558892E+22	2,487746E+22	2,313807E+22	2,083683E+22	1,914701E+22	1,914713E+22	2,083702E+22	2,313803E+22
-1150	2,487705E+22	2,558807E+22	2,563714E+22	2,563737E+22	2,558858E+22	2,487762E+22	2,313843E+22	2,083706E+22	1,914700E+22	1,914689E+22	2,083669E+22	2,313776E+22
-1149	2,487695E+22	2,558864E+22	2,563845E+22	2,563862E+22	2,558939E+22	2,487800E+22	2,313841E+22	2,083691E+22	1,914689E+22	1,914694E+22	2,083710E+22	2,313871E+22
-1148	2,487797E+22	2,558878E+22	2,563766E+22	2,563760E+22	2,558855E+22	2,487754E+22	2,313826E+22	2,083686E+22	1,914683E+22	1,914684E+22	2,083676E+22	2,313795E+22
-1147	2,487711E+22	2,558799E+22	2,563696E+22	2,563712E+22	2,558832E+22	2,487747E+22	2,313832E+22	2,083697E+22	1,914684E+22	1,914659E+22	2,083642E+22	2,313783E+22
-1146	2,487759E+22	2,558931E+22	2,563850E+22	2,563822E+22	2,558890E+22	2,487756E+22	2,313809E+22	2,083662E+22	1,914653E+22	1,914659E+22	2,083682E+22	2,313839E+22
-1145	2,487759E+22	2,558850E+22	2,563745E+22	2,563732E+22	2,558818E+22	2,487705E+22	2,313776E+22	2,083639E+22	1,914627E+22	1,914619E+22	2,083618E+22	2,313754E+22
-1144	2,487681E+22	2,558805E+22	2,563764E+22	2,563794E+22	2,558879E+22	2,487742E+22	2,313779E+22	2,083615E+22	1,914593E+22	1,914594E+22	2,083627E+22	2,313819E+22
-1143	2,487795E+22	2,558913E+22	2,563810E+22	2,563815E+22	2,558902E+22	2,487756E+22	2,313775E+22	2,083591E+22	1,914568E+22	1,914593E+22	2,083645E+22	2,313810E+22
-1142	2,487735E+22	2,558819E+22	2,563683E+22	2,563676E+22	2,558823E+22	2,487755E+22	2,313814E+22	2,083617E+22	1,914555E+22	1,914536E+22	2,083564E+22	2,313738E+22
-1141	2,487691E+22	2,558851E+22	2,563809E+22	2,563808E+22	2,558895E+22	2,487777E+22	2,313814E+22	2,083626E+22	1,914575E+22	1,914556E+22	2,083589E+22	2,313806E+22
-1140	2,487800E+22	2,558911E+22	2,563795E+22	2,563772E+22	2,558847E+22	2,487727E+22	2,313780E+22	2,083618E+22	1,914595E+22	1,914595E+22	2,083604E+22	2,313746E+22
-1139	2,487689E+22	2,558792E+22	2,563688E+22	2,563710E+22	2,558832E+22	2,487728E+22	2,313792E+22	2,083644E+22	1,914626E+22	1,914610E+22	2,083605E+22	2,313740E+22
-1138	2,487695E+22	2,558873E+22	2,563827E+22	2,563831E+22	2,558917E+22	2,487776E+22	2,313804E+22	2,083639E+22	1,914629E+22	1,914646E+22	2,083686E+22	2,313855E+22
-1137	2,487765E+22	2,558838E+22	2,563739E+22	2,563741E+22	2,558835E+22	2,487726E+22	2,313792E+22	2,083646E+22	1,914640E+22	1,914648E+22	2,083656E+22	2,313789E+22
-1136	2,487698E+22	2,558786E+22	2,563719E+22	2,563753E+22	2,558858E+22	2,487749E+22	2,313818E+22	2,083679E+22	1,914667E+22	1,914660E+22	2,083667E+22	2,313830E+22
-1135	2,487802E+22	2,558937E+22	2,563832E+22	2,563812E+22	2,558885E+22	2,487754E+22	2,313814E+22	2,083684E+22	1,914698E+22	1,914714E+22	2,083721E+22	2,313848E+22
-1134	2,487765E+22	2,558868E+22	2,563749E+22	2,563712E+22	2,558805E+22	2,487727E+22	2,313832E+22	2,083718E+22	1,914725E+22	1,914709E+22	2,083670E+22	2,313762E+22
-1133	2,487675E+22	2,558837E+22	2,563831E+22	2,563848E+22	2,558908E+22	2,487764E+22	2,313832E+22	2,083728E+22	1,914753E+22	1,914744E+22	2,083714E+22	2,313841E+22
-1132	2,487795E+22	2,558919E+22	2,563835E+22	2,563834E+22	2,558898E+22	2,487751E+22	2,313811E+22	2,083705E+22	1,914751E+22	1,914775E+22	2,083751E+22	2,313830E+22
-1131	2,487713E+22	2,558799E+22	2,563704E+22	2,563724E+22	2,558847E+22	2,487758E+22	2,313849E+22	2,083741E+22	1,914759E+22	1,914742E+22	2,083703E+22	2,313793E+22
-1130	2,487703E+22	2,558854E+22	2,563823E+22	2,563832E+22	2,558912E+22	2,487794E+22	2,313866E+22	2,083744E+22	1,914752E+22	1,914746E+22	2,083737E+22	2,313880E+22
-1129	2,487806E+22	2,558886E+22	2,563783E+22	2,563767E+22	2,558831E+22	2,487723E+22	2,313822E+22	2,083720E+22	1,914738E+22	1,914733E+22	2,083695E+22	2,313786E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1128	2,487699E+22	2,558807E+22	2,563732E+22	2,563748E+22	2,558839E+22	2,487731E+22	2,313822E+22	2,083715E+22	1,914724E+22	1,914709E+22	2,083680E+22	2,313793E+22
-1127	2,487746E+22	2,558915E+22	2,563848E+22	2,563830E+22	2,558895E+22	2,487750E+22	2,313800E+22	2,083674E+22	1,914698E+22	1,914718E+22	2,083729E+22	2,313855E+22
-1126	2,487757E+22	2,558850E+22	2,563753E+22	2,563729E+22	2,558820E+22	2,487729E+22	2,313804E+22	2,083663E+22	1,914660E+22	1,914659E+22	2,083649E+22	2,313766E+22
-1125	2,487671E+22	2,558783E+22	2,563760E+22	2,563806E+22	2,558896E+22	2,487765E+22	2,313814E+22	2,083662E+22	1,914645E+22	1,914635E+22	2,083641E+22	2,313815E+22
-1124	2,487805E+22	2,558921E+22	2,563800E+22	2,563798E+22	2,558888E+22	2,487753E+22	2,313790E+22	2,083631E+22	1,914625E+22	1,914641E+22	2,083665E+22	2,313809E+22
-1123	2,487738E+22	2,558836E+22	2,563705E+22	2,563678E+22	2,558802E+22	2,487734E+22	2,313816E+22	2,083666E+22	1,914638E+22	1,914609E+22	2,083596E+22	2,313729E+22
-1122	2,487667E+22	2,558828E+22	2,563808E+22	2,563810E+22	2,558879E+22	2,487760E+22	2,313824E+22	2,083677E+22	1,914657E+22	1,914643E+22	2,083647E+22	2,313813E+22
-1121	2,487775E+22	2,558878E+22	2,563796E+22	2,563795E+22	2,558853E+22	2,487712E+22	2,313770E+22	2,083640E+22	1,914655E+22	1,914670E+22	2,083664E+22	2,313770E+22
-1120	2,487680E+22	2,558773E+22	2,563688E+22	2,563725E+22	2,558846E+22	2,487737E+22	2,313797E+22	2,083659E+22	1,914661E+22	1,914665E+22	2,083665E+22	2,313786E+22
-1119	2,487715E+22	2,558862E+22	2,563798E+22	2,563799E+22	2,558894E+22	2,487770E+22	2,313816E+22	2,083673E+22	1,914681E+22	1,914701E+22	2,083729E+22	2,313883E+22
-1118	2,487799E+22	2,558873E+22	2,563753E+22	2,563717E+22	2,558805E+22	2,487726E+22	2,313820E+22	2,083694E+22	1,914700E+22	1,914695E+22	2,083675E+22	2,313786E+22
-1117	2,487694E+22	2,558798E+22	2,563752E+22	2,563777E+22	2,558856E+22	2,487742E+22	2,313836E+22	2,083735E+22	1,914747E+22	1,914724E+22	2,083682E+22	2,313807E+22
-1116	2,487791E+22	2,558949E+22	2,563857E+22	2,563835E+22	2,558886E+22	2,487739E+22	2,313810E+22	2,083717E+22	1,914767E+22	1,914787E+22	2,083763E+22	2,313846E+22
-1115	2,487744E+22	2,558861E+22	2,563771E+22	2,563743E+22	2,558823E+22	2,487726E+22	2,313832E+22	2,083753E+22	1,914798E+22	1,914785E+22	2,083719E+22	2,313770E+22
-1114	2,487649E+22	2,558795E+22	2,563806E+22	2,563846E+22	2,558916E+22	2,487787E+22	2,313869E+22	2,083780E+22	1,914819E+22	1,914814E+22	2,083766E+22	2,313863E+22
-1113	2,487790E+22	2,558895E+22	2,563822E+22	2,563837E+22	2,558895E+22	2,487753E+22	2,313832E+22	2,083749E+22	1,914807E+22	1,914826E+22	2,083784E+22	2,313845E+22
-1112	2,487721E+22	2,558804E+22	2,563706E+22	2,563720E+22	2,558836E+22	2,487755E+22	2,313865E+22	2,083781E+22	1,914810E+22	1,914792E+22	2,083738E+22	2,313807E+22
-1111	2,487710E+22	2,558860E+22	2,563819E+22	2,563809E+22	2,558873E+22	2,487765E+22	2,313868E+22	2,083785E+22	1,914822E+22	1,914815E+22	2,083778E+22	2,313886E+22
-1110	2,487807E+22	2,558905E+22	2,563809E+22	2,563770E+22	2,558812E+22	2,487705E+22	2,313821E+22	2,083747E+22	1,914794E+22	1,914794E+22	2,083737E+22	2,313789E+22
-1109	2,487673E+22	2,558783E+22	2,563742E+22	2,563783E+22	2,558864E+22	2,487735E+22	2,313821E+22	2,083736E+22	1,914773E+22	1,914764E+22	2,083716E+22	2,313803E+22
-1108	2,487749E+22	2,558910E+22	2,563838E+22	2,563831E+22	2,558900E+22	2,487755E+22	2,313800E+22	2,083681E+22	1,914724E+22	1,914758E+22	2,083766E+22	2,313880E+22
-1107	2,487772E+22	2,558858E+22	2,563756E+22	2,563726E+22	2,558811E+22	2,487724E+22	2,313813E+22	2,083694E+22	1,914704E+22	1,914691E+22	2,083664E+22	2,313767E+22
-1106	2,487671E+22	2,558777E+22	2,563748E+22	2,563790E+22	2,558880E+22	2,487769E+22	2,313846E+22	2,083718E+22	1,914709E+22	1,914683E+22	2,083660E+22	2,313803E+22
-1105	2,487790E+22	2,558921E+22	2,563823E+22	2,563818E+22	2,558875E+22	2,487731E+22	2,313792E+22	2,083670E+22	1,914688E+22	1,914696E+22	2,083686E+22	2,313793E+22
-1104	2,487712E+22	2,558826E+22	2,563723E+22	2,563710E+22	2,558814E+22	2,487726E+22	2,313815E+22	2,083693E+22	1,914691E+22	1,914676E+22	2,083651E+22	2,313743E+22
-1103	2,487648E+22	2,558798E+22	2,563783E+22	2,563801E+22	2,558876E+22	2,487757E+22	2,313829E+22	2,083707E+22	1,914719E+22	1,914720E+22	2,083713E+22	2,313847E+22
-1102	2,487780E+22	2,558874E+22	2,563787E+22	2,563776E+22	2,558841E+22	2,487725E+22	2,313797E+22	2,083676E+22	1,914705E+22	1,914726E+22	2,083713E+22	2,313799E+22
-1101	2,487685E+22	2,558763E+22	2,563683E+22	2,563730E+22	2,558848E+22	2,487745E+22	2,313824E+22	2,083710E+22	1,914725E+22	1,914718E+22	2,083690E+22	2,313796E+22
-1100	2,487744E+22	2,558894E+22	2,563803E+22	2,563785E+22	2,558869E+22	2,487753E+22	2,313821E+22	2,083710E+22	1,914744E+22	1,914760E+22	2,083758E+22	2,313887E+22
-1099	2,487807E+22	2,558906E+22	2,563796E+22	2,563737E+22	2,558787E+22	2,487697E+22	2,313817E+22	2,083743E+22	1,914783E+22	1,914767E+22	2,083706E+22	2,313773E+22
-1098	2,487668E+22	2,558785E+22	2,563766E+22	2,563804E+22	2,558864E+22	2,487738E+22	2,313851E+22	2,083789E+22	1,914832E+22	1,914810E+22	2,083736E+22	2,313807E+22
-1097	2,487754E+22	2,558916E+22	2,563865E+22	2,563872E+22	2,558908E+22	2,487741E+22	2,313813E+22	2,083748E+22	1,914829E+22	1,914857E+22	2,083813E+22	2,313863E+22
-1096	2,487730E+22	2,558836E+22	2,563762E+22	2,563758E+22	2,558843E+22	2,487748E+22	2,313856E+22	2,083785E+22	1,914840E+22	1,914842E+22	2,083776E+22	2,313805E+22
-1095	2,487658E+22	2,558778E+22	2,563766E+22	2,563807E+22	2,558889E+22	2,487784E+22	2,313896E+22	2,083830E+22	1,914883E+22	1,914874E+22	2,083810E+22	2,313886E+22
-1094	2,487807E+22	2,558917E+22	2,563824E+22	2,563806E+22	2,558859E+22	2,487746E+22	2,313855E+22	2,083798E+22	1,914870E+22	1,914878E+22	2,083811E+22	2,313846E+22
-1093	2,487714E+22	2,558812E+22	2,563731E+22	2,563740E+22	2,558828E+22	2,487735E+22	2,313868E+22	2,083823E+22	1,914880E+22	1,914856E+22	2,083761E+22	2,313799E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1092	2,487708E+22	2,558872E+22	2,563831E+22	2,563820E+22	2,558865E+22	2,487736E+22	2,313844E+22	2,083795E+22	1,914870E+22	1,914877E+22	2,083823E+22	2,313898E+22
-1091	2,487800E+22	2,558908E+22	2,563829E+22	2,563798E+22	2,558825E+22	2,487696E+22	2,313810E+22	2,083764E+22	1,914839E+22	1,914843E+22	2,083774E+22	2,313805E+22
-1090	2,487663E+22	2,558759E+22	2,563726E+22	2,563786E+22	2,558875E+22	2,487752E+22	2,313849E+22	2,083771E+22	1,914813E+22	1,914804E+22	2,083747E+22	2,313816E+22
-1089	2,487741E+22	2,558893E+22	2,563833E+22	2,563839E+22	2,558902E+22	2,487759E+22	2,313820E+22	2,083716E+22	1,914761E+22	1,914784E+22	2,083775E+22	2,313879E+22
-1088	2,487772E+22	2,558866E+22	2,563765E+22	2,563733E+22	2,558812E+22	2,487731E+22	2,313837E+22	2,083732E+22	1,914748E+22	1,914734E+22	2,083689E+22	2,313765E+22
-1087	2,487660E+22	2,558773E+22	2,563736E+22	2,563769E+22	2,558847E+22	2,487747E+22	2,313859E+22	2,083768E+22	1,914784E+22	1,914757E+22	2,083702E+22	2,313803E+22
-1086	2,487768E+22	2,558916E+22	2,563828E+22	2,563816E+22	2,558865E+22	2,487724E+22	2,313798E+22	2,083707E+22	1,914755E+22	1,914769E+22	2,083738E+22	2,313804E+22
-1085	2,487686E+22	2,558796E+22	2,563715E+22	2,563728E+22	2,558829E+22	2,487727E+22	2,313818E+22	2,083723E+22	1,914754E+22	1,914745E+22	2,083698E+22	2,313769E+22
-1084	2,487663E+22	2,558798E+22	2,563762E+22	2,563781E+22	2,558857E+22	2,487743E+22	2,313827E+22	2,083726E+22	1,914762E+22	1,914774E+22	2,083762E+22	2,313885E+22
-1083	2,487808E+22	2,558899E+22	2,563798E+22	2,563772E+22	2,558818E+22	2,487700E+22	2,313801E+22	2,083719E+22	1,914764E+22	1,914771E+22	2,083737E+22	2,313810E+22
-1082	2,487694E+22	2,558778E+22	2,563695E+22	2,563731E+22	2,558833E+22	2,487736E+22	2,313846E+22	2,083767E+22	1,914798E+22	1,914777E+22	2,083714E+22	2,313786E+22
-1081	2,487725E+22	2,558902E+22	2,563847E+22	2,563829E+22	2,558871E+22	2,487734E+22	2,313822E+22	2,083749E+22	1,914812E+22	1,914824E+22	2,083785E+22	2,313873E+22
-1080	2,487779E+22	2,558901E+22	2,563826E+22	2,563790E+22	2,558824E+22	2,487707E+22	2,313825E+22	2,083772E+22	1,914841E+22	1,914842E+22	2,083763E+22	2,313782E+22
-1079	2,487640E+22	2,558753E+22	2,563742E+22	2,563802E+22	2,558875E+22	2,487756E+22	2,313876E+22	2,083836E+22	1,914906E+22	1,914893E+22	2,083801E+22	2,313834E+22
-1078	2,487743E+22	2,558898E+22	2,563847E+22	2,563857E+22	2,558911E+22	2,487767E+22	2,313853E+22	2,083801E+22	1,914894E+22	1,914919E+22	2,083860E+22	2,313888E+22
-1077	2,487728E+22	2,558817E+22	2,563743E+22	2,563753E+22	2,558843E+22	2,487755E+22	2,313890E+22	2,083848E+22	1,914918E+22	1,914904E+22	2,083804E+22	2,313820E+22
-1076	2,487685E+22	2,558801E+22	2,563759E+22	2,563777E+22	2,558848E+22	2,487754E+22	2,313898E+22	2,083871E+22	1,914951E+22	1,914941E+22	2,083851E+22	2,313901E+22
-1075	2,487816E+22	2,558945E+22	2,563857E+22	2,563812E+22	2,558824E+22	2,487696E+22	2,313841E+22	2,083837E+22	1,914941E+22	1,914944E+22	2,083848E+22	2,313848E+22
-1074	2,487694E+22	2,558802E+22	2,563740E+22	2,563759E+22	2,558832E+22	2,487721E+22	2,313862E+22	2,083849E+22	1,914938E+22	1,914922E+22	2,083809E+22	2,313811E+22
-1073	2,487686E+22	2,558855E+22	2,563846E+22	2,563852E+22	2,558883E+22	2,487732E+22	2,313831E+22	2,083796E+22	1,914896E+22	1,914914E+22	2,083855E+22	2,313917E+22
-1072	2,487799E+22	2,558898E+22	2,563826E+22	2,563813E+22	2,558847E+22	2,487716E+22	2,313826E+22	2,083774E+22	1,914853E+22	1,914868E+22	2,083801E+22	2,313822E+22
-1071	2,487671E+22	2,558755E+22	2,563698E+22	2,563756E+22	2,558857E+22	2,487756E+22	2,313878E+22	2,083819E+22	1,914864E+22	1,914841E+22	2,083763E+22	2,313817E+22
-1070	2,487738E+22	2,558908E+22	2,563839E+22	2,563821E+22	2,558883E+22	2,487760E+22	2,313846E+22	2,083768E+22	1,914823E+22	1,914826E+22	2,083783E+22	2,313859E+22
-1069	2,487743E+22	2,558857E+22	2,563781E+22	2,563756E+22	2,558815E+22	2,487721E+22	2,313849E+22	2,083784E+22	1,914825E+22	1,914799E+22	2,083710E+22	2,313754E+22
-1068	2,487647E+22	2,558768E+22	2,563730E+22	2,563765E+22	2,558836E+22	2,487725E+22	2,313845E+22	2,083789E+22	1,914843E+22	1,914832E+22	2,083761E+22	2,313826E+22
-1067	2,487757E+22	2,558908E+22	2,563831E+22	2,563822E+22	2,558859E+22	2,487706E+22	2,313796E+22	2,083738E+22	1,914812E+22	1,914830E+22	2,083788E+22	2,313834E+22
-1066	2,487684E+22	2,558777E+22	2,563699E+22	2,563723E+22	2,558830E+22	2,487733E+22	2,313839E+22	2,083765E+22	1,914810E+22	1,914802E+22	2,083743E+22	2,313795E+22
-1065	2,487670E+22	2,558802E+22	2,563774E+22	2,563790E+22	2,558850E+22	2,487730E+22	2,313830E+22	2,083759E+22	1,914813E+22	1,914817E+22	2,083783E+22	2,313894E+22
-1064	2,487820E+22	2,558924E+22	2,563826E+22	2,563793E+22	2,558822E+22	2,487699E+22	2,313814E+22	2,083754E+22	1,914818E+22	1,914829E+22	2,083772E+22	2,313810E+22
-1063	2,487684E+22	2,558783E+22	2,563706E+22	2,563736E+22	2,558820E+22	2,487721E+22	2,313860E+22	2,083822E+22	1,914882E+22	1,914861E+22	2,083764E+22	2,313788E+22
-1062	2,487695E+22	2,558888E+22	2,563857E+22	2,563848E+22	2,558891E+22	2,487746E+22	2,313837E+22	2,083795E+22	1,914888E+22	1,914901E+22	2,083837E+22	2,313883E+22
-1061	2,487749E+22	2,558866E+22	2,563817E+22	2,563811E+22	2,558857E+22	2,487733E+22	2,313852E+22	2,083819E+22	1,914914E+22	1,914916E+22	2,083811E+22	2,313809E+22
-1060	2,487654E+22	2,558745E+22	2,563707E+22	2,563764E+22	2,558853E+22	2,487752E+22	2,313892E+22	2,083873E+22	1,914965E+22	1,914958E+22	2,083854E+22	2,313871E+22
-1059	2,487764E+22	2,558911E+22	2,563846E+22	2,563836E+22	2,558875E+22	2,487739E+22	2,313866E+22	2,083859E+22	1,914966E+22	1,914973E+22	2,083888E+22	2,313901E+22
-1058	2,487736E+22	2,558829E+22	2,563751E+22	2,563743E+22	2,558815E+22	2,487729E+22	2,313897E+22	2,083900E+22	1,914995E+22	1,914970E+22	2,083835E+22	2,313818E+22
-1057	2,487668E+22	2,558807E+22	2,563798E+22	2,563806E+22	2,558835E+22	2,487714E+22	2,313874E+22	2,083891E+22	1,915006E+22	1,914998E+22	2,083881E+22	2,313901E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1056	2,487802E+22	2,558946E+22	2,563886E+22	2,563856E+22	2,558854E+22	2,487698E+22	2,313832E+22	2,083840E+22	1,914973E+22	1,914999E+22	2,083896E+22	2,313862E+22
-1055	2,487680E+22	2,558784E+22	2,563728E+22	2,563757E+22	2,558839E+22	2,487733E+22	2,313879E+22	2,083877E+22	1,914981E+22	1,914972E+22	2,083849E+22	2,313831E+22
-1054	2,487681E+22	2,558844E+22	2,563836E+22	2,563846E+22	2,558897E+22	2,487761E+22	2,313864E+22	2,083834E+22	1,914936E+22	1,914944E+22	2,083868E+22	2,313920E+22
-1053	2,487795E+22	2,558889E+22	2,563820E+22	2,563817E+22	2,558861E+22	2,487734E+22	2,313859E+22	2,083829E+22	1,914915E+22	1,914908E+22	2,083802E+22	2,313813E+22
-1052	2,487680E+22	2,558770E+22	2,563692E+22	2,563726E+22	2,558822E+22	2,487734E+22	2,313885E+22	2,083861E+22	1,914931E+22	1,914903E+22	2,083794E+22	2,313816E+22
-1051	2,487722E+22	2,558909E+22	2,563861E+22	2,563830E+22	2,558858E+22	2,487717E+22	2,313840E+22	2,083817E+22	1,914900E+22	1,914896E+22	2,083822E+22	2,313859E+22
-1050	2,487712E+22	2,558826E+22	2,563774E+22	2,563765E+22	2,558820E+22	2,487710E+22	2,313846E+22	2,083816E+22	1,914893E+22	1,914878E+22	2,083772E+22	2,313778E+22
-1049	2,487626E+22	2,558743E+22	2,563732E+22	2,563776E+22	2,558838E+22	2,487713E+22	2,313832E+22	2,083796E+22	1,914879E+22	1,914883E+22	2,083809E+22	2,313864E+22
-1048	2,487775E+22	2,558909E+22	2,563830E+22	2,563823E+22	2,558864E+22	2,487713E+22	2,313805E+22	2,083750E+22	1,914837E+22	1,914873E+22	2,083829E+22	2,313863E+22
-1047	2,487706E+22	2,558791E+22	2,563691E+22	2,563698E+22	2,558806E+22	2,487725E+22	2,313859E+22	2,083811E+22	1,914870E+22	1,914853E+22	2,083768E+22	2,313804E+22
-1046	2,487678E+22	2,558828E+22	2,563799E+22	2,563795E+22	2,558848E+22	2,487730E+22	2,313845E+22	2,083805E+22	1,914880E+22	1,914870E+22	2,083797E+22	2,313878E+22
-1045	2,487797E+22	2,558920E+22	2,563853E+22	2,563834E+22	2,558851E+22	2,487705E+22	2,313830E+22	2,083806E+22	1,914900E+22	1,914900E+22	2,083797E+22	2,313803E+22
-1044	2,487671E+22	2,558775E+22	2,563706E+22	2,563741E+22	2,558827E+22	2,487720E+22	2,313867E+22	2,083859E+22	1,914955E+22	1,914944E+22	2,083826E+22	2,313811E+22
-1043	2,487678E+22	2,558867E+22	2,563856E+22	2,563852E+22	2,558887E+22	2,487742E+22	2,313859E+22	2,083851E+22	1,914960E+22	1,914970E+22	2,083885E+22	2,313905E+22
-1042	2,487738E+22	2,558836E+22	2,563791E+22	2,563796E+22	2,558852E+22	2,487742E+22	2,313887E+22	2,083882E+22	1,914992E+22	1,914989E+22	2,083860E+22	2,313832E+22
-1041	2,487655E+22	2,558747E+22	2,563714E+22	2,563753E+22	2,558829E+22	2,487731E+22	2,313896E+22	2,083913E+22	1,915029E+22	1,915016E+22	2,083886E+22	2,313885E+22
-1040	2,487777E+22	2,558933E+22	2,563869E+22	2,563838E+22	2,558858E+22	2,487719E+22	2,313865E+22	2,083887E+22	1,915025E+22	1,915042E+22	2,083930E+22	2,313905E+22
-1039	2,487730E+22	2,558834E+22	2,563766E+22	2,563747E+22	2,558795E+22	2,487701E+22	2,313891E+22	2,083937E+22	1,915068E+22	1,915049E+22	2,083886E+22	2,313831E+22
-1038	2,487654E+22	2,558800E+22	2,563810E+22	2,563830E+22	2,558860E+22	2,487718E+22	2,313866E+22	2,083908E+22	1,915055E+22	1,915054E+22	2,083920E+22	2,313912E+22
-1037	2,487786E+22	2,558922E+22	2,563883E+22	2,563879E+22	2,558891E+22	2,487725E+22	2,313851E+22	2,083868E+22	1,915016E+22	1,915040E+22	2,083918E+22	2,313879E+22
-1036	2,487697E+22	2,558783E+22	2,563711E+22	2,563731E+22	2,558825E+22	2,487735E+22	2,313896E+22	2,083907E+22	1,915021E+22	1,915011E+22	2,083876E+22	2,313846E+22
-1035	2,487688E+22	2,558852E+22	2,563843E+22	2,563834E+22	2,558869E+22	2,487743E+22	2,313886E+22	2,083893E+22	1,914997E+22	1,914982E+22	2,083872E+22	2,313905E+22
-1034	2,487778E+22	2,558884E+22	2,563827E+22	2,563815E+22	2,558848E+22	2,487725E+22	2,313875E+22	2,083881E+22	1,914990E+22	1,914974E+22	2,083829E+22	2,313799E+22
-1033	2,487647E+22	2,558761E+22	2,563718E+22	2,563743E+22	2,558814E+22	2,487706E+22	2,313867E+22	2,083881E+22	1,914986E+22	1,914967E+22	2,083834E+22	2,313822E+22
-1032	2,487706E+22	2,558892E+22	2,563865E+22	2,563849E+22	2,558878E+22	2,487722E+22	2,313834E+22	2,083821E+22	1,914938E+22	1,914962E+22	2,083882E+22	2,313887E+22
-1031	2,487709E+22	2,558804E+22	2,563752E+22	2,563748E+22	2,558812E+22	2,487712E+22	2,313859E+22	2,083846E+22	1,914942E+22	1,914938E+22	2,083826E+22	2,313817E+22
-1030	2,487641E+22	2,558737E+22	2,563721E+22	2,563768E+22	2,558844E+22	2,487725E+22	2,313849E+22	2,083829E+22	1,914923E+22	1,914920E+22	2,083832E+22	2,313880E+22
-1029	2,487791E+22	2,558920E+22	2,563840E+22	2,563829E+22	2,558872E+22	2,487724E+22	2,313831E+22	2,083801E+22	1,914901E+22	1,914917E+22	2,083837E+22	2,313863E+22
-1028	2,487726E+22	2,558820E+22	2,563709E+22	2,563682E+22	2,558774E+22	2,487702E+22	2,313864E+22	2,083852E+22	1,914939E+22	1,914921E+22	2,083802E+22	2,313800E+22
-1027	2,487660E+22	2,558832E+22	2,563833E+22	2,563820E+22	2,558839E+22	2,487703E+22	2,313851E+22	2,083861E+22	1,914961E+22	1,914944E+22	2,083833E+22	2,313870E+22
-1026	2,487763E+22	2,558889E+22	2,563851E+22	2,563854E+22	2,558873E+22	2,487714E+22	2,313840E+22	2,083849E+22	1,914979E+22	1,914986E+22	2,083855E+22	2,313818E+22
-1025	2,487644E+22	2,558746E+22	2,563703E+22	2,563740E+22	2,558826E+22	2,487718E+22	2,313872E+22	2,083887E+22	1,915010E+22	1,915008E+22	2,083876E+22	2,313843E+22
-1024	2,487690E+22	2,558856E+22	2,563845E+22	2,563843E+22	2,558884E+22	2,487748E+22	2,313878E+22	2,083883E+22	1,915013E+22	1,915033E+22	2,083931E+22	2,313927E+22
-1023	2,487753E+22	2,558843E+22	2,563782E+22	2,563765E+22	2,558813E+22	2,487721E+22	2,313904E+22	2,083940E+22	1,915072E+22	1,915060E+22	2,083900E+22	2,313844E+22
-1022	2,487660E+22	2,558765E+22	2,563737E+22	2,563760E+22	2,558819E+22	2,487713E+22	2,313894E+22	2,083953E+22	1,915099E+22	1,915081E+22	2,083914E+22	2,313879E+22
-1021	2,487762E+22	2,558933E+22	2,563899E+22	2,563878E+22	2,558881E+22	2,487717E+22	2,313866E+22	2,083921E+22	1,915092E+22	1,915109E+22	2,083962E+22	2,313909E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1020	2,487728E+22	2,558832E+22	2,563772E+22	2,563753E+22	2,558801E+22	2,487699E+22	2,313887E+22	2,083954E+22	1,915117E+22	1,915114E+22	2,083939E+22	2,313853E+22
-1019	2,487648E+22	2,558789E+22	2,563818E+22	2,563844E+22	2,558864E+22	2,487722E+22	2,313890E+22	2,083951E+22	1,915103E+22	1,915096E+22	2,083946E+22	2,313921E+22
-1018	2,487780E+22	2,558900E+22	2,563864E+22	2,563876E+22	2,558902E+22	2,487747E+22	2,313886E+22	2,083921E+22	1,915077E+22	1,915090E+22	2,083943E+22	2,313881E+22
-1017	2,487688E+22	2,558785E+22	2,563722E+22	2,563722E+22	2,558807E+22	2,487727E+22	2,313909E+22	2,083946E+22	1,915075E+22	1,915056E+22	2,083896E+22	2,313845E+22
-1016	2,487685E+22	2,558853E+22	2,563858E+22	2,563838E+22	2,558856E+22	2,487733E+22	2,313893E+22	2,083921E+22	1,915054E+22	1,915050E+22	2,083911E+22	2,313898E+22
-1015	2,487754E+22	2,558865E+22	2,563824E+22	2,563810E+22	2,558828E+22	2,487702E+22	2,313875E+22	2,083920E+22	1,915061E+22	1,915055E+22	2,083889E+22	2,313819E+22
-1014	2,487635E+22	2,558740E+22	2,563709E+22	2,563750E+22	2,558830E+22	2,487708E+22	2,313857E+22	2,083893E+22	1,915030E+22	1,915024E+22	2,083881E+22	2,313849E+22
-1013	2,487711E+22	2,558874E+22	2,563850E+22	2,563848E+22	2,558890E+22	2,487737E+22	2,313847E+22	2,083844E+22	1,914977E+22	1,915001E+22	2,083908E+22	2,313918E+22
-1012	2,487748E+22	2,558819E+22	2,563741E+22	2,563718E+22	2,558782E+22	2,487698E+22	2,313866E+22	2,083872E+22	1,914982E+22	1,914978E+22	2,083855E+22	2,313837E+22
-1011	2,487665E+22	2,558767E+22	2,563750E+22	2,563768E+22	2,558811E+22	2,487695E+22	2,313861E+22	2,083880E+22	1,914979E+22	1,914957E+22	2,083833E+22	2,313859E+22
-1010	2,487775E+22	2,558922E+22	2,563864E+22	2,563849E+22	2,558872E+22	2,487718E+22	2,313844E+22	2,083851E+22	1,914977E+22	1,914984E+22	2,083863E+22	2,313840E+22
-1009	2,487687E+22	2,558813E+22	2,563749E+22	2,563718E+22	2,558784E+22	2,487691E+22	2,313856E+22	2,083878E+22	1,915000E+22	1,914990E+22	2,083846E+22	2,313802E+22
-1008	2,487635E+22	2,558804E+22	2,563835E+22	2,563842E+22	2,558865E+22	2,487724E+22	2,313863E+22	2,083882E+22	1,915017E+22	1,915023E+22	2,083892E+22	2,313883E+22
-1007	2,487743E+22	2,558854E+22	2,563825E+22	2,563837E+22	2,558867E+22	2,487727E+22	2,313874E+22	2,083905E+22	1,915053E+22	1,915065E+22	2,083917E+22	2,313853E+22
-1006	2,487653E+22	2,558733E+22	2,563683E+22	2,563728E+22	2,558826E+22	2,487725E+22	2,313892E+22	2,083937E+22	1,915079E+22	1,915069E+22	2,083911E+22	2,313861E+22
-1005	2,487705E+22	2,558863E+22	2,563844E+22	2,563835E+22	2,558874E+22	2,487747E+22	2,313901E+22	2,083941E+22	1,915093E+22	1,915097E+22	2,083958E+22	2,313937E+22
-1004	2,487774E+22	2,558866E+22	2,563800E+22	2,563753E+22	2,558774E+22	2,487682E+22	2,313897E+22	2,083978E+22	1,915147E+22	1,915142E+22	2,083955E+22	2,313858E+22
-1003	2,487654E+22	2,558770E+22	2,563771E+22	2,563790E+22	2,558808E+22	2,487681E+22	2,313889E+22	2,083992E+22	1,915166E+22	1,915151E+22	2,083959E+22	2,313884E+22
-1002	2,487740E+22	2,558909E+22	2,563899E+22	2,563901E+22	2,558908E+22	2,487733E+22	2,313875E+22	2,083949E+22	1,915151E+22	1,915178E+22	2,084015E+22	2,313926E+22
-1001	2,487714E+22	2,558821E+22	2,563781E+22	2,563759E+22	2,558805E+22	2,487707E+22	2,313896E+22	2,083971E+22	1,915149E+22	1,915153E+22	2,083971E+22	2,313875E+22
-1000	2,487662E+22	2,558787E+22	2,563813E+22	2,563840E+22	2,558866E+22	2,487737E+22	2,313914E+22	2,083980E+22	1,915145E+22	1,915140E+22	2,083966E+22	2,313917E+22
-999	2,487778E+22	2,558903E+22	2,563859E+22	2,563854E+22	2,558873E+22	2,487737E+22	2,313912E+22	2,083979E+22	1,915149E+22	1,915148E+22	2,083968E+22	2,313877E+22
-998	2,487677E+22	2,558782E+22	2,563730E+22	2,563732E+22	2,558804E+22	2,487713E+22	2,313910E+22	2,083985E+22	1,915140E+22	1,915115E+22	2,083921E+22	2,313836E+22
-997	2,487664E+22	2,558837E+22	2,563862E+22	2,563860E+22	2,558871E+22	2,487735E+22	2,313899E+22	2,083955E+22	1,915114E+22	1,915110E+22	2,083950E+22	2,313913E+22
-996	2,487755E+22	2,558854E+22	2,563812E+22	2,563795E+22	2,558810E+22	2,487687E+22	2,313869E+22	2,083934E+22	1,915104E+22	1,915115E+22	2,083947E+22	2,313852E+22
-995	2,487641E+22	2,558734E+22	2,563710E+22	2,563749E+22	2,558811E+22	2,487696E+22	2,313873E+22	2,083926E+22	1,915068E+22	1,915060E+22	2,083907E+22	2,313864E+22
-994	2,487720E+22	2,558872E+22	2,563844E+22	2,563845E+22	2,558888E+22	2,487741E+22	2,313865E+22	2,083884E+22	1,915030E+22	1,915047E+22	2,083930E+22	2,313915E+22
-993	2,487746E+22	2,558842E+22	2,563772E+22	2,563719E+22	2,558761E+22	2,487679E+22	2,313864E+22	2,083899E+22	1,915030E+22	1,915021E+22	2,083871E+22	2,313830E+22
-992	2,487660E+22	2,558777E+22	2,563781E+22	2,563794E+22	2,558814E+22	2,487688E+22	2,313864E+22	2,083907E+22	1,915041E+22	1,915028E+22	2,083868E+22	2,313841E+22
-991	2,487738E+22	2,558900E+22	2,563868E+22	2,563864E+22	2,558875E+22	2,487712E+22	2,313854E+22	2,083897E+22	1,915055E+22	1,915069E+22	2,083922E+22	2,313854E+22
-990	2,487662E+22	2,558777E+22	2,563732E+22	2,563736E+22	2,558813E+22	2,487708E+22	2,313867E+22	2,083909E+22	1,915061E+22	1,915060E+22	2,083899E+22	2,313827E+22
-989	2,487633E+22	2,558776E+22	2,563807E+22	2,563836E+22	2,558876E+22	2,487749E+22	2,313900E+22	2,083931E+22	1,915079E+22	1,915080E+22	2,083935E+22	2,313916E+22
-988	2,487769E+22	2,558858E+22	2,563804E+22	2,563797E+22	2,558825E+22	2,487708E+22	2,313890E+22	2,083952E+22	1,915121E+22	1,915131E+22	2,083966E+22	2,313880E+22
-987	2,487675E+22	2,558759E+22	2,563707E+22	2,563722E+22	2,558782E+22	2,487690E+22	2,313905E+22	2,083995E+22	1,915154E+22	1,915131E+22	2,083937E+22	2,313857E+22
-986	2,487700E+22	2,558872E+22	2,563867E+22	2,563855E+22	2,558869E+22	2,487729E+22	2,313903E+22	2,083986E+22	1,915175E+22	1,915179E+22	2,084002E+22	2,313930E+22
-985	2,487749E+22	2,558873E+22	2,563839E+22	2,563788E+22	2,558783E+22	2,487667E+22	2,313881E+22	2,083994E+22	1,915199E+22	1,915207E+22	2,084004E+22	2,313875E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-984	2,487648E+22	2,558762E+22	2,563784E+22	2,563819E+22	2,558837E+22	2,487701E+22	2,313898E+22	2,084007E+22	1,915210E+22	1,915214E+22	2,084005E+22	2,313895E+22
-983	2,487726E+22	2,558886E+22	2,563884E+22	2,563896E+22	2,558910E+22	2,487753E+22	2,313915E+22	2,084003E+22	1,915212E+22	1,915235E+22	2,084055E+22	2,313948E+22
-982	2,487720E+22	2,558812E+22	2,563766E+22	2,563761E+22	2,558818E+22	2,487723E+22	2,313926E+22	2,084021E+22	1,915208E+22	1,915198E+22	2,083988E+22	2,313874E+22
-981	2,487665E+22	2,558790E+22	2,563807E+22	2,563830E+22	2,558857E+22	2,487744E+22	2,313946E+22	2,084039E+22	1,915216E+22	1,915192E+22	2,083984E+22	2,313910E+22
-980	2,487771E+22	2,558906E+22	2,563863E+22	2,563840E+22	2,558834E+22	2,487700E+22	2,313907E+22	2,084018E+22	1,915220E+22	1,915224E+22	2,084021E+22	2,313888E+22
-979	2,487662E+22	2,558775E+22	2,563744E+22	2,563747E+22	2,558783E+22	2,487677E+22	2,313900E+22	2,084014E+22	1,915196E+22	1,915177E+22	2,083966E+22	2,313848E+22
-978	2,487646E+22	2,558808E+22	2,563842E+22	2,563860E+22	2,558876E+22	2,487735E+22	2,313899E+22	2,083973E+22	1,915160E+22	1,915169E+22	2,084001E+22	2,313935E+22
-977	2,487753E+22	2,558855E+22	2,563815E+22	2,563789E+22	2,558796E+22	2,487676E+22	2,313865E+22	2,083940E+22	1,915123E+22	1,915144E+22	2,083978E+22	2,313881E+22
-976	2,487668E+22	2,558753E+22	2,563717E+22	2,563750E+22	2,558804E+22	2,487692E+22	2,313877E+22	2,083942E+22	1,915101E+22	1,915095E+22	2,083920E+22	2,313855E+22
-975	2,487716E+22	2,558885E+22	2,563857E+22	2,563843E+22	2,558868E+22	2,487730E+22	2,313883E+22	2,083932E+22	1,915094E+22	1,915099E+22	2,083951E+22	2,313906E+22
-974	2,487729E+22	2,558841E+22	2,563792E+22	2,563758E+22	2,558783E+22	2,487676E+22	2,313866E+22	2,083932E+22	1,915090E+22	1,915078E+22	2,083894E+22	2,313816E+22
-973	2,487632E+22	2,558757E+22	2,563780E+22	2,563823E+22	2,558846E+22	2,487712E+22	2,313887E+22	2,083950E+22	1,915107E+22	1,915091E+22	2,083910E+22	2,313851E+22
-972	2,487720E+22	2,558873E+22	2,563847E+22	2,563853E+22	2,558868E+22	2,487715E+22	2,313873E+22	2,083936E+22	1,915119E+22	1,915144E+22	2,083987E+22	2,313891E+22
-971	2,487665E+22	2,558761E+22	2,563719E+22	2,563727E+22	2,558791E+22	2,487702E+22	2,313902E+22	2,083970E+22	1,915128E+22	1,915120E+22	2,083940E+22	2,313849E+22
-970	2,487643E+22	2,558772E+22	2,563787E+22	2,563816E+22	2,558859E+22	2,487748E+22	2,313927E+22	2,083993E+22	1,915161E+22	1,915154E+22	2,083979E+22	2,313925E+22
-969	2,487773E+22	2,558889E+22	2,563832E+22	2,563787E+22	2,558787E+22	2,487675E+22	2,313886E+22	2,083988E+22	1,915188E+22	1,915199E+22	2,084008E+22	2,313892E+22
-968	2,487679E+22	2,558781E+22	2,563743E+22	2,563751E+22	2,558777E+22	2,487666E+22	2,313892E+22	2,084019E+22	1,915223E+22	1,915214E+22	2,083986E+22	2,313856E+22
-967	2,487678E+22	2,558863E+22	2,563880E+22	2,563879E+22	2,558876E+22	2,487720E+22	2,313902E+22	2,084022E+22	1,915247E+22	1,915261E+22	2,084065E+22	2,313956E+22
-966	2,487739E+22	2,558849E+22	2,563831E+22	2,563818E+22	2,558821E+22	2,487686E+22	2,313890E+22	2,084017E+22	1,915246E+22	1,915260E+22	2,084042E+22	2,313896E+22
-965	2,487653E+22	2,558753E+22	2,563770E+22	2,563824E+22	2,558856E+22	2,487733E+22	2,313941E+22	2,084058E+22	1,915262E+22	1,915251E+22	2,084029E+22	2,313912E+22
-964	2,487736E+22	2,558892E+22	2,563874E+22	2,563867E+22	2,558873E+22	2,487737E+22	2,313937E+22	2,084057E+22	1,915277E+22	1,915287E+22	2,084083E+22	2,313952E+22
-963	2,487717E+22	2,558822E+22	2,563784E+22	2,563759E+22	2,558780E+22	2,487695E+22	2,313946E+22	2,084080E+22	1,915281E+22	1,915255E+22	2,084006E+22	2,313857E+22
-962	2,487638E+22	2,558779E+22	2,563811E+22	2,563843E+22	2,558854E+22	2,487729E+22	2,313948E+22	2,084080E+22	1,915292E+22	1,915271E+22	2,084029E+22	2,313903E+22
-961	2,487737E+22	2,558898E+22	2,563874E+22	2,563849E+22	2,558830E+22	2,487680E+22	2,313886E+22	2,084023E+22	1,915260E+22	1,915282E+22	2,084074E+22	2,313917E+22
-960	2,487661E+22	2,558765E+22	2,563743E+22	2,563759E+22	2,558795E+22	2,487681E+22	2,313894E+22	2,084017E+22	1,915228E+22	1,915229E+22	2,084008E+22	2,313870E+22
-959	2,487648E+22	2,558798E+22	2,563827E+22	2,563849E+22	2,558867E+22	2,487733E+22	2,313916E+22	2,084008E+22	1,915204E+22	1,915211E+22	2,084034E+22	2,313962E+22
-958	2,487769E+22	2,558859E+22	2,563809E+22	2,563798E+22	2,558808E+22	2,487679E+22	2,313877E+22	2,083972E+22	1,915165E+22	1,915172E+22	2,083983E+22	2,313878E+22
-957	2,487674E+22	2,558772E+22	2,563733E+22	2,563760E+22	2,558805E+22	2,487700E+22	2,313905E+22	2,083992E+22	1,915159E+22	1,915135E+22	2,083933E+22	2,313845E+22
-956	2,487696E+22	2,558884E+22	2,563870E+22	2,563848E+22	2,558849E+22	2,487706E+22	2,313887E+22	2,083974E+22	1,915163E+22	1,915170E+22	2,083997E+22	2,313910E+22
-955	2,487704E+22	2,558824E+22	2,563799E+22	2,563778E+22	2,558785E+22	2,487670E+22	2,313881E+22	2,083974E+22	1,915155E+22	1,915146E+22	2,083941E+22	2,313827E+22
-954	2,487611E+22	2,558724E+22	2,563748E+22	2,563815E+22	2,558857E+22	2,487729E+22	2,313910E+22	2,083993E+22	1,915175E+22	1,915166E+22	2,083967E+22	2,313873E+22
-953	2,487714E+22	2,558871E+22	2,563836E+22	2,563831E+22	2,558845E+22	2,487704E+22	2,313882E+22	2,083969E+22	1,915169E+22	1,915196E+22	2,084032E+22	2,313926E+22
-952	2,487693E+22	2,558783E+22	2,563726E+22	2,563720E+22	2,558769E+22	2,487681E+22	2,313902E+22	2,084007E+22	1,915194E+22	1,915184E+22	2,083971E+22	2,313852E+22
-951	2,487641E+22	2,558788E+22	2,563806E+22	2,563814E+22	2,558828E+22	2,487716E+22	2,313933E+22	2,084047E+22	1,915245E+22	1,915232E+22	2,084023E+22	2,313933E+22
-950	2,487764E+22	2,558892E+22	2,563859E+22	2,563834E+22	2,558810E+22	2,487661E+22	2,313877E+22	2,084018E+22	1,915253E+22	1,915268E+22	2,084047E+22	2,313895E+22
-949	2,487665E+22	2,558778E+22	2,563758E+22	2,563784E+22	2,558811E+22	2,487687E+22	2,313910E+22	2,084054E+22	1,915280E+22	1,915272E+22	2,084030E+22	2,313874E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-948	2,487664E+22	2,558845E+22	2,563873E+22	2,563879E+22	2,558878E+22	2,487727E+22	2,313924E+22	2,084063E+22	1,915306E+22	1,915324E+22	2,084115E+22	2,313984E+22
-947	2,487743E+22	2,558842E+22	2,563828E+22	2,563821E+22	2,558815E+22	2,487693E+22	2,313930E+22	2,084076E+22	1,915309E+22	1,915309E+22	2,084065E+22	2,313899E+22
-946	2,487650E+22	2,558746E+22	2,563749E+22	2,563806E+22	2,558849E+22	2,487740E+22	2,313974E+22	2,084122E+22	1,915345E+22	1,915321E+22	2,084059E+22	2,313901E+22
-945	2,487715E+22	2,558903E+22	2,563891E+22	2,563857E+22	2,558841E+22	2,487708E+22	2,313937E+22	2,084095E+22	1,915343E+22	1,915353E+22	2,084122E+22	2,313960E+22
-944	2,487707E+22	2,558822E+22	2,563802E+22	2,563777E+22	2,558772E+22	2,487664E+22	2,313925E+22	2,084102E+22	1,915348E+22	1,915335E+22	2,084057E+22	2,313863E+22
-943	2,487612E+22	2,558754E+22	2,563801E+22	2,563843E+22	2,558850E+22	2,487714E+22	2,313941E+22	2,084104E+22	1,915349E+22	1,915343E+22	2,084093E+22	2,313942E+22
-942	2,487738E+22	2,558874E+22	2,563856E+22	2,563859E+22	2,558851E+22	2,487686E+22	2,313884E+22	2,084029E+22	1,915285E+22	1,915317E+22	2,084105E+22	2,313947E+22
-941	2,487684E+22	2,558774E+22	2,563735E+22	2,563751E+22	2,558799E+22	2,487698E+22	2,313921E+22	2,084047E+22	1,915256E+22	1,915243E+22	2,084019E+22	2,313887E+22
-940	2,487666E+22	2,558818E+22	2,563832E+22	2,563830E+22	2,558836E+22	2,487712E+22	2,313925E+22	2,084047E+22	1,915254E+22	1,915246E+22	2,084046E+22	2,313961E+22
-939	2,487771E+22	2,558878E+22	2,563841E+22	2,563814E+22	2,558791E+22	2,487661E+22	2,313894E+22	2,084019E+22	1,915225E+22	1,915217E+22	2,083988E+22	2,313852E+22
-938	2,487643E+22	2,558761E+22	2,563742E+22	2,563783E+22	2,558823E+22	2,487703E+22	2,313919E+22	2,084038E+22	1,915234E+22	1,915210E+22	2,083972E+22	2,313829E+22
-937	2,487651E+22	2,558867E+22	2,563877E+22	2,563857E+22	2,558854E+22	2,487704E+22	2,313888E+22	2,083998E+22	1,915216E+22	1,915234E+22	2,084048E+22	2,313933E+22
-936	2,487692E+22	2,558805E+22	2,563791E+22	2,563782E+22	2,558793E+22	2,487678E+22	2,313891E+22	2,084006E+22	1,915217E+22	1,915216E+22	2,083990E+22	2,313849E+22
-935	2,487609E+22	2,558709E+22	2,563726E+22	2,563791E+22	2,558839E+22	2,487724E+22	2,313936E+22	2,084050E+22	1,915249E+22	1,915236E+22	2,084018E+22	2,313908E+22
-934	2,487732E+22	2,558871E+22	2,563827E+22	2,563826E+22	2,558839E+22	2,487692E+22	2,313889E+22	2,084011E+22	1,915235E+22	1,915254E+22	2,084059E+22	2,313937E+22
-933	2,487705E+22	2,558809E+22	2,563753E+22	2,563731E+22	2,558761E+22	2,487671E+22	2,313915E+22	2,084055E+22	1,915265E+22	1,915246E+22	2,084008E+22	2,313861E+22
-932	2,487631E+22	2,558794E+22	2,563831E+22	2,563830E+22	2,558812E+22	2,487678E+22	2,313917E+22	2,084080E+22	1,915318E+22	1,915313E+22	2,084081E+22	2,313953E+22
-931	2,487750E+22	2,558879E+22	2,563872E+22	2,563861E+22	2,558823E+22	2,487663E+22	2,313888E+22	2,084050E+22	1,915312E+22	1,915334E+22	2,084092E+22	2,313910E+22
-930	2,487652E+22	2,558757E+22	2,563743E+22	2,563789E+22	2,558834E+22	2,487716E+22	2,313942E+22	2,084098E+22	1,915344E+22	1,915339E+22	2,084075E+22	2,313885E+22
-929	2,487656E+22	2,558845E+22	2,563868E+22	2,563861E+22	2,558862E+22	2,487725E+22	2,313945E+22	2,084104E+22	1,915358E+22	1,915371E+22	2,084143E+22	2,313999E+22
-928	2,487755E+22	2,558857E+22	2,563838E+22	2,563816E+22	2,558802E+22	2,487682E+22	2,313938E+22	2,084124E+22	1,915385E+22	1,915375E+22	2,084087E+22	2,313888E+22
-927	2,487633E+22	2,558746E+22	2,563758E+22	2,563799E+22	2,558825E+22	2,487716E+22	2,313982E+22	2,084177E+22	1,915430E+22	1,915401E+22	2,084104E+22	2,313908E+22
-926	2,487695E+22	2,558879E+22	2,563894E+22	2,563886E+22	2,558859E+22	2,487694E+22	2,313926E+22	2,084118E+22	1,915400E+22	1,915416E+22	2,084162E+22	2,313972E+22
-925	2,487699E+22	2,558812E+22	2,563805E+22	2,563791E+22	2,558791E+22	2,487678E+22	2,313936E+22	2,084125E+22	1,915388E+22	1,915382E+22	2,084103E+22	2,313896E+22
-924	2,487612E+22	2,558740E+22	2,563792E+22	2,563830E+22	2,558833E+22	2,487703E+22	2,313947E+22	2,084129E+22	1,915390E+22	1,915389E+22	2,084135E+22	2,313977E+22
-923	2,487759E+22	2,558880E+22	2,563857E+22	2,563853E+22	2,558839E+22	2,487688E+22	2,313912E+22	2,084070E+22	1,915328E+22	1,915348E+22	2,084114E+22	2,313946E+22
-922	2,487691E+22	2,558788E+22	2,563739E+22	2,563743E+22	2,558796E+22	2,487704E+22	2,313945E+22	2,084096E+22	1,915320E+22	1,915295E+22	2,084031E+22	2,313862E+22
-921	2,487645E+22	2,558837E+22	2,563863E+22	2,563835E+22	2,558817E+22	2,487689E+22	2,313924E+22	2,084078E+22	1,915309E+22	1,915299E+22	2,084069E+22	2,313954E+22
-920	2,487751E+22	2,558874E+22	2,563865E+22	2,563846E+22	2,558805E+22	2,487646E+22	2,313878E+22	2,084045E+22	1,915294E+22	1,915291E+22	2,084029E+22	2,313849E+22
-919	2,487607E+22	2,558724E+22	2,563725E+22	2,563781E+22	2,558830E+22	2,487706E+22	2,313927E+22	2,084074E+22	1,915302E+22	1,915289E+22	2,084037E+22	2,313867E+22
-918	2,487643E+22	2,558823E+22	2,563848E+22	2,563860E+22	2,558871E+22	2,487715E+22	2,313901E+22	2,084025E+22	1,915260E+22	1,915285E+22	2,084088E+22	2,313965E+22
-917	2,487715E+22	2,558809E+22	2,563780E+22	2,563762E+22	2,558780E+22	2,487682E+22	2,313918E+22	2,084051E+22	1,915266E+22	1,915257E+22	2,084021E+22	2,313874E+22
-916	2,487622E+22	2,558724E+22	2,563733E+22	2,563766E+22	2,558793E+22	2,487685E+22	2,313934E+22	2,084094E+22	1,915320E+22	1,915300E+22	2,084053E+22	2,313921E+22
-915	2,487742E+22	2,558892E+22	2,563862E+22	2,563840E+22	2,558820E+22	2,487668E+22	2,313893E+22	2,084051E+22	1,915305E+22	1,915319E+22	2,084086E+22	2,313926E+22
-914	2,487687E+22	2,558806E+22	2,563771E+22	2,563759E+22	2,558783E+22	2,487673E+22	2,313919E+22	2,084091E+22	1,915339E+22	1,915328E+22	2,084055E+22	2,313856E+22
-913	2,487604E+22	2,558788E+22	2,563845E+22	2,563847E+22	2,558827E+22	2,487685E+22	2,313920E+22	2,084101E+22	1,915367E+22	1,915374E+22	2,084129E+22	2,313979E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-912	2,487750E+22	2,558870E+22	2,563875E+22	2,563875E+22	2,558842E+22	2,487676E+22	2,313903E+22	2,084091E+22	1,915378E+22	1,915397E+22	2,084128E+22	2,313921E+22
-911	2,487646E+22	2,558742E+22	2,563727E+22	2,563770E+22	2,558826E+22	2,487725E+22	2,313980E+22	2,084167E+22	1,915426E+22	1,915409E+22	2,084117E+22	2,313904E+22
-910	2,487656E+22	2,558830E+22	2,563863E+22	2,563862E+22	2,558858E+22	2,487723E+22	2,313964E+22	2,084156E+22	1,915433E+22	1,915434E+22	2,084167E+22	2,313995E+22
-909	2,487749E+22	2,558868E+22	2,563856E+22	2,563820E+22	2,558789E+22	2,487673E+22	2,313956E+22	2,084176E+22	1,915458E+22	1,915444E+22	2,084133E+22	2,313897E+22
-908	2,487613E+22	2,558733E+22	2,563765E+22	2,563800E+22	2,558803E+22	2,487679E+22	2,313965E+22	2,084207E+22	1,915501E+22	1,915484E+22	2,084169E+22	2,313939E+22
-907	2,487695E+22	2,558864E+22	2,563891E+22	2,563886E+22	2,558857E+22	2,487694E+22	2,313930E+22	2,084137E+22	1,915446E+22	1,915472E+22	2,084205E+22	2,313995E+22
-906	2,487706E+22	2,558803E+22	2,563792E+22	2,563785E+22	2,558798E+22	2,487691E+22	2,313954E+22	2,084154E+22	1,915432E+22	1,915430E+22	2,084135E+22	2,313907E+22
-905	2,487625E+22	2,558762E+22	2,563802E+22	2,563818E+22	2,558811E+22	2,487687E+22	2,313949E+22	2,084151E+22	1,915422E+22	1,915415E+22	2,084147E+22	2,313983E+22
-904	2,487773E+22	2,558905E+22	2,563886E+22	2,563865E+22	2,558832E+22	2,487672E+22	2,313907E+22	2,084103E+22	1,915389E+22	1,915395E+22	2,084119E+22	2,313920E+22
-903	2,487666E+22	2,558788E+22	2,563763E+22	2,563757E+22	2,558793E+22	2,487696E+22	2,313955E+22	2,084141E+22	1,915391E+22	1,915364E+22	2,084068E+22	2,313858E+22
-902	2,487612E+22	2,558796E+22	2,563862E+22	2,563869E+22	2,558847E+22	2,487695E+22	2,313923E+22	2,084100E+22	1,915360E+22	1,915358E+22	2,084103E+22	2,313952E+22
-901	2,487729E+22	2,558850E+22	2,563858E+22	2,563854E+22	2,558827E+22	2,487675E+22	2,313905E+22	2,084078E+22	1,915338E+22	1,915343E+22	2,084080E+22	2,313880E+22
-900	2,487601E+22	2,558698E+22	2,563703E+22	2,563756E+22	2,558806E+22	2,487694E+22	2,313939E+22	2,084113E+22	1,915359E+22	1,915348E+22	2,084087E+22	2,313906E+22
-899	2,487668E+22	2,558820E+22	2,563830E+22	2,563829E+22	2,558844E+22	2,487712E+22	2,313927E+22	2,084072E+22	1,915320E+22	1,915334E+22	2,084112E+22	2,313973E+22
-898	2,487730E+22	2,558824E+22	2,563786E+22	2,563749E+22	2,558762E+22	2,487674E+22	2,313934E+22	2,084101E+22	1,915342E+22	1,915329E+22	2,084054E+22	2,313865E+22
-897	2,487617E+22	2,558749E+22	2,563770E+22	2,563775E+22	2,558765E+22	2,487647E+22	2,313917E+22	2,084118E+22	1,915380E+22	1,915367E+22	2,084094E+22	2,313929E+22
-896	2,487734E+22	2,558896E+22	2,563894E+22	2,563878E+22	2,558837E+22	2,487651E+22	2,313871E+22	2,084074E+22	1,915376E+22	1,915397E+22	2,084132E+22	2,313931E+22
-895	2,487664E+22	2,558783E+22	2,563770E+22	2,563769E+22	2,558801E+22	2,487689E+22	2,313934E+22	2,084127E+22	1,915404E+22	1,915403E+22	2,084114E+22	2,313887E+22
-894	2,487601E+22	2,558753E+22	2,563827E+22	2,563858E+22	2,558848E+22	2,487707E+22	2,313947E+22	2,084140E+22	1,915418E+22	1,915421E+22	2,084154E+22	2,313989E+22
-893	2,487762E+22	2,558878E+22	2,563876E+22	2,563868E+22	2,558839E+22	2,487693E+22	2,313945E+22	2,084152E+22	1,915440E+22	1,915445E+22	2,084157E+22	2,313930E+22
-892	2,487643E+22	2,558745E+22	2,563737E+22	2,563753E+22	2,558784E+22	2,487694E+22	2,313991E+22	2,084228E+22	1,915514E+22	1,915487E+22	2,084158E+22	2,313912E+22
-891	2,487651E+22	2,558828E+22	2,563878E+22	2,563867E+22	2,558841E+22	2,487708E+22	2,313976E+22	2,084204E+22	1,915512E+22	1,915512E+22	2,084207E+22	2,313989E+22
-890	2,487729E+22	2,558854E+22	2,563861E+22	2,563835E+22	2,558801E+22	2,487674E+22	2,313960E+22	2,084211E+22	1,915531E+22	1,915529E+22	2,084190E+22	2,313905E+22
-889	2,487600E+22	2,558729E+22	2,563769E+22	2,563802E+22	2,558798E+22	2,487671E+22	2,313958E+22	2,084218E+22	1,915540E+22	1,915538E+22	2,084219E+22	2,313975E+22
-888	2,487713E+22	2,558867E+22	2,563896E+22	2,563895E+22	2,558862E+22	2,487689E+22	2,313928E+22	2,084164E+22	1,915497E+22	1,915519E+22	2,084231E+22	2,314007E+22
-887	2,487714E+22	2,558804E+22	2,563788E+22	2,563775E+22	2,558790E+22	2,487694E+22	2,313975E+22	2,084199E+22	1,915490E+22	1,915479E+22	2,084161E+22	2,313916E+22
-886	2,487627E+22	2,558757E+22	2,563814E+22	2,563835E+22	2,558814E+22	2,487686E+22	2,313961E+22	2,084185E+22	1,915471E+22	1,915455E+22	2,084154E+22	2,313963E+22
-885	2,487760E+22	2,558914E+22	2,563913E+22	2,563886E+22	2,558835E+22	2,487671E+22	2,313922E+22	2,084140E+22	1,915438E+22	1,915445E+22	2,084153E+22	2,313916E+22
-884	2,487629E+22	2,558756E+22	2,563760E+22	2,563762E+22	2,558784E+22	2,487678E+22	2,313949E+22	2,084169E+22	1,915453E+22	1,915436E+22	2,084125E+22	2,313884E+22
-883	2,487603E+22	2,558761E+22	2,563835E+22	2,563855E+22	2,558849E+22	2,487714E+22	2,313944E+22	2,084125E+22	1,915406E+22	1,915412E+22	2,084144E+22	2,313970E+22
-882	2,487731E+22	2,558831E+22	2,563830E+22	2,563828E+22	2,558817E+22	2,487686E+22	2,313932E+22	2,084119E+22	1,915392E+22	1,915398E+22	2,084115E+22	2,313893E+22
-881	2,487621E+22	2,558719E+22	2,563703E+22	2,563728E+22	2,558763E+22	2,487665E+22	2,313937E+22	2,084141E+22	1,915405E+22	1,915391E+22	2,084112E+22	2,313921E+22
-880	2,487692E+22	2,558854E+22	2,563862E+22	2,563837E+22	2,558818E+22	2,487672E+22	2,313909E+22	2,084107E+22	1,915393E+22	1,915396E+22	2,084131E+22	2,313959E+22
-879	2,487715E+22	2,558831E+22	2,563815E+22	2,563773E+22	2,558760E+22	2,487656E+22	2,313931E+22	2,084139E+22	1,915415E+22	1,915406E+22	2,084103E+22	2,313871E+22
-878	2,487595E+22	2,558724E+22	2,563787E+22	2,563824E+22	2,558800E+22	2,487656E+22	2,313918E+22	2,084138E+22	1,915429E+22	1,915426E+22	2,084132E+22	2,313931E+22
-877	2,487719E+22	2,558885E+22	2,563903E+22	2,563901E+22	2,558866E+22	2,487687E+22	2,313908E+22	2,084114E+22	1,915423E+22	1,915451E+22	2,084181E+22	2,313953E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-876	2,487654E+22	2,558761E+22	2,563760E+22	2,563762E+22	2,558791E+22	2,487694E+22	2,313966E+22	2,084187E+22	1,915480E+22	1,915473E+22	2,084161E+22	2,313914E+22
-875	2,487617E+22	2,558746E+22	2,563809E+22	2,563835E+22	2,558836E+22	2,487723E+22	2,313989E+22	2,084206E+22	1,915500E+22	1,915489E+22	2,084182E+22	2,313981E+22
-874	2,487755E+22	2,558882E+22	2,563882E+22	2,563860E+22	2,558822E+22	2,487690E+22	2,313973E+22	2,084221E+22	1,915538E+22	1,915536E+22	2,084200E+22	2,313922E+22
-873	2,487630E+22	2,558755E+22	2,563759E+22	2,563759E+22	2,558754E+22	2,487651E+22	2,313975E+22	2,084261E+22	1,915588E+22	1,915571E+22	2,084219E+22	2,313934E+22
-872	2,487647E+22	2,558820E+22	2,563889E+22	2,563889E+22	2,558844E+22	2,487681E+22	2,313950E+22	2,084227E+22	1,915585E+22	1,915594E+22	2,084267E+22	2,314011E+22
-871	2,487721E+22	2,558835E+22	2,563852E+22	2,563837E+22	2,558807E+22	2,487680E+22	2,313968E+22	2,084235E+22	1,915581E+22	1,915595E+22	2,084253E+22	2,313949E+22
-870	2,487615E+22	2,558714E+22	2,563761E+22	2,563809E+22	2,558803E+22	2,487676E+22	2,313969E+22	2,084235E+22	1,915565E+22	1,915563E+22	2,084234E+22	2,313984E+22
-869	2,487733E+22	2,558893E+22	2,563911E+22	2,563895E+22	2,558857E+22	2,487699E+22	2,313956E+22	2,084202E+22	1,915531E+22	1,915544E+22	2,084244E+22	2,314003E+22
-868	2,487705E+22	2,558814E+22	2,563811E+22	2,563780E+22	2,558764E+22	2,487669E+22	2,313979E+22	2,084241E+22	1,915553E+22	1,915531E+22	2,084181E+22	2,313908E+22
-867	2,487612E+22	2,558746E+22	2,563818E+22	2,563845E+22	2,558818E+22	2,487691E+22	2,313976E+22	2,084221E+22	1,915530E+22	1,915511E+22	2,084176E+22	2,313940E+22
-866	2,487721E+22	2,558886E+22	2,563906E+22	2,563900E+22	2,558856E+22	2,487690E+22	2,313942E+22	2,084178E+22	1,915499E+22	1,915513E+22	2,084196E+22	2,313918E+22
-865	2,487613E+22	2,558739E+22	2,563746E+22	2,563751E+22	2,558767E+22	2,487669E+22	2,313954E+22	2,084191E+22	1,915493E+22	1,915487E+22	2,084173E+22	2,313918E+22
-864	2,487619E+22	2,558756E+22	2,563820E+22	2,563843E+22	2,558832E+22	2,487697E+22	2,313948E+22	2,084166E+22	1,915468E+22	1,915465E+22	2,084176E+22	2,313983E+22
-863	2,487740E+22	2,558837E+22	2,563821E+22	2,563806E+22	2,558791E+22	2,487675E+22	2,313947E+22	2,084165E+22	1,915459E+22	1,915461E+22	2,084155E+22	2,313909E+22
-862	2,487626E+22	2,558725E+22	2,563724E+22	2,563746E+22	2,558750E+22	2,487643E+22	2,313934E+22	2,084168E+22	1,915458E+22	1,915442E+22	2,084133E+22	2,313911E+22
-861	2,487686E+22	2,558872E+22	2,563901E+22	2,563873E+22	2,558825E+22	2,487663E+22	2,313910E+22	2,084136E+22	1,915444E+22	1,915457E+22	2,084181E+22	2,313967E+22
-860	2,487688E+22	2,558810E+22	2,563825E+22	2,563798E+22	2,558767E+22	2,487646E+22	2,313926E+22	2,084166E+22	1,915479E+22	1,915481E+22	2,084163E+22	2,313901E+22
-859	2,487593E+22	2,558700E+22	2,563768E+22	2,563822E+22	2,558818E+22	2,487691E+22	2,313953E+22	2,084177E+22	1,915484E+22	1,915483E+22	2,084170E+22	2,313940E+22
-858	2,487714E+22	2,558873E+22	2,563888E+22	2,563891E+22	2,558867E+22	2,487712E+22	2,313955E+22	2,084178E+22	1,915496E+22	1,915514E+22	2,084213E+22	2,313956E+22
-857	2,487660E+22	2,558774E+22	2,563761E+22	2,563745E+22	2,558755E+22	2,487672E+22	2,313981E+22	2,084241E+22	1,915555E+22	1,915539E+22	2,084198E+22	2,313925E+22
-856	2,487625E+22	2,558764E+22	2,563828E+22	2,563841E+22	2,558813E+22	2,487687E+22	2,313985E+22	2,084262E+22	1,915597E+22	1,915575E+22	2,084223E+22	2,313974E+22
-855	2,487731E+22	2,558871E+22	2,563888E+22	2,563870E+22	2,558816E+22	2,487673E+22	2,313973E+22	2,084263E+22	1,915621E+22	1,915630E+22	2,084270E+22	2,313945E+22
-854	2,487613E+22	2,558729E+22	2,563764E+22	2,563791E+22	2,558772E+22	2,487650E+22	2,313969E+22	2,084275E+22	1,915634E+22	1,915631E+22	2,084268E+22	2,313958E+22
-853	2,487653E+22	2,558824E+22	2,563897E+22	2,563902E+22	2,558853E+22	2,487693E+22	2,313969E+22	2,084251E+22	1,915615E+22	1,915637E+22	2,084315E+22	2,314042E+22
-852	2,487725E+22	2,558827E+22	2,563844E+22	2,563830E+22	2,558791E+22	2,487671E+22	2,313983E+22	2,084275E+22	1,915634E+22	1,915641E+22	2,084284E+22	2,313972E+22
-851	2,487637E+22	2,558727E+22	2,563757E+22	2,563795E+22	2,558798E+22	2,487694E+22	2,314001E+22	2,084281E+22	1,915620E+22	1,915603E+22	2,084239E+22	2,313960E+22
-850	2,487716E+22	2,558904E+22	2,563930E+22	2,563900E+22	2,558848E+22	2,487700E+22	2,313984E+22	2,084258E+22	1,915603E+22	1,915605E+22	2,084260E+22	2,313977E+22
-849	2,487679E+22	2,558812E+22	2,563827E+22	2,563795E+22	2,558750E+22	2,487640E+22	2,313969E+22	2,084269E+22	1,915612E+22	1,915596E+22	2,084224E+22	2,313916E+22
-848	2,487596E+22	2,558727E+22	2,563809E+22	2,563858E+22	2,558824E+22	2,487675E+22	2,313963E+22	2,084249E+22	1,915595E+22	1,915578E+22	2,084222E+22	2,313952E+22
-847	2,487699E+22	2,558852E+22	2,563875E+22	2,563885E+22	2,558853E+22	2,487697E+22	2,313959E+22	2,084209E+22	1,915550E+22	1,915573E+22	2,084252E+22	2,313957E+22
-846	2,487621E+22	2,558723E+22	2,563733E+22	2,563746E+22	2,558754E+22	2,487659E+22	2,313962E+22	2,084215E+22	1,915526E+22	1,915518E+22	2,084193E+22	2,313932E+22
-845	2,487641E+22	2,558788E+22	2,563839E+22	2,563839E+22	2,558808E+22	2,487681E+22	2,313959E+22	2,084200E+22	1,915509E+22	1,915505E+22	2,084204E+22	2,313987E+22
-844	2,487732E+22	2,558850E+22	2,563847E+22	2,563817E+22	2,558766E+22	2,487640E+22	2,313939E+22	2,084201E+22	1,915526E+22	1,915526E+22	2,084192E+22	2,313916E+22
-843	2,487620E+22	2,558727E+22	2,563737E+22	2,563767E+22	2,558770E+22	2,487655E+22	2,313941E+22	2,084195E+22	1,915514E+22	1,915503E+22	2,084165E+22	2,313899E+22
-842	2,487654E+22	2,558857E+22	2,563907E+22	2,563899E+22	2,558858E+22	2,487693E+22	2,313939E+22	2,084177E+22	1,915506E+22	1,915523E+22	2,084221E+22	2,313975E+22
-841	2,487679E+22	2,558799E+22	2,563819E+22	2,563804E+22	2,558769E+22	2,487650E+22	2,313946E+22	2,084205E+22	1,915533E+22	1,915538E+22	2,084209E+22	2,313932E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-840	2,487607E+22	2,558696E+22	2,563751E+22	2,563815E+22	2,558812E+22	2,487685E+22	2,313977E+22	2,084244E+22	1,915569E+22	1,915550E+22	2,084204E+22	2,313945E+22
-839	2,487705E+22	2,558870E+22	2,563879E+22	2,563874E+22	2,558849E+22	2,487711E+22	2,313987E+22	2,084248E+22	1,915588E+22	1,915599E+22	2,084265E+22	2,313971E+22
-838	2,487652E+22	2,558772E+22	2,563779E+22	2,563758E+22	2,558732E+22	2,487642E+22	2,313982E+22	2,084283E+22	1,915629E+22	1,915613E+22	2,084240E+22	2,313927E+22
-837	2,487614E+22	2,558771E+22	2,563850E+22	2,563862E+22	2,558809E+22	2,487667E+22	2,313981E+22	2,084292E+22	1,915659E+22	1,915655E+22	2,084293E+22	2,313998E+22
-836	2,487711E+22	2,558851E+22	2,563886E+22	2,563879E+22	2,558814E+22	2,487656E+22	2,313962E+22	2,084286E+22	1,915682E+22	1,915706E+22	2,084336E+22	2,313992E+22
-835	2,487631E+22	2,558722E+22	2,563743E+22	2,563777E+22	2,558781E+22	2,487674E+22	2,313989E+22	2,084299E+22	1,915673E+22	1,915673E+22	2,084296E+22	2,313971E+22
-834	2,487662E+22	2,558834E+22	2,563898E+22	2,563898E+22	2,558851E+22	2,487706E+22	2,314003E+22	2,084302E+22	1,915670E+22	1,915676E+22	2,084324E+22	2,314040E+22
-833	2,487737E+22	2,558853E+22	2,563863E+22	2,563830E+22	2,558765E+22	2,487645E+22	2,313987E+22	2,084314E+22	1,915689E+22	1,915685E+22	2,084297E+22	2,313965E+22
-832	2,487633E+22	2,558742E+22	2,563783E+22	2,563817E+22	2,558790E+22	2,487664E+22	2,313999E+22	2,084331E+22	1,915699E+22	1,915666E+22	2,084260E+22	2,313934E+22
-831	2,487667E+22	2,558878E+22	2,563933E+22	2,563920E+22	2,558862E+22	2,487702E+22	2,313993E+22	2,084296E+22	1,915672E+22	1,915681E+22	2,084314E+22	2,313985E+22
-830	2,487641E+22	2,558772E+22	2,563821E+22	2,563814E+22	2,558766E+22	2,487646E+22	2,313974E+22	2,084287E+22	1,915652E+22	1,915646E+22	2,084265E+22	2,313935E+22
-829	2,487593E+22	2,558717E+22	2,563798E+22	2,563852E+22	2,558825E+22	2,487685E+22	2,313984E+22	2,084276E+22	1,915628E+22	1,915625E+22	2,084273E+22	2,313985E+22
-828	2,487702E+22	2,558838E+22	2,563851E+22	2,563861E+22	2,558828E+22	2,487680E+22	2,313968E+22	2,084250E+22	1,915607E+22	1,915625E+22	2,084290E+22	2,313990E+22
-827	2,487649E+22	2,558742E+22	2,563726E+22	2,563723E+22	2,558740E+22	2,487662E+22	2,313977E+22	2,084252E+22	1,915580E+22	1,915563E+22	2,084209E+22	2,313924E+22
-826	2,487634E+22	2,558808E+22	2,563870E+22	2,563854E+22	2,558798E+22	2,487666E+22	2,313969E+22	2,084243E+22	1,915575E+22	1,915566E+22	2,084229E+22	2,313980E+22
-825	2,487719E+22	2,558852E+22	2,563869E+22	2,563844E+22	2,558765E+22	2,487612E+22	2,313922E+22	2,084220E+22	1,915580E+22	1,915590E+22	2,084241E+22	2,313937E+22
-824	2,487615E+22	2,558720E+22	2,563739E+22	2,563789E+22	2,558789E+22	2,487652E+22	2,313942E+22	2,084230E+22	1,915578E+22	1,915567E+22	2,084209E+22	2,313912E+22
-823	2,487634E+22	2,558829E+22	2,563883E+22	2,563889E+22	2,558864E+22	2,487714E+22	2,313974E+22	2,084226E+22	1,915568E+22	1,915585E+22	2,084267E+22	2,313999E+22
-822	2,487678E+22	2,558788E+22	2,563813E+22	2,563801E+22	2,558760E+22	2,487649E+22	2,313969E+22	2,084253E+22	1,915591E+22	1,915584E+22	2,084230E+22	2,313937E+22
-821	2,487617E+22	2,558724E+22	2,563769E+22	2,563809E+22	2,558789E+22	2,487669E+22	2,313994E+22	2,084294E+22	1,915638E+22	1,915617E+22	2,084245E+22	2,313947E+22
-820	2,487683E+22	2,558861E+22	2,563888E+22	2,563878E+22	2,558823E+22	2,487673E+22	2,313982E+22	2,084297E+22	1,915676E+22	1,915687E+22	2,084320E+22	2,313989E+22
-819	2,487645E+22	2,558765E+22	2,563780E+22	2,563767E+22	2,558748E+22	2,487648E+22	2,313984E+22	2,084314E+22	1,915696E+22	1,915689E+22	2,084290E+22	2,313935E+22
-818	2,487595E+22	2,558763E+22	2,563859E+22	2,563877E+22	2,558822E+22	2,487678E+22	2,313999E+22	2,084331E+22	1,915721E+22	1,915722E+22	2,084338E+22	2,314022E+22
-817	2,487718E+22	2,558850E+22	2,563885E+22	2,563881E+22	2,558806E+22	2,487647E+22	2,313970E+22	2,084317E+22	1,915732E+22	1,915758E+22	2,084377E+22	2,314023E+22
-816	2,487656E+22	2,558740E+22	2,563748E+22	2,563778E+22	2,558776E+22	2,487663E+22	2,314004E+22	2,084355E+22	1,915745E+22	1,915725E+22	2,084313E+22	2,313964E+22
-815	2,487650E+22	2,558837E+22	2,563905E+22	2,563895E+22	2,558844E+22	2,487708E+22	2,314030E+22	2,084360E+22	1,915747E+22	1,915741E+22	2,084353E+22	2,314033E+22
-814	2,487712E+22	2,558846E+22	2,563891E+22	2,563859E+22	2,558765E+22	2,487628E+22	2,313989E+22	2,084350E+22	1,915750E+22	1,915743E+22	2,084325E+22	2,313956E+22
-813	2,487607E+22	2,558734E+22	2,563796E+22	2,563839E+22	2,558803E+22	2,487660E+22	2,313999E+22	2,084355E+22	1,915751E+22	1,915738E+22	2,084321E+22	2,313951E+22
-812	2,487633E+22	2,558831E+22	2,563907E+22	2,563913E+22	2,558863E+22	2,487701E+22	2,313996E+22	2,084322E+22	1,915727E+22	1,915748E+22	2,084375E+22	2,314032E+22
-811	2,487657E+22	2,558755E+22	2,563783E+22	2,563781E+22	2,558766E+22	2,487668E+22	2,313996E+22	2,084314E+22	1,915690E+22	1,915685E+22	2,084294E+22	2,313953E+22
-810	2,487606E+22	2,558729E+22	2,563795E+22	2,563830E+22	2,558804E+22	2,487680E+22	2,314008E+22	2,084323E+22	1,915682E+22	1,915663E+22	2,084284E+22	2,313994E+22
-809	2,487726E+22	2,558867E+22	2,563871E+22	2,563853E+22	2,558791E+22	2,487639E+22	2,313956E+22	2,084279E+22	1,915661E+22	1,915671E+22	2,084310E+22	2,313995E+22
-808	2,487659E+22	2,558766E+22	2,563757E+22	2,563746E+22	2,558733E+22	2,487626E+22	2,313964E+22	2,084288E+22	1,915647E+22	1,915621E+22	2,084231E+22	2,313908E+22
-807	2,487600E+22	2,558793E+22	2,563883E+22	2,563882E+22	2,558824E+22	2,487675E+22	2,313976E+22	2,084274E+22	1,915634E+22	1,915632E+22	2,084275E+22	2,313990E+22
-806	2,487691E+22	2,558827E+22	2,563879E+22	2,563871E+22	2,558788E+22	2,487624E+22	2,313932E+22	2,084241E+22	1,915617E+22	1,915632E+22	2,084271E+22	2,313949E+22
-805	2,487611E+22	2,558713E+22	2,563737E+22	2,563790E+22	2,558796E+22	2,487668E+22	2,313974E+22	2,084271E+22	1,915628E+22	1,915623E+22	2,084254E+22	2,313930E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-804	2,487621E+22	2,558806E+22	2,563863E+22	2,563869E+22	2,558848E+22	2,487710E+22	2,313999E+22	2,084288E+22	1,915650E+22	1,915656E+22	2,084307E+22	2,314018E+22
-803	2,487689E+22	2,558794E+22	2,563803E+22	2,563774E+22	2,558746E+22	2,487654E+22	2,313992E+22	2,084309E+22	1,915674E+22	1,915658E+22	2,084261E+22	2,313928E+22
-802	2,487599E+22	2,558730E+22	2,563793E+22	2,563818E+22	2,558774E+22	2,487649E+22	2,314003E+22	2,084351E+22	1,915728E+22	1,915702E+22	2,084291E+22	2,313959E+22
-801	2,487676E+22	2,558852E+22	2,563897E+22	2,563891E+22	2,558814E+22	2,487637E+22	2,313958E+22	2,084319E+22	1,915745E+22	1,915770E+22	2,084386E+22	2,314028E+22
-800	2,487655E+22	2,558761E+22	2,563782E+22	2,563778E+22	2,558752E+22	2,487634E+22	2,313980E+22	2,084346E+22	1,915758E+22	1,915756E+22	2,084339E+22	2,313960E+22
-799	2,487595E+22	2,558752E+22	2,563851E+22	2,563874E+22	2,558827E+22	2,487691E+22	2,314023E+22	2,084371E+22	1,915776E+22	1,915778E+22	2,084380E+22	2,314045E+22
-798	2,487724E+22	2,558857E+22	2,563903E+22	2,563888E+22	2,558801E+22	2,487643E+22	2,313985E+22	2,084355E+22	1,915781E+22	1,915794E+22	2,084387E+22	2,314018E+22
-797	2,487660E+22	2,558769E+22	2,563783E+22	2,563792E+22	2,558772E+22	2,487658E+22	2,314020E+22	2,084396E+22	1,915806E+22	1,915787E+22	2,084345E+22	2,313951E+22
-796	2,487614E+22	2,558814E+22	2,563914E+22	2,563911E+22	2,558843E+22	2,487695E+22	2,314035E+22	2,084406E+22	1,915826E+22	1,915819E+22	2,084396E+22	2,314037E+22
-795	2,487693E+22	2,558822E+22	2,563874E+22	2,563863E+22	2,558793E+22	2,487655E+22	2,314003E+22	2,084381E+22	1,915809E+22	1,915807E+22	2,084367E+22	2,313961E+22
-794	2,487585E+22	2,558712E+22	2,563788E+22	2,563835E+22	2,558808E+22	2,487676E+22	2,314026E+22	2,084397E+22	1,915807E+22	1,915792E+22	2,084360E+22	2,313982E+22
-793	2,487647E+22	2,558813E+22	2,563883E+22	2,563889E+22	2,558838E+22	2,487683E+22	2,314002E+22	2,084353E+22	1,915773E+22	1,915795E+22	2,084413E+22	2,314069E+22
-792	2,487694E+22	2,558776E+22	2,563784E+22	2,563764E+22	2,558738E+22	2,487642E+22	2,314003E+22	2,084361E+22	1,915752E+22	1,915733E+22	2,084313E+22	2,313953E+22
-791	2,487608E+22	2,558744E+22	2,563812E+22	2,563823E+22	2,558780E+22	2,487661E+22	2,314012E+22	2,084360E+22	1,915743E+22	1,915722E+22	2,084313E+22	2,313990E+22
-790	2,487706E+22	2,558871E+22	2,563913E+22	2,563885E+22	2,558788E+22	2,487611E+22	2,313939E+22	2,084296E+22	1,915706E+22	1,915720E+22	2,084334E+22	2,313988E+22
-789	2,487644E+22	2,558769E+22	2,563787E+22	2,563780E+22	2,558757E+22	2,487626E+22	2,313954E+22	2,084296E+22	1,915687E+22	1,915683E+22	2,084281E+22	2,313918E+22
-788	2,487569E+22	2,558749E+22	2,563861E+22	2,563882E+22	2,558837E+22	2,487688E+22	2,313989E+22	2,084303E+22	1,915687E+22	1,915691E+22	2,084319E+22	2,314018E+22
-787	2,487700E+22	2,558810E+22	2,563847E+22	2,563849E+22	2,558802E+22	2,487659E+22	2,313968E+22	2,084285E+22	1,915668E+22	1,915677E+22	2,084293E+22	2,313952E+22
-786	2,487611E+22	2,558719E+22	2,563742E+22	2,563773E+22	2,558776E+22	2,487667E+22	2,314008E+22	2,084338E+22	1,915706E+22	1,915681E+22	2,084274E+22	2,313934E+22
-785	2,487627E+22	2,558808E+22	2,563872E+22	2,563858E+22	2,558811E+22	2,487672E+22	2,313995E+22	2,084335E+22	1,915732E+22	1,915735E+22	2,084349E+22	2,314028E+22
-784	2,487690E+22	2,558803E+22	2,563825E+22	2,563790E+22	2,558733E+22	2,487618E+22	2,313983E+22	2,084357E+22	1,915760E+22	1,915746E+22	2,084312E+22	2,313929E+22
-783	2,487572E+22	2,558710E+22	2,563799E+22	2,563834E+22	2,558788E+22	2,487651E+22	2,314005E+22	2,084383E+22	1,915798E+22	1,915788E+22	2,084358E+22	2,313987E+22
-782	2,487665E+22	2,558836E+22	2,563911E+22	2,563910E+22	2,558824E+22	2,487641E+22	2,313964E+22	2,084341E+22	1,915789E+22	1,915822E+22	2,084428E+22	2,314057E+22
-781	2,487673E+22	2,558772E+22	2,563795E+22	2,563789E+22	2,558762E+22	2,487645E+22	2,314001E+22	2,084379E+22	1,915808E+22	1,915813E+22	2,084381E+22	2,313976E+22
-780	2,487595E+22	2,558745E+22	2,563846E+22	2,563866E+22	2,558820E+22	2,487694E+22	2,314049E+22	2,084428E+22	1,915852E+22	1,915842E+22	2,084409E+22	2,314053E+22
-779	2,487732E+22	2,558869E+22	2,563907E+22	2,563883E+22	2,558804E+22	2,487658E+22	2,314012E+22	2,084409E+22	1,915854E+22	1,915858E+22	2,084409E+22	2,313997E+22
-778	2,487630E+22	2,558765E+22	2,563811E+22	2,563812E+22	2,558772E+22	2,487654E+22	2,314040E+22	2,084453E+22	1,915889E+22	1,915863E+22	2,084384E+22	2,313958E+22
-777	2,487597E+22	2,558781E+22	2,563903E+22	2,563914E+22	2,558841E+22	2,487679E+22	2,314025E+22	2,084431E+22	1,915890E+22	1,915896E+22	2,084457E+22	2,314070E+22
-776	2,487700E+22	2,558805E+22	2,563855E+22	2,563848E+22	2,558780E+22	2,487644E+22	2,314011E+22	2,084417E+22	1,915863E+22	1,915866E+22	2,084411E+22	2,313983E+22
-775	2,487590E+22	2,558701E+22	2,563769E+22	2,563811E+22	2,558790E+22	2,487674E+22	2,314044E+22	2,084433E+22	1,915856E+22	1,915840E+22	2,084396E+22	2,314004E+22
-774	2,487662E+22	2,558832E+22	2,563904E+22	2,563881E+22	2,558806E+22	2,487652E+22	2,313995E+22	2,084376E+22	1,915810E+22	1,915823E+22	2,084419E+22	2,314064E+22
-773	2,487704E+22	2,558809E+22	2,563827E+22	2,563783E+22	2,558725E+22	2,487616E+22	2,313990E+22	2,084375E+22	1,915795E+22	1,915786E+22	2,084340E+22	2,313938E+22
-772	2,487578E+22	2,558728E+22	2,563830E+22	2,563851E+22	2,558790E+22	2,487650E+22	2,314005E+22	2,084382E+22	1,915798E+22	1,915783E+22	2,084349E+22	2,313991E+22
-771	2,487690E+22	2,558853E+22	2,563904E+22	2,563899E+22	2,558828E+22	2,487646E+22	2,313952E+22	2,084315E+22	1,915747E+22	1,915768E+22	2,084363E+22	2,313984E+22
-770	2,487619E+22	2,558748E+22	2,563789E+22	2,563789E+22	2,558775E+22	2,487657E+22	2,313994E+22	2,084344E+22	1,915742E+22	1,915730E+22	2,084311E+22	2,313939E+22
-769	2,487576E+22	2,558720E+22	2,563834E+22	2,563864E+22	2,558823E+22	2,487685E+22	2,314009E+22	2,084351E+22	1,915751E+22	1,915749E+22	2,084354E+22	2,314037E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-768	2,487718E+22	2,558818E+22	2,563841E+22	2,563828E+22	2,558772E+22	2,487642E+22	2,313992E+22	2,084352E+22	1,915752E+22	1,915746E+22	2,084324E+22	2,313949E+22
-767	2,487600E+22	2,558719E+22	2,563753E+22	2,563766E+22	2,558749E+22	2,487648E+22	2,314020E+22	2,084393E+22	1,915793E+22	1,915769E+22	2,084327E+22	2,313941E+22
-766	2,487609E+22	2,558804E+22	2,563900E+22	2,563877E+22	2,558796E+22	2,487636E+22	2,313977E+22	2,084360E+22	1,915797E+22	1,915810E+22	2,084403E+22	2,314044E+22
-765	2,487688E+22	2,558804E+22	2,563845E+22	2,563815E+22	2,558747E+22	2,487612E+22	2,313969E+22	2,084363E+22	1,915813E+22	1,915829E+22	2,084384E+22	2,313961E+22
-764	2,487566E+22	2,558685E+22	2,563785E+22	2,563833E+22	2,558794E+22	2,487660E+22	2,314017E+22	2,084411E+22	1,915852E+22	1,915852E+22	2,084410E+22	2,314025E+22
-763	2,487692E+22	2,558842E+22	2,563895E+22	2,563897E+22	2,558838E+22	2,487668E+22	2,313996E+22	2,084386E+22	1,915841E+22	1,915865E+22	2,084445E+22	2,314055E+22
-762	2,487680E+22	2,558796E+22	2,563825E+22	2,563796E+22	2,558753E+22	2,487649E+22	2,314037E+22	2,084447E+22	1,915885E+22	1,915864E+22	2,084392E+22	2,313972E+22
-761	2,487594E+22	2,558742E+22	2,563859E+22	2,563873E+22	2,558802E+22	2,487669E+22	2,314054E+22	2,084480E+22	1,915935E+22	1,915917E+22	2,084443E+22	2,314045E+22
-760	2,487717E+22	2,558866E+22	2,563925E+22	2,563904E+22	2,558803E+22	2,487643E+22	2,314023E+22	2,084463E+22	1,915936E+22	1,915939E+22	2,084455E+22	2,313992E+22
-759	2,487594E+22	2,558733E+22	2,563805E+22	2,563818E+22	2,558777E+22	2,487661E+22	2,314054E+22	2,084490E+22	1,915955E+22	1,915941E+22	2,084446E+22	2,313980E+22
-758	2,487578E+22	2,558755E+22	2,563895E+22	2,563909E+22	2,558829E+22	2,487673E+22	2,314032E+22	2,084455E+22	1,915930E+22	1,915943E+22	2,084496E+22	2,314096E+22
-757	2,487719E+22	2,558814E+22	2,563856E+22	2,563844E+22	2,558771E+22	2,487636E+22	2,314013E+22	2,084437E+22	1,915907E+22	1,915921E+22	2,084451E+22	2,313999E+22
-756	2,487596E+22	2,558699E+22	2,563762E+22	2,563795E+22	2,558767E+22	2,487658E+22	2,314048E+22	2,084467E+22	1,915912E+22	1,915893E+22	2,084423E+22	2,314011E+22
-755	2,487674E+22	2,558850E+22	2,563913E+22	2,563885E+22	2,558807E+22	2,487650E+22	2,313999E+22	2,084403E+22	1,915859E+22	1,915870E+22	2,084437E+22	2,314047E+22
-754	2,487680E+22	2,558812E+22	2,563864E+22	2,563821E+22	2,558736E+22	2,487610E+22	2,313994E+22	2,084407E+22	1,915849E+22	1,915836E+22	2,084369E+22	2,313948E+22
-753	2,487564E+22	2,558694E+22	2,563818E+22	2,563863E+22	2,558800E+22	2,487650E+22	2,314001E+22	2,084399E+22	1,915843E+22	1,915840E+22	2,084395E+22	2,314011E+22
-752	2,487691E+22	2,558839E+22	2,563889E+22	2,563891E+22	2,558824E+22	2,487657E+22	2,313984E+22	2,084358E+22	1,915795E+22	1,915816E+22	2,084394E+22	2,313992E+22
-751	2,487614E+22	2,558734E+22	2,563771E+22	2,563769E+22	2,558758E+22	2,487666E+22	2,314029E+22	2,084398E+22	1,915805E+22	1,915786E+22	2,084344E+22	2,313948E+22
-750	2,487576E+22	2,558728E+22	2,563842E+22	2,563850E+22	2,558789E+22	2,487660E+22	2,314016E+22	2,084395E+22	1,915815E+22	1,915803E+22	2,084378E+22	2,314034E+22
-749	2,487720E+22	2,558837E+22	2,563871E+22	2,563843E+22	2,558756E+22	2,487614E+22	2,313981E+22	2,084380E+22	1,915823E+22	1,915831E+22	2,084376E+22	2,313949E+22
-748	2,487575E+22	2,558699E+22	2,563758E+22	2,563784E+22	2,558751E+22	2,487633E+22	2,314013E+22	2,084424E+22	1,915864E+22	1,915853E+22	2,084390E+22	2,313966E+22
-747	2,487610E+22	2,558797E+22	2,563892E+22	2,563888E+22	2,558821E+22	2,487656E+22	2,313987E+22	2,084385E+22	1,915847E+22	1,915871E+22	2,084450E+22	2,314061E+22
-746	2,487683E+22	2,558802E+22	2,563860E+22	2,563834E+22	2,558758E+22	2,487630E+22	2,314003E+22	2,084413E+22	1,915871E+22	1,915878E+22	2,084421E+22	2,313993E+22
-745	2,487588E+22	2,558681E+22	2,563777E+22	2,563828E+22	2,558785E+22	2,487658E+22	2,314038E+22	2,084461E+22	1,915921E+22	1,915912E+22	2,084443E+22	2,314037E+22
-744	2,487709E+22	2,558865E+22	2,563908E+22	2,563889E+22	2,558812E+22	2,487661E+22	2,314029E+22	2,084456E+22	1,915924E+22	1,915932E+22	2,084468E+22	2,314036E+22
-743	2,487654E+22	2,558793E+22	2,563845E+22	2,563810E+22	2,558742E+22	2,487641E+22	2,314059E+22	2,084509E+22	1,915977E+22	1,915952E+22	2,084441E+22	2,313966E+22
-742	2,487560E+22	2,558725E+22	2,563874E+22	2,563895E+22	2,558798E+22	2,487644E+22	2,314042E+22	2,084510E+22	1,916002E+22	1,915993E+22	2,084496E+22	2,314055E+22
-741	2,487697E+22	2,558845E+22	2,563922E+22	2,563917E+22	2,558813E+22	2,487640E+22	2,314013E+22	2,084472E+22	1,915989E+22	1,916020E+22	2,084524E+22	2,314023E+22
-740	2,487584E+22	2,558699E+22	2,563773E+22	2,563800E+22	2,558768E+22	2,487663E+22	2,314067E+22	2,084518E+22	1,916003E+22	1,915998E+22	2,084498E+22	2,314021E+22
-739	2,487609E+22	2,558763E+22	2,563871E+22	2,563883E+22	2,558818E+22	2,487675E+22	2,314048E+22	2,084487E+22	1,915971E+22	1,915976E+22	2,084512E+22	2,314098E+22
-738	2,487728E+22	2,558844E+22	2,563887E+22	2,563850E+22	2,558753E+22	2,487623E+22	2,314027E+22	2,084480E+22	1,915961E+22	1,915956E+22	2,084461E+22	2,314002E+22
-737	2,487600E+22	2,558706E+22	2,563780E+22	2,563810E+22	2,558754E+22	2,487629E+22	2,314034E+22	2,084491E+22	1,915966E+22	1,915947E+22	2,084449E+22	2,314005E+22
-736	2,487662E+22	2,558852E+22	2,563931E+22	2,563909E+22	2,558813E+22	2,487646E+22	2,314008E+22	2,084436E+22	1,915910E+22	1,915923E+22	2,084467E+22	2,314037E+22
-735	2,487645E+22	2,558784E+22	2,563862E+22	2,563840E+22	2,558757E+22	2,487634E+22	2,314020E+22	2,084442E+22	1,915899E+22	1,915891E+22	2,084412E+22	2,313960E+22
-734	2,487547E+22	2,558672E+22	2,563806E+22	2,563859E+22	2,558796E+22	2,487654E+22	2,314022E+22	2,084434E+22	1,915885E+22	1,915880E+22	2,084423E+22	2,314023E+22
-733	2,487695E+22	2,558840E+22	2,563883E+22	2,563885E+22	2,558816E+22	2,487657E+22	2,313999E+22	2,084395E+22	1,915856E+22	1,915879E+22	2,084432E+22	2,313999E+22

1 Longitude ⊙ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-732	2,487608E+22	2,558728E+22	2,563759E+22	2,563748E+22	2,558729E+22	2,487650E+22	2,314045E+22	2,084451E+22	1,915884E+22	1,915860E+22	2,084388E+22	2,313959E+22
-731	2,487579E+22	2,558737E+22	2,563843E+22	2,563849E+22	2,558778E+22	2,487643E+22	2,314019E+22	2,084436E+22	1,915886E+22	1,915876E+22	2,084420E+22	2,314033E+22
-730	2,487701E+22	2,558840E+22	2,563899E+22	2,563875E+22	2,558762E+22	2,487601E+22	2,313979E+22	2,084416E+22	1,915891E+22	1,915901E+22	2,084432E+22	2,313985E+22
-729	2,487578E+22	2,558677E+22	2,563744E+22	2,563789E+22	2,558754E+22	2,487624E+22	2,314005E+22	2,084441E+22	1,915917E+22	1,915920E+22	2,084447E+22	2,314003E+22
-728	2,487631E+22	2,558804E+22	2,563890E+22	2,563885E+22	2,558812E+22	2,487661E+22	2,314018E+22	2,084431E+22	1,915900E+22	1,915922E+22	2,084483E+22	2,314074E+22
-727	2,487688E+22	2,558809E+22	2,563868E+22	2,563837E+22	2,558749E+22	2,487633E+22	2,314034E+22	2,084470E+22	1,915940E+22	1,915935E+22	2,084447E+22	2,313989E+22
-726	2,487579E+22	2,558697E+22	2,563801E+22	2,563833E+22	2,558764E+22	2,487638E+22	2,314048E+22	2,084510E+22	1,915992E+22	1,915973E+22	2,084465E+22	2,314019E+22
-725	2,487687E+22	2,558873E+22	2,563942E+22	2,563923E+22	2,558818E+22	2,487648E+22	2,314026E+22	2,084490E+22	1,916005E+22	1,916024E+22	2,084519E+22	2,314028E+22
-724	2,487613E+22	2,558758E+22	2,563835E+22	2,563823E+22	2,558753E+22	2,487642E+22	2,314067E+22	2,084550E+22	1,916054E+22	1,916040E+22	2,084507E+22	2,313991E+22
-723	2,487551E+22	2,558699E+22	2,563842E+22	2,563891E+22	2,558817E+22	2,487665E+22	2,314062E+22	2,084543E+22	1,916057E+22	1,916055E+22	2,084546E+22	2,314079E+22
-722	2,487694E+22	2,558837E+22	2,563917E+22	2,563917E+22	2,558811E+22	2,487647E+22	2,314041E+22	2,084520E+22	1,916043E+22	1,916062E+22	2,084562E+22	2,314066E+22
-721	2,487612E+22	2,558697E+22	2,563754E+22	2,563778E+22	2,558744E+22	2,487644E+22	2,314071E+22	2,084555E+22	1,916059E+22	1,916048E+22	2,084528E+22	2,314039E+22
-720	2,487635E+22	2,558799E+22	2,563892E+22	2,563873E+22	2,558780E+22	2,487652E+22	2,314066E+22	2,084534E+22	1,916029E+22	1,916026E+22	2,084530E+22	2,314084E+22
-719	2,487709E+22	2,558851E+22	2,563918E+22	2,563876E+22	2,558747E+22	2,487606E+22	2,314032E+22	2,084518E+22	1,916024E+22	1,916018E+22	2,084494E+22	2,313992E+22
-718	2,487570E+22	2,558701E+22	2,563800E+22	2,563837E+22	2,558764E+22	2,487615E+22	2,314021E+22	2,084505E+22	1,916009E+22	1,915999E+22	2,084484E+22	2,314009E+22
-717	2,487642E+22	2,558837E+22	2,563930E+22	2,563927E+22	2,558835E+22	2,487659E+22	2,314008E+22	2,084446E+22	1,915952E+22	1,915982E+22	2,084509E+22	2,314051E+22
-716	2,487630E+22	2,558752E+22	2,563829E+22	2,563824E+22	2,558756E+22	2,487647E+22	2,314051E+22	2,084484E+22	1,915950E+22	1,915939E+22	2,084448E+22	2,313985E+22
-715	2,487565E+22	2,558675E+22	2,563778E+22	2,563835E+22	2,558786E+22	2,487655E+22	2,314047E+22	2,084483E+22	1,915942E+22	1,915922E+22	2,084439E+22	2,314020E+22
-714	2,487687E+22	2,558854E+22	2,563904E+22	2,563890E+22	2,558795E+22	2,487638E+22	2,314015E+22	2,084450E+22	1,915927E+22	1,915932E+22	2,084461E+22	2,314012E+22
-713	2,487605E+22	2,558724E+22	2,563768E+22	2,563759E+22	2,558713E+22	2,487614E+22	2,314029E+22	2,084481E+22	1,915954E+22	1,915939E+22	2,084440E+22	2,313973E+22
-712	2,487575E+22	2,558744E+22	2,563858E+22	2,563859E+22	2,558767E+22	2,487628E+22	2,314023E+22	2,084467E+22	1,915944E+22	1,915944E+22	2,084470E+22	2,314044E+22
-711	2,487679E+22	2,558823E+22	2,563902E+22	2,563891E+22	2,558776E+22	2,487614E+22	2,313999E+22	2,084450E+22	1,915948E+22	1,915965E+22	2,084483E+22	2,314007E+22
-710	2,487578E+22	2,558680E+22	2,563748E+22	2,563795E+22	2,558753E+22	2,487621E+22	2,314017E+22	2,084475E+22	1,915966E+22	1,915965E+22	2,084476E+22	2,314016E+22
-709	2,487640E+22	2,558817E+22	2,563898E+22	2,563891E+22	2,558813E+22	2,487662E+22	2,314030E+22	2,084472E+22	1,915970E+22	1,915989E+22	2,084513E+22	2,314071E+22
-708	2,487674E+22	2,558804E+22	2,563870E+22	2,563837E+22	2,558740E+22	2,487631E+22	2,314061E+22	2,084533E+22	1,916027E+22	1,916015E+22	2,084490E+22	2,313992E+22
-707	2,487567E+22	2,558693E+22	2,563801E+22	2,563845E+22	2,558769E+22	2,487630E+22	2,314061E+22	2,084562E+22	1,916073E+22	1,916052E+22	2,084512E+22	2,314016E+22
-706	2,487648E+22	2,558851E+22	2,563952E+22	2,563949E+22	2,558833E+22	2,487649E+22	2,314037E+22	2,084535E+22	1,916078E+22	1,916097E+22	2,084582E+22	2,314069E+22
-705	2,487611E+22	2,558725E+22	2,563804E+22	2,563810E+22	2,558747E+22	2,487635E+22	2,314069E+22	2,084577E+22	1,916113E+22	1,916113E+22	2,084569E+22	2,314035E+22
-704	2,487577E+22	2,558708E+22	2,563829E+22	2,563860E+22	2,558783E+22	2,487657E+22	2,314091E+22	2,084589E+22	1,916109E+22	1,916104E+22	2,084578E+22	2,314096E+22
-703	2,487706E+22	2,558852E+22	2,563925E+22	2,563908E+22	2,558789E+22	2,487634E+22	2,314059E+22	2,084569E+22	1,916106E+22	1,916112E+22	2,084583E+22	2,314065E+22
-702	2,487616E+22	2,558731E+22	2,563789E+22	2,563787E+22	2,558719E+22	2,487608E+22	2,314060E+22	2,084583E+22	1,916111E+22	1,916093E+22	2,084542E+22	2,314026E+22
-701	2,487620E+22	2,558814E+22	2,563934E+22	2,563915E+22	2,558794E+22	2,487635E+22	2,314046E+22	2,084548E+22	1,916086E+22	1,916092E+22	2,084562E+22	2,314073E+22
-700	2,487672E+22	2,558822E+22	2,563917E+22	2,563901E+22	2,558774E+22	2,487619E+22	2,314043E+22	2,084545E+22	1,916076E+22	1,916079E+22	2,084539E+22	2,314006E+22
-699	2,487555E+22	2,558674E+22	2,563776E+22	2,563843E+22	2,558791E+22	2,487642E+22	2,314049E+22	2,084538E+22	1,916052E+22	1,916042E+22	2,084514E+22	2,314018E+22
-698	2,487624E+22	2,558819E+22	2,563924E+22	2,563930E+22	2,558844E+22	2,487676E+22	2,314045E+22	2,084500E+22	1,916006E+22	1,916019E+22	2,084537E+22	2,314080E+22
-697	2,487641E+22	2,558741E+22	2,563800E+22	2,563790E+22	2,558729E+22	2,487632E+22	2,314062E+22	2,084532E+22	1,916019E+22	1,916001E+22	2,084482E+22	2,313998E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-696	2,487578E+22	2,558698E+22	2,563787E+22	2,563810E+22	2,558740E+22	2,487629E+22	2,314066E+22	2,084536E+22	1,916013E+22	1,915988E+22	2,084474E+22	2,314018E+22
-695	2,487667E+22	2,558850E+22	2,563925E+22	2,563907E+22	2,558783E+22	2,487609E+22	2,314009E+22	2,084488E+22	1,915999E+22	1,916010E+22	2,084512E+22	2,314022E+22
-694	2,487587E+22	2,558719E+22	2,563779E+22	2,563774E+22	2,558713E+22	2,487590E+22	2,314004E+22	2,084487E+22	1,915998E+22	1,915999E+22	2,084490E+22	2,313999E+22
-693	2,487575E+22	2,558741E+22	2,563866E+22	2,563877E+22	2,558786E+22	2,487631E+22	2,314013E+22	2,084473E+22	1,915987E+22	1,916005E+22	2,084515E+22	2,314069E+22
-692	2,487681E+22	2,558812E+22	2,563886E+22	2,563883E+22	2,558778E+22	2,487625E+22	2,314027E+22	2,084494E+22	1,916002E+22	1,916014E+22	2,084514E+22	2,314027E+22
-691	2,487596E+22	2,558694E+22	2,563746E+22	2,563791E+22	2,558753E+22	2,487626E+22	2,314046E+22	2,084532E+22	1,916033E+22	1,916014E+22	2,084488E+22	2,314002E+22
-690	2,487620E+22	2,558826E+22	2,563932E+22	2,563916E+22	2,558814E+22	2,487657E+22	2,314055E+22	2,084537E+22	1,916054E+22	1,916051E+22	2,084541E+22	2,314072E+22
-689	2,487652E+22	2,558785E+22	2,563869E+22	2,563848E+22	2,558741E+22	2,487614E+22	2,314062E+22	2,084581E+22	1,916115E+22	1,916106E+22	2,084547E+22	2,314005E+22
-688	2,487553E+22	2,558685E+22	2,563801E+22	2,563840E+22	2,558761E+22	2,487633E+22	2,314086E+22	2,084610E+22	1,916145E+22	1,916132E+22	2,084571E+22	2,314037E+22
-687	2,487628E+22	2,558821E+22	2,563941E+22	2,563948E+22	2,558834E+22	2,487657E+22	2,314063E+22	2,084584E+22	1,916147E+22	1,916170E+22	2,084636E+22	2,314099E+22
-686	2,487621E+22	2,558731E+22	2,563801E+22	2,563797E+22	2,558728E+22	2,487618E+22	2,314073E+22	2,084611E+22	1,916167E+22	1,916166E+22	2,084604E+22	2,314058E+22
-685	2,487599E+22	2,558735E+22	2,563848E+22	2,563861E+22	2,558769E+22	2,487636E+22	2,314081E+22	2,084618E+22	1,916175E+22	1,916169E+22	2,084606E+22	2,314095E+22
-684	2,487700E+22	2,558860E+22	2,563942E+22	2,563914E+22	2,558777E+22	2,487620E+22	2,314068E+22	2,084613E+22	1,916175E+22	1,916179E+22	2,084618E+22	2,314067E+22
-683	2,487607E+22	2,558731E+22	2,563807E+22	2,563819E+22	2,558739E+22	2,487600E+22	2,314058E+22	2,084612E+22	1,916167E+22	1,916150E+22	2,084573E+22	2,314019E+22
-682	2,487584E+22	2,558789E+22	2,563945E+22	2,563949E+22	2,558828E+22	2,487651E+22	2,314057E+22	2,084577E+22	1,916132E+22	1,916138E+22	2,084602E+22	2,314102E+22
-681	2,487663E+22	2,558785E+22	2,563884E+22	2,563889E+22	2,558782E+22	2,487632E+22	2,314057E+22	2,084573E+22	1,916122E+22	1,916131E+22	2,084581E+22	2,314035E+22
-680	2,487572E+22	2,558679E+22	2,563759E+22	2,563801E+22	2,558756E+22	2,487644E+22	2,314087E+22	2,084587E+22	1,916100E+22	1,916082E+22	2,084536E+22	2,314023E+22
-679	2,487618E+22	2,558812E+22	2,563920E+22	2,563911E+22	2,558818E+22	2,487663E+22	2,314065E+22	2,084553E+22	1,916075E+22	1,916075E+22	2,084558E+22	2,314073E+22
-678	2,487637E+22	2,558760E+22	2,563822E+22	2,563788E+22	2,558699E+22	2,487590E+22	2,314042E+22	2,084556E+22	1,916078E+22	1,916061E+22	2,084511E+22	2,313997E+22
-677	2,487569E+22	2,558705E+22	2,563815E+22	2,563836E+22	2,558742E+22	2,487598E+22	2,314031E+22	2,084544E+22	1,916074E+22	1,916063E+22	2,084519E+22	2,314025E+22
-676	2,487646E+22	2,558826E+22	2,563920E+22	2,563917E+22	2,558799E+22	2,487616E+22	2,314015E+22	2,084511E+22	1,916050E+22	1,916072E+22	2,084564E+22	2,314053E+22
-675	2,487594E+22	2,558707E+22	2,563773E+22	2,563786E+22	2,558733E+22	2,487604E+22	2,314023E+22	2,084517E+22	1,916039E+22	1,916040E+22	2,084518E+22	2,314012E+22
-674	2,487573E+22	2,558739E+22	2,563876E+22	2,563891E+22	2,558800E+22	2,487650E+22	2,314048E+22	2,084527E+22	1,916042E+22	1,916041E+22	2,084537E+22	2,314088E+22
-673	2,487691E+22	2,558812E+22	2,563879E+22	2,563868E+22	2,558766E+22	2,487622E+22	2,314048E+22	2,084551E+22	1,916082E+22	1,916084E+22	2,084545E+22	2,314027E+22
-672	2,487595E+22	2,558714E+22	2,563769E+22	2,563778E+22	2,558720E+22	2,487616E+22	2,314080E+22	2,084600E+22	1,916124E+22	1,916097E+22	2,084527E+22	2,313990E+22
-671	2,487580E+22	2,558800E+22	2,563945E+22	2,563938E+22	2,558819E+22	2,487648E+22	2,314066E+22	2,084595E+22	1,916150E+22	1,916150E+22	2,084601E+22	2,314079E+22
-670	2,487630E+22	2,558768E+22	2,563866E+22	2,563851E+22	2,558740E+22	2,487599E+22	2,314051E+22	2,084606E+22	1,916183E+22	1,916189E+22	2,084613E+22	2,314040E+22
-669	2,487559E+22	2,558676E+22	2,563797E+22	2,563839E+22	2,558759E+22	2,487625E+22	2,314078E+22	2,084632E+22	1,916207E+22	1,916206E+22	2,084626E+22	2,314072E+22
-668	2,487643E+22	2,558815E+22	2,563927E+22	2,563928E+22	2,558816E+22	2,487652E+22	2,314084E+22	2,084630E+22	1,916208E+22	1,916227E+22	2,084676E+22	2,314125E+22
-667	2,487647E+22	2,558751E+22	2,563816E+22	2,563802E+22	2,558718E+22	2,487603E+22	2,314080E+22	2,084651E+22	1,916226E+22	1,916213E+22	2,084620E+22	2,314049E+22
-666	2,487590E+22	2,558754E+22	2,563896E+22	2,563901E+22	2,558780E+22	2,487629E+22	2,314087E+22	2,084656E+22	1,916233E+22	1,916219E+22	2,084634E+22	2,314099E+22
-665	2,487683E+22	2,558845E+22	2,563947E+22	2,563932E+22	2,558792E+22	2,487616E+22	2,314063E+22	2,084638E+22	1,916235E+22	1,916247E+22	2,084661E+22	2,314071E+22
-664	2,487591E+22	2,558721E+22	2,563810E+22	2,563817E+22	2,558744E+22	2,487624E+22	2,314091E+22	2,084648E+22	1,916217E+22	1,916204E+22	2,084610E+22	2,314027E+22
-663	2,487559E+22	2,558749E+22	2,563929E+22	2,563951E+22	2,558838E+22	2,487671E+22	2,314092E+22	2,084626E+22	1,916189E+22	1,916188E+22	2,084631E+22	2,314109E+22
-662	2,487664E+22	2,558778E+22	2,563865E+22	2,563863E+22	2,558759E+22	2,487619E+22	2,314066E+22	2,084609E+22	1,916173E+22	1,916176E+22	2,084606E+22	2,314047E+22
-661	2,487585E+22	2,558693E+22	2,563767E+22	2,563785E+22	2,558728E+22	2,487619E+22	2,314078E+22	2,084619E+22	1,916168E+22	1,916146E+22	2,084565E+22	2,314022E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-660	2,487610E+22	2,558809E+22	2,563925E+22	2,563901E+22	2,558790E+22	2,487637E+22	2,314066E+22	2,084592E+22	1,916143E+22	1,916146E+22	2,084603E+22	2,314083E+22
-659	2,487632E+22	2,558753E+22	2,563836E+22	2,563813E+22	2,558705E+22	2,487569E+22	2,314025E+22	2,084573E+22	1,916128E+22	1,916121E+22	2,084553E+22	2,314007E+22
-658	2,487553E+22	2,558692E+22	2,563831E+22	2,563867E+22	2,558769E+22	2,487608E+22	2,314029E+22	2,084557E+22	1,916108E+22	1,916107E+22	2,084565E+22	2,314062E+22
-657	2,487654E+22	2,558807E+22	2,563899E+22	2,563906E+22	2,558802E+22	2,487625E+22	2,314027E+22	2,084538E+22	1,916094E+22	1,916121E+22	2,084600E+22	2,314077E+22
-656	2,487618E+22	2,558728E+22	2,563780E+22	2,563762E+22	2,558711E+22	2,487615E+22	2,314066E+22	2,084572E+22	1,916096E+22	1,916083E+22	2,084533E+22	2,314006E+22
-655	2,487562E+22	2,558737E+22	2,563891E+22	2,563897E+22	2,558791E+22	2,487649E+22	2,314079E+22	2,084596E+22	1,916129E+22	1,916109E+22	2,084554E+22	2,314062E+22
-654	2,487672E+22	2,558821E+22	2,563904E+22	2,563880E+22	2,558753E+22	2,487599E+22	2,314045E+22	2,084595E+22	1,916164E+22	1,916166E+22	2,084589E+22	2,314023E+22
-653	2,487572E+22	2,558705E+22	2,563790E+22	2,563803E+22	2,558729E+22	2,487600E+22	2,314064E+22	2,084632E+22	1,916210E+22	1,916195E+22	2,084591E+22	2,314004E+22
-652	2,487554E+22	2,558759E+22	2,563923E+22	2,563934E+22	2,558827E+22	2,487661E+22	2,314086E+22	2,084639E+22	1,916224E+22	1,916236E+22	2,084673E+22	2,314120E+22
-651	2,487641E+22	2,558749E+22	2,563853E+22	2,563855E+22	2,558744E+22	2,487602E+22	2,314067E+22	2,084645E+22	1,916241E+22	1,916250E+22	2,084659E+22	2,314069E+22
-650	2,487575E+22	2,558682E+22	2,563803E+22	2,563843E+22	2,558759E+22	2,487627E+22	2,314096E+22	2,084677E+22	1,916263E+22	1,916254E+22	2,084662E+22	2,314101E+22
-649	2,487664E+22	2,558828E+22	2,563929E+22	2,563913E+22	2,558795E+22	2,487637E+22	2,314092E+22	2,084675E+22	1,916280E+22	1,916294E+22	2,084711E+22	2,314132E+22
-648	2,487656E+22	2,558781E+22	2,563855E+22	2,563805E+22	2,558692E+22	2,487590E+22	2,314098E+22	2,084696E+22	1,916291E+22	1,916276E+22	2,084651E+22	2,314036E+22
-647	2,487554E+22	2,558729E+22	2,563912E+22	2,563934E+22	2,558798E+22	2,487630E+22	2,314095E+22	2,084695E+22	1,916301E+22	1,916289E+22	2,084671E+22	2,314091E+22
-646	2,487662E+22	2,558828E+22	2,563939E+22	2,563936E+22	2,558803E+22	2,487621E+22	2,314061E+22	2,084652E+22	1,916277E+22	1,916302E+22	2,084703E+22	2,314091E+22
-645	2,487592E+22	2,558709E+22	2,563799E+22	2,563806E+22	2,558738E+22	2,487623E+22	2,314094E+22	2,084675E+22	1,916269E+22	1,916255E+22	2,084642E+22	2,314041E+22
-644	2,487561E+22	2,558731E+22	2,563900E+22	2,563918E+22	2,558813E+22	2,487670E+22	2,314120E+22	2,084677E+22	1,916249E+22	1,916238E+22	2,084658E+22	2,314118E+22
-643	2,487674E+22	2,558784E+22	2,563873E+22	2,563862E+22	2,558734E+22	2,487592E+22	2,314067E+22	2,084647E+22	1,916231E+22	1,916224E+22	2,084623E+22	2,314036E+22
-642	2,487572E+22	2,558701E+22	2,563801E+22	2,563816E+22	2,558727E+22	2,487598E+22	2,314070E+22	2,084645E+22	1,916217E+22	1,916199E+22	2,084603E+22	2,314033E+22
-641	2,487599E+22	2,558795E+22	2,563925E+22	2,563910E+22	2,558792E+22	2,487625E+22	2,314053E+22	2,084608E+22	1,916195E+22	1,916212E+22	2,084654E+22	2,314102E+22
-640	2,487632E+22	2,558755E+22	2,563846E+22	2,563811E+22	2,558704E+22	2,487587E+22	2,314050E+22	2,084597E+22	1,916168E+22	1,916169E+22	2,084591E+22	2,314020E+22
-639	2,487542E+22	2,558670E+22	2,563830E+22	2,563881E+22	2,558785E+22	2,487629E+22	2,314063E+22	2,084604E+22	1,916164E+22	1,916156E+22	2,084587E+22	2,314061E+22
-638	2,487663E+22	2,558818E+22	2,563896E+22	2,563895E+22	2,558793E+22	2,487624E+22	2,314041E+22	2,084580E+22	1,916155E+22	1,916174E+22	2,084623E+22	2,314077E+22
-637	2,487622E+22	2,558745E+22	2,563802E+22	2,563767E+22	2,558696E+22	2,487601E+22	2,314071E+22	2,084624E+22	1,916186E+22	1,916162E+22	2,084567E+22	2,313998E+22
-636	2,487539E+22	2,558717E+22	2,563893E+22	2,563902E+22	2,558781E+22	2,487639E+22	2,314098E+22	2,084657E+22	1,916221E+22	1,916203E+22	2,084615E+22	2,314071E+22
-635	2,487648E+22	2,558789E+22	2,563905E+22	2,563907E+22	2,558763E+22	2,487588E+22	2,314043E+22	2,084630E+22	1,916237E+22	1,916251E+22	2,084653E+22	2,314046E+22
-634	2,487560E+22	2,558684E+22	2,563791E+22	2,563821E+22	2,558745E+22	2,487612E+22	2,314074E+22	2,084659E+22	1,916260E+22	1,916262E+22	2,084661E+22	2,314057E+22
-633	2,487576E+22	2,558747E+22	2,563893E+22	2,563903E+22	2,558803E+22	2,487655E+22	2,314100E+22	2,084675E+22	1,916282E+22	1,916300E+22	2,084723E+22	2,314155E+22
-632	2,487676E+22	2,558781E+22	2,563862E+22	2,563825E+22	2,558708E+22	2,487598E+22	2,314096E+22	2,084694E+22	1,916301E+22	1,916300E+22	2,084682E+22	2,314070E+22
-631	2,487577E+22	2,558699E+22	2,563835E+22	2,563862E+22	2,558752E+22	2,487614E+22	2,314109E+22	2,084729E+22	1,916339E+22	1,916315E+22	2,084676E+22	2,314078E+22
-630	2,487653E+22	2,558845E+22	2,563957E+22	2,563935E+22	2,558789E+22	2,487614E+22	2,314080E+22	2,084702E+22	1,916343E+22	1,916360E+22	2,084744E+22	2,314124E+22
-629	2,487633E+22	2,558775E+22	2,563880E+22	2,563841E+22	2,558713E+22	2,487588E+22	2,314090E+22	2,084722E+22	1,916357E+22	1,916347E+22	2,084694E+22	2,314039E+22
-628	2,487524E+22	2,558687E+22	2,563890E+22	2,563935E+22	2,558811E+22	2,487655E+22	2,314128E+22	2,084739E+22	1,916359E+22	1,916351E+22	2,084718E+22	2,314108E+22
-627	2,487651E+22	2,558799E+22	2,563922E+22	2,563939E+22	2,558804E+22	2,487628E+22	2,314086E+22	2,084694E+22	1,916327E+22	1,916346E+22	2,084731E+22	2,314102E+22
-626	2,487594E+22	2,558708E+22	2,563798E+22	2,563803E+22	2,558730E+22	2,487624E+22	2,314114E+22	2,084717E+22	1,916318E+22	1,916301E+22	2,084675E+22	2,314058E+22
-625	2,487569E+22	2,558733E+22	2,563886E+22	2,563888E+22	2,558773E+22	2,487645E+22	2,314124E+22	2,084719E+22	1,916318E+22	1,916306E+22	2,084698E+22	2,314125E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-624	2,487677E+22	2,558803E+22	2,563896E+22	2,563858E+22	2,558706E+22	2,487571E+22	2,314071E+22	2,084679E+22	1,916290E+22	1,916288E+22	2,084665E+22	2,314039E+22
-623	2,487548E+22	2,558681E+22	2,563812E+22	2,563848E+22	2,558745E+22	2,487593E+22	2,314063E+22	2,084666E+22	1,916270E+22	1,916261E+22	2,084643E+22	2,314042E+22
-622	2,487597E+22	2,558790E+22	2,563918E+22	2,563913E+22	2,558796E+22	2,487624E+22	2,314047E+22	2,084613E+22	1,916225E+22	1,916258E+22	2,084696E+22	2,314129E+22
-621	2,487647E+22	2,558761E+22	2,563852E+22	2,563816E+22	2,558701E+22	2,487585E+22	2,314057E+22	2,084626E+22	1,916215E+22	1,916211E+22	2,084615E+22	2,314028E+22
-620	2,487544E+22	2,558664E+22	2,563818E+22	2,563867E+22	2,558772E+22	2,487637E+22	2,314100E+22	2,084664E+22	1,916232E+22	1,916210E+22	2,084610E+22	2,314055E+22
-619	2,487653E+22	2,558821E+22	2,563918E+22	2,563915E+22	2,558784E+22	2,487611E+22	2,314055E+22	2,084630E+22	1,916227E+22	1,916236E+22	2,084647E+22	2,314063E+22
-618	2,487598E+22	2,558740E+22	2,563826E+22	2,563801E+22	2,558706E+22	2,487594E+22	2,314077E+22	2,084664E+22	1,916253E+22	1,916238E+22	2,084624E+22	2,314012E+22
-617	2,487519E+22	2,558687E+22	2,563868E+22	2,563896E+22	2,558779E+22	2,487637E+22	2,314105E+22	2,084696E+22	1,916297E+22	1,916292E+22	2,084686E+22	2,314104E+22
-616	2,487650E+22	2,558784E+22	2,563898E+22	2,563889E+22	2,558750E+22	2,487599E+22	2,314071E+22	2,084671E+22	1,916297E+22	1,916317E+22	2,084708E+22	2,314075E+22
-615	2,487560E+22	2,558668E+22	2,563783E+22	2,563822E+22	2,558741E+22	2,487614E+22	2,314099E+22	2,084712E+22	1,916329E+22	1,916322E+22	2,084692E+22	2,314069E+22
-614	2,487601E+22	2,558775E+22	2,563896E+22	2,563888E+22	2,558777E+22	2,487634E+22	2,314102E+22	2,084712E+22	1,916346E+22	1,916361E+22	2,084756E+22	2,314163E+22
-613	2,487688E+22	2,558816E+22	2,563903E+22	2,563841E+22	2,558688E+22	2,487567E+22	2,314089E+22	2,084738E+22	1,916382E+22	1,916372E+22	2,084713E+22	2,314059E+22
-612	2,487553E+22	2,558691E+22	2,563851E+22	2,563886E+22	2,558756E+22	2,487608E+22	2,314122E+22	2,084779E+22	1,916419E+22	1,916396E+22	2,084725E+22	2,314076E+22
-611	2,487620E+22	2,558816E+22	2,563969E+22	2,563976E+22	2,558814E+22	2,487616E+22	2,314081E+22	2,084729E+22	1,916401E+22	1,916424E+22	2,084788E+22	2,314134E+22
-610	2,487613E+22	2,558749E+22	2,563873E+22	2,563861E+22	2,558738E+22	2,487611E+22	2,314112E+22	2,084750E+22	1,916396E+22	1,916398E+22	2,084746E+22	2,314073E+22
-609	2,487530E+22	2,558664E+22	2,563846E+22	2,563900E+22	2,558791E+22	2,487657E+22	2,314156E+22	2,084787E+22	1,916417E+22	1,916406E+22	2,084758E+22	2,314131E+22
-608	2,487667E+22	2,558816E+22	2,563918E+22	2,563904E+22	2,558766E+22	2,487622E+22	2,314114E+22	2,084743E+22	1,916387E+22	1,916394E+22	2,084754E+22	2,314100E+22
-607	2,487584E+22	2,558713E+22	2,563817E+22	2,563815E+22	2,558715E+22	2,487603E+22	2,314119E+22	2,084761E+22	1,916388E+22	1,916363E+22	2,084697E+22	2,314046E+22
-606	2,487564E+22	2,558748E+22	2,563902E+22	2,563897E+22	2,558758E+22	2,487610E+22	2,314099E+22	2,084729E+22	1,916368E+22	1,916370E+22	2,084743E+22	2,314135E+22
-605	2,487667E+22	2,558806E+22	2,563915E+22	2,563885E+22	2,558718E+22	2,487559E+22	2,314054E+22	2,084693E+22	1,916339E+22	1,916344E+22	2,084708E+22	2,314056E+22
-604	2,487537E+22	2,558658E+22	2,563797E+22	2,563853E+22	2,558759E+22	2,487614E+22	2,314091E+22	2,084701E+22	1,916314E+22	1,916306E+22	2,084681E+22	2,314063E+22
-603	2,487596E+22	2,558775E+22	2,563913E+22	2,563926E+22	2,558802E+22	2,487631E+22	2,314070E+22	2,084651E+22	1,916267E+22	1,916289E+22	2,084711E+22	2,314133E+22
-602	2,487651E+22	2,558772E+22	2,563864E+22	2,563829E+22	2,558707E+22	2,487596E+22	2,314085E+22	2,084673E+22	1,916266E+22	1,916258E+22	2,084645E+22	2,314033E+22
-601	2,487540E+22	2,558666E+22	2,563810E+22	2,563848E+22	2,558741E+22	2,487619E+22	2,314117E+22	2,084721E+22	1,916315E+22	1,916289E+22	2,084654E+22	2,314053E+22
-600	2,487630E+22	2,558819E+22	2,563928E+22	2,563913E+22	2,558769E+22	2,487602E+22	2,314068E+22	2,084677E+22	1,916305E+22	1,916317E+22	2,084700E+22	2,314068E+22
-599	2,487566E+22	2,558709E+22	2,563822E+22	2,563824E+22	2,558723E+22	2,487594E+22	2,314081E+22	2,084702E+22	1,916328E+22	1,916320E+22	2,084679E+22	2,314033E+22
-598	2,487526E+22	2,558682E+22	2,563845E+22	2,563875E+22	2,558761E+22	2,487622E+22	2,314102E+22	2,084717E+22	1,916349E+22	1,916358E+22	2,084744E+22	2,314144E+22
-597	2,487674E+22	2,558801E+22	2,563902E+22	2,563882E+22	2,558728E+22	2,487577E+22	2,314075E+22	2,084714E+22	1,916362E+22	1,916372E+22	2,084742E+22	2,314094E+22
-596	2,487574E+22	2,558683E+22	2,563790E+22	2,563817E+22	2,558722E+22	2,487603E+22	2,314120E+22	2,084768E+22	1,916402E+22	1,916383E+22	2,084721E+22	2,314068E+22
-595	2,487592E+22	2,558786E+22	2,563939E+22	2,563928E+22	2,558773E+22	2,487611E+22	2,314101E+22	2,084751E+22	1,916413E+22	1,916422E+22	2,084781E+22	2,314149E+22
-594	2,487664E+22	2,558816E+22	2,563939E+22	2,563898E+22	2,558722E+22	2,487573E+22	2,314094E+22	2,084767E+22	1,916437E+22	1,916441E+22	2,084766E+22	2,314066E+22
-593	2,487526E+22	2,558662E+22	2,563832E+22	2,563888E+22	2,558770E+22	2,487624E+22	2,314143E+22	2,084820E+22	1,916487E+22	1,916474E+22	2,084784E+22	2,314097E+22
-592	2,487604E+22	2,558798E+22	2,563954E+22	2,563962E+22	2,558818E+22	2,487646E+22	2,314123E+22	2,084779E+22	1,916460E+22	1,916481E+22	2,084829E+22	2,314152E+22
-591	2,487606E+22	2,558726E+22	2,563853E+22	2,563856E+22	2,558740E+22	2,487620E+22	2,314146E+22	2,084811E+22	1,916469E+22	1,916455E+22	2,084770E+22	2,314082E+22
-590	2,487549E+22	2,558681E+22	2,563830E+22	2,563864E+22	2,558752E+22	2,487630E+22	2,314159E+22	2,084826E+22	1,916481E+22	1,916467E+22	2,084795E+22	2,314145E+22
-589	2,487675E+22	2,558840E+22	2,563944E+22	2,563906E+22	2,558732E+22	2,487576E+22	2,314100E+22	2,084782E+22	1,916458E+22	1,916459E+22	2,084791E+22	2,314105E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-588	2,487567E+22	2,558703E+22	2,563825E+22	2,563830E+22	2,558712E+22	2,487583E+22	2,314114E+22	2,084789E+22	1,916447E+22	1,916430E+22	2,084748E+22	2,314062E+22
-587	2,487546E+22	2,558732E+22	2,563917E+22	2,563931E+22	2,558775E+22	2,487603E+22	2,314085E+22	2,084733E+22	1,916399E+22	1,916413E+22	2,084780E+22	2,314157E+22
-586	2,487668E+22	2,558800E+22	2,563918E+22	2,563903E+22	2,558740E+22	2,487576E+22	2,314067E+22	2,084703E+22	1,916355E+22	1,916374E+22	2,084741E+22	2,314080E+22
-585	2,487549E+22	2,558655E+22	2,563771E+22	2,563826E+22	2,558743E+22	2,487618E+22	2,314120E+22	2,084747E+22	1,916366E+22	1,916347E+22	2,084701E+22	2,314067E+22
-584	2,487599E+22	2,558794E+22	2,563923E+22	2,563909E+22	2,558782E+22	2,487632E+22	2,314099E+22	2,084707E+22	1,916332E+22	1,916333E+22	2,084718E+22	2,314111E+22
-583	2,487622E+22	2,558764E+22	2,563881E+22	2,563851E+22	2,558708E+22	2,487584E+22	2,314099E+22	2,084730E+22	1,916350E+22	1,916328E+22	2,084666E+22	2,314016E+22
-582	2,487521E+22	2,558661E+22	2,563807E+22	2,563849E+22	2,558732E+22	2,487597E+22	2,314107E+22	2,084750E+22	1,916385E+22	1,916372E+22	2,084715E+22	2,314072E+22
-581	2,487613E+22	2,558806E+22	2,563931E+22	2,563923E+22	2,558767E+22	2,487586E+22	2,314065E+22	2,084712E+22	1,916374E+22	1,916392E+22	2,084760E+22	2,314098E+22
-580	2,487558E+22	2,558684E+22	2,563803E+22	2,563817E+22	2,558722E+22	2,487600E+22	2,314106E+22	2,084749E+22	1,916393E+22	1,916389E+22	2,084734E+22	2,314067E+22
-579	2,487534E+22	2,558682E+22	2,563854E+22	2,563884E+22	2,558753E+22	2,487608E+22	2,314108E+22	2,084754E+22	1,916406E+22	1,916410E+22	2,084774E+22	2,314160E+22
-578	2,487689E+22	2,558826E+22	2,563927E+22	2,563899E+22	2,558730E+22	2,487575E+22	2,314088E+22	2,084752E+22	1,916420E+22	1,916433E+22	2,084780E+22	2,314102E+22
-577	2,487571E+22	2,558694E+22	2,563803E+22	2,563820E+22	2,558708E+22	2,487588E+22	2,314134E+22	2,084823E+22	1,916486E+22	1,916465E+22	2,084768E+22	2,314070E+22
-576	2,487569E+22	2,558782E+22	2,563956E+22	2,563947E+22	2,558787E+22	2,487619E+22	2,314116E+22	2,084797E+22	1,916487E+22	1,916496E+22	2,084826E+22	2,314152E+22
-575	2,487630E+22	2,558781E+22	2,563935E+22	2,563926E+22	2,558758E+22	2,487597E+22	2,314118E+22	2,084811E+22	1,916509E+22	1,916513E+22	2,084810E+22	2,314085E+22
-574	2,487531E+22	2,558651E+22	2,563800E+22	2,563859E+22	2,558756E+22	2,487626E+22	2,314159E+22	2,084854E+22	1,916542E+22	1,916537E+22	2,084835E+22	2,314129E+22
-573	2,487617E+22	2,558802E+22	2,563947E+22	2,563940E+22	2,558788E+22	2,487624E+22	2,314139E+22	2,084835E+22	1,916529E+22	1,916534E+22	2,084857E+22	2,314165E+22
-572	2,487612E+22	2,558733E+22	2,563853E+22	2,563841E+22	2,558713E+22	2,487601E+22	2,314160E+22	2,084866E+22	1,916544E+22	1,916519E+22	2,084801E+22	2,314084E+22
-571	2,487539E+22	2,558688E+22	2,563864E+22	2,563886E+22	2,558733E+22	2,487589E+22	2,314138E+22	2,084849E+22	1,916537E+22	1,916523E+22	2,084824E+22	2,314144E+22
-570	2,487662E+22	2,558842E+22	2,563973E+22	2,563946E+22	2,558757E+22	2,487571E+22	2,314088E+22	2,084788E+22	1,916491E+22	1,916515E+22	2,084841E+22	2,314122E+22
-569	2,487557E+22	2,558688E+22	2,563816E+22	2,563828E+22	2,558717E+22	2,487589E+22	2,314122E+22	2,084811E+22	1,916487E+22	1,916480E+22	2,084789E+22	2,314082E+22
-568	2,487542E+22	2,558723E+22	2,563910E+22	2,563924E+22	2,558784E+22	2,487628E+22	2,314114E+22	2,084767E+22	1,916435E+22	1,916442E+22	2,084795E+22	2,314161E+22
-567	2,487662E+22	2,558789E+22	2,563913E+22	2,563912E+22	2,558757E+22	2,487594E+22	2,314099E+22	2,084756E+22	1,916415E+22	1,916413E+22	2,084743E+22	2,314071E+22
-566	2,487558E+22	2,558672E+22	2,563765E+22	2,563797E+22	2,558713E+22	2,487600E+22	2,314129E+22	2,084791E+22	1,916434E+22	1,916410E+22	2,084731E+22	2,314064E+22
-565	2,487582E+22	2,558796E+22	2,563945E+22	2,563917E+22	2,558759E+22	2,487596E+22	2,314099E+22	2,084762E+22	1,916417E+22	1,916409E+22	2,084758E+22	2,314109E+22
-564	2,487589E+22	2,558735E+22	2,563876E+22	2,563862E+22	2,558713E+22	2,487572E+22	2,314101E+22	2,084772E+22	1,916430E+22	1,916416E+22	2,084731E+22	2,314040E+22
-563	2,487497E+22	2,558631E+22	2,563808E+22	2,563861E+22	2,558735E+22	2,487584E+22	2,314096E+22	2,084766E+22	1,916434E+22	1,916436E+22	2,084771E+22	2,314112E+22
-562	2,487627E+22	2,558800E+22	2,563927E+22	2,563925E+22	2,558773E+22	2,487594E+22	2,314077E+22	2,084730E+22	1,916409E+22	1,916444E+22	2,084813E+22	2,314137E+22
-561	2,487583E+22	2,558695E+22	2,563791E+22	2,563789E+22	2,558695E+22	2,487590E+22	2,314125E+22	2,084797E+22	1,916457E+22	1,916446E+22	2,084767E+22	2,314082E+22
-560	2,487548E+22	2,558713E+22	2,563880E+22	2,563882E+22	2,558742E+22	2,487605E+22	2,314124E+22	2,084804E+22	1,916477E+22	1,916466E+22	2,084791E+22	2,314146E+22
-559	2,487671E+22	2,558829E+22	2,563961E+22	2,563941E+22	2,558753E+22	2,487574E+22	2,314101E+22	2,084805E+22	1,916504E+22	1,916506E+22	2,084804E+22	2,314089E+22
-558	2,487557E+22	2,558691E+22	2,563809E+22	2,563831E+22	2,558717E+22	2,487585E+22	2,314137E+22	2,084859E+22	1,916560E+22	1,916548E+22	2,084826E+22	2,314087E+22
-557	2,487548E+22	2,558761E+22	2,563959E+22	2,563960E+22	2,558794E+22	2,487620E+22	2,314138E+22	2,084852E+22	1,916562E+22	1,916566E+22	2,084875E+22	2,314172E+22
-556	2,487616E+22	2,558749E+22	2,563908E+22	2,563914E+22	2,558759E+22	2,487612E+22	2,314157E+22	2,084875E+22	1,916585E+22	1,916584E+22	2,084859E+22	2,314110E+22
-555	2,487531E+22	2,558646E+22	2,563803E+22	2,563849E+22	2,558735E+22	2,487610E+22	2,314170E+22	2,084899E+22	1,916606E+22	1,916593E+22	2,084868E+22	2,314145E+22
-554	2,487631E+22	2,558820E+22	2,563965E+22	2,563937E+22	2,558769E+22	2,487606E+22	2,314141E+22	2,084864E+22	1,916584E+22	1,916598E+22	2,084898E+22	2,314172E+22
-553	2,487608E+22	2,558738E+22	2,563863E+22	2,563835E+22	2,558684E+22	2,487568E+22	2,314153E+22	2,084902E+22	1,916614E+22	1,916595E+22	2,084849E+22	2,314094E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-552	2,487527E+22	2,558685E+22	2,563881E+22	2,563906E+22	2,558747E+22	2,487584E+22	2,314124E+22	2,084863E+22	1,916585E+22	1,916578E+22	2,084861E+22	2,314153E+22
-551	2,487645E+22	2,558816E+22	2,563970E+22	2,563970E+22	2,558790E+22	2,487590E+22	2,314097E+22	2,084808E+22	1,916532E+22	1,916556E+22	2,084863E+22	2,314137E+22
-550	2,487572E+22	2,558687E+22	2,563799E+22	2,563806E+22	2,558708E+22	2,487593E+22	2,314136E+22	2,084835E+22	1,916522E+22	1,916516E+22	2,084816E+22	2,314100E+22
-549	2,487551E+22	2,558731E+22	2,563917E+22	2,563914E+22	2,558762E+22	2,487612E+22	2,314135E+22	2,084822E+22	1,916494E+22	1,916478E+22	2,084799E+22	2,314147E+22
-548	2,487647E+22	2,558785E+22	2,563919E+22	2,563909E+22	2,558745E+22	2,487589E+22	2,314120E+22	2,084813E+22	1,916491E+22	1,916477E+22	2,084768E+22	2,314057E+22
-547	2,487526E+22	2,558662E+22	2,563795E+22	2,563817E+22	2,558705E+22	2,487573E+22	2,314117E+22	2,084820E+22	1,916498E+22	1,916479E+22	2,084771E+22	2,314066E+22
-546	2,487561E+22	2,558774E+22	2,563950E+22	2,563938E+22	2,558780E+22	2,487600E+22	2,314096E+22	2,084775E+22	1,916466E+22	1,916484E+22	2,084822E+22	2,314135E+22
-545	2,487581E+22	2,558709E+22	2,563852E+22	2,563844E+22	2,558707E+22	2,487577E+22	2,314117E+22	2,084809E+22	1,916491E+22	1,916488E+22	2,084793E+22	2,314081E+22
-544	2,487512E+22	2,558627E+22	2,563797E+22	2,563849E+22	2,558734E+22	2,487593E+22	2,314115E+22	2,084805E+22	1,916488E+22	1,916484E+22	2,084802E+22	2,314132E+22
-543	2,487642E+22	2,558806E+22	2,563933E+22	2,563930E+22	2,558779E+22	2,487600E+22	2,314102E+22	2,084786E+22	1,916480E+22	1,916497E+22	2,084827E+22	2,314141E+22
-542	2,487608E+22	2,558726E+22	2,563811E+22	2,563776E+22	2,558665E+22	2,487568E+22	2,314131E+22	2,084842E+22	1,916532E+22	1,916519E+22	2,084806E+22	2,314083E+22
-541	2,487537E+22	2,558723E+22	2,563919E+22	2,563910E+22	2,558733E+22	2,487578E+22	2,314131E+22	2,084863E+22	1,916563E+22	1,916545E+22	2,084830E+22	2,314139E+22
-540	2,487637E+22	2,558803E+22	2,563966E+22	2,563967E+22	2,558780E+22	2,487586E+22	2,314115E+22	2,084854E+22	1,916588E+22	1,916597E+22	2,084866E+22	2,314105E+22
-539	2,487530E+22	2,558662E+22	2,563811E+22	2,563838E+22	2,558722E+22	2,487588E+22	2,314144E+22	2,084888E+22	1,916618E+22	1,916615E+22	2,084878E+22	2,314118E+22
-538	2,487555E+22	2,558743E+22	2,563945E+22	2,563953E+22	2,558797E+22	2,487632E+22	2,314161E+22	2,084886E+22	1,916613E+22	1,916629E+22	2,084923E+22	2,314197E+22
-537	2,487630E+22	2,558751E+22	2,563894E+22	2,563879E+22	2,558720E+22	2,487593E+22	2,314175E+22	2,084932E+22	1,916661E+22	1,916650E+22	2,084896E+22	2,314122E+22
-536	2,487538E+22	2,558661E+22	2,563819E+22	2,563842E+22	2,558713E+22	2,487588E+22	2,314168E+22	2,084938E+22	1,916673E+22	1,916652E+22	2,084891E+22	2,314137E+22
-535	2,487615E+22	2,558818E+22	2,563991E+22	2,563971E+22	2,558783E+22	2,487597E+22	2,314137E+22	2,084895E+22	1,916649E+22	1,916661E+22	2,084926E+22	2,314172E+22
-534	2,487606E+22	2,558737E+22	2,563869E+22	2,563840E+22	2,558686E+22	2,487558E+22	2,314140E+22	2,084910E+22	1,916658E+22	1,916656E+22	2,084900E+22	2,314115E+22
-533	2,487520E+22	2,558675E+22	2,563889E+22	2,563919E+22	2,558752E+22	2,487585E+22	2,314139E+22	2,084897E+22	1,916627E+22	1,916618E+22	2,084887E+22	2,314163E+22
-532	2,487639E+22	2,558796E+22	2,563954E+22	2,563968E+22	2,558803E+22	2,487612E+22	2,314129E+22	2,084855E+22	1,916586E+22	1,916601E+22	2,084886E+22	2,314141E+22
-531	2,487565E+22	2,558686E+22	2,563809E+22	2,563800E+22	2,558694E+22	2,487587E+22	2,314148E+22	2,084873E+22	1,916574E+22	1,916558E+22	2,084831E+22	2,314098E+22
-530	2,487549E+22	2,558731E+22	2,563930E+22	2,563918E+22	2,558753E+22	2,487608E+22	2,314147E+22	2,084855E+22	1,916551E+22	1,916544E+22	2,084837E+22	2,314139E+22
-529	2,487624E+22	2,558769E+22	2,563919E+22	2,563903E+22	2,558722E+22	2,487567E+22	2,314125E+22	2,084858E+22	1,916569E+22	1,916561E+22	2,084826E+22	2,314071E+22
-528	2,487509E+22	2,558642E+22	2,563789E+22	2,563823E+22	2,558715E+22	2,487573E+22	2,314111E+22	2,084841E+22	1,916554E+22	1,916546E+22	2,084823E+22	2,314090E+22
-527	2,487558E+22	2,558752E+22	2,563936E+22	2,563939E+22	2,558793E+22	2,487614E+22	2,314110E+22	2,084804E+22	1,916517E+22	1,916538E+22	2,084859E+22	2,314167E+22
-526	2,487617E+22	2,558719E+22	2,563838E+22	2,563813E+22	2,558678E+22	2,487564E+22	2,314123E+22	2,084838E+22	1,916539E+22	1,916540E+22	2,084833E+22	2,314108E+22
-525	2,487540E+22	2,558656E+22	2,563824E+22	2,563849E+22	2,558705E+22	2,487565E+22	2,314128E+22	2,084861E+22	1,916555E+22	1,916532E+22	2,084816E+22	2,314123E+22
-524	2,487636E+22	2,558816E+22	2,563959E+22	2,563946E+22	2,558776E+22	2,487592E+22	2,314117E+22	2,084842E+22	1,916564E+22	1,916572E+22	2,084858E+22	2,314125E+22
-523	2,487574E+22	2,558725E+22	2,563858E+22	2,563818E+22	2,558675E+22	2,487554E+22	2,314125E+22	2,084874E+22	1,916601E+22	1,916595E+22	2,084851E+22	2,314084E+22
-522	2,487514E+22	2,558701E+22	2,563929E+22	2,563941E+22	2,558765E+22	2,487597E+22	2,314142E+22	2,084886E+22	1,916622E+22	1,916627E+22	2,084891E+22	2,314150E+22
-521	2,487613E+22	2,558767E+22	2,563942E+22	2,563953E+22	2,558778E+22	2,487602E+22	2,314150E+22	2,084909E+22	1,916663E+22	1,916676E+22	2,084927E+22	2,314136E+22
-520	2,487534E+22	2,558646E+22	2,563791E+22	2,563825E+22	2,558723E+22	2,487599E+22	2,314169E+22	2,084940E+22	1,916687E+22	1,916677E+22	2,084915E+22	2,314134E+22
-519	2,487565E+22	2,558741E+22	2,563935E+22	2,563942E+22	2,558787E+22	2,487632E+22	2,314185E+22	2,084944E+22	1,916693E+22	1,916692E+22	2,084948E+22	2,314205E+22
-518	2,487650E+22	2,558772E+22	2,563902E+22	2,563859E+22	2,558678E+22	2,487557E+22	2,314170E+22	2,084970E+22	1,916734E+22	1,916729E+22	2,084948E+22	2,314136E+22
-517	2,487536E+22	2,558671E+22	2,563852E+22	2,563868E+22	2,558696E+22	2,487548E+22	2,314157E+22	2,084976E+22	1,916738E+22	1,916719E+22	2,084934E+22	2,314142E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-516	2,487595E+22	2,558797E+22	2,563992E+22	2,563992E+22	2,558804E+22	2,487604E+22	2,314140E+22	2,084919E+22	1,916703E+22	1,916726E+22	2,084977E+22	2,314190E+22
-515	2,487591E+22	2,558724E+22	2,563881E+22	2,563852E+22	2,558692E+22	2,487564E+22	2,314143E+22	2,084920E+22	1,916683E+22	1,916691E+22	2,084930E+22	2,314136E+22
-514	2,487534E+22	2,558673E+22	2,563884E+22	2,563918E+22	2,558757E+22	2,487602E+22	2,314163E+22	2,084920E+22	1,916659E+22	1,916655E+22	2,084906E+22	2,314159E+22
-513	2,487638E+22	2,558799E+22	2,563947E+22	2,563945E+22	2,558776E+22	2,487608E+22	2,314158E+22	2,084912E+22	1,916653E+22	1,916652E+22	2,084905E+22	2,314133E+22
-512	2,487556E+22	2,558689E+22	2,563820E+22	2,563807E+22	2,558687E+22	2,487576E+22	2,314154E+22	2,084915E+22	1,916642E+22	1,916616E+22	2,084852E+22	2,314082E+22
-511	2,487523E+22	2,558711E+22	2,563932E+22	2,563941E+22	2,558768E+22	2,487608E+22	2,314155E+22	2,084895E+22	1,916620E+22	1,916611E+22	2,084874E+22	2,314147E+22
-510	2,487619E+22	2,558753E+22	2,563906E+22	2,563892E+22	2,558710E+22	2,487556E+22	2,314122E+22	2,084879E+22	1,916622E+22	1,916633E+22	2,084892E+22	2,314107E+22
-509	2,487513E+22	2,558632E+22	2,563788E+22	2,563823E+22	2,558698E+22	2,487561E+22	2,314127E+22	2,084882E+22	1,916604E+22	1,916597E+22	2,084863E+22	2,314114E+22
-508	2,487569E+22	2,558749E+22	2,563927E+22	2,563935E+22	2,558789E+22	2,487619E+22	2,314133E+22	2,084852E+22	1,916581E+22	1,916597E+22	2,084894E+22	2,314178E+22
-507	2,487623E+22	2,558744E+22	2,563869E+22	2,563815E+22	2,558655E+22	2,487544E+22	2,314122E+22	2,084869E+22	1,916595E+22	1,916592E+22	2,084857E+22	2,314108E+22
-506	2,487542E+22	2,558672E+22	2,563857E+22	2,563874E+22	2,558705E+22	2,487558E+22	2,314133E+22	2,084891E+22	1,916620E+22	1,916608E+22	2,084855E+22	2,314109E+22
-505	2,487606E+22	2,558802E+22	2,563971E+22	2,563966E+22	2,558777E+22	2,487584E+22	2,314126E+22	2,084891E+22	1,916648E+22	1,916660E+22	2,084916E+22	2,314136E+22
-504	2,487548E+22	2,558693E+22	2,563847E+22	2,563838E+22	2,558703E+22	2,487569E+22	2,314134E+22	2,084909E+22	1,916668E+22	1,916668E+22	2,084903E+22	2,314104E+22
-503	2,487504E+22	2,558666E+22	2,563901E+22	2,563940E+22	2,558782E+22	2,487627E+22	2,314179E+22	2,084936E+22	1,916688E+22	1,916689E+22	2,084934E+22	2,314180E+22
-502	2,487635E+22	2,558766E+22	2,563917E+22	2,563913E+22	2,558738E+22	2,487588E+22	2,314169E+22	2,084957E+22	1,916731E+22	1,916644E+22	2,084977E+22	2,314164E+22
-501	2,487554E+22	2,558668E+22	2,563808E+22	2,563814E+22	2,558677E+22	2,487563E+22	2,314183E+22	2,085001E+22	1,916764E+22	1,916739E+22	2,084941E+22	2,314133E+22
-500	2,487561E+22	2,558751E+22	2,563955E+22	2,563953E+22	2,558772E+22	2,487610E+22	2,314186E+22	2,084990E+22	1,916775E+22	1,916772E+22	2,084990E+22	2,314199E+22
-499	2,487627E+22	2,558778E+22	2,563941E+22	2,563891E+22	2,558680E+22	2,487533E+22	2,314149E+22	2,084982E+22	1,916784E+22	1,916792E+22	2,084994E+22	2,314150E+22
-498	2,487528E+22	2,558664E+22	2,563865E+22	2,563899E+22	2,558726E+22	2,487564E+22	2,314159E+22	2,084981E+22	1,916774E+22	1,916777E+22	2,084979E+22	2,314154E+22
-497	2,487582E+22	2,558776E+22	2,563979E+22	2,563987E+22	2,558805E+22	2,487621E+22	2,314173E+22	2,084964E+22	1,916754E+22	1,916775E+22	2,085013E+22	2,314209E+22
-496	2,487595E+22	2,558715E+22	2,563868E+22	2,563855E+22	2,558704E+22	2,487581E+22	2,314171E+22	2,084966E+22	1,916735E+22	1,916728E+22	2,084942E+22	2,314133E+22
-495	2,487533E+22	2,558673E+22	2,563878E+22	2,563913E+22	2,558754E+22	2,487614E+22	2,314196E+22	2,084977E+22	1,916727E+22	1,916703E+22	2,084918E+22	2,314148E+22
-494	2,487630E+22	2,558802E+22	2,563950E+22	2,563930E+22	2,558739E+22	2,487577E+22	2,314160E+22	2,084955E+22	1,916726E+22	1,916729E+22	2,084955E+22	2,314139E+22
-493	2,487539E+22	2,558683E+22	2,563836E+22	2,563825E+22	2,558669E+22	2,487541E+22	2,314150E+22	2,084955E+22	1,916709E+22	1,916688E+22	2,084903E+22	2,314095E+22
-492	2,487504E+22	2,558682E+22	2,563911E+22	2,563942E+22	2,558773E+22	2,487608E+22	2,314156E+22	2,084920E+22	1,916679E+22	1,916683E+22	2,084934E+22	2,314175E+22
-491	2,487614E+22	2,558749E+22	2,563907E+22	2,563887E+22	2,558698E+22	2,487546E+22	2,314119E+22	2,084890E+22	1,916652E+22	1,916675E+22	2,084934E+22	2,314144E+22
-490	2,487543E+22	2,558650E+22	2,563795E+22	2,563823E+22	2,558690E+22	2,487556E+22	2,314131E+22	2,084897E+22	1,916640E+22	1,916639E+22	2,084886E+22	2,314114E+22
-489	2,487572E+22	2,558765E+22	2,563939E+22	2,563928E+22	2,558762E+22	2,487604E+22	2,314149E+22	2,084901E+22	1,916648E+22	1,916653E+22	2,084919E+22	2,314173E+22
-488	2,487611E+22	2,558750E+22	2,563894E+22	2,563853E+22	2,558673E+22	2,487539E+22	2,314125E+22	2,084905E+22	1,916661E+22	1,916654E+22	2,084882E+22	2,314092E+22
-487	2,487513E+22	2,558656E+22	2,563864E+22	2,563908E+22	2,558738E+22	2,487578E+22	2,314154E+22	2,084938E+22	1,916693E+22	1,916676E+22	2,084895E+22	2,314113E+22
-486	2,487585E+22	2,558777E+22	2,563954E+22	2,563959E+22	2,558776E+22	2,487592E+22	2,314147E+22	2,084934E+22	1,916718E+22	1,916740E+22	2,084982E+22	2,314168E+22
-485	2,487547E+22	2,558677E+22	2,563837E+22	2,563835E+22	2,558687E+22	2,487566E+22	2,314172E+22	2,084975E+22	1,916741E+22	1,916734E+22	2,084948E+22	2,314127E+22
-484	2,487509E+22	2,558655E+22	2,563875E+22	2,563919E+22	2,558767E+22	2,487628E+22	2,314211E+22	2,085004E+22	1,916775E+22	1,916766E+22	2,084981E+22	2,314192E+22
-483	2,487635E+22	2,558788E+22	2,563939E+22	2,563902E+22	2,558702E+22	2,487557E+22	2,314168E+22	2,084997E+22	1,916801E+22	1,916813E+22	2,085020E+22	2,314178E+22
-482	2,487560E+22	2,558690E+22	2,563841E+22	2,563835E+22	2,558665E+22	2,487537E+22	2,314171E+22	2,085023E+22	1,916829E+22	1,916821E+22	2,084990E+22	2,314132E+22
-481	2,487540E+22	2,558746E+22	2,563969E+22	2,563972E+22	2,558771E+22	2,487593E+22	2,314182E+22	2,085024E+22	1,916844E+22	1,916852E+22	2,085050E+22	2,314222E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-480	2,487616E+22	2,558760E+22	2,563938E+22	2,563921E+22	2,558716E+22	2,487548E+22	2,314150E+22	2,084998E+22	1,916826E+22	1,916842E+22	2,085030E+22	2,314168E+22
-479	2,487529E+22	2,558651E+22	2,563850E+22	2,563906E+22	2,558748E+22	2,487597E+22	2,314197E+22	2,085024E+22	1,916819E+22	1,916809E+22	2,084998E+22	2,314169E+22
-478	2,487594E+22	2,558781E+22	2,563966E+22	2,563961E+22	2,558777E+22	2,487613E+22	2,314198E+22	2,085014E+22	1,916812E+22	1,916821E+22	2,085038E+22	2,314216E+22
-477	2,487596E+22	2,558727E+22	2,563884E+22	2,563853E+22	2,558670E+22	2,487555E+22	2,314195E+22	2,085028E+22	1,916805E+22	1,916780E+22	2,084957E+22	2,314116E+22
-476	2,487509E+22	2,558665E+22	2,563881E+22	2,563923E+22	2,558749E+22	2,487601E+22	2,314205E+22	2,085025E+22	1,916806E+22	1,916782E+22	2,084963E+22	2,314141E+22
-475	2,487593E+22	2,558792E+22	2,563964E+22	2,563942E+22	2,558733E+22	2,487553E+22	2,314139E+22	2,084963E+22	1,916771E+22	1,916792E+22	2,085009E+22	2,314164E+22
-474	2,487531E+22	2,558669E+22	2,563832E+22	2,563834E+22	2,558679E+22	2,487544E+22	2,314143E+22	2,084957E+22	1,916744E+22	1,916747E+22	2,084953E+22	2,314120E+22
-473	2,487504E+22	2,558671E+22	2,563895E+22	2,563928E+22	2,558760E+22	2,487604E+22	2,314173E+22	2,084957E+22	1,916727E+22	1,916732E+22	2,084975E+22	2,314206E+22
-472	2,487632E+22	2,558753E+22	2,563898E+22	2,563890E+22	2,558704E+22	2,487544E+22	2,314129E+22	2,084923E+22	1,916699E+22	1,916710E+22	2,084946E+22	2,314146E+22
-471	2,487551E+22	2,558669E+22	2,563808E+22	2,563831E+22	2,558692E+22	2,487564E+22	2,314159E+22	2,084949E+22	1,916703E+22	1,916683E+22	2,084900E+22	2,314108E+22
-470	2,487561E+22	2,558771E+22	2,563957E+22	2,563933E+22	2,558741E+22	2,487579E+22	2,314155E+22	2,084947E+22	1,916722E+22	1,916728E+22	2,084966E+22	2,314176E+22
-469	2,487587E+22	2,558739E+22	2,563911E+22	2,563881E+22	2,558675E+22	2,487528E+22	2,314140E+22	2,084956E+22	1,916735E+22	1,916729E+22	2,084931E+22	2,314101E+22
-468	2,487487E+22	2,558624E+22	2,563838E+22	2,563908E+22	2,558754E+22	2,487598E+22	2,314180E+22	2,084986E+22	1,916769E+22	1,916761E+22	2,084957E+22	2,314134E+22
-467	2,487571E+22	2,558766E+22	2,563944E+22	2,563942E+22	2,558758E+22	2,487585E+22	2,314160E+22	2,084971E+22	1,916775E+22	1,916801E+22	2,085031E+22	2,314202E+22
-466	2,487570E+22	2,558692E+22	2,563839E+22	2,563826E+22	2,558667E+22	2,487551E+22	2,314179E+22	2,085015E+22	1,916811E+22	1,916804E+22	2,084985E+22	2,314133E+22
-465	2,487511E+22	2,558672E+22	2,563889E+22	2,563909E+22	2,558730E+22	2,487594E+22	2,314218E+22	2,085061E+22	1,916863E+22	1,916846E+22	2,085026E+22	2,314201E+22
-464	2,487628E+22	2,558792E+22	2,563964E+22	2,563940E+22	2,558716E+22	2,487537E+22	2,314158E+22	2,085028E+22	1,916869E+22	1,916883E+22	2,085059E+22	2,314180E+22
-463	2,487545E+22	2,558687E+22	2,563859E+22	2,563872E+22	2,558700E+22	2,487554E+22	2,314184E+22	2,085056E+22	1,916886E+22	1,916878E+22	2,085034E+22	2,314151E+22
-462	2,487529E+22	2,558729E+22	2,563964E+22	2,563974E+22	2,558775E+22	2,487600E+22	2,314200E+22	2,085057E+22	1,916898E+22	1,916913E+22	2,085101E+22	2,314252E+22
-461	2,487621E+22	2,558754E+22	2,563938E+22	2,563929E+22	2,558716E+22	2,487557E+22	2,314190E+22	2,085055E+22	1,916884E+22	1,916887E+22	2,085053E+22	2,314174E+22
-460	2,487529E+22	2,558646E+22	2,563831E+22	2,563889E+22	2,558745E+22	2,487607E+22	2,314231E+22	2,085086E+22	1,916896E+22	1,916872E+22	2,085025E+22	2,314158E+22
-459	2,487572E+22	2,558789E+22	2,563981E+22	2,563950E+22	2,558748E+22	2,487589E+22	2,314201E+22	2,085052E+22	1,916875E+22	1,916881E+22	2,085070E+22	2,314218E+22
-458	2,487585E+22	2,558730E+22	2,563903E+22	2,563869E+22	2,558661E+22	2,487526E+22	2,314177E+22	2,085049E+22	1,916869E+22	1,916857E+22	2,085003E+22	2,314117E+22
-457	2,487480E+22	2,558638E+22	2,563870E+22	2,563918E+22	2,558739E+22	2,487580E+22	2,314197E+22	2,085052E+22	1,916866E+22	1,916855E+22	2,085026E+22	2,314176E+22
-456	2,487588E+22	2,558764E+22	2,563941E+22	2,563949E+22	2,558754E+22	2,487558E+22	2,314136E+22	2,084971E+22	1,916801E+22	1,916833E+22	2,085047E+22	2,314197E+22
-455	2,487551E+22	2,558672E+22	2,563820E+22	2,563825E+22	2,558683E+22	2,487559E+22	2,314167E+22	2,084987E+22	1,916775E+22	1,916767E+22	2,084969E+22	2,314142E+22
-454	2,487526E+22	2,558691E+22	2,563898E+22	2,563905E+22	2,558726E+22	2,487581E+22	2,314182E+22	2,084996E+22	1,916779E+22	1,916772E+22	2,084993E+22	2,314211E+22
-453	2,487641E+22	2,558780E+22	2,563933E+22	2,563906E+22	2,558684E+22	2,487522E+22	2,314145E+22	2,084975E+22	1,916764E+22	1,916758E+22	2,084954E+22	2,314123E+22
-452	2,487524E+22	2,558664E+22	2,563823E+22	2,563858E+22	2,558708E+22	2,487563E+22	2,314173E+22	2,085000E+22	1,916786E+22	1,916764E+22	2,084940E+22	2,314091E+22
-451	2,487513E+22	2,558754E+22	2,563971E+22	2,563952E+22	2,558753E+22	2,487577E+22	2,314157E+22	2,084976E+22	1,916782E+22	1,916798E+22	2,085019E+22	2,314196E+22
-450	2,487572E+22	2,558718E+22	2,563905E+22	2,563890E+22	2,558690E+22	2,487541E+22	2,314154E+22	2,084990E+22	1,916801E+22	1,916807E+22	2,084985E+22	2,314121E+22
-449	2,487478E+22	2,558604E+22	2,563814E+22	2,563883E+22	2,558737E+22	2,487597E+22	2,314212E+22	2,085050E+22	1,916851E+22	1,916838E+22	2,085014E+22	2,314170E+22
-448	2,487585E+22	2,558761E+22	2,563930E+22	2,563936E+22	2,558755E+22	2,487577E+22	2,314172E+22	2,085019E+22	1,916848E+22	1,916866E+22	2,085064E+22	2,314215E+22
-447	2,487581E+22	2,558713E+22	2,563858E+22	2,563830E+22	2,558658E+22	2,487543E+22	2,314195E+22	2,085068E+22	1,916888E+22	1,916871E+22	2,085024E+22	2,314146E+22
-446	2,487508E+22	2,558681E+22	2,563913E+22	2,563921E+22	2,558710E+22	2,487556E+22	2,314205E+22	2,085099E+22	1,916941E+22	1,916933E+22	2,085088E+22	2,314225E+22
-445	2,487620E+22	2,558787E+22	2,563981E+22	2,563968E+22	2,558724E+22	2,487531E+22	2,314165E+22	2,085063E+22	1,916931E+22	1,916952E+22	2,085106E+22	2,314198E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-444	2,487535E+22	2,558667E+22	2,563848E+22	2,563880E+22	2,558724E+22	2,487581E+22	2,314212E+22	2,085096E+22	1,916947E+22	1,916944E+22	2,085080E+22	2,314165E+22
-443	2,487522E+22	2,558730E+22	2,563964E+22	2,563961E+22	2,558761E+22	2,487598E+22	2,314216E+22	2,085090E+22	1,916940E+22	1,916951E+22	2,085125E+22	2,314265E+22
-442	2,487632E+22	2,558767E+22	2,563944E+22	2,563923E+22	2,558704E+22	2,487549E+22	2,314198E+22	2,085095E+22	1,916948E+22	1,916943E+22	2,085069E+22	2,314160E+22
-441	2,487511E+22	2,558647E+22	2,563839E+22	2,563878E+22	2,558719E+22	2,487585E+22	2,314241E+22	2,085139E+22	1,916975E+22	1,916944E+22	2,085061E+22	2,314158E+22
-440	2,487549E+22	2,558764E+22	2,563981E+22	2,563973E+22	2,558762E+22	2,487573E+22	2,314188E+22	2,085075E+22	1,916932E+22	1,916942E+22	2,085105E+22	2,314222E+22
-439	2,487569E+22	2,558713E+22	2,563901E+22	2,563882E+22	2,558680E+22	2,487539E+22	2,314187E+22	2,085074E+22	1,916913E+22	1,916904E+22	2,085048E+22	2,314148E+22
-438	2,487479E+22	2,558622E+22	2,563858E+22	2,563902E+22	2,558720E+22	2,487567E+22	2,314201E+22	2,085077E+22	1,916909E+22	1,916905E+22	2,085072E+22	2,314214E+22
-437	2,487609E+22	2,558767E+22	2,563943E+22	2,563942E+22	2,558736E+22	2,487553E+22	2,314162E+22	2,085014E+22	1,916847E+22	1,916868E+22	2,085061E+22	2,314203E+22
-436	2,487562E+22	2,558685E+22	2,563824E+22	2,563818E+22	2,558679E+22	2,487564E+22	2,314191E+22	2,085036E+22	1,916841E+22	1,916822E+22	2,084986E+22	2,314124E+22
-435	2,487510E+22	2,558713E+22	2,563933E+22	2,563910E+22	2,558706E+22	2,487558E+22	2,314179E+22	2,085028E+22	1,916837E+22	1,916828E+22	2,085016E+22	2,314202E+22
-434	2,487623E+22	2,558781E+22	2,563964E+22	2,563941E+22	2,558699E+22	2,487509E+22	2,314131E+22	2,085003E+22	1,916837E+22	1,916838E+22	2,084996E+22	2,314117E+22
-433	2,487488E+22	2,558631E+22	2,563815E+22	2,563863E+22	2,558718E+22	2,487566E+22	2,314182E+22	2,085043E+22	1,916863E+22	1,916851E+22	2,085008E+22	2,314123E+22
-432	2,487498E+22	2,558706E+22	2,563940E+22	2,563958E+22	2,558777E+22	2,487593E+22	2,314173E+22	2,085010E+22	1,916839E+22	1,916860E+22	2,085065E+22	2,314227E+22
-431	2,487586E+22	2,558714E+22	2,563890E+22	2,563874E+22	2,558686E+22	2,487554E+22	2,314189E+22	2,085045E+22	1,916862E+22	1,916857E+22	2,085025E+22	2,314153E+22
-430	2,487496E+22	2,558616E+22	2,563815E+22	2,563853E+22	2,558690E+22	2,487563E+22	2,314219E+22	2,085104E+22	1,916931E+22	1,916910E+22	2,085058E+22	2,314191E+22
-429	2,487600E+22	2,558785E+22	2,563964E+22	2,563945E+22	2,558728E+22	2,487550E+22	2,314182E+22	2,085070E+22	1,916927E+22	1,916940E+22	2,085098E+22	2,314212E+22
-428	2,487570E+22	2,558716E+22	2,563881E+22	2,563856E+22	2,558672E+22	2,487538E+22	2,314196E+22	2,085107E+22	1,916967E+22	1,916957E+22	2,085074E+22	2,314142E+22
-427	2,487481E+22	2,558678E+22	2,563932E+22	2,563940E+22	2,558723E+22	2,487556E+22	2,314201E+22	2,085116E+22	1,916990E+22	1,916994E+22	2,085136E+22	2,314249E+22
-426	2,487620E+22	2,558780E+22	2,563989E+22	2,563988E+22	2,558747E+22	2,487544E+22	2,314174E+22	2,085094E+22	1,916989E+22	1,917011E+22	2,085140E+22	2,314207E+22
-425	2,487527E+22	2,558651E+22	2,563832E+22	2,563863E+22	2,558717E+22	2,487589E+22	2,314247E+22	2,085159E+22	1,917021E+22	1,917006E+22	2,085116E+22	2,314180E+22
-424	2,487520E+22	2,558712E+22	2,563953E+22	2,563961E+22	2,558763E+22	2,487601E+22	2,314237E+22	2,085140E+22	1,917008E+22	1,917005E+22	2,085142E+22	2,314256E+22
-423	2,487625E+22	2,558774E+22	2,563960E+22	2,563924E+22	2,558692E+22	2,487544E+22	2,314219E+22	2,085146E+22	1,917016E+22	1,917003E+22	2,085105E+22	2,314164E+22
-422	2,487490E+22	2,558634E+22	2,563845E+22	2,563874E+22	2,558692E+22	2,487547E+22	2,314227E+22	2,085171E+22	1,917046E+22	1,917024E+22	2,085122E+22	2,314185E+22
-421	2,487545E+22	2,558747E+22	2,563978E+22	2,563974E+22	2,558758E+22	2,487568E+22	2,314191E+22	2,085095E+22	1,916980E+22	1,917000E+22	2,085149E+22	2,314245E+22
-420	2,487573E+22	2,558698E+22	2,563884E+22	2,563873E+22	2,558685E+22	2,487550E+22	2,314201E+22	2,085100E+22	1,916958E+22	1,916956E+22	2,085084E+22	2,314163E+22
-419	2,487491E+22	2,558639E+22	2,563865E+22	2,563888E+22	2,558697E+22	2,487550E+22	2,314200E+22	2,085095E+22	1,916940E+22	1,916933E+22	2,085088E+22	2,314227E+22
-418	2,487630E+22	2,558794E+22	2,563970E+22	2,563951E+22	2,558727E+22	2,487535E+22	2,314155E+22	2,085044E+22	1,916905E+22	1,916914E+22	2,085068E+22	2,314180E+22
-417	2,487541E+22	2,558689E+22	2,563851E+22	2,563830E+22	2,558671E+22	2,487551E+22	2,314200E+22	2,085083E+22	1,916914E+22	1,916892E+22	2,085021E+22	2,314117E+22
-416	2,487478E+22	2,558678E+22	2,563938E+22	2,563950E+22	2,558740E+22	2,487564E+22	2,314180E+22	2,085055E+22	1,916895E+22	1,916891E+22	2,085051E+22	2,314197E+22
-415	2,487596E+22	2,558755E+22	2,563959E+22	2,563955E+22	2,558730E+22	2,487543E+22	2,314162E+22	2,085042E+22	1,916891E+22	1,916898E+22	2,085050E+22	2,314148E+22
-414	2,487480E+22	2,558604E+22	2,563795E+22	2,563841E+22	2,558700E+22	2,487563E+22	2,314204E+22	2,085092E+22	1,916933E+22	1,916924E+22	2,085068E+22	2,314167E+22
-413	2,487522E+22	2,558700E+22	2,563922E+22	2,563930E+22	2,558750E+22	2,487591E+22	2,314206E+22	2,085068E+22	1,916912E+22	1,916922E+22	2,085098E+22	2,314241E+22
-412	2,487602E+22	2,558725E+22	2,563891E+22	2,563858E+22	2,558667E+22	2,487547E+22	2,314209E+22	2,085104E+22	1,916950E+22	1,916940E+22	2,085066E+22	2,314151E+22
-411	2,487495E+22	2,558644E+22	2,563853E+22	2,563858E+22	2,558655E+22	2,487518E+22	2,314201E+22	2,085132E+22	1,916998E+22	1,916983E+22	2,085103E+22	2,314201E+22
-410	2,487595E+22	2,558792E+22	2,563998E+22	2,563980E+22	2,558737E+22	2,487524E+22	2,314156E+22	2,085092E+22	1,917001E+22	1,917022E+22	2,085147E+22	2,314217E+22
-409	2,487547E+22	2,558696E+22	2,563885E+22	2,563872E+22	2,558689E+22	2,487548E+22	2,314206E+22	2,085140E+22	1,917033E+22	1,917034E+22	2,085134E+22	2,314173E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \ominus	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-408	2,487478E+22	2,558645E+22	2,563915E+22	2,563954E+22	2,558749E+22	2,487577E+22	2,314222E+22	2,085148E+22	1,917037E+22	1,917040E+22	2,085162E+22	2,314258E+22
-407	2,487630E+22	2,558785E+22	2,563987E+22	2,563981E+22	2,558750E+22	2,487567E+22	2,314218E+22	2,085152E+22	1,917045E+22	1,917051E+22	2,085163E+22	2,314216E+22
-406	2,487527E+22	2,558656E+22	2,563840E+22	2,563845E+22	2,558677E+22	2,487562E+22	2,314260E+22	2,085219E+22	1,917104E+22	1,917076E+22	2,085150E+22	2,314184E+22
-405	2,487514E+22	2,558708E+22	2,563967E+22	2,563965E+22	2,558742E+22	2,487583E+22	2,314251E+22	2,085190E+22	1,917085E+22	1,917078E+22	2,085175E+22	2,314244E+22
-404	2,487599E+22	2,558755E+22	2,563963E+22	2,563939E+22	2,558702E+22	2,487543E+22	2,314222E+22	2,085181E+22	1,917089E+22	1,917087E+22	2,085160E+22	2,314167E+22
-403	2,487471E+22	2,558625E+22	2,563847E+22	2,563874E+22	2,558684E+22	2,487535E+22	2,314216E+22	2,085178E+22	1,917082E+22	1,917079E+22	2,085173E+22	2,314219E+22
-402	2,487559E+22	2,558747E+22	2,563979E+22	2,563979E+22	2,558759E+22	2,487563E+22	2,314187E+22	2,085116E+22	1,917026E+22	1,917048E+22	2,085179E+22	2,314260E+22
-401	2,487582E+22	2,558699E+22	2,563880E+22	2,563861E+22	2,558675E+22	2,487550E+22	2,314219E+22	2,085141E+22	1,917013E+22	1,917004E+22	2,085113E+22	2,314175E+22
-400	2,487497E+22	2,558635E+22	2,563872E+22	2,563903E+22	2,558703E+22	2,487550E+22	2,314210E+22	2,085127E+22	1,916988E+22	1,916972E+22	2,085095E+22	2,314210E+22
-399	2,487620E+22	2,558807E+22	2,563999E+22	2,563974E+22	2,558734E+22	2,487541E+22	2,314175E+22	2,085087E+22	1,916959E+22	1,916966E+22	2,085101E+22	2,314179E+22
-398	2,487512E+22	2,558665E+22	2,563855E+22	2,563840E+22	2,558664E+22	2,487535E+22	2,314199E+22	2,085121E+22	1,916986E+22	1,916971E+22	2,085082E+22	2,314143E+22
-397	2,487469E+22	2,558646E+22	2,563919E+22	2,563946E+22	2,558746E+22	2,487584E+22	2,314207E+22	2,085091E+22	1,916954E+22	1,916958E+22	2,085099E+22	2,314217E+22
-396	2,487594E+22	2,558734E+22	2,563933E+22	2,563934E+22	2,558723E+22	2,487558E+22	2,314193E+22	2,085090E+22	1,916956E+22	1,916965E+22	2,085094E+22	2,314162E+22
-395	2,487493E+22	2,558619E+22	2,563792E+22	2,563811E+22	2,558656E+22	2,487534E+22	2,314205E+22	2,085127E+22	1,916989E+22	1,916976E+22	2,085100E+22	2,314186E+22
-394	2,487547E+22	2,558733E+22	2,563950E+22	2,563933E+22	2,558722E+22	2,487553E+22	2,314190E+22	2,085108E+22	1,916992E+22	1,916992E+22	2,085124E+22	2,314230E+22
-393	2,487590E+22	2,558733E+22	2,563918E+22	2,563875E+22	2,558655E+22	2,487521E+22	2,314204E+22	2,085145E+22	1,917031E+22	1,917024E+22	2,085118E+22	2,314158E+22
-392	2,487475E+22	2,558621E+22	2,563870E+22	2,563907E+22	2,558690E+22	2,487522E+22	2,314196E+22	2,085152E+22	1,917052E+22	1,917047E+22	2,085144E+22	2,314206E+22
-391	2,487581E+22	2,558783E+22	2,564010E+22	2,564006E+22	2,558768E+22	2,487560E+22	2,314188E+22	2,085130E+22	1,917048E+22	1,917076E+22	2,085197E+22	2,314242E+22
-390	2,487537E+22	2,558675E+22	2,563878E+22	2,563867E+22	2,558680E+22	2,487554E+22	2,314238E+22	2,085197E+22	1,917105E+22	1,917101E+22	2,085181E+22	2,314200E+22
-389	2,487491E+22	2,558638E+22	2,563901E+22	2,563937E+22	2,558739E+22	2,487595E+22	2,314267E+22	2,085213E+22	1,917114E+22	1,917103E+22	2,085185E+22	2,314249E+22
-388	2,487621E+22	2,558787E+22	2,563988E+22	2,563970E+22	2,558735E+22	2,487569E+22	2,314248E+22	2,085219E+22	1,917138E+22	1,917135E+22	2,085199E+22	2,314202E+22
-387	2,487510E+22	2,558664E+22	2,563860E+22	2,563847E+22	2,558644E+22	2,487521E+22	2,314247E+22	2,085251E+22	1,917175E+22	1,917155E+22	2,085205E+22	2,314200E+22
-386	2,487507E+22	2,558701E+22	2,563975E+22	2,563984E+22	2,558741E+22	2,487554E+22	2,314223E+22	2,085212E+22	1,917156E+22	1,917158E+22	2,085231E+22	2,314262E+22
-385	2,487584E+22	2,558730E+22	2,563948E+22	2,563937E+22	2,558704E+22	2,487544E+22	2,314225E+22	2,085203E+22	1,917138E+22	1,917153E+22	2,085224E+22	2,314211E+22
-384	2,487484E+22	2,558605E+22	2,563833E+22	2,563882E+22	2,558691E+22	2,487541E+22	2,314223E+22	2,085190E+22	1,917104E+22	1,917104E+22	2,085193E+22	2,314234E+22
-383	2,487582E+22	2,558771E+22	2,563989E+22	2,563976E+22	2,558753E+22	2,487573E+22	2,314214E+22	2,085152E+22	1,917057E+22	1,917070E+22	2,085193E+22	2,314264E+22
-382	2,487582E+22	2,558715E+22	2,563904E+22	2,563864E+22	2,558647E+22	2,487527E+22	2,314226E+22	2,085184E+22	1,917076E+22	1,917057E+22	2,085134E+22	2,314171E+22
-381	2,487490E+22	2,558636E+22	2,563886E+22	2,563916E+22	2,558701E+22	2,487551E+22	2,314226E+22	2,085166E+22	1,917051E+22	1,917030E+22	2,085116E+22	2,314184E+22
-380	2,487581E+22	2,558782E+22	2,563997E+22	2,563993E+22	2,558757E+22	2,487560E+22	2,314196E+22	2,085129E+22	1,917028E+22	1,917039E+22	2,085143E+22	2,314175E+22
-379	2,487489E+22	2,558649E+22	2,563847E+22	2,563837E+22	2,558652E+22	2,487528E+22	2,314205E+22	2,085146E+22	1,917033E+22	1,917029E+22	2,085132E+22	2,314174E+22
-378	2,487478E+22	2,558634E+22	2,563900E+22	2,563934E+22	2,558730E+22	2,487570E+22	2,314213E+22	2,085136E+22	1,917024E+22	1,917020E+22	2,085137E+22	2,314231E+22
-377	2,487597E+22	2,558732E+22	2,563919E+22	2,563911E+22	2,558699E+22	2,487549E+22	2,314213E+22	2,085144E+22	1,917033E+22	1,917038E+22	2,085142E+22	2,314182E+22
-376	2,487500E+22	2,558623E+22	2,563806E+22	2,563824E+22	2,558641E+22	2,487512E+22	2,314203E+22	2,085159E+22	1,917050E+22	1,917037E+22	2,085129E+22	2,314181E+22
-375	2,487544E+22	2,558754E+22	2,563988E+22	2,563963E+22	2,558723E+22	2,487541E+22	2,314193E+22	2,085143E+22	1,917051E+22	1,917061E+22	2,085177E+22	2,314242E+22
-374	2,487568E+22	2,558720E+22	2,563934E+22	2,563903E+22	2,558660E+22	2,487506E+22	2,314196E+22	2,085176E+22	1,917102E+22	1,917107E+22	2,085183E+22	2,314189E+22
-373	2,487474E+22	2,558602E+22	2,563858E+22	2,563912E+22	2,558709E+22	2,487554E+22	2,314228E+22	2,085190E+22	1,917110E+22	1,917109E+22	2,085185E+22	2,314217E+22

1 Longitude \ominus Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-372	2,487575E+22	2,558769E+22	2,563996E+22	2,564002E+22	2,558776E+22	2,487589E+22	2,314236E+22	2,085193E+22	1,917120E+22	1,917139E+22	2,085229E+22	2,314244E+22
-371	2,487543E+22	2,558689E+22	2,563880E+22	2,563852E+22	2,558647E+22	2,487535E+22	2,314254E+22	2,085249E+22	1,917175E+22	1,917162E+22	2,085213E+22	2,314208E+22
-370	2,487497E+22	2,558654E+22	2,563916E+22	2,563941E+22	2,558716E+22	2,487564E+22	2,314265E+22	2,085269E+22	1,917208E+22	1,917184E+22	2,085220E+22	2,314236E+22
-369	2,487592E+22	2,558775E+22	2,563995E+22	2,563981E+22	2,558727E+22	2,487551E+22	2,314249E+22	2,085263E+22	1,917221E+22	1,917227E+22	2,085265E+22	2,314219E+22
-368	2,487488E+22	2,558633E+22	2,563859E+22	2,563877E+22	2,558663E+22	2,487518E+22	2,314238E+22	2,085265E+22	1,917221E+22	1,917216E+22	2,085253E+22	2,314222E+22
-367	2,487509E+22	2,558700E+22	2,563979E+22	2,563994E+22	2,558751E+22	2,487569E+22	2,314243E+22	2,085235E+22	1,917186E+22	1,917200E+22	2,085281E+22	2,314299E+22
-366	2,487593E+22	2,558724E+22	2,563938E+22	2,563927E+22	2,558686E+22	2,487533E+22	2,314239E+22	2,085241E+22	1,917188E+22	1,917198E+22	2,085258E+22	2,314241E+22
-365	2,487511E+22	2,558621E+22	2,563830E+22	2,563868E+22	2,558684E+22	2,487555E+22	2,314254E+22	2,085234E+22	1,917155E+22	1,917141E+22	2,085199E+22	2,314217E+22
-364	2,487573E+22	2,558786E+22	2,564010E+22	2,563981E+22	2,558743E+22	2,487573E+22	2,314239E+22	2,085203E+22	1,917124E+22	1,917126E+22	2,085207E+22	2,314235E+22
-363	2,487555E+22	2,558720E+22	2,563925E+22	2,563880E+22	2,558630E+22	2,487495E+22	2,314215E+22	2,085211E+22	1,917133E+22	1,917119E+22	2,085173E+22	2,314173E+22
-362	2,487470E+22	2,558618E+22	2,563883E+22	2,563936E+22	2,558713E+22	2,487537E+22	2,314212E+22	2,085194E+22	1,917119E+22	1,917101E+22	2,085162E+22	2,314190E+22
-361	2,487551E+22	2,558744E+22	2,563966E+22	2,563981E+22	2,558758E+22	2,487569E+22	2,314213E+22	2,085163E+22	1,917085E+22	1,917107E+22	2,085203E+22	2,314212E+22
-360	2,487493E+22	2,558625E+22	2,563825E+22	2,563832E+22	2,558644E+22	2,487523E+22	2,314217E+22	2,085176E+22	1,917075E+22	1,917069E+22	2,085161E+22	2,314193E+22
-359	2,487499E+22	2,558661E+22	2,563911E+22	2,563924E+22	2,558705E+22	2,487557E+22	2,314230E+22	2,085178E+22	1,917074E+22	1,917067E+22	2,085172E+22	2,314243E+22
-358	2,487596E+22	2,558746E+22	2,563941E+22	2,563915E+22	2,558665E+22	2,487510E+22	2,314208E+22	2,085187E+22	1,917109E+22	1,917112E+22	2,085186E+22	2,314195E+22
-357	2,487499E+22	2,558630E+22	2,563826E+22	2,563846E+22	2,558653E+22	2,487516E+22	2,314209E+22	2,085190E+22	1,917114E+22	1,917106E+22	2,085166E+22	2,314173E+22
-356	2,487516E+22	2,558742E+22	2,563998E+22	2,563991E+22	2,558753E+22	2,487565E+22	2,314216E+22	2,085183E+22	1,917119E+22	1,917135E+22	2,085222E+22	2,314248E+22
-355	2,487557E+22	2,558712E+22	2,563934E+22	2,563913E+22	2,558663E+22	2,487511E+22	2,314214E+22	2,085212E+22	1,917158E+22	1,917168E+22	2,085231E+22	2,314219E+22
-354	2,487487E+22	2,558600E+22	2,563847E+22	2,563912E+22	2,558708E+22	2,487552E+22	2,314251E+22	2,085254E+22	1,917195E+22	1,917177E+22	2,085218E+22	2,314220E+22
-353	2,487563E+22	2,558760E+22	2,563984E+22	2,563986E+22	2,558762E+22	2,487591E+22	2,314271E+22	2,085264E+22	1,917213E+22	1,917222E+22	2,085278E+22	2,314256E+22
-352	2,487534E+22	2,558682E+22	2,563892E+22	2,563865E+22	2,558631E+22	2,487514E+22	2,314262E+22	2,085297E+22	1,917251E+22	1,917235E+22	2,085254E+22	2,314210E+22
-351	2,487486E+22	2,558660E+22	2,563935E+22	2,563956E+22	2,558710E+22	2,487546E+22	2,314268E+22	2,085306E+22	1,917273E+22	1,917263E+22	2,085289E+22	2,314261E+22
-350	2,487572E+22	2,558754E+22	2,563992E+22	2,563987E+22	2,558721E+22	2,487532E+22	2,314240E+22	2,085288E+22	1,917285E+22	1,917306E+22	2,085335E+22	2,314268E+22
-349	2,487506E+22	2,558628E+22	2,563842E+22	2,563862E+22	2,558666E+22	2,487536E+22	2,314254E+22	2,085284E+22	1,917258E+22	1,917259E+22	2,085285E+22	2,314239E+22
-348	2,487519E+22	2,558708E+22	2,563976E+22	2,563985E+22	2,558746E+22	2,487578E+22	2,314271E+22	2,085279E+22	1,917235E+22	1,917237E+22	2,085291E+22	2,314297E+22
-347	2,487608E+22	2,558754E+22	2,563958E+22	2,563926E+22	2,558658E+22	2,487503E+22	2,314237E+22	2,085272E+22	1,917235E+22	1,917233E+22	2,085266E+22	2,314234E+22
-346	2,487510E+22	2,558640E+22	2,563858E+22	2,563888E+22	2,558673E+22	2,487522E+22	2,314246E+22	2,085278E+22	1,917229E+22	1,917197E+22	2,085211E+22	2,314185E+22
-345	2,487523E+22	2,558761E+22	2,564016E+22	2,564004E+22	2,558757E+22	2,487573E+22	2,314248E+22	2,085243E+22	1,917193E+22	1,917200E+22	2,085255E+22	2,314237E+22
-344	2,487515E+22	2,558677E+22	2,563919E+22	2,563906E+22	2,558653E+22	2,487503E+22	2,314220E+22	2,085230E+22	1,917175E+22	1,917171E+22	2,085214E+22	2,314188E+22
-343	2,487460E+22	2,558604E+22	2,563869E+22	2,563930E+22	2,558718E+22	2,487553E+22	2,314240E+22	2,085228E+22	1,917158E+22	1,917153E+22	2,085217E+22	2,314225E+22
-342	2,487551E+22	2,558726E+22	2,563941E+22	2,563957E+22	2,558733E+22	2,487555E+22	2,314227E+22	2,085210E+22	1,917151E+22	1,917168E+22	2,085250E+22	2,314249E+22
-341	2,487521E+22	2,558640E+22	2,563815E+22	2,563805E+22	2,558627E+22	2,487526E+22	2,314236E+22	2,085218E+22	1,917138E+22	1,917124E+22	2,085184E+22	2,314190E+22
-340	2,487496E+22	2,558682E+22	2,563939E+22	2,563933E+22	2,558691E+22	2,487540E+22	2,314243E+22	2,085228E+22	1,917150E+22	1,917138E+22	2,085203E+22	2,314238E+22
-339	2,487586E+22	2,558757E+22	2,563969E+22	2,563941E+22	2,558656E+22	2,487474E+22	2,314188E+22	2,085211E+22	1,917170E+22	1,917183E+22	2,085238E+22	2,314215E+22
-338	2,487493E+22	2,558626E+22	2,563835E+22	2,563874E+22	2,558672E+22	2,487509E+22	2,314206E+22	2,085226E+22	1,917185E+22	1,917178E+22	2,085214E+22	2,314185E+22
-337	2,487495E+22	2,558715E+22	2,563980E+22	2,563990E+22	2,558766E+22	2,487589E+22	2,314251E+22	2,085233E+22	1,917185E+22	1,917203E+22	2,085274E+22	2,314275E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-336	2,487556E+22	2,558696E+22	2,563926E+22	2,563916E+22	2,558663E+22	2,487516E+22	2,314242E+22	2,085263E+22	1,917218E+22	1,917217E+22	2,085255E+22	2,314226E+22
-335	2,487497E+22	2,558626E+22	2,563862E+22	2,563905E+22	2,558692E+22	2,487548E+22	2,314279E+22	2,085314E+22	1,917268E+22	1,917245E+22	2,085261E+22	2,314225E+22
-334	2,487544E+22	2,558754E+22	2,563994E+22	2,563986E+22	2,558733E+22	2,487556E+22	2,314272E+22	2,085320E+22	1,917307E+22	1,917313E+22	2,085333E+22	2,314273E+22
-333	2,487526E+22	2,558675E+22	2,563894E+22	2,563873E+22	2,558641E+22	2,487516E+22	2,314266E+22	2,085331E+22	1,917322E+22	1,917314E+22	2,085304E+22	2,314217E+22
-332	2,487467E+22	2,558648E+22	2,563941E+22	2,563969E+22	2,558719E+22	2,487552E+22	2,314281E+22	2,085341E+22	1,917334E+22	1,917330E+22	2,085335E+22	2,314282E+22
-331	2,487576E+22	2,558750E+22	2,563988E+22	2,563983E+22	2,558707E+22	2,487517E+22	2,314242E+22	2,085312E+22	1,917328E+22	1,917354E+22	2,085375E+22	2,314301E+22
-330	2,487530E+22	2,558643E+22	2,563845E+22	2,563863E+22	2,558661E+22	2,487523E+22	2,314262E+22	2,085330E+22	1,917320E+22	1,917303E+22	2,085299E+22	2,314233E+22
-329	2,487511E+22	2,558712E+22	2,563981E+22	2,563979E+22	2,558737E+22	2,487578E+22	2,314292E+22	2,085328E+22	1,917301E+22	1,917294E+22	2,085315E+22	2,314291E+22
-328	2,487587E+22	2,558747E+22	2,563982E+22	2,563954E+22	2,558660E+22	2,487488E+22	2,314238E+22	2,085304E+22	1,917289E+22	1,917283E+22	2,085286E+22	2,314220E+22
-327	2,487486E+22	2,558637E+22	2,563875E+22	2,563912E+22	2,558687E+22	2,487519E+22	2,314249E+22	2,085305E+22	1,917279E+22	1,917263E+22	2,085267E+22	2,314199E+22
-326	2,487485E+22	2,558713E+22	2,563992E+22	2,564001E+22	2,558761E+22	2,487571E+22	2,314252E+22	2,085272E+22	1,917252E+22	1,917269E+22	2,085316E+22	2,314279E+22
-325	2,487524E+22	2,558656E+22	2,563883E+22	2,563875E+22	2,558655E+22	2,487529E+22	2,314247E+22	2,085261E+22	1,917218E+22	1,917217E+22	2,085248E+22	2,314209E+22
-324	2,487471E+22	2,558609E+22	2,563860E+22	2,563903E+22	2,558694E+22	2,487549E+22	2,314268E+22	2,085279E+22	1,917218E+22	1,917199E+22	2,085235E+22	2,314235E+22
-323	2,487573E+22	2,558754E+22	2,563957E+22	2,563941E+22	2,558691E+22	2,487512E+22	2,314218E+22	2,085244E+22	1,917210E+22	1,917221E+22	2,085275E+22	2,314259E+22
-322	2,487534E+22	2,558668E+22	2,563851E+22	2,563827E+22	2,558615E+22	2,487485E+22	2,314219E+22	2,085258E+22	1,917213E+22	1,917191E+22	2,085211E+22	2,314175E+22
-321	2,487464E+22	2,558669E+22	2,563956E+22	2,563963E+22	2,558712E+22	2,487541E+22	2,314245E+22	2,085262E+22	1,917218E+22	1,917214E+22	2,085256E+22	2,314251E+22
-320	2,487560E+22	2,558731E+22	2,563981E+22	2,563976E+22	2,558687E+22	2,487489E+22	2,314199E+22	2,085236E+22	1,917216E+22	1,917235E+22	2,085277E+22	2,314232E+22
-319	2,487491E+22	2,558621E+22	2,563837E+22	2,563880E+22	2,558685E+22	2,487531E+22	2,314244E+22	2,085275E+22	1,917241E+22	1,917239E+22	2,085265E+22	2,314208E+22
-318	2,487484E+22	2,558693E+22	2,563963E+22	2,563976E+22	2,558754E+22	2,487589E+22	2,314284E+22	2,085303E+22	1,917274E+22	1,917280E+22	2,085319E+22	2,314297E+22
-317	2,487568E+22	2,558706E+22	2,563920E+22	2,563890E+22	2,558650E+22	2,487524E+22	2,314270E+22	2,085324E+22	1,917304E+22	1,917293E+22	2,085287E+22	2,314216E+22
-316	2,487478E+22	2,558631E+22	2,563883E+22	2,563907E+22	2,558672E+22	2,487528E+22	2,314293E+22	2,085375E+22	1,917362E+22	1,917334E+22	2,085306E+22	2,314230E+22
-315	2,487533E+22	2,558746E+22	2,564005E+22	2,563999E+22	2,558721E+22	2,487517E+22	2,314246E+22	2,085343E+22	1,917377E+22	1,917397E+22	2,085399E+22	2,314309E+22
-314	2,487532E+22	2,558667E+22	2,563894E+22	2,563883E+22	2,558645E+22	2,487497E+22	2,314254E+22	2,085359E+22	1,917384E+22	1,917382E+22	2,085355E+22	2,314242E+22
-313	2,487464E+22	2,558632E+22	2,563929E+22	2,563963E+22	2,558722E+22	2,487561E+22	2,314300E+22	2,085376E+22	1,917384E+22	1,917385E+22	2,085379E+22	2,314310E+22
-312	2,487586E+22	2,558753E+22	2,564000E+22	2,563989E+22	2,558701E+22	2,487511E+22	2,314253E+22	2,085343E+22	1,917367E+22	1,917382E+22	2,085383E+22	2,314298E+22
-311	2,487539E+22	2,558673E+22	2,563879E+22	2,563873E+22	2,558655E+22	2,487518E+22	2,314278E+22	2,085368E+22	1,917371E+22	1,917353E+22	2,085323E+22	2,314220E+22
-310	2,487479E+22	2,558696E+22	2,563995E+22	2,563994E+22	2,558734E+22	2,487563E+22	2,314296E+22	2,085371E+22	1,917374E+22	1,917363E+22	2,085350E+22	2,314289E+22
-309	2,487566E+22	2,558726E+22	2,563972E+22	2,563960E+22	2,558688E+22	2,487514E+22	2,314251E+22	2,085333E+22	1,917345E+22	1,917343E+22	2,085321E+22	2,314217E+22
-308	2,487457E+22	2,558611E+22	2,563866E+22	2,563909E+22	2,558696E+22	2,487539E+22	2,314278E+22	2,085347E+22	1,917337E+22	1,917320E+22	2,085305E+22	2,314223E+22
-307	2,487493E+22	2,558693E+22	2,563968E+22	2,563977E+22	2,558737E+22	2,487555E+22	2,314259E+22	2,085305E+22	1,917301E+22	1,917320E+22	2,085356E+22	2,314315E+22
-306	2,487554E+22	2,558668E+22	2,563878E+22	2,563857E+22	2,558629E+22	2,487503E+22	2,314253E+22	2,085313E+22	1,917287E+22	1,917271E+22	2,085272E+22	2,314212E+22
-305	2,487473E+22	2,558620E+22	2,563872E+22	2,563893E+22	2,558670E+22	2,487531E+22	2,314274E+22	2,085322E+22	1,917287E+22	1,917266E+22	2,085272E+22	2,314239E+22
-304	2,487560E+22	2,558758E+22	2,563995E+22	2,563971E+22	2,558683E+22	2,487482E+22	2,314205E+22	2,085267E+22	1,917264E+22	1,917279E+22	2,085307E+22	2,314258E+22
-303	2,487523E+22	2,558676E+22	2,563886E+22	2,563864E+22	2,558639E+22	2,487485E+22	2,314214E+22	2,085274E+22	1,917263E+22	1,917262E+22	2,085270E+22	2,314192E+22
-302	2,487439E+22	2,558634E+22	2,563943E+22	2,563969E+22	2,558726E+22	2,487552E+22	2,314257E+22	2,085295E+22	1,917279E+22	1,917282E+22	2,085307E+22	2,314282E+22
-301	2,487570E+22	2,558717E+22	2,563954E+22	2,563959E+22	2,558705E+22	2,487527E+22	2,314237E+22	2,085282E+22	1,917274E+22	1,917286E+22	2,085303E+22	2,314238E+22

1 Longitude ⊙	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
Years												
-300	2,487492E+22	2,558627E+22	2,563844E+22	2,563866E+22	2,558669E+22	2,487534E+22	2,314282E+22	2,085346E+22	1,917324E+22	1,917301E+22	2,085286E+22	2,314210E+22
-299	2,487488E+22	2,558694E+22	2,563969E+22	2,563962E+22	2,558715E+22	2,487551E+22	2,314283E+22	2,085355E+22	1,917361E+22	1,917360E+22	2,085360E+22	2,314303E+22
-298	2,487564E+22	2,558712E+22	2,563941E+22	2,563906E+22	2,558636E+22	2,487488E+22	2,314262E+22	2,085376E+22	1,917397E+22	1,917385E+22	2,085338E+22	2,314215E+22
-297	2,487448E+22	2,558609E+22	2,563887E+22	2,563920E+22	2,558681E+22	2,487524E+22	2,314292E+22	2,085407E+22	1,917435E+22	1,917424E+22	2,085376E+22	2,314259E+22
-296	2,487519E+22	2,558724E+22	2,564012E+22	2,564014E+22	2,558729E+22	2,487518E+22	2,314249E+22	2,085363E+22	1,917420E+22	1,917450E+22	2,085443E+22	2,314338E+22
-295	2,487551E+22	2,558678E+22	2,563906E+22	2,563892E+22	2,558652E+22	2,487506E+22	2,314273E+22	2,085388E+22	1,917427E+22	1,917434E+22	2,085397E+22	2,314262E+22
-294	2,487468E+22	2,558626E+22	2,563923E+22	2,563955E+22	2,558713E+22	2,487559E+22	2,314320E+22	2,085426E+22	1,917452E+22	1,917441E+22	2,085404E+22	2,314319E+22
-293	2,487598E+22	2,558768E+22	2,564005E+22	2,563981E+22	2,558705E+22	2,487528E+22	2,314278E+22	2,085390E+22	1,917431E+22	1,917436E+22	2,085397E+22	2,314275E+22
-292	2,487511E+22	2,558674E+22	2,563909E+22	2,563891E+22	2,558652E+22	2,487513E+22	2,314297E+22	2,085422E+22	1,917447E+22	1,917420E+22	2,085353E+22	2,314216E+22
-291	2,487456E+22	2,558664E+22	2,563987E+22	2,564001E+22	2,558731E+22	2,487545E+22	2,314286E+22	2,085396E+22	1,917435E+22	1,917435E+22	2,085404E+22	2,314314E+22
-290	2,487564E+22	2,558705E+22	2,563956E+22	2,563952E+22	2,558683E+22	2,487507E+22	2,314258E+22	2,085368E+22	1,917401E+22	1,917404E+22	2,085365E+22	2,314236E+22
-289	2,487455E+22	2,558591E+22	2,563843E+22	2,563883E+22	2,558679E+22	2,487540E+22	2,314297E+22	2,085386E+22	1,917389E+22	1,917374E+22	2,085347E+22	2,314249E+22
-288	2,487508E+22	2,558703E+22	2,563978E+22	2,563967E+22	2,558708E+22	2,487530E+22	2,314257E+22	2,085333E+22	1,917345E+22	1,917355E+22	2,085370E+22	2,314319E+22
-287	2,487573E+22	2,558703E+22	2,563917E+22	2,563869E+22	2,558612E+22	2,487477E+22	2,314245E+22	2,085334E+22	1,917337E+22	1,917330E+22	2,085306E+22	2,314206E+22
-286	2,487451E+22	2,558611E+22	2,563895E+22	2,563921E+22	2,558673E+22	2,487513E+22	2,314265E+22	2,085350E+22	1,917352E+22	1,917337E+22	2,085316E+22	2,314246E+22
-285	2,487549E+22	2,558747E+22	2,563997E+22	2,563989E+22	2,558721E+22	2,487512E+22	2,314214E+22	2,085288E+22	1,917311E+22	1,917334E+22	2,085341E+22	2,314255E+22
-284	2,487498E+22	2,558657E+22	2,563891E+22	2,563876E+22	2,558657E+22	2,487514E+22	2,314252E+22	2,085323E+22	1,917323E+22	1,917317E+22	2,085302E+22	2,314210E+22
-283	2,487443E+22	2,558608E+22	2,563921E+22	2,563957E+22	2,558719E+22	2,487553E+22	2,314279E+22	2,085345E+22	1,917347E+22	1,917345E+22	2,085345E+22	2,314300E+22
-282	2,487585E+22	2,558722E+22	2,563949E+22	2,563942E+22	2,558682E+22	2,487514E+22	2,314262E+22	2,085354E+22	1,917364E+22	1,917360E+22	2,085335E+22	2,314234E+22
-281	2,487479E+22	2,558623E+22	2,563850E+22	2,563856E+22	2,558643E+22	2,487519E+22	2,314301E+22	2,085409E+22	1,917419E+22	1,917394E+22	2,085342E+22	2,314219E+22
-280	2,487469E+22	2,558686E+22	2,563994E+22	2,563980E+22	2,558699E+22	2,487517E+22	2,314270E+22	2,085388E+22	1,917432E+22	1,917440E+22	2,085416E+22	2,314319E+22
-279	2,487560E+22	2,558710E+22	2,563960E+22	2,563930E+22	2,558647E+22	2,487479E+22	2,314251E+22	2,085390E+22	1,917455E+22	1,917471E+22	2,085414E+22	2,314248E+22
-278	2,487441E+22	2,558583E+22	2,563873E+22	2,563921E+22	2,558685E+22	2,487529E+22	2,314300E+22	2,085434E+22	1,917491E+22	1,917491E+22	2,085434E+22	2,314301E+22
-277	2,487548E+22	2,558731E+22	2,563995E+22	2,563998E+22	2,558739E+22	2,487545E+22	2,314278E+22	2,085401E+22	1,917467E+22	1,917490E+22	2,085460E+22	2,314339E+22
-276	2,487560E+22	2,558703E+22	2,563933E+22	2,563896E+22	2,558642E+22	2,487510E+22	2,314306E+22	2,085449E+22	1,917497E+22	1,917478E+22	2,085402E+22	2,314255E+22
-275	2,487471E+22	2,558632E+22	2,563940E+22	2,563962E+22	2,558693E+22	2,487533E+22	2,314321E+22	2,085471E+22	1,917526E+22	1,917506E+22	2,085429E+22	2,314305E+22
-274	2,487580E+22	2,558767E+22	2,564025E+22	2,564005E+22	2,558706E+22	2,487512E+22	2,314284E+22	2,085441E+22	1,917508E+22	1,917509E+22	2,085434E+22	2,314261E+22
-273	2,487469E+22	2,558638E+22	2,563903E+22	2,563902E+22	2,558664E+22	2,487525E+22	2,314313E+22	2,085459E+22	1,917512E+22	1,917497E+22	2,085414E+22	2,314237E+22
-272	2,487434E+22	2,558629E+22	2,563973E+22	2,563997E+22	2,558724E+22	2,487546E+22	2,314297E+22	2,085420E+22	1,917476E+22	1,917483E+22	2,085446E+22	2,314340E+22
-271	2,487579E+22	2,558709E+22	2,563953E+22	2,563946E+22	2,558674E+22	2,487504E+22	2,314269E+22	2,085394E+22	1,917447E+22	1,917461E+22	2,085411E+22	2,314258E+22
-270	2,487465E+22	2,558591E+22	2,563833E+22	2,563863E+22	2,558651E+22	2,487521E+22	2,314300E+22	2,085422E+22	1,917450E+22	1,917431E+22	2,085379E+22	2,314262E+22
-269	2,487525E+22	2,558724E+22	2,563985E+22	2,563961E+22	2,558701E+22	2,487525E+22	2,314260E+22	2,085363E+22	1,917398E+22	1,917406E+22	2,085390E+22	2,314304E+22
-268	2,487554E+22	2,558712E+22	2,563957E+22	2,563906E+22	2,558618E+22	2,487466E+22	2,314246E+22	2,085367E+22	1,917396E+22	1,917386E+22	2,085337E+22	2,314213E+22
-267	2,487439E+22	2,558583E+22	2,563889E+22	2,563937E+22	2,558682E+22	2,487505E+22	2,314255E+22	2,085366E+22	1,917401E+22	1,917399E+22	2,085364E+22	2,314266E+22
-266	2,487548E+22	2,558732E+22	2,563986E+22	2,563989E+22	2,558725E+22	2,487525E+22	2,314242E+22	2,085333E+22	1,917366E+22	1,917388E+22	2,085376E+22	2,314265E+22
-265	2,487491E+22	2,558641E+22	2,563875E+22	2,563861E+22	2,558645E+22	2,487527E+22	2,314290E+22	2,085381E+22	1,917392E+22	1,917380E+22	2,085341E+22	2,314221E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-264	2,487441E+22	2,558610E+22	2,563926E+22	2,563944E+22	2,558687E+22	2,487534E+22	2,314293E+22	2,085396E+22	1,917418E+22	1,917404E+22	2,085371E+22	2,314297E+22
-263	2,487585E+22	2,558741E+22	2,563979E+22	2,563955E+22	2,558666E+22	2,487490E+22	2,314259E+22	2,085390E+22	1,917443E+22	1,917451E+22	2,085390E+22	2,314234E+22
-262	2,487454E+22	2,558604E+22	2,563856E+22	2,563872E+22	2,558639E+22	2,487499E+22	2,314294E+22	2,085446E+22	1,917501E+22	1,917487E+22	2,085408E+22	2,314244E+22
-261	2,487470E+22	2,558678E+22	2,563984E+22	2,563987E+22	2,558722E+22	2,487534E+22	2,314278E+22	2,085415E+22	1,917490E+22	1,917509E+22	2,085466E+22	2,314337E+22
-260	2,487556E+22	2,558708E+22	2,563974E+22	2,563945E+22	2,558655E+22	2,487493E+22	2,314281E+22	2,085438E+22	1,917515E+22	1,917525E+22	2,085452E+22	2,314279E+22
-259	2,487462E+22	2,558579E+22	2,563865E+22	2,563916E+22	2,558675E+22	2,487522E+22	2,314315E+22	2,085480E+22	1,917555E+22	1,917549E+22	2,085467E+22	2,314316E+22
-258	2,487567E+22	2,558755E+22	2,564011E+22	2,563995E+22	2,558719E+22	2,487537E+22	2,314307E+22	2,085466E+22	1,917545E+22	1,917553E+22	2,085481E+22	2,314322E+22
-257	2,487536E+22	2,558701E+22	2,563953E+22	2,563909E+22	2,558632E+22	2,487505E+22	2,314329E+22	2,085508E+22	1,917583E+22	1,917561E+22	2,085447E+22	2,314247E+22
-256	2,487437E+22	2,558616E+22	2,563959E+22	2,563988E+22	2,558693E+22	2,487514E+22	2,314315E+22	2,085503E+22	1,917591E+22	1,917577E+22	2,085476E+22	2,314311E+22
-255	2,487559E+22	2,558748E+22	2,564024E+22	2,564022E+22	2,558720E+22	2,487512E+22	2,314278E+22	2,085452E+22	1,917560E+22	1,917587E+22	2,085500E+22	2,314289E+22
-254	2,487456E+22	2,558601E+22	2,563868E+22	2,563886E+22	2,558656E+22	2,487527E+22	2,314326E+22	2,085488E+22	1,917561E+22	1,917556E+22	2,085468E+22	2,314280E+22
-253	2,487464E+22	2,558634E+22	2,563944E+22	2,563966E+22	2,558711E+22	2,487549E+22	2,314314E+22	2,085452E+22	1,917514E+22	1,917516E+22	2,085463E+22	2,314345E+22
-252	2,487588E+22	2,558734E+22	2,563974E+22	2,563942E+22	2,558647E+22	2,487487E+22	2,314282E+22	2,085437E+22	1,917502E+22	1,917497E+22	2,085421E+22	2,314261E+22
-251	2,487472E+22	2,558601E+22	2,563851E+22	2,563874E+22	2,558633E+22	2,487487E+22	2,314284E+22	2,085443E+22	1,917503E+22	1,917487E+22	2,085406E+22	2,314258E+22
-250	2,487516E+22	2,558732E+22	2,564008E+22	2,563988E+22	2,558703E+22	2,487513E+22	2,314262E+22	2,085394E+22	1,917452E+22	1,917463E+22	2,085421E+22	2,314293E+22
-249	2,487519E+22	2,558687E+22	2,563958E+22	2,563929E+22	2,558640E+22	2,487488E+22	2,314269E+22	2,085401E+22	1,917450E+22	1,917446E+22	2,085383E+22	2,314227E+22
-248	2,487420E+22	2,558562E+22	2,563883E+22	2,563941E+22	2,558684E+22	2,487513E+22	2,314278E+22	2,085404E+22	1,917448E+22	1,917444E+22	2,085394E+22	2,314278E+22
-247	2,487550E+22	2,558732E+22	2,563982E+22	2,563988E+22	2,558722E+22	2,487530E+22	2,314265E+22	2,085376E+22	1,917433E+22	1,917457E+22	2,085417E+22	2,314272E+22
-246	2,487484E+22	2,558632E+22	2,563863E+22	2,563844E+22	2,558620E+22	2,487515E+22	2,314312E+22	2,085442E+22	1,917480E+22	1,917462E+22	2,085389E+22	2,314234E+22
-245	2,487445E+22	2,558619E+22	2,563923E+22	2,563936E+22	2,558673E+22	2,487521E+22	2,314304E+22	2,085445E+22	1,917498E+22	1,917485E+22	2,085416E+22	2,314294E+22
-244	2,487562E+22	2,558741E+22	2,564005E+22	2,563983E+22	2,558667E+22	2,487474E+22	2,314261E+22	2,085435E+22	1,917522E+22	1,917531E+22	2,085450E+22	2,314266E+22
-243	2,487454E+22	2,558584E+22	2,563846E+22	2,563880E+22	2,558640E+22	2,487485E+22	2,314281E+22	2,085465E+22	1,917561E+22	1,917564E+22	2,085472E+22	2,314283E+22
-242	2,487489E+22	2,558683E+22	2,563981E+22	2,563986E+22	2,558713E+22	2,487535E+22	2,314304E+22	2,085461E+22	1,917546E+22	1,917565E+22	2,085506E+22	2,314355E+22
-241	2,487562E+22	2,558713E+22	2,563979E+22	2,563948E+22	2,558649E+22	2,487499E+22	2,314313E+22	2,085494E+22	1,917584E+22	1,917583E+22	2,085484E+22	2,314285E+22
-240	2,487460E+22	2,558597E+22	2,563890E+22	2,563922E+22	2,558656E+22	2,487504E+22	2,314326E+22	2,085527E+22	1,917622E+22	1,917604E+22	2,085486E+22	2,314301E+22
-239	2,487549E+22	2,558767E+22	2,564048E+22	2,564029E+22	2,558724E+22	2,487526E+22	2,314309E+22	2,085501E+22	1,917621E+22	1,917638E+22	2,085527E+22	2,314311E+22
-238	2,487497E+22	2,558671E+22	2,563948E+22	2,563927E+22	2,558643E+22	2,487502E+22	2,314334E+22	2,085546E+22	1,917655E+22	1,917643E+22	2,085506E+22	2,314266E+22
-237	2,487423E+22	2,558588E+22	2,563923E+22	2,563979E+22	2,558713E+22	2,487536E+22	2,314333E+22	2,085532E+22	1,917641E+22	1,917635E+22	2,085521E+22	2,314328E+22
-236	2,487548E+22	2,558733E+22	2,564015E+22	2,564020E+22	2,558719E+22	2,487521E+22	2,314306E+22	2,085496E+22	1,917611E+22	1,917628E+22	2,085535E+22	2,314327E+22
-235	2,487480E+22	2,558595E+22	2,563844E+22	2,563860E+22	2,558627E+22	2,487503E+22	2,314327E+22	2,085520E+22	1,917613E+22	1,917604E+22	2,085498E+22	2,314300E+22
-234	2,487490E+22	2,558666E+22	2,563958E+22	2,563951E+22	2,558671E+22	2,487523E+22	2,314329E+22	2,085499E+22	1,917572E+22	1,917565E+22	2,085482E+22	2,314335E+22
-233	2,487574E+22	2,558744E+22	2,564003E+22	2,563962E+22	2,558634E+22	2,487466E+22	2,314286E+22	2,085475E+22	1,917564E+22	1,917560E+22	2,085457E+22	2,314255E+22
-232	2,487444E+22	2,558599E+22	2,563875E+22	2,563903E+22	2,558639E+22	2,487468E+22	2,314269E+22	2,085458E+22	1,917547E+22	1,917538E+22	2,085441E+22	2,314262E+22
-231	2,487497E+22	2,558720E+22	2,564015E+22	2,564013E+22	2,558729E+22	2,487526E+22	2,314262E+22	2,085403E+22	1,917495E+22	1,917526E+22	2,085467E+22	2,314307E+22
-230	2,487503E+22	2,558656E+22	2,563929E+22	2,563919E+22	2,558644E+22	2,487503E+22	2,314299E+22	2,085445E+22	1,917505E+22	1,917501E+22	2,085423E+22	2,314252E+22
-229	2,487437E+22	2,558564E+22	2,563853E+22	2,563916E+22	2,558679E+22	2,487522E+22	2,314310E+22	2,085458E+22	1,917511E+22	1,917492E+22	2,085414E+22	2,314274E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-228	2,487539E+22	2,558744E+22	2,564002E+22	2,563991E+22	2,558702E+22	2,487514E+22	2,314287E+22	2,085441E+22	1,917514E+22	1,917518E+22	2,085446E+22	2,314281E+22
-227	2,487478E+22	2,558626E+22	2,563870E+22	2,563853E+22	2,558601E+22	2,487477E+22	2,314299E+22	2,085481E+22	1,917562E+22	1,917550E+22	2,085446E+22	2,314248E+22
-226	2,487439E+22	2,558624E+22	2,563939E+22	2,563951E+22	2,558664E+22	2,487504E+22	2,314309E+22	2,085486E+22	1,917569E+22	1,917566E+22	2,085476E+22	2,314310E+22
-225	2,487540E+22	2,558722E+22	2,564005E+22	2,563997E+22	2,558679E+22	2,487487E+22	2,314282E+22	2,085474E+22	1,917588E+22	1,917607E+22	2,085512E+22	2,314297E+22
-224	2,487455E+22	2,558586E+22	2,563853E+22	2,563887E+22	2,558640E+22	2,487485E+22	2,314297E+22	2,085501E+22	1,917613E+22	1,917615E+22	2,085509E+22	2,314305E+22
-223	2,487506E+22	2,558701E+22	2,563995E+22	2,563994E+22	2,558715E+22	2,487536E+22	2,314316E+22	2,085500E+22	1,917615E+22	1,917633E+22	2,085539E+22	2,314356E+22
-222	2,487554E+22	2,558713E+22	2,563982E+22	2,563949E+22	2,558641E+22	2,487496E+22	2,314338E+22	2,085555E+22	1,917668E+22	1,917659E+22	2,085523E+22	2,314288E+22
-221	2,487453E+22	2,558600E+22	2,563894E+22	2,563934E+22	2,558662E+22	2,487499E+22	2,314339E+22	2,085577E+22	1,917698E+22	1,917676E+22	2,085524E+22	2,314290E+22
-220	2,487507E+22	2,558744E+22	2,564060E+22	2,564055E+22	2,558736E+22	2,487525E+22	2,314319E+22	2,085546E+22	1,917692E+22	1,917705E+22	2,085579E+22	2,314341E+22
-219	2,487486E+22	2,558633E+22	2,563917E+22	2,563915E+22	2,558640E+22	2,487497E+22	2,314335E+22	2,085571E+22	1,917711E+22	1,917713E+22	2,085566E+22	2,314306E+22
-218	2,487442E+22	2,558590E+22	2,563904E+22	2,563947E+22	2,558680E+22	2,487528E+22	2,314360E+22	2,085576E+22	1,917689E+22	1,917682E+22	2,085554E+22	2,314346E+22
-217	2,487557E+22	2,558740E+22	2,564012E+22	2,564002E+22	2,558692E+22	2,487508E+22	2,314324E+22	2,085543E+22	1,917670E+22	1,917676E+22	2,085558E+22	2,314331E+22
-216	2,487485E+22	2,558626E+22	2,563877E+22	2,563863E+22	2,558599E+22	2,487465E+22	2,314313E+22	2,085545E+22	1,917661E+22	1,917644E+22	2,085509E+22	2,314289E+22
-215	2,487480E+22	2,558686E+22	2,564001E+22	2,563990E+22	2,558679E+22	2,487499E+22	2,314305E+22	2,085509E+22	1,917626E+22	1,917630E+22	2,085514E+22	2,314324E+22
-214	2,487538E+22	2,558719E+22	2,564006E+22	2,563991E+22	2,558661E+22	2,487473E+22	2,314290E+22	2,085500E+22	1,917615E+22	1,917620E+22	2,085501E+22	2,314270E+22
-213	2,487431E+22	2,558576E+22	2,563854E+22	2,563910E+22	2,558669E+22	2,487497E+22	2,314296E+22	2,085490E+22	1,917590E+22	1,917582E+22	2,085471E+22	2,314267E+22
-212	2,487475E+22	2,558699E+22	2,564010E+22	2,564019E+22	2,558740E+22	2,487546E+22	2,314304E+22	2,085462E+22	1,917554E+22	1,917566E+22	2,085495E+22	2,314332E+22
-211	2,487512E+22	2,558644E+22	2,563903E+22	2,563892E+22	2,558624E+22	2,487492E+22	2,314315E+22	2,085497E+22	1,917581E+22	1,917569E+22	2,085461E+22	2,314266E+22
-210	2,487448E+22	2,558584E+22	2,563859E+22	2,563891E+22	2,558635E+22	2,487500E+22	2,314335E+22	2,085522E+22	1,917595E+22	1,917568E+22	2,085454E+22	2,314274E+22
-209	2,487519E+22	2,558739E+22	2,564018E+22	2,564004E+22	2,558689E+22	2,487490E+22	2,314290E+22	2,085490E+22	1,917600E+22	1,917608E+22	2,085508E+22	2,314297E+22
-208	2,487462E+22	2,558622E+22	2,563884E+22	2,563868E+22	2,558599E+22	2,487449E+22	2,314276E+22	2,085497E+22	1,917619E+22	1,917623E+22	2,085506E+22	2,314280E+22
-207	2,487441E+22	2,558622E+22	2,563950E+22	2,563969E+22	2,558680E+22	2,487504E+22	2,314300E+22	2,085496E+22	1,917621E+22	1,917639E+22	2,085534E+22	2,314342E+22
-206	2,487547E+22	2,558713E+22	2,563993E+22	2,563991E+22	2,558678E+22	2,487493E+22	2,314306E+22	2,085517E+22	1,917644E+22	1,917662E+22	2,085551E+22	2,314322E+22
-205	2,487477E+22	2,558603E+22	2,563849E+22	2,563878E+22	2,558639E+22	2,487489E+22	2,314324E+22	2,085555E+22	1,917677E+22	1,917662E+22	2,085520E+22	2,314290E+22
-204	2,487488E+22	2,558714E+22	2,564030E+22	2,564019E+22	2,558715E+22	2,487532E+22	2,314341E+22	2,085564E+22	1,917696E+22	1,917691E+22	2,085560E+22	2,314353E+22
-203	2,487534E+22	2,558697E+22	2,563986E+22	2,563963E+22	2,558641E+22	2,487477E+22	2,314336E+22	2,085600E+22	1,917752E+22	1,917745E+22	2,085573E+22	2,314293E+22
-202	2,487434E+22	2,558589E+22	2,563894E+22	2,563933E+22	2,558657E+22	2,487502E+22	2,314364E+22	2,085625E+22	1,917770E+22	1,917754E+22	2,085578E+22	2,314304E+22
-201	2,487480E+22	2,558709E+22	2,564045E+22	2,564053E+22	2,558739E+22	2,487535E+22	2,314345E+22	2,085593E+22	1,917758E+22	1,917776E+22	2,085634E+22	2,314369E+22
-200	2,487489E+22	2,558630E+22	2,563911E+22	2,563900E+22	2,558619E+22	2,487480E+22	2,314339E+22	2,085604E+22	1,917762E+22	1,917761E+22	2,085600E+22	2,314330E+22
-199	2,487463E+22	2,558612E+22	2,563919E+22	2,563944E+22	2,558664E+22	2,487507E+22	2,314351E+22	2,085601E+22	1,917751E+22	1,917744E+22	2,085583E+22	2,314349E+22
-198	2,487555E+22	2,558748E+22	2,564025E+22	2,563999E+22	2,558675E+22	2,487490E+22	2,314328E+22	2,085582E+22	1,917734E+22	1,917739E+22	2,085591E+22	2,314334E+22
-197	2,487481E+22	2,558632E+22	2,563894E+22	2,563888E+22	2,558614E+22	2,487455E+22	2,314309E+22	2,085571E+22	1,917714E+22	1,917697E+22	2,085536E+22	2,314279E+22
-196	2,487447E+22	2,558667E+22	2,564019E+22	2,564028E+22	2,558713E+22	2,487511E+22	2,314311E+22	2,085535E+22	1,917672E+22	1,917674E+22	2,085550E+22	2,314348E+22
-195	2,487528E+22	2,558682E+22	2,563978E+22	2,563986E+22	2,558675E+22	2,487486E+22	2,314302E+22	2,085526E+22	1,917661E+22	1,917674E+22	2,085544E+22	2,314298E+22
-194	2,487446E+22	2,558577E+22	2,563840E+22	2,563877E+22	2,558644E+22	2,487505E+22	2,314340E+22	2,085545E+22	1,917644E+22	1,917628E+22	2,085498E+22	2,314275E+22
-193	2,487468E+22	2,558688E+22	2,564002E+22	2,564000E+22	2,558717E+22	2,487540E+22	2,314333E+22	2,085526E+22	1,917633E+22	1,917630E+22	2,085523E+22	2,314329E+22

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-192	2,487506E+22	2,558661E+22	2,563926E+22	2,563888E+22	2,558594E+22	2,487456E+22	2,314306E+22	2,085535E+22	1,917652E+22	1,917638E+22	2,085497E+22	2,314269E+22
-191	2,487441E+22	2,558594E+22	2,563890E+22	2,563915E+22	2,558632E+22	2,487467E+22	2,314304E+22	2,085538E+22	1,917666E+22	1,917656E+22	2,085507E+22	2,314283E+22
-190	2,487498E+22	2,558714E+22	2,564013E+22	2,564013E+22	2,558700E+22	2,487491E+22	2,314293E+22	2,085519E+22	1,917662E+22	1,917683E+22	2,085569E+22	2,314332E+22
-189	2,487470E+22	2,558612E+22	2,563878E+22	2,563880E+22	2,558620E+22	2,487463E+22	2,314292E+22	2,085527E+22	1,917666E+22	1,917671E+22	2,085539E+22	2,314296E+22
-188	2,487441E+22	2,558621E+22	2,563960E+22	2,563984E+22	2,558692E+22	2,487517E+22	2,314330E+22	2,085550E+22	1,917680E+22	1,917679E+22	2,085558E+22	2,314364E+22
-187	2,487559E+22	2,558713E+22	2,563988E+22	2,563980E+22	2,558670E+22	2,487490E+22	2,314326E+22	2,085573E+22	1,917724E+22	1,917732E+22	2,085583E+22	2,314325E+22
-186	2,487480E+22	2,558626E+22	2,563875E+22	2,563870E+22	2,558608E+22	2,487481E+22	2,314360E+22	2,085625E+22	1,917767E+22	1,917742E+22	2,085556E+22	2,314276E+22
-185	2,487447E+22	2,558688E+22	2,564044E+22	2,564041E+22	2,558719E+22	2,487524E+22	2,314356E+22	2,085625E+22	1,917793E+22	1,917787E+22	2,085617E+22	2,314353E+22
-184	2,487505E+22	2,558679E+22	2,563987E+22	2,563970E+22	2,558644E+22	2,487464E+22	2,314326E+22	2,085625E+22	1,917819E+22	1,917825E+22	2,085635E+22	2,314323E+22
-183	2,487434E+22	2,558576E+22	2,563887E+22	2,563929E+22	2,558656E+22	2,487496E+22	2,314356E+22	2,085645E+22	1,917829E+22	1,917828E+22	2,085634E+22	2,314337E+22
-182	2,487491E+22	2,558695E+22	2,564022E+22	2,564027E+22	2,558721E+22	2,487531E+22	2,314365E+22	2,085637E+22	1,917815E+22	1,917830E+22	2,085673E+22	2,314399E+22
-181	2,487518E+22	2,558648E+22	2,563916E+22	2,563895E+22	2,558605E+22	2,487463E+22	2,314345E+22	2,085640E+22	1,917814E+22	1,917802E+22	2,085612E+22	2,314320E+22
-180	2,487456E+22	2,558630E+22	2,563964E+22	2,563977E+22	2,558665E+22	2,487492E+22	2,314352E+22	2,085636E+22	1,917805E+22	1,917788E+22	2,085605E+22	2,314351E+22
-179	2,487542E+22	2,558737E+22	2,564035E+22	2,564021E+22	2,558688E+22	2,487480E+22	2,314318E+22	2,085602E+22	1,917790E+22	1,917804E+22	2,085632E+22	2,314338E+22
-178	2,487466E+22	2,558624E+22	2,563901E+22	2,563891E+22	2,558621E+22	2,487477E+22	2,314339E+22	2,085605E+22	1,917761E+22	1,917751E+22	2,085573E+22	2,314285E+22
-177	2,487421E+22	2,558629E+22	2,564005E+22	2,564032E+22	2,558728E+22	2,487538E+22	2,314350E+22	2,085586E+22	1,917731E+22	1,917727E+22	2,085582E+22	2,314356E+22
-176	2,487528E+22	2,558677E+22	2,563964E+22	2,563964E+22	2,558657E+22	2,487479E+22	2,314316E+22	2,085566E+22	1,917717E+22	1,917721E+22	2,085570E+22	2,314310E+22
-175	2,487458E+22	2,558590E+22	2,563847E+22	2,563862E+22	2,558619E+22	2,487485E+22	2,314337E+22	2,085585E+22	1,917720E+22	1,917701E+22	2,085532E+22	2,314278E+22
-174	2,487461E+22	2,558683E+22	2,564006E+22	2,563987E+22	2,558687E+22	2,487514E+22	2,314338E+22	2,085572E+22	1,917709E+22	1,917708E+22	2,085572E+22	2,314341E+22
-173	2,487500E+22	2,558653E+22	2,563935E+22	2,563906E+22	2,558594E+22	2,487430E+22	2,314291E+22	2,085559E+22	1,917713E+22	1,917708E+22	2,085544E+22	2,314278E+22
-172	2,487422E+22	2,558580E+22	2,563908E+22	2,563947E+22	2,558656E+22	2,487471E+22	2,314300E+22	2,085557E+22	1,917713E+22	1,917711E+22	2,085559E+22	2,314323E+22
-171	2,487508E+22	2,558696E+22	2,563994E+22	2,564003E+22	2,558702E+22	2,487494E+22	2,314300E+22	2,085545E+22	1,917713E+22	1,917742E+22	2,085613E+22	2,314361E+22
-170	2,487497E+22	2,558633E+22	2,563886E+22	2,563860E+22	2,558597E+22	2,487472E+22	2,314335E+22	2,085585E+22	1,917728E+22	1,917720E+22	2,085560E+22	2,314294E+22
-169	2,487434E+22	2,558623E+22	2,563977E+22	2,563991E+22	2,558685E+22	2,487517E+22	2,314362E+22	2,085620E+22	1,917769E+22	1,917749E+22	2,085577E+22	2,314341E+22
-168	2,487540E+22	2,558725E+22	2,564017E+22	2,563995E+22	2,558659E+22	2,487468E+22	2,314325E+22	2,085620E+22	1,917808E+22	1,917812E+22	2,085622E+22	2,314317E+22
-167	2,487454E+22	2,558617E+22	2,563901E+22	2,563900E+22	2,558619E+22	2,487468E+22	2,314347E+22	2,085659E+22	1,917855E+22	1,917842E+22	2,085619E+22	2,314286E+22
-166	2,487416E+22	2,558643E+22	2,564021E+22	2,564039E+22	2,558728E+22	2,487537E+22	2,314377E+22	2,085669E+22	1,917867E+22	1,917874E+22	2,085687E+22	2,314390E+22
-165	2,487508E+22	2,558654E+22	2,563966E+22	2,563968E+22	2,558649E+22	2,487471E+22	2,314345E+22	2,085665E+22	1,917876E+22	1,917885E+22	2,085680E+22	2,314350E+22
-164	2,487446E+22	2,558577E+22	2,563890E+22	2,563931E+22	2,558654E+22	2,487496E+22	2,314374E+22	2,085689E+22	1,917884E+22	1,917873E+22	2,085669E+22	2,314369E+22
-163	2,487514E+22	2,558705E+22	2,564017E+22	2,564008E+22	2,558696E+22	2,487513E+22	2,314370E+22	2,085677E+22	1,917883E+22	1,917893E+22	2,085707E+22	2,314408E+22
-162	2,487533E+22	2,558681E+22	2,563953E+22	2,563897E+22	2,558577E+22	2,487449E+22	2,314363E+22	2,085683E+22	1,917876E+22	1,917862E+22	2,085641E+22	2,314311E+22
-161	2,487427E+22	2,558613E+22	2,563983E+22	2,564009E+22	2,558680E+22	2,487490E+22	2,314358E+22	2,085673E+22	1,917869E+22	1,917854E+22	2,085641E+22	2,314344E+22
-160	2,487519E+22	2,558724E+22	2,564035E+22	2,564032E+22	2,558701E+22	2,487485E+22	2,314315E+22	2,085615E+22	1,917830E+22	1,917856E+22	2,085672E+22	2,314357E+22
-159	2,487466E+22	2,558615E+22	2,563897E+22	2,563887E+22	2,558620E+22	2,487480E+22	2,314342E+22	2,085628E+22	1,917811E+22	1,917803E+22	2,085605E+22	2,314297E+22
-158	2,487419E+22	2,558606E+22	2,563972E+22	2,563999E+22	2,558705E+22	2,487540E+22	2,314380E+22	2,085638E+22	1,917792E+22	1,917778E+22	2,085610E+22	2,314364E+22
-157	2,487536E+22	2,558679E+22	2,563966E+22	2,563960E+22	2,558636E+22	2,487458E+22	2,314322E+22	2,085608E+22	1,917779E+22	1,917772E+22	2,085586E+22	2,314298E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ☉	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-156	2,487443E+22	2,558595E+22	2,563878E+22	2,563888E+22	2,558611E+22	2,487460E+22	2,314330E+22	2,085617E+22	1,917779E+22	1,917759E+22	2,085572E+22	2,314289E+22
-155	2,487450E+22	2,558667E+22	2,564003E+22	2,563995E+22	2,558686E+22	2,487497E+22	2,314325E+22	2,085593E+22	1,917771E+22	1,917785E+22	2,085630E+22	2,314363E+22
-154	2,487502E+22	2,558655E+22	2,563945E+22	2,563906E+22	2,558591E+22	2,487444E+22	2,314314E+22	2,085588E+22	1,917761E+22	1,917767E+22	2,085591E+22	2,314295E+22
-153	2,487412E+22	2,558559E+22	2,563907E+22	2,563960E+22	2,558669E+22	2,487490E+22	2,314332E+22	2,085606E+22	1,917775E+22	1,917768E+22	2,085591E+22	2,314329E+22
-152	2,487517E+22	2,558709E+22	2,563997E+22	2,563997E+22	2,558695E+22	2,487494E+22	2,314314E+22	2,085588E+22	1,917777E+22	1,917798E+22	2,085641E+22	2,314366E+22
-151	2,487504E+22	2,558653E+22	2,563912E+22	2,563866E+22	2,558586E+22	2,487461E+22	2,314341E+22	2,085637E+22	1,917819E+22	1,917802E+22	2,085595E+22	2,314285E+22
-150	2,487413E+22	2,558606E+22	2,563980E+22	2,563996E+22	2,558676E+22	2,487510E+22	2,314384E+22	2,085684E+22	1,917864E+22	1,917843E+22	2,085635E+22	2,314346E+22
-149	2,487515E+22	2,558697E+22	2,564020E+22	2,564023E+22	2,558672E+22	2,487458E+22	2,314325E+22	2,085660E+22	1,917885E+22	1,917897E+22	2,085681E+22	2,314333E+22
-148	2,487434E+22	2,558590E+22	2,563900E+22	2,563919E+22	2,558636E+22	2,487479E+22	2,314358E+22	2,085691E+22	1,917911E+22	1,917911E+22	2,085688E+22	2,314338E+22
-147	2,487433E+22	2,558624E+22	2,563986E+22	2,564009E+22	2,558708E+22	2,487535E+22	2,314392E+22	2,085706E+22	1,917927E+22	1,917941E+22	2,085743E+22	2,314430E+22
-146	2,487545E+22	2,558682E+22	2,563968E+22	2,563935E+22	2,558609E+22	2,487467E+22	2,314378E+22	2,085715E+22	1,917936E+22	1,917936E+22	2,085707E+22	2,314356E+22
-145	2,487452E+22	2,558596E+22	2,563917E+22	2,563943E+22	2,558641E+22	2,487482E+22	2,314386E+22	2,085739E+22	1,917957E+22	1,917933E+22	2,085686E+22	2,314350E+22
-144	2,487509E+22	2,558731E+22	2,564051E+22	2,564027E+22	2,558683E+22	2,487483E+22	2,314352E+22	2,085698E+22	1,917940E+22	1,917953E+22	2,085736E+22	2,314399E+22
-143	2,487513E+22	2,558680E+22	2,563982E+22	2,563936E+22	2,558596E+22	2,487441E+22	2,314347E+22	2,085702E+22	1,917936E+22	1,917928E+22	2,085680E+22	2,314310E+22
-142	2,487397E+22	2,558574E+22	2,563965E+22	2,564016E+22	2,558696E+22	2,487513E+22	2,314385E+22	2,085710E+22	1,917920E+22	1,917909E+22	2,085683E+22	2,314357E+22
-141	2,487506E+22	2,558692E+22	2,564015E+22	2,564035E+22	2,558706E+22	2,487495E+22	2,314340E+22	2,085654E+22	1,917875E+22	1,917894E+22	2,085695E+22	2,314361E+22
-140	2,487462E+22	2,558608E+22	2,563893E+22	2,563887E+22	2,558615E+22	2,487485E+22	2,314366E+22	2,085673E+22	1,917862E+22	1,917847E+22	2,085637E+22	2,314315E+22
-139	2,487426E+22	2,558604E+22	2,563953E+22	2,563967E+22	2,558667E+22	2,487518E+22	2,314388E+22	2,085682E+22	1,917865E+22	1,917851E+22	2,085652E+22	2,314371E+22
-138	2,487537E+22	2,558697E+22	2,563986E+22	2,563951E+22	2,558601E+22	2,487437E+22	2,314332E+22	2,085648E+22	1,917847E+22	1,917844E+22	2,085633E+22	2,314301E+22
-137	2,487419E+22	2,558577E+22	2,563889E+22	2,563918E+22	2,558624E+22	2,487451E+22	2,314323E+22	2,085643E+22	1,917842E+22	1,917832E+22	2,085620E+22	2,314300E+22
-136	2,487447E+22	2,558665E+22	2,564000E+22	2,564000E+22	2,558688E+22	2,487491E+22	2,314314E+22	2,085601E+22	1,917810E+22	1,917840E+22	2,085678E+22	2,314395E+22
-135	2,487518E+22	2,558662E+22	2,563953E+22	2,563914E+22	2,558591E+22	2,487443E+22	2,314318E+22	2,085617E+22	1,917814E+22	1,917818E+22	2,085623E+22	2,314310E+22
-134	2,487418E+22	2,558556E+22	2,563898E+22	2,563948E+22	2,558656E+22	2,487497E+22	2,314369E+22	2,085667E+22	1,917845E+22	1,917825E+22	2,085618E+22	2,314326E+22
-133	2,487510E+22	2,558713E+22	2,564018E+22	2,564016E+22	2,558688E+22	2,487484E+22	2,314333E+22	2,085642E+22	1,917853E+22	1,917862E+22	2,085663E+22	2,314347E+22
-132	2,487478E+22	2,558651E+22	2,563942E+22	2,563907E+22	2,558598E+22	2,487457E+22	2,314352E+22	2,085685E+22	1,917894E+22	1,917882E+22	2,085650E+22	2,314296E+22
-131	2,487390E+22	2,558574E+22	2,563957E+22	2,563995E+22	2,558680E+22	2,487511E+22	2,314394E+22	2,085729E+22	1,917948E+22	1,917939E+22	2,085708E+22	2,314375E+22
-130	2,487513E+22	2,558688E+22	2,564012E+22	2,564008E+22	2,558662E+22	2,487475E+22	2,314362E+22	2,085708E+22	1,917953E+22	1,917971E+22	2,085741E+22	2,314365E+22
-129	2,487435E+22	2,558573E+22	2,563888E+22	2,563917E+22	2,558631E+22	2,487481E+22	2,314386E+22	2,085747E+22	1,917984E+22	1,917977E+22	2,085727E+22	2,314355E+22
-128	2,487457E+22	2,558650E+22	2,563988E+22	2,563991E+22	2,558679E+22	2,487512E+22	2,314394E+22	2,085744E+22	1,917990E+22	1,918002E+22	2,085777E+22	2,314443E+22
-127	2,487562E+22	2,558720E+22	2,564008E+22	2,563948E+22	2,558586E+22	2,487434E+22	2,314365E+22	2,085751E+22	1,918010E+22	1,918004E+22	2,085737E+22	2,314347E+22
-126	2,487432E+22	2,558591E+22	2,563932E+22	2,563961E+22	2,558637E+22	2,487469E+22	2,314393E+22	2,085781E+22	1,918027E+22	1,918005E+22	2,085728E+22	2,314347E+22
-125	2,487478E+22	2,558705E+22	2,564063E+22	2,564068E+22	2,558710E+22	2,487484E+22	2,314349E+22	2,085718E+22	1,917988E+22	1,918008E+22	2,085772E+22	2,314404E+22
-124	2,487489E+22	2,558653E+22	2,563978E+22	2,563961E+22	2,558624E+22	2,487464E+22	2,314364E+22	2,085723E+22	1,917968E+22	1,917971E+22	2,085725E+22	2,314340E+22
-123	2,487399E+22	2,558548E+22	2,563918E+22	2,563982E+22	2,558681E+22	2,487520E+22	2,314413E+22	2,085754E+22	1,917973E+22	1,917960E+22	2,085720E+22	2,314378E+22
-122	2,487519E+22	2,558705E+22	2,564008E+22	2,564000E+22	2,558669E+22	2,487492E+22	2,314373E+22	2,085707E+22	1,917934E+22	1,917941E+22	2,085715E+22	2,314357E+22
-121	2,487451E+22	2,558609E+22	2,563906E+22	2,563893E+22	2,558596E+22	2,487463E+22	2,314374E+22	2,085722E+22	1,917936E+22	1,917912E+22	2,085661E+22	2,314302E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-120	2,487418E+22	2,558619E+22	2,563969E+22	2,563974E+22	2,558647E+22	2,487481E+22	2,314364E+22	2,085698E+22	1,917921E+22	1,917920E+22	2,085700E+22	2,314382E+22
-119	2,487527E+22	2,558700E+22	2,564004E+22	2,563975E+22	2,558609E+22	2,487421E+22	2,314311E+22	2,085663E+22	1,917902E+22	1,917910E+22	2,085682E+22	2,314319E+22
-118	2,487407E+22	2,558554E+22	2,563874E+22	2,563922E+22	2,558637E+22	2,487469E+22	2,314347E+22	2,085677E+22	1,917890E+22	1,917885E+22	2,085665E+22	2,314325E+22
-117	2,487450E+22	2,558652E+22	2,563997E+22	2,564015E+22	2,558695E+22	2,487497E+22	2,314336E+22	2,085639E+22	1,917856E+22	1,917878E+22	2,085698E+22	2,314401E+22
-116	2,487523E+22	2,558672E+22	2,563966E+22	2,563932E+22	2,558599E+22	2,487454E+22	2,314347E+22	2,085667E+22	1,917871E+22	1,917869E+22	2,085655E+22	2,314319E+22
-115	2,487417E+22	2,558559E+22	2,563893E+22	2,563934E+22	2,558632E+22	2,487487E+22	2,314393E+22	2,085731E+22	1,917935E+22	1,917910E+22	2,085665E+22	2,314326E+22
-114	2,487491E+22	2,558715E+22	2,564033E+22	2,564018E+22	2,558671E+22	2,487479E+22	2,314357E+22	2,085701E+22	1,917942E+22	1,917951E+22	2,085718E+22	2,314351E+22
-113	2,487444E+22	2,558621E+22	2,563942E+22	2,563932E+22	2,558616E+22	2,487458E+22	2,314363E+22	2,085733E+22	1,917981E+22	1,917975E+22	2,085712E+22	2,314318E+22
-112	2,487393E+22	2,558570E+22	2,563937E+22	2,563975E+22	2,558663E+22	2,487498E+22	2,314392E+22	2,085753E+22	1,918006E+22	1,918013E+22	2,085771E+22	2,314417E+22
-111	2,487534E+22	2,558700E+22	2,564011E+22	2,563997E+22	2,558639E+22	2,487454E+22	2,314363E+22	2,085749E+22	1,918021E+22	1,918032E+22	2,085781E+22	2,314387E+22
-110	2,487449E+22	2,558586E+22	2,563891E+22	2,563908E+22	2,558610E+22	2,487467E+22	2,314402E+22	2,085798E+22	1,918054E+22	1,918036E+22	2,085756E+22	2,314358E+22
-109	2,487453E+22	2,558662E+22	2,564024E+22	2,564023E+22	2,558669E+22	2,487483E+22	2,314388E+22	2,085778E+22	1,918052E+22	1,918057E+22	2,085797E+22	2,314428E+22
-108	2,487538E+22	2,558721E+22	2,564046E+22	2,564004E+22	2,558616E+22	2,487434E+22	2,314366E+22	2,085776E+22	1,918059E+22	1,918065E+22	2,085783E+22	2,314353E+22
-107	2,487405E+22	2,558564E+22	2,563917E+22	2,563968E+22	2,558654E+22	2,487484E+22	2,314408E+22	2,085814E+22	1,918087E+22	1,918075E+22	2,085781E+22	2,314363E+22
-106	2,487460E+22	2,558687E+22	2,564049E+22	2,564055E+22	2,558714E+22	2,487516E+22	2,314393E+22	2,085765E+22	1,918040E+22	1,918058E+22	2,085806E+22	2,314416E+22
-105	2,487477E+22	2,558628E+22	2,563958E+22	2,563957E+22	2,558630E+22	2,487477E+22	2,314400E+22	2,085783E+22	1,918037E+22	1,918024E+22	2,085746E+22	2,314344E+22
-104	2,487414E+22	2,558562E+22	2,563899E+22	2,563944E+22	2,558644E+22	2,487496E+22	2,314418E+22	2,085794E+22	1,918036E+22	1,918019E+22	2,085753E+22	2,314389E+22
-103	2,487525E+22	2,558726E+22	2,564028E+22	2,563997E+22	2,558636E+22	2,487450E+22	2,314362E+22	2,085747E+22	1,918009E+22	1,918009E+22	2,085753E+22	2,314362E+22
-102	2,487434E+22	2,558600E+22	2,563913E+22	2,563903E+22	2,558586E+22	2,487438E+22	2,314369E+22	2,085754E+22	1,917999E+22	1,917983E+22	2,085714E+22	2,314318E+22
-101	2,487399E+22	2,558600E+22	2,563982E+22	2,564007E+22	2,558660E+22	2,487467E+22	2,314347E+22	2,085705E+22	1,917958E+22	1,917970E+22	2,085742E+22	2,314405E+22
-100	2,487526E+22	2,558693E+22	2,564010E+22	2,563998E+22	2,558633E+22	2,487438E+22	2,314324E+22	2,085675E+22	1,917924E+22	1,917947E+22	2,085725E+22	2,314352E+22
-99	2,487422E+22	2,558552E+22	2,563850E+22	2,563898E+22	2,558625E+22	2,487476E+22	2,314378E+22	2,085726E+22	1,917946E+22	1,917933E+22	2,085693E+22	2,314336E+22
-98	2,487459E+22	2,558676E+22	2,564010E+22	2,564000E+22	2,558677E+22	2,487505E+22	2,314374E+22	2,085703E+22	1,917929E+22	1,917929E+22	2,085711E+22	2,314384E+22
-97	2,487500E+22	2,558672E+22	2,563989E+22	2,563956E+22	2,558600E+22	2,487443E+22	2,314366E+22	2,085732E+22	1,917964E+22	1,917947E+22	2,085680E+22	2,314300E+22
-96	2,487396E+22	2,558559E+22	2,563896E+22	2,563939E+22	2,558624E+22	2,487464E+22	2,314387E+22	2,085769E+22	1,918015E+22	1,918001E+22	2,085728E+22	2,314342E+22
-95	2,487469E+22	2,558699E+22	2,564039E+22	2,564032E+22	2,558675E+22	2,487464E+22	2,314352E+22	2,085740E+22	1,918019E+22	1,918035E+22	2,085783E+22	2,314379E+22
-94	2,487430E+22	2,558590E+22	2,563917E+22	2,563922E+22	2,558612E+22	2,487463E+22	2,314388E+22	2,085782E+22	1,918051E+22	1,918049E+22	2,085772E+22	2,314353E+22
-93	2,487399E+22	2,558563E+22	2,563937E+22	2,563980E+22	2,558652E+22	2,487484E+22	2,314400E+22	2,085793E+22	1,918066E+22	1,918068E+22	2,085805E+22	2,314436E+22
-92	2,487549E+22	2,558722E+22	2,564032E+22	2,564009E+22	2,558637E+22	2,487448E+22	2,314374E+22	2,085786E+22	1,918077E+22	1,918092E+22	2,085821E+22	2,314400E+22
-91	2,487452E+22	2,558599E+22	2,563902E+22	2,563905E+22	2,558591E+22	2,487451E+22	2,314414E+22	2,085849E+22	1,918132E+22	1,918113E+22	2,085800E+22	2,314361E+22
-90	2,487438E+22	2,558666E+22	2,564048E+22	2,564042E+22	2,558677E+22	2,487485E+22	2,314401E+22	2,085820E+22	1,918120E+22	1,918124E+22	2,085837E+22	2,314427E+22
-89	2,487505E+22	2,558688E+22	2,564045E+22	2,564036E+22	2,558653E+22	2,487453E+22	2,314383E+22	2,085816E+22	1,918124E+22	1,918130E+22	2,085821E+22	2,314365E+22
-88	2,487405E+22	2,558553E+22	2,563890E+22	2,563944E+22	2,558646E+22	2,487488E+22	2,314423E+22	2,085844E+22	1,918135E+22	1,918130E+22	2,085827E+22	2,314391E+22
-87	2,487468E+22	2,558686E+22	2,564041E+22	2,564034E+22	2,558688E+22	2,487498E+22	2,314408E+22	2,085816E+22	1,918105E+22	1,918106E+22	2,085831E+22	2,314423E+22
-86	2,487476E+22	2,558629E+22	2,563952E+22	2,563935E+22	2,558601E+22	2,487460E+22	2,314417E+22	2,085837E+22	1,918109E+22	1,918084E+22	2,085775E+22	2,314345E+22
-85	2,487403E+22	2,558566E+22	2,563928E+22	2,563961E+22	2,558622E+22	2,487455E+22	2,314400E+22	2,085819E+22	1,918094E+22	1,918075E+22	2,085781E+22	2,314387E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-84	2,487510E+22	2,558724E+22	2,564054E+22	2,564034E+22	2,558655E+22	2,487439E+22	2,314348E+22	2,085757E+22	1,918047E+22	1,918067E+22	2,085806E+22	2,314383E+22
-83	2,487425E+22	2,558585E+22	2,563904E+22	2,563903E+22	2,558594E+22	2,487444E+22	2,314376E+22	2,085777E+22	1,918045E+22	1,918040E+22	2,085763E+22	2,314347E+22
-82	2,487402E+22	2,558596E+22	2,563980E+22	2,563999E+22	2,558666E+22	2,487490E+22	2,314378E+22	2,085742E+22	1,918000E+22	1,918007E+22	2,085765E+22	2,314414E+22
-81	2,487523E+22	2,558686E+22	2,564010E+22	2,564011E+22	2,558652E+22	2,487455E+22	2,314358E+22	2,085733E+22	1,917991E+22	1,917995E+22	2,085735E+22	2,314348E+22
-80	2,487434E+22	2,558575E+22	2,563852E+22	2,563875E+22	2,558599E+22	2,487459E+22	2,314388E+22	2,085773E+22	1,918020E+22	1,918001E+22	2,085725E+22	2,314333E+22
-79	2,487442E+22	2,558679E+22	2,564034E+22	2,564009E+22	2,558656E+22	2,487471E+22	2,314377E+22	2,085763E+22	1,918022E+22	1,918011E+22	2,085751E+22	2,314377E+22
-78	2,487464E+22	2,558643E+22	2,563987E+22	2,563970E+22	2,558608E+22	2,487434E+22	2,314372E+22	2,085781E+22	1,918052E+22	1,918041E+22	2,085748E+22	2,314321E+22
-77	2,487370E+22	2,558525E+22	2,563893E+22	2,563952E+22	2,558629E+22	2,487452E+22	2,314378E+22	2,085791E+22	1,918074E+22	1,918073E+22	2,085789E+22	2,314380E+22
-76	2,487477E+22	2,558685E+22	2,564030E+22	2,564034E+22	2,558683E+22	2,487474E+22	2,314368E+22	2,085764E+22	1,918060E+22	1,918094E+22	2,085844E+22	2,314425E+22
-75	2,487456E+22	2,558596E+22	2,563902E+22	2,563892E+22	2,558583E+22	2,487452E+22	2,314408E+22	2,085833E+22	1,918118E+22	1,918111E+22	2,085812E+22	2,314376E+22
-74	2,487419E+22	2,558595E+22	2,563963E+22	2,563972E+22	2,558633E+22	2,487476E+22	2,314417E+22	2,085844E+22	1,918138E+22	1,918126E+22	2,085825E+22	2,314425E+22
-73	2,487535E+22	2,558730E+22	2,564069E+22	2,564049E+22	2,558655E+22	2,487443E+22	2,314384E+22	2,085838E+22	1,918159E+22	1,918164E+22	2,085843E+22	2,314384E+22
-72	2,487439E+22	2,558602E+22	2,563915E+22	2,563919E+22	2,558600E+22	2,487444E+22	2,314411E+22	2,085879E+22	1,918200E+22	1,918190E+22	2,085851E+22	2,314371E+22
-71	2,487415E+22	2,558646E+22	2,564054E+22	2,564059E+22	2,558690E+22	2,487488E+22	2,314417E+22	2,085867E+22	1,918189E+22	1,918188E+22	2,085878E+22	2,314440E+22
-70	2,487487E+22	2,558655E+22	2,564020E+22	2,564026E+22	2,558658E+22	2,487472E+22	2,314421E+22	2,085873E+22	1,918192E+22	1,918193E+22	2,085863E+22	2,314385E+22
-69	2,487400E+22	2,558538E+22	2,563886E+22	2,563934E+22	2,558628E+22	2,487475E+22	2,314436E+22	2,085888E+22	1,918195E+22	1,918181E+22	2,085854E+22	2,314403E+22
-68	2,487476E+22	2,558695E+22	2,564051E+22	2,564030E+22	2,558674E+22	2,487488E+22	2,314416E+22	2,085848E+22	1,918158E+22	1,918168E+22	2,085874E+22	2,314435E+22
-67	2,487474E+22	2,558631E+22	2,563956E+22	2,563922E+22	2,558569E+22	2,487429E+22	2,314415E+22	2,085877E+22	1,918180E+22	1,918161E+22	2,085825E+22	2,314359E+22
-66	2,487396E+22	2,558568E+22	2,563946E+22	2,563975E+22	2,558628E+22	2,487446E+22	2,314389E+22	2,085839E+22	1,918146E+22	1,918135E+22	2,085823E+22	2,314400E+22
-65	2,487497E+22	2,558703E+22	2,564055E+22	2,564057E+22	2,558684E+22	2,487451E+22	2,314352E+22	2,085777E+22	1,918092E+22	1,918116E+22	2,085833E+22	2,314400E+22
-64	2,487443E+22	2,558587E+22	2,563890E+22	2,563883E+22	2,558585E+22	2,487445E+22	2,314385E+22	2,085798E+22	1,918081E+22	1,918080E+22	2,085793E+22	2,314367E+22
-63	2,487415E+22	2,558607E+22	2,563991E+22	2,563996E+22	2,558649E+22	2,487474E+22	2,314394E+22	2,085795E+22	1,918060E+22	1,918045E+22	2,085772E+22	2,314403E+22
-62	2,487511E+22	2,558683E+22	2,564016E+22	2,564007E+22	2,558640E+22	2,487449E+22	2,314379E+22	2,085792E+22	1,918069E+22	1,918059E+22	2,085759E+22	2,314333E+22
-61	2,487402E+22	2,558563E+22	2,563882E+22	2,563899E+22	2,558591E+22	2,487435E+22	2,314382E+22	2,085809E+22	1,918092E+22	1,918075E+22	2,085765E+22	2,314332E+22
-60	2,487416E+22	2,558655E+22	2,564041E+22	2,564033E+22	2,558679E+22	2,487477E+22	2,314377E+22	2,085784E+22	1,918079E+22	1,918094E+22	2,085821E+22	2,314403E+22
-59	2,487450E+22	2,558612E+22	2,563961E+22	2,563952E+22	2,558603E+22	2,487441E+22	2,314391E+22	2,085825E+22	1,918123E+22	1,918123E+22	2,085816E+22	2,314363E+22
-58	2,487383E+22	2,558520E+22	2,563883E+22	2,563935E+22	2,558623E+22	2,487461E+22	2,314401E+22	2,085837E+22	1,918137E+22	1,918131E+22	2,085827E+22	2,314405E+22
-57	2,487493E+22	2,558689E+22	2,564032E+22	2,564035E+22	2,558683E+22	2,487475E+22	2,314392E+22	2,085823E+22	1,918139E+22	1,918155E+22	2,085863E+22	2,314432E+22
-56	2,487484E+22	2,558630E+22	2,563921E+22	2,563878E+22	2,558553E+22	2,487428E+22	2,314412E+22	2,085877E+22	1,918194E+22	1,918185E+22	2,085851E+22	2,314380E+22
-55	2,487414E+22	2,558612E+22	2,564006E+22	2,564000E+22	2,558621E+22	2,487443E+22	2,314417E+22	2,085899E+22	1,918222E+22	1,918202E+22	2,085862E+22	2,314416E+22
-54	2,487501E+22	2,558706E+22	2,564078E+22	2,564076E+22	2,558680E+22	2,487451E+22	2,314395E+22	2,085883E+22	1,918239E+22	1,918249E+22	2,085900E+22	2,314396E+22
-53	2,487409E+22	2,558571E+22	2,563921E+22	2,563936E+22	2,558613E+22	2,487450E+22	2,314417E+22	2,085905E+22	1,918254E+22	1,918253E+22	2,085899E+22	2,314396E+22
-52	2,487415E+22	2,558623E+22	2,564037E+22	2,564056E+22	2,558698E+22	2,487507E+22	2,314443E+22	2,085900E+22	1,918235E+22	1,918246E+22	2,085926E+22	2,314464E+22
-51	2,487498E+22	2,558651E+22	2,563999E+22	2,563990E+22	2,558625E+22	2,487462E+22	2,314446E+22	2,085932E+22	1,918266E+22	1,918256E+22	2,085900E+22	2,314400E+22
-50	2,487411E+22	2,558556E+22	2,563899E+22	2,563919E+22	2,558599E+22	2,487455E+22	2,314439E+22	2,085931E+22	1,918262E+22	1,918239E+22	2,085877E+22	2,314396E+22
-49	2,487463E+22	2,558693E+22	2,564074E+22	2,564057E+22	2,558680E+22	2,487473E+22	2,314412E+22	2,085882E+22	1,918225E+22	1,918232E+22	2,085901E+22	2,314434E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-48	2,487475E+22	2,558633E+22	2,563965E+22	2,563928E+22	2,558567E+22	2,487412E+22	2,314395E+22	2,085882E+22	1,918222E+22	1,918222E+22	2,085876E+22	2,314379E+22
-47	2,487388E+22	2,558557E+22	2,563954E+22	2,563988E+22	2,558631E+22	2,487442E+22	2,314395E+22	2,085866E+22	1,918187E+22	1,918177E+22	2,085852E+22	2,314411E+22
-46	2,487491E+22	2,558682E+22	2,564041E+22	2,564056E+22	2,558697E+22	2,487473E+22	2,314382E+22	2,085821E+22	1,918144E+22	1,918160E+22	2,085858E+22	2,314406E+22
-45	2,487438E+22	2,558585E+22	2,563901E+22	2,563882E+22	2,558574E+22	2,487440E+22	2,314397E+22	2,085836E+22	1,918134E+22	1,918122E+22	2,085808E+22	2,314364E+22
-44	2,487413E+22	2,558608E+22	2,564002E+22	2,564001E+22	2,558645E+22	2,487475E+22	2,314412E+22	2,085834E+22	1,918121E+22	1,918112E+22	2,085809E+22	2,314396E+22
-43	2,487489E+22	2,558669E+22	2,564019E+22	2,564003E+22	2,558620E+22	2,487431E+22	2,314390E+22	2,085845E+22	1,918155E+22	1,918148E+22	2,085817E+22	2,314346E+22
-42	2,487384E+22	2,558544E+22	2,563881E+22	2,563904E+22	2,558597E+22	2,487435E+22	2,314382E+22	2,085843E+22	1,918161E+22	1,918153E+22	2,085822E+22	2,314354E+22
-41	2,487407E+22	2,558628E+22	2,564026E+22	2,564037E+22	2,558693E+22	2,487492E+22	2,314394E+22	2,085821E+22	1,918143E+22	1,918161E+22	2,085866E+22	2,314436E+22
-40	2,487483E+22	2,558620E+22	2,563944E+22	2,563919E+22	2,558573E+22	2,487428E+22	2,314399E+22	2,085858E+22	1,918180E+22	1,918186E+22	2,085864E+22	2,314394E+22
-39	2,487411E+22	2,558547E+22	2,563906E+22	2,563932E+22	2,558592E+22	2,487430E+22	2,314411E+22	2,085895E+22	1,918210E+22	1,918186E+22	2,085848E+22	2,314402E+22
-38	2,487492E+22	2,558703E+22	2,564058E+22	2,564049E+22	2,558676E+22	2,487462E+22	2,314403E+22	2,085879E+22	1,918225E+22	1,918232E+22	2,085896E+22	2,314419E+22
-37	2,487454E+22	2,558630E+22	2,563970E+22	2,563923E+22	2,558560E+22	2,487410E+22	2,314404E+22	2,085909E+22	1,918264E+22	1,918259E+22	2,085893E+22	2,314378E+22
-36	2,487389E+22	2,558592E+22	2,564020E+22	2,564038E+22	2,558659E+22	2,487466E+22	2,314429E+22	2,085922E+22	1,918279E+22	1,918282E+22	2,085924E+22	2,314428E+22
-35	2,487477E+22	2,558672E+22	2,564055E+22	2,564066E+22	2,558683E+22	2,487473E+22	2,314432E+22	2,085937E+22	1,918312E+22	1,918325E+22	2,085959E+22	2,314426E+22
-34	2,487411E+22	2,558556E+22	2,563902E+22	2,563922E+22	2,558613E+22	2,487468E+22	2,314449E+22	2,085960E+22	1,918323E+22	1,918313E+22	2,085935E+22	2,314413E+22
-33	2,487423E+22	2,558617E+22	2,564024E+22	2,564043E+22	2,558689E+22	2,487508E+22	2,314468E+22	2,085958E+22	1,918313E+22	1,918306E+22	2,085947E+22	2,314469E+22
-32	2,487517E+22	2,558669E+22	2,564001E+22	2,563963E+22	2,558580E+22	2,487425E+22	2,314440E+22	2,085968E+22	1,918336E+22	1,918331E+22	2,085947E+22	2,314411E+22
-31	2,487409E+22	2,558566E+22	2,563930E+22	2,563941E+22	2,558577E+22	2,487409E+22	2,314422E+22	2,085964E+22	1,918325E+22	1,918302E+22	2,085917E+22	2,314400E+22
-30	2,487443E+22	2,558672E+22	2,564074E+22	2,564074E+22	2,558693E+22	2,487470E+22	2,314405E+22	2,085901E+22	1,918275E+22	1,918295E+22	2,085951E+22	2,314452E+22
-29	2,487459E+22	2,558617E+22	2,563975E+22	2,563943E+22	2,558572E+22	2,487415E+22	2,314394E+22	2,085886E+22	1,918245E+22	1,918256E+22	2,085907E+22	2,314401E+22
-28	2,487402E+22	2,558555E+22	2,563951E+22	2,563989E+22	2,558638E+22	2,487460E+22	2,314417E+22	2,085884E+22	1,918214E+22	1,918211E+22	2,085874E+22	2,314412E+22
-27	2,487492E+22	2,558687E+22	2,564034E+22	2,564033E+22	2,558672E+22	2,487472E+22	2,314412E+22	2,085877E+22	1,918210E+22	1,918211E+22	2,085876E+22	2,314399E+22
-26	2,487431E+22	2,558594E+22	2,563917E+22	2,563888E+22	2,558566E+22	2,487433E+22	2,314408E+22	2,085885E+22	1,918207E+22	1,918184E+22	2,085828E+22	2,314346E+22
-25	2,487385E+22	2,558588E+22	2,564007E+22	2,564026E+22	2,558659E+22	2,487475E+22	2,314423E+22	2,085881E+22	1,918201E+22	1,918187E+22	2,085846E+22	2,314397E+22
-24	2,487478E+22	2,558652E+22	2,564006E+22	2,563996E+22	2,558611E+22	2,487422E+22	2,314389E+22	2,085873E+22	1,918219E+22	1,918230E+22	2,085887E+22	2,314380E+22
-23	2,487384E+22	2,558532E+22	2,563881E+22	2,563906E+22	2,558581E+22	2,487420E+22	2,314396E+22	2,085889E+22	1,918223E+22	1,918215E+22	2,085870E+22	2,314379E+22
-22	2,487414E+22	2,558619E+22	2,564013E+22	2,564029E+22	2,558685E+22	2,487493E+22	2,314418E+22	2,085874E+22	1,918215E+22	1,918230E+22	2,085910E+22	2,314453E+22
-21	2,487489E+22	2,558639E+22	2,563972E+22	2,563924E+22	2,558554E+22	2,487409E+22	2,314399E+22	2,085893E+22	1,918243E+22	1,918247E+22	2,085897E+22	2,314401E+22
-20	2,487417E+22	2,558567E+22	2,563939E+22	2,563956E+22	2,558593E+22	2,487426E+22	2,314418E+22	2,085926E+22	1,918278E+22	1,918267E+22	2,085894E+22	2,314396E+22
-19	2,487470E+22	2,558697E+22	2,564075E+22	2,564069E+22	2,558677E+22	2,487457E+22	2,314416E+22	2,085932E+22	1,918312E+22	1,918323E+22	2,085957E+22	2,314433E+22
-18	2,487434E+22	2,558608E+22	2,563969E+22	2,563946E+22	2,558589E+22	2,487426E+22	2,314414E+22	2,085946E+22	1,918333E+22	1,918334E+22	2,085945E+22	2,314396E+22
-17	2,487377E+22	2,558557E+22	2,563994E+22	2,564043E+22	2,558682E+22	2,487498E+22	2,314467E+22	2,085973E+22	1,918346E+22	1,918344E+22	2,085963E+22	2,314453E+22
-16	2,487496E+22	2,558669E+22	2,564031E+22	2,564030E+22	2,558649E+22	2,487462E+22	2,314452E+22	2,085984E+22	1,918375E+22	1,918388E+22	2,086005E+22	2,314451E+22
-15	2,487428E+22	2,558573E+22	2,563912E+22	2,563907E+22	2,558565E+22	2,487429E+22	2,314461E+22	2,086019E+22	1,918396E+22	1,918370E+22	2,085959E+22	2,314408E+22
-14	2,487415E+22	2,558623E+22	2,564036E+22	2,564045E+22	2,558668E+22	2,487485E+22	2,314470E+22	2,086003E+22	1,918390E+22	1,918382E+22	2,085986E+22	2,314462E+22
-13	2,487491E+22	2,558672E+22	2,564036E+22	2,563992E+22	2,558576E+22	2,487396E+22	2,314414E+22	2,085976E+22	1,918383E+22	1,918391E+22	2,085990E+22	2,314422E+22

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-12	2,487399E+22	2,558558E+22	2,563940E+22	2,563970E+22	2,558605E+22	2,487422E+22	2,314419E+22	2,085963E+22	1,918355E+22	1,918357E+22	2,085963E+22	2,314414E+22
-11	2,487433E+22	2,558655E+22	2,564060E+22	2,564070E+22	2,558694E+22	2,487486E+22	2,314433E+22	2,085938E+22	1,918321E+22	1,918340E+22	2,085986E+22	2,314473E+22
-10	2,487465E+22	2,558612E+22	2,563965E+22	2,563945E+22	2,558583E+22	2,487431E+22	2,314420E+22	2,085930E+22	1,918293E+22	1,918290E+22	2,085917E+22	2,314398E+22
-9	2,487401E+22	2,558555E+22	2,563947E+22	2,563989E+22	2,558640E+22	2,487474E+22	2,314452E+22	2,085943E+22	1,918283E+22	1,918259E+22	2,085883E+22	2,314399E+22
-8	2,487486E+22	2,558693E+22	2,564038E+22	2,564018E+22	2,558636E+22	2,487446E+22	2,314419E+22	2,085923E+22	1,918285E+22	1,918288E+22	2,085922E+22	2,314400E+22
-7	2,487411E+22	2,558587E+22	2,563934E+22	2,563907E+22	2,558548E+22	2,487398E+22	2,314407E+22	2,085932E+22	1,918283E+22	1,918262E+22	2,085881E+22	2,314355E+22
-6	2,487361E+22	2,558557E+22	2,563986E+22	2,564029E+22	2,558666E+22	2,487476E+22	2,314426E+22	2,085914E+22	1,918271E+22	1,918270E+22	2,085914E+22	2,314426E+22
-5	2,487468E+22	2,558638E+22	2,564002E+22	2,563991E+22	2,558600E+22	2,487413E+22	2,314388E+22	2,085890E+22	1,918261E+22	1,918285E+22	2,085940E+22	2,314421E+22
-4	2,487412E+22	2,558546E+22	2,563883E+22	2,563906E+22	2,558576E+22	2,487419E+22	2,314406E+22	2,085911E+22	1,918267E+22	1,918270E+22	2,085907E+22	2,314394E+22
-3	2,487427E+22	2,558639E+22	2,564023E+22	2,564017E+22	2,558655E+22	2,487477E+22	2,314436E+22	2,085929E+22	1,918291E+22	1,918295E+22	2,085944E+22	2,314457E+22
-2	2,487487E+22	2,558655E+22	2,564003E+22	2,563958E+22	2,558565E+22	2,487402E+22	2,314404E+22	2,085936E+22	1,918316E+22	1,918315E+22	2,085926E+22	2,314389E+22
-1	2,487393E+22	2,558558E+22	2,563956E+22	2,563996E+22	2,558625E+22	2,487441E+22	2,314437E+22	2,085973E+22	1,918354E+22	1,918338E+22	2,085932E+22	2,314396E+22
1	2,487448E+22	2,558673E+22	2,564062E+22	2,564067E+22	2,558679E+22	2,487466E+22	2,314435E+22	2,085973E+22	1,918382E+22	1,918403E+22	2,086019E+22	2,314459E+22
2	2,487428E+22	2,558590E+22	2,563960E+22	2,563949E+22	2,558578E+22	2,487426E+22	2,314450E+22	2,086011E+22	1,918405E+22	1,918398E+22	2,085987E+22	2,314414E+22
3	2,487377E+22	2,558541E+22	2,563963E+22	2,564021E+22	2,558668E+22	2,487500E+22	2,314498E+22	2,086040E+22	1,918431E+22	1,918419E+22	2,086007E+22	2,314464E+22
4	2,487490E+22	2,558681E+22	2,564045E+22	2,564016E+22	2,558613E+22	2,487434E+22	2,314453E+22	2,086023E+22	1,918442E+22	1,918454E+22	2,086045E+22	2,314464E+22
5	2,487433E+22	2,558592E+22	2,563941E+22	2,563922E+22	2,558549E+22	2,487402E+22	2,314450E+22	2,086039E+22	1,918456E+22	1,918447E+22	2,086008E+22	2,314410E+22
6	2,487397E+22	2,558619E+22	2,564049E+22	2,564057E+22	2,558658E+22	2,487461E+22	2,314463E+22	2,086034E+22	1,918456E+22	1,918457E+22	2,086043E+22	2,314484E+22
7	2,487482E+22	2,558658E+22	2,564035E+22	2,564019E+22	2,558608E+22	2,487406E+22	2,314410E+22	2,085987E+22	1,918421E+22	1,918439E+22	2,086026E+22	2,314439E+22
8	2,487399E+22	2,558546E+22	2,563927E+22	2,563978E+22	2,558629E+22	2,487452E+22	2,314451E+22	2,085998E+22	1,918393E+22	1,918386E+22	2,085978E+22	2,314427E+22
9	2,487447E+22	2,558659E+22	2,564047E+22	2,564045E+22	2,558669E+22	2,487480E+22	2,314457E+22	2,085983E+22	1,918372E+22	1,918381E+22	2,086007E+22	2,314478E+22
10	2,487468E+22	2,558627E+22	2,563984E+22	2,563948E+22	2,558552E+22	2,487405E+22	2,314442E+22	2,085991E+22	1,918362E+22	1,918339E+22	2,085928E+22	2,314378E+22
11	2,487374E+22	2,558545E+22	2,563949E+22	2,563997E+22	2,558634E+22	2,487462E+22	2,314464E+22	2,085995E+22	1,918365E+22	1,918339E+22	2,085927E+22	2,314387E+22
12	2,487441E+22	2,558676E+22	2,564054E+22	2,564037E+22	2,558635E+22	2,487426E+22	2,314405E+22	2,085940E+22	1,918340E+22	1,918359E+22	2,085981E+22	2,314424E+22
13	2,487399E+22	2,558569E+22	2,563927E+22	2,563918E+22	2,558562E+22	2,487406E+22	2,314407E+22	2,085942E+22	1,918329E+22	1,918335E+22	2,085944E+22	2,314386E+22
14	2,487361E+22	2,558544E+22	2,563968E+22	2,564011E+22	2,558651E+22	2,487475E+22	2,314450E+22	2,085960E+22	1,918332E+22	1,918333E+22	2,085967E+22	2,314466E+22
15	2,487492E+22	2,558647E+22	2,563994E+22	2,563990E+22	2,558602E+22	2,487411E+22	2,314400E+22	2,085930E+22	1,918318E+22	1,918332E+22	2,085962E+22	2,314430E+22
16	2,487425E+22	2,558566E+22	2,563896E+22	2,563913E+22	2,558576E+22	2,487424E+22	2,314432E+22	2,085965E+22	1,918337E+22	1,918321E+22	2,085925E+22	2,314392E+22
17	2,487425E+22	2,558654E+22	2,564047E+22	2,564025E+22	2,558633E+22	2,487449E+22	2,314440E+22	2,085975E+22	1,918367E+22	1,918373E+22	2,085991E+22	2,314461E+22
18	2,487466E+22	2,558649E+22	2,564027E+22	2,563992E+22	2,558565E+22	2,487383E+22	2,314415E+22	2,085988E+22	1,918394E+22	1,918392E+22	2,085974E+22	2,314393E+22
19	2,487363E+22	2,558525E+22	2,563934E+22	2,564002E+22	2,558646E+22	2,487463E+22	2,314463E+22	2,086022E+22	1,918433E+22	1,918425E+22	2,085995E+22	2,314414E+22
20	2,487426E+22	2,558656E+22	2,564054E+22	2,564055E+22	2,558667E+22	2,487464E+22	2,314451E+22	2,086010E+22	1,918439E+22	1,918465E+22	2,086068E+22	2,314489E+22
21	2,487445E+22	2,558599E+22	2,563956E+22	2,563936E+22	2,558562E+22	2,487417E+22	2,314463E+22	2,086052E+22	1,918473E+22	1,918468E+22	2,086026E+22	2,314423E+22
22	2,487380E+22	2,558554E+22	2,563970E+22	2,564002E+22	2,558628E+22	2,487468E+22	2,314509E+22	2,086099E+22	1,918518E+22	1,918496E+22	2,086050E+22	2,314474E+22
23	2,487485E+22	2,558686E+22	2,564063E+22	2,564043E+22	2,558619E+22	2,487410E+22	2,314441E+22	2,086054E+22	1,918509E+22	1,918521E+22	2,086080E+22	2,314465E+22
24	2,487417E+22	2,558587E+22	2,563957E+22	2,563957E+22	2,558580E+22	2,487413E+22	2,314456E+22	2,086067E+22	1,918509E+22	1,918501E+22	2,086046E+22	2,314427E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
25	2,487389E+22	2,558606E+22	2,564046E+22	2,564058E+22	2,558658E+22	2,487462E+22	2,314472E+22	2,086058E+22	1,918500E+22	1,918512E+22	2,086091E+22	2,314512E+22
26	2,487485E+22	2,558652E+22	2,564037E+22	2,564028E+22	2,558605E+22	2,487410E+22	2,314444E+22	2,086038E+22	1,918470E+22	1,918477E+22	2,086045E+22	2,314444E+22
27	2,487397E+22	2,558540E+22	2,563910E+22	2,563965E+22	2,558630E+22	2,487465E+22	2,314484E+22	2,086056E+22	1,918465E+22	1,918443E+22	2,086002E+22	2,314416E+22
28	2,487423E+22	2,558664E+22	2,564061E+22	2,564036E+22	2,558646E+22	2,487462E+22	2,314464E+22	2,086022E+22	1,918434E+22	1,918438E+22	2,086035E+22	2,314477E+22
29	2,487456E+22	2,558630E+22	2,564003E+22	2,563964E+22	2,558548E+22	2,487385E+22	2,314436E+22	2,086019E+22	1,918429E+22	1,918418E+22	2,085977E+22	2,314381E+22
30	2,487348E+22	2,558523E+22	2,563939E+22	2,563991E+22	2,558622E+22	2,487442E+22	2,314461E+22	2,086031E+22	1,918435E+22	1,918420E+22	2,085993E+22	2,314424E+22
31	2,487435E+22	2,558648E+22	2,564031E+22	2,564043E+22	2,558654E+22	2,487431E+22	2,314404E+22	2,085956E+22	1,918382E+22	1,918412E+22	2,086028E+22	2,314460E+22
32	2,487417E+22	2,558569E+22	2,563916E+22	2,563911E+22	2,558565E+22	2,487417E+22	2,314430E+22	2,085975E+22	1,918367E+22	1,918365E+22	2,085968E+22	2,314413E+22
33	2,487386E+22	2,558563E+22	2,563969E+22	2,563984E+22	2,558611E+22	2,487447E+22	2,314457E+22	2,086000E+22	1,918389E+22	1,918382E+22	2,085992E+22	2,314476E+22
34	2,487504E+22	2,558677E+22	2,564032E+22	2,564005E+22	2,558578E+22	2,487384E+22	2,314414E+22	2,085985E+22	1,918389E+22	1,918387E+22	2,085975E+22	2,314410E+22
35	2,487402E+22	2,558567E+22	2,563916E+22	2,563940E+22	2,558588E+22	2,487419E+22	2,314443E+22	2,086018E+22	1,918425E+22	1,918405E+22	2,085966E+22	2,314373E+22
36	2,487376E+22	2,558637E+22	2,564066E+22	2,564052E+22	2,558648E+22	2,487447E+22	2,314442E+22	2,086007E+22	1,918433E+22	1,918447E+22	2,086044E+22	2,314476E+22
37	2,487448E+22	2,558628E+22	2,564025E+22	2,564009E+22	2,558589E+22	2,487401E+22	2,314432E+22	2,086023E+22	1,918462E+22	1,918473E+22	2,086031E+22	2,314413E+22
38	2,487351E+22	2,558502E+22	2,563910E+22	2,563978E+22	2,558630E+22	2,487466E+22	2,314500E+22	2,086091E+22	1,918518E+22	1,918504E+22	2,086053E+22	2,314449E+22
39	2,487436E+22	2,558647E+22	2,564036E+22	2,564047E+22	2,558666E+22	2,487460E+22	2,314467E+22	2,086063E+22	1,918516E+22	1,918532E+22	2,086103E+22	2,314503E+22
40	2,487454E+22	2,558615E+22	2,563969E+22	2,563935E+22	2,558551E+22	2,487410E+22	2,314481E+22	2,086105E+22	1,918551E+22	1,918535E+22	2,086063E+22	2,314435E+22
41	2,487379E+22	2,558563E+22	2,563991E+22	2,564006E+22	2,558600E+22	2,487426E+22	2,314496E+22	2,086135E+22	1,918594E+22	1,918580E+22	2,086110E+22	2,314496E+22
42	2,487479E+22	2,558684E+22	2,564085E+22	2,564072E+22	2,558622E+22	2,487394E+22	2,314441E+22	2,086086E+22	1,918568E+22	1,918586E+22	2,086126E+22	2,314481E+22
43	2,487406E+22	2,558566E+22	2,563946E+22	2,563965E+22	2,558604E+22	2,487435E+22	2,314477E+22	2,086100E+22	1,918563E+22	1,918562E+22	2,086090E+22	2,314442E+22
44	2,487381E+22	2,558603E+22	2,564047E+22	2,564051E+22	2,558651E+22	2,487465E+22	2,314488E+22	2,086086E+22	1,918536E+22	1,918545E+22	2,086113E+22	2,314528E+22
45	2,487500E+22	2,558665E+22	2,564043E+22	2,564024E+22	2,558599E+22	2,487408E+22	2,314456E+22	2,086074E+22	1,918527E+22	1,918527E+22	2,086060E+22	2,314432E+22
46	2,487383E+22	2,558545E+22	2,563919E+22	2,563952E+22	2,558604E+22	2,487447E+22	2,314501E+22	2,086114E+22	1,918544E+22	1,918513E+22	2,086036E+22	2,314415E+22
47	2,487401E+22	2,558644E+22	2,564064E+22	2,564058E+22	2,558658E+22	2,487446E+22	2,314454E+22	2,086050E+22	1,918495E+22	1,918501E+22	2,086068E+22	2,314475E+22
48	2,487433E+22	2,558609E+22	2,563999E+22	2,563976E+22	2,558568E+22	2,487397E+22	2,314445E+22	2,086048E+22	1,918481E+22	1,918471E+22	2,086022E+22	2,314410E+22
49	2,487346E+22	2,558504E+22	2,563924E+22	2,563974E+22	2,558604E+22	2,487429E+22	2,314465E+22	2,086058E+22	1,918484E+22	1,918477E+22	2,086045E+22	2,314464E+22
50	2,487455E+22	2,558648E+22	2,564030E+22	2,564033E+22	2,558632E+22	2,487418E+22	2,314427E+22	2,086003E+22	1,918433E+22	1,918454E+22	2,086050E+22	2,314472E+22
51	2,487428E+22	2,558578E+22	2,563917E+22	2,563902E+22	2,558559E+22	2,487419E+22	2,314452E+22	2,086026E+22	1,918439E+22	1,918426E+22	2,085993E+22	2,314402E+22
52	2,487374E+22	2,558587E+22	2,564006E+22	2,563990E+22	2,558590E+22	2,487422E+22	2,314454E+22	2,086033E+22	1,918450E+22	1,918442E+22	2,086020E+22	2,314471E+22
53	2,487490E+22	2,558684E+22	2,564066E+22	2,564041E+22	2,558593E+22	2,487371E+22	2,314404E+22	2,086016E+22	1,918465E+22	1,918472E+22	2,086021E+22	2,314405E+22
54	2,487367E+22	2,558540E+22	2,563917E+22	2,563951E+22	2,558601E+22	2,487422E+22	2,314455E+22	2,086066E+22	1,918509E+22	1,918498E+22	2,086035E+22	2,314403E+22
55	2,487359E+22	2,558591E+22	2,564037E+22	2,564060E+22	2,558678E+22	2,487467E+22	2,314460E+22	2,086045E+22	1,918496E+22	1,918515E+22	2,086092E+22	2,314503E+22
56	2,487455E+22	2,558617E+22	2,564008E+22	2,563995E+22	2,558591E+22	2,487420E+22	2,314472E+22	2,086083E+22	1,918528E+22	1,918527E+22	2,086071E+22	2,314445E+22
57	2,487370E+22	2,558512E+22	2,563908E+22	2,563944E+22	2,558582E+22	2,487433E+22	2,314511E+22	2,086148E+22	1,918600E+22	1,918578E+22	2,086098E+22	2,314470E+22
58	2,487449E+22	2,558666E+22	2,564066E+22	2,564051E+22	2,558632E+22	2,487428E+22	2,314478E+22	2,086117E+22	1,918597E+22	1,918605E+22	2,086137E+22	2,314500E+22
59	2,487442E+22	2,558616E+22	2,563991E+22	2,563959E+22	2,558561E+22	2,487401E+22	2,314481E+22	2,086144E+22	1,918630E+22	1,918621E+22	2,086115E+22	2,314433E+22
60	2,487352E+22	2,558559E+22	2,564011E+22	2,564026E+22	2,558611E+22	2,487421E+22	2,314485E+22	2,086148E+22	1,918640E+22	1,918642E+22	2,086160E+22	2,314521E+22

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°
61	2,487482E+22	2,558679E+22	2,564093E+22	2,564092E+22	2,558647E+22	2,487411E+22	2,314450E+22	2,086110E+22	1,918619E+22	1,918643E+22	2,086162E+22	2,314494E+22
62	2,487404E+22	2,558556E+22	2,563935E+22	2,563950E+22	2,558596E+22	2,487443E+22	2,314510E+22	2,086158E+22	1,918630E+22	1,918616E+22	2,086121E+22	2,314456E+22
63	2,487382E+22	2,558588E+22	2,564035E+22	2,564050E+22	2,558657E+22	2,487469E+22	2,314508E+22	2,086133E+22	1,918598E+22	1,918591E+22	2,086124E+22	2,314516E+22
64	2,487492E+22	2,558671E+22	2,564058E+22	2,564027E+22	2,558591E+22	2,487406E+22	2,314477E+22	2,086124E+22	1,918591E+22	1,918579E+22	2,086087E+22	2,314431E+22
65	2,487362E+22	2,558531E+22	2,563925E+22	2,563944E+22	2,558571E+22	2,487407E+22	2,314488E+22	2,086147E+22	1,918614E+22	1,918591E+22	2,086093E+22	2,314435E+22
66	2,487391E+22	2,558622E+22	2,564061E+22	2,564060E+22	2,558652E+22	2,487437E+22	2,314456E+22	2,086075E+22	1,918549E+22	1,918564E+22	2,086115E+22	2,314497E+22
67	2,487431E+22	2,558588E+22	2,563978E+22	2,563965E+22	2,558572E+22	2,487407E+22	2,314457E+22	2,086074E+22	1,918531E+22	1,918531E+22	2,086066E+22	2,314427E+22
68	2,487354E+22	2,558515E+22	2,563929E+22	2,563959E+22	2,558580E+22	2,487410E+22	2,314463E+22	2,086078E+22	1,918520E+22	1,918512E+22	2,086069E+22	2,314483E+22
69	2,487480E+22	2,558677E+22	2,564056E+22	2,564040E+22	2,558622E+22	2,487400E+22	2,314421E+22	2,086034E+22	1,918495E+22	1,918507E+22	2,086063E+22	2,314457E+22
70	2,487416E+22	2,558588E+22	2,563946E+22	2,563913E+22	2,558548E+22	2,487403E+22	2,314461E+22	2,086077E+22	1,918517E+22	1,918500E+22	2,086029E+22	2,314397E+22
71	2,487346E+22	2,558560E+22	2,564018E+22	2,564034E+22	2,558627E+22	2,487428E+22	2,314456E+22	2,086065E+22	1,918515E+22	1,918510E+22	2,086056E+22	2,314464E+22
72	2,487461E+22	2,558660E+22	2,564067E+22	2,564062E+22	2,558629E+22	2,487407E+22	2,314435E+22	2,086059E+22	1,918526E+22	1,918535E+22	2,086073E+22	2,314432E+22
73	2,487355E+22	2,558510E+22	2,563898E+22	2,563932E+22	2,558586E+22	2,487424E+22	2,314483E+22	2,086121E+22	1,918586E+22	1,918577E+22	2,086098E+22	2,314445E+22
74	2,487377E+22	2,558580E+22	2,564020E+22	2,564038E+22	2,558655E+22	2,487467E+22	2,314498E+22	2,086112E+22	1,918577E+22	1,918584E+22	2,086130E+22	2,314519E+22
75	2,487466E+22	2,558621E+22	2,564001E+22	2,563976E+22	2,558572E+22	2,487416E+22	2,314496E+22	2,086149E+22	1,918624E+22	1,918616E+22	2,086116E+22	2,314446E+22
76	2,487368E+22	2,558538E+22	2,563942E+22	2,563945E+22	2,558547E+22	2,487391E+22	2,314498E+22	2,086183E+22	1,918672E+22	1,918656E+22	2,086148E+22	2,314486E+22
77	2,487452E+22	2,558678E+22	2,564100E+22	2,564082E+22	2,558634E+22	2,487399E+22	2,314453E+22	2,086142E+22	1,918672E+22	1,918691E+22	2,086190E+22	2,314508E+22
78	2,487424E+22	2,558601E+22	2,563999E+22	2,563976E+22	2,558574E+22	2,487405E+22	2,314486E+22	2,086176E+22	1,918695E+22	1,918698E+22	2,086176E+22	2,314465E+22
79	2,487352E+22	2,558533E+22	2,563998E+22	2,564043E+22	2,558639E+22	2,487440E+22	2,314499E+22	2,086171E+22	1,918678E+22	1,918682E+22	2,086183E+22	2,314529E+22
80	2,487489E+22	2,558682E+22	2,564089E+22	2,564084E+22	2,558652E+22	2,487436E+22	2,314489E+22	2,086160E+22	1,918666E+22	1,918673E+22	2,086177E+22	2,314500E+22
81	2,487404E+22	2,558560E+22	2,563940E+22	2,563931E+22	2,558559E+22	2,487420E+22	2,314524E+22	2,086212E+22	1,918704E+22	1,918677E+22	2,086148E+22	2,314455E+22
82	2,487375E+22	2,558584E+22	2,564047E+22	2,564053E+22	2,558631E+22	2,487449E+22	2,314522E+22	2,086183E+22	1,918671E+22	1,918657E+22	2,086149E+22	2,314498E+22
83	2,487459E+22	2,558647E+22	2,564058E+22	2,564040E+22	2,558599E+22	2,487404E+22	2,314482E+22	2,086161E+22	1,918664E+22	1,918661E+22	2,086139E+22	2,314429E+22
84	2,487336E+22	2,558517E+22	2,563927E+22	2,563945E+22	2,558562E+22	2,487393E+22	2,314475E+22	2,086155E+22	1,918652E+22	1,918648E+22	2,086146E+22	2,314469E+22
85	2,487402E+22	2,558617E+22	2,564057E+22	2,564061E+22	2,558650E+22	2,487433E+22	2,314453E+22	2,086094E+22	1,918596E+22	1,918618E+22	2,086151E+22	2,314515E+22
86	2,487442E+22	2,558589E+22	2,563972E+22	2,563951E+22	2,558559E+22	2,487405E+22	2,314474E+22	2,086117E+22	1,918589E+22	1,918585E+22	2,086100E+22	2,314446E+22
87	2,487367E+22	2,558515E+22	2,563933E+22	2,563971E+22	2,558585E+22	2,487408E+22	2,314469E+22	2,086109E+22	1,918572E+22	1,918557E+22	2,086080E+22	2,314469E+22
88	2,487474E+22	2,558692E+22	2,564086E+22	2,564062E+22	2,558628E+22	2,487407E+22	2,314442E+22	2,086079E+22	1,918554E+22	1,918560E+22	2,086095E+22	2,314457E+22
89	2,487392E+22	2,558573E+22	2,563960E+22	2,563928E+22	2,558540E+22	2,487385E+22	2,314461E+22	2,086120E+22	1,918595E+22	1,918584E+22	2,086089E+22	2,314418E+22
90	2,487332E+22	2,558528E+22	2,564005E+22	2,564038E+22	2,558634E+22	2,487445E+22	2,314484E+22	2,086109E+22	1,918584E+22	1,918584E+22	2,086107E+22	2,314481E+22
91	2,487452E+22	2,558633E+22	2,564042E+22	2,564048E+22	2,558631E+22	2,487430E+22	2,314473E+22	2,086114E+22	1,918601E+22	1,918613E+22	2,086125E+22	2,314449E+22
92	2,487364E+22	2,558521E+22	2,563894E+22	2,563903E+22	2,558545E+22	2,487401E+22	2,314492E+22	2,086165E+22	1,918652E+22	1,918640E+22	2,086139E+22	2,314469E+22
93	2,487403E+22	2,558611E+22	2,564043E+22	2,564036E+22	2,558626E+22	2,487435E+22	2,314490E+22	2,086159E+22	1,918666E+22	1,918664E+22	2,086164E+22	2,314515E+22
94	2,487461E+22	2,558634E+22	2,564028E+22	2,563988E+22	2,558552E+22	2,487385E+22	2,314491E+22	2,086194E+22	1,918711E+22	1,918706E+22	2,086171E+22	2,314455E+22
95	2,487352E+22	2,558519E+22	2,563956E+22	2,563992E+22	2,558577E+22	2,487386E+22	2,314485E+22	2,086201E+22	1,918729E+22	1,918723E+22	2,086190E+22	2,314492E+22
96	2,487438E+22	2,558670E+22	2,564114E+22	2,564111E+22	2,558667E+22	2,487430E+22	2,314477E+22	2,086172E+22	1,918715E+22	1,918740E+22	2,086236E+22	2,314534E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
97	2,487416E+22	2,558581E+22	2,563993E+22	2,563973E+22	2,558564E+22	2,487407E+22	2,314512E+22	2,086224E+22	1,918757E+22	1,918757E+22	2,086219E+22	2,314490E+22
98	2,487362E+22	2,558525E+22	2,563987E+22	2,564031E+22	2,558630E+22	2,487457E+22	2,314544E+22	2,086231E+22	1,918747E+22	1,918735E+22	2,086200E+22	2,314517E+22
99	2,487478E+22	2,558681E+22	2,564087E+22	2,564074E+22	2,558642E+22	2,487442E+22	2,314521E+22	2,086222E+22	1,918751E+22	1,918749E+22	2,086206E+22	2,314480E+22
100	2,487383E+22	2,558567E+22	2,563959E+22	2,563930E+22	2,558525E+22	2,487383E+22	2,314514E+22	2,086245E+22	1,918771E+22	1,918750E+22	2,086196E+22	2,314466E+22
101	2,487365E+22	2,558576E+22	2,564053E+22	2,564070E+22	2,558630E+22	2,487422E+22	2,314496E+22	2,086204E+22	1,918741E+22	1,918736E+22	2,086203E+22	2,314512E+22
102	2,487442E+22	2,558619E+22	2,564039E+22	2,564036E+22	2,558599E+22	2,487402E+22	2,314483E+22	2,086184E+22	1,918716E+22	1,918730E+22	2,086203E+22	2,314473E+22
103	2,487348E+22	2,558494E+22	2,563907E+22	2,563950E+22	2,558571E+22	2,487398E+22	2,314480E+22	2,086166E+22	1,918676E+22	1,918677E+22	2,086171E+22	2,314489E+22
104	2,487427E+22	2,558640E+22	2,564065E+22	2,564055E+22	2,558641E+22	2,487440E+22	2,314478E+22	2,086130E+22	1,918628E+22	1,918640E+22	2,086168E+22	2,314524E+22
105	2,487448E+22	2,558608E+22	2,563995E+22	2,563950E+22	2,558526E+22	2,487379E+22	2,314480E+22	2,086161E+22	1,918654E+22	1,918640E+22	2,086124E+22	2,314443E+22
106	2,487362E+22	2,558522E+22	2,563957E+22	2,563990E+22	2,558583E+22	2,487407E+22	2,314487E+22	2,086153E+22	1,918639E+22	1,918619E+22	2,086102E+22	2,314443E+22
107	2,487435E+22	2,558670E+22	2,564089E+22	2,564087E+22	2,558655E+22	2,487428E+22	2,314464E+22	2,086126E+22	1,918632E+22	1,918641E+22	2,086141E+22	2,314451E+22
108	2,487365E+22	2,558556E+22	2,563956E+22	2,563932E+22	2,558537E+22	2,487386E+22	2,314473E+22	2,086153E+22	1,918655E+22	1,918653E+22	2,086147E+22	2,314452E+22
109	2,487341E+22	2,558516E+22	2,563987E+22	2,564029E+22	2,558624E+22	2,487439E+22	2,314497E+22	2,086161E+22	1,918663E+22	1,918658E+22	2,086153E+22	2,314498E+22
110	2,487453E+22	2,558626E+22	2,564026E+22	2,564027E+22	2,558607E+22	2,487422E+22	2,314498E+22	2,086177E+22	1,918689E+22	1,918696E+22	2,086181E+22	2,314474E+22
111	2,487373E+22	2,558523E+22	2,563904E+22	2,563914E+22	2,558530E+22	2,487378E+22	2,314489E+22	2,086201E+22	1,918719E+22	1,918707E+22	2,086173E+22	2,314468E+22
112	2,487401E+22	2,558631E+22	2,564076E+22	2,564057E+22	2,558617E+22	2,487418E+22	2,314493E+22	2,086197E+22	1,918729E+22	1,918734E+22	2,086218E+22	2,314529E+22
113	2,487442E+22	2,558625E+22	2,564047E+22	2,564012E+22	2,558552E+22	2,487364E+22	2,314480E+22	2,086224E+22	1,918784E+22	1,918790E+22	2,086237E+22	2,314487E+22
114	2,487352E+22	2,558504E+22	2,563950E+22	2,564001E+22	2,558594E+22	2,487412E+22	2,314510E+22	2,086233E+22	1,918784E+22	1,918784E+22	2,086231E+22	2,314503E+22
115	2,487431E+22	2,558655E+22	2,564099E+22	2,564108E+22	2,558678E+22	2,487461E+22	2,314522E+22	2,086229E+22	1,918781E+22	1,918799E+22	2,086266E+22	2,314536E+22
116	2,487420E+22	2,558595E+22	2,563996E+22	2,563960E+22	2,558535E+22	2,487392E+22	2,314529E+22	2,086272E+22	1,918819E+22	1,918809E+22	2,086245E+22	2,314496E+22
117	2,487369E+22	2,558540E+22	2,563999E+22	2,564032E+22	2,558608E+22	2,487430E+22	2,314544E+22	2,086284E+22	1,918834E+22	1,918808E+22	2,086227E+22	2,314499E+22
118	2,487445E+22	2,558669E+22	2,564094E+22	2,564082E+22	2,558631E+22	2,487424E+22	2,314524E+22	2,086266E+22	1,918830E+22	1,918834E+22	2,086264E+22	2,314491E+22
119	2,487357E+22	2,558534E+22	2,563954E+22	2,563958E+22	2,558543E+22	2,487376E+22	2,314503E+22	2,086256E+22	1,918815E+22	1,918809E+22	2,086242E+22	2,314483E+22
120	2,487360E+22	2,558569E+22	2,564050E+22	2,564074E+22	2,558638E+22	2,487437E+22	2,314515E+22	2,086227E+22	1,918771E+22	1,918778E+22	2,086253E+22	2,314550E+22
121	2,487450E+22	2,558612E+22	2,564028E+22	2,564023E+22	2,558577E+22	2,487389E+22	2,314495E+22	2,086220E+22	1,918766E+22	1,918776E+22	2,086241E+22	2,314505E+22
122	2,487375E+22	2,558509E+22	2,563903E+22	2,563936E+22	2,558560E+22	2,487406E+22	2,314508E+22	2,086209E+22	1,918728E+22	1,918716E+22	2,086180E+22	2,314478E+22
123	2,487423E+22	2,558657E+22	2,564084E+22	2,564061E+22	2,558634E+22	2,487443E+22	2,314504E+22	2,086183E+22	1,918699E+22	1,918700E+22	2,086186E+22	2,314500E+22
124	2,487427E+22	2,558621E+22	2,564024E+22	2,563969E+22	2,558508E+22	2,487348E+22	2,314473E+22	2,086192E+22	1,918715E+22	1,918706E+22	2,086165E+22	2,314447E+22
125	2,487344E+22	2,558512E+22	2,563963E+22	2,564016E+22	2,558598E+22	2,487396E+22	2,314477E+22	2,086188E+22	1,918718E+22	1,918700E+22	2,086154E+22	2,314449E+22
126	2,487403E+22	2,558634E+22	2,564065E+22	2,564082E+22	2,558660E+22	2,487439E+22	2,314484E+22	2,086166E+22	1,918699E+22	1,918720E+22	2,086206E+22	2,314485E+22
127	2,487364E+22	2,558526E+22	2,563929E+22	2,563930E+22	2,558535E+22	2,487385E+22	2,314488E+22	2,086188E+22	1,918706E+22	1,918705E+22	2,086182E+22	2,314472E+22
128	2,487360E+22	2,558537E+22	2,563990E+22	2,564017E+22	2,558602E+22	2,487431E+22	2,314520E+22	2,086210E+22	1,918722E+22	1,918711E+22	2,086193E+22	2,314516E+22
129	2,487454E+22	2,558638E+22	2,564043E+22	2,564022E+22	2,558567E+22	2,487380E+22	2,314494E+22	2,086226E+22	1,918773E+22	1,918777E+22	2,086230E+22	2,314489E+22
130	2,487373E+22	2,558532E+22	2,563927E+22	2,563934E+22	2,558532E+22	2,487374E+22	2,314496E+22	2,086236E+22	1,918789E+22	1,918782E+22	2,086214E+22	2,314463E+22
131	2,487376E+22	2,558621E+22	2,564089E+22	2,564087E+22	2,558645E+22	2,487436E+22	2,314511E+22	2,086236E+22	1,918800E+22	1,918813E+22	2,086267E+22	2,314534E+22
132	2,487429E+22	2,558620E+22	2,564050E+22	2,564025E+22	2,558556E+22	2,487368E+22	2,314494E+22	2,086257E+22	1,918837E+22	1,918850E+22	2,086285E+22	2,314516E+22

1 Longitude ⊙	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
133	2,487364E+22	2,558504E+22	2,563944E+22	2,564005E+22	2,558599E+22	2,487414E+22	2,314531E+22	2,086292E+22	1,918864E+22	1,918847E+22	2,086261E+22	2,314505E+22
134	2,487420E+22	2,558646E+22	2,564086E+22	2,564093E+22	2,558666E+22	2,487465E+22	2,314557E+22	2,086298E+22	1,918868E+22	1,918874E+22	2,086306E+22	2,314543E+22
135	2,487410E+22	2,558586E+22	2,564002E+22	2,563972E+22	2,558525E+22	2,487376E+22	2,314539E+22	2,086318E+22	1,918889E+22	1,918875E+22	2,086277E+22	2,314492E+22
136	2,487355E+22	2,558545E+22	2,564016E+22	2,564044E+22	2,558600E+22	2,487413E+22	2,314550E+22	2,086323E+22	1,918895E+22	1,918879E+22	2,086287E+22	2,314519E+22
137	2,487420E+22	2,558643E+22	2,564088E+22	2,564086E+22	2,558621E+22	2,487401E+22	2,314513E+22	2,086292E+22	1,918894E+22	1,918912E+22	2,086333E+22	2,314536E+22
138	2,487368E+22	2,558524E+22	2,563937E+22	2,563945E+22	2,558546E+22	2,487393E+22	2,314518E+22	2,086274E+22	1,918852E+22	1,918855E+22	2,086278E+22	2,314504E+22
139	2,487370E+22	2,558572E+22	2,564042E+22	2,564061E+22	2,558632E+22	2,487446E+22	2,314542E+22	2,086267E+22	1,918818E+22	1,918818E+22	2,086270E+22	2,314554E+22
140	2,487468E+22	2,558645E+22	2,564046E+22	2,564018E+22	2,558548E+22	2,487361E+22	2,314495E+22	2,086251E+22	1,918813E+22	1,918813E+22	2,086254E+22	2,314507E+22
141	2,487384E+22	2,558538E+22	2,563934E+22	2,563955E+22	2,558548E+22	2,487374E+22	2,314499E+22	2,086252E+22	1,918801E+22	1,918772E+22	2,086192E+22	2,314449E+22
142	2,487379E+22	2,558638E+22	2,564096E+22	2,564087E+22	2,558646E+22	2,487438E+22	2,314513E+22	2,086225E+22	1,918771E+22	1,918775E+22	2,086232E+22	2,314500E+22
143	2,487388E+22	2,558580E+22	2,564022E+22	2,564005E+22	2,558539E+22	2,487356E+22	2,314477E+22	2,086212E+22	1,918762E+22	1,918762E+22	2,086207E+22	2,314458E+22
144	2,487327E+22	2,558493E+22	2,563947E+22	2,564011E+22	2,558604E+22	2,487415E+22	2,314509E+22	2,086226E+22	1,918762E+22	1,918756E+22	2,086211E+22	2,314483E+22
145	2,487397E+22	2,558610E+22	2,564038E+22	2,564058E+22	2,558637E+22	2,487429E+22	2,314505E+22	2,086221E+22	1,918773E+22	1,918790E+22	2,086259E+22	2,314524E+22
146	2,487389E+22	2,558537E+22	2,563917E+22	2,563902E+22	2,558516E+22	2,487387E+22	2,314510E+22	2,086237E+22	1,918779E+22	1,918769E+22	2,086213E+22	2,314473E+22
147	2,487359E+22	2,558555E+22	2,564012E+22	2,564017E+22	2,558582E+22	2,487414E+22	2,314536E+22	2,086267E+22	1,918807E+22	1,918792E+22	2,086231E+22	2,314513E+22
148	2,487448E+22	2,558655E+22	2,564073E+22	2,564045E+22	2,558552E+22	2,487340E+22	2,314475E+22	2,086254E+22	1,918841E+22	1,918854E+22	2,086286E+22	2,314512E+22
149	2,487371E+22	2,558532E+22	2,563942E+22	2,563964E+22	2,558550E+22	2,487362E+22	2,314487E+22	2,086271E+22	1,918864E+22	1,918858E+22	2,086265E+22	2,314477E+22
150	2,487357E+22	2,558597E+22	2,564077E+22	2,564092E+22	2,558660E+22	2,487458E+22	2,314543E+22	2,086282E+22	1,918864E+22	1,918882E+22	2,086321E+22	2,314562E+22
151	2,487429E+22	2,558604E+22	2,564042E+22	2,564033E+22	2,558562E+22	2,487376E+22	2,314521E+22	2,086302E+22	1,918891E+22	1,918896E+22	2,086307E+22	2,314520E+22
152	2,487371E+22	2,558526E+22	2,563957E+22	2,563997E+22	2,558585E+22	2,487414E+22	2,314563E+22	2,086351E+22	1,918931E+22	1,918907E+22	2,086297E+22	2,314506E+22
153	2,487398E+22	2,558639E+22	2,564098E+22	2,564093E+22	2,558638E+22	2,487433E+22	2,314561E+22	2,086355E+22	1,918960E+22	1,918960E+22	2,086356E+22	2,314552E+22
154	2,487397E+22	2,558576E+22	2,564004E+22	2,563978E+22	2,558531E+22	2,487376E+22	2,314544E+22	2,086354E+22	1,918961E+22	1,918951E+22	2,086324E+22	2,314496E+22
155	2,487331E+22	2,558528E+22	2,564016E+22	2,564054E+22	2,558611E+22	2,487421E+22	2,314563E+22	2,086359E+22	1,918958E+22	1,918949E+22	2,086336E+22	2,314540E+22
156	2,487424E+22	2,558639E+22	2,564082E+22	2,564077E+22	2,558604E+22	2,487385E+22	2,314514E+22	2,086314E+22	1,918934E+22	1,918960E+22	2,086377E+22	2,314574E+22
157	2,487395E+22	2,558538E+22	2,563940E+22	2,563945E+22	2,558540E+22	2,487378E+22	2,314523E+22	2,086316E+22	1,918911E+22	1,918898E+22	2,086296E+22	2,314505E+22
158	2,487368E+22	2,558580E+22	2,564049E+22	2,564055E+22	2,558622E+22	2,487441E+22	2,314557E+22	2,086310E+22	1,918880E+22	1,918872E+22	2,086294E+22	2,314550E+22
159	2,487452E+22	2,558640E+22	2,564068E+22	2,564044E+22	2,558549E+22	2,487344E+22	2,314493E+22	2,086279E+22	1,918862E+22	1,918859E+22	2,086270E+22	2,314491E+22
160	2,487361E+22	2,558538E+22	2,563956E+22	2,563981E+22	2,558563E+22	2,487372E+22	2,314505E+22	2,086281E+22	1,918852E+22	1,918835E+22	2,086244E+22	2,314458E+22
161	2,487339E+22	2,558592E+22	2,564077E+22	2,564089E+22	2,558651E+22	2,487435E+22	2,314517E+22	2,086259E+22	1,918836E+22	1,918850E+22	2,086293E+22	2,314537E+22
162	2,487389E+22	2,558555E+22	2,563988E+22	2,563978E+22	2,558545E+22	2,487385E+22	2,314509E+22	2,086250E+22	1,918813E+22	1,918816E+22	2,086247E+22	2,314479E+22
163	2,487335E+22	2,558492E+22	2,563935E+22	2,563983E+22	2,558583E+22	2,487416E+22	2,314543E+22	2,086285E+22	1,918831E+22	1,918812E+22	2,086237E+22	2,314495E+22
164	2,487417E+22	2,558636E+22	2,564048E+22	2,564037E+22	2,558591E+22	2,487386E+22	2,314501E+22	2,086262E+22	1,918841E+22	1,918851E+22	2,086292E+22	2,314538E+22
165	2,487404E+22	2,558567E+22	2,563954E+22	2,563921E+22	2,558499E+22	2,487343E+22	2,314494E+22	2,086282E+22	1,918863E+22	1,918845E+22	2,086246E+22	2,314462E+22
166	2,487330E+22	2,558548E+22	2,564033E+22	2,564046E+22	2,558596E+22	2,487406E+22	2,314533E+22	2,086303E+22	1,918883E+22	1,918876E+22	2,086289E+22	2,314527E+22
167	2,487423E+22	2,558629E+22	2,564085E+22	2,564085E+22	2,558585E+22	2,487351E+22	2,314481E+22	2,086278E+22	1,918891E+22	1,918912E+22	2,086328E+22	2,314529E+22
168	2,487368E+22	2,558529E+22	2,563948E+22	2,563975E+22	2,558568E+22	2,487386E+22	2,314525E+22	2,086318E+22	1,918918E+22	1,918917E+22	2,086316E+22	2,314500E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
169	2,487345E+22	2,558573E+22	2,564061E+22	2,564081E+22	2,558651E+22	2,487459E+22	2,314576E+22	2,086353E+22	1,918952E+22	1,918957E+22	2,086364E+22	2,314583E+22
170	2,487440E+22	2,558610E+22	2,564037E+22	2,564011E+22	2,558555E+22	2,487392E+22	2,314555E+22	2,086365E+22	1,918977E+22	1,918970E+22	2,086339E+22	2,314512E+22
171	2,487353E+22	2,558530E+22	2,563973E+22	2,563994E+22	2,558565E+22	2,487402E+22	2,314585E+22	2,086416E+22	1,919026E+22	1,918996E+22	2,086341E+22	2,314507E+22
172	2,487385E+22	2,558633E+22	2,564108E+22	2,564102E+22	2,558622E+22	2,487395E+22	2,314541E+22	2,086383E+22	1,919031E+22	1,919045E+22	2,086421E+22	2,314588E+22
173	2,487404E+22	2,558569E+22	2,564005E+22	2,563989E+22	2,558533E+22	2,487353E+22	2,314526E+22	2,086378E+22	1,919024E+22	1,919020E+22	2,086375E+22	2,314520E+22
174	2,487328E+22	2,558508E+22	2,563999E+22	2,564044E+22	2,558609E+22	2,487424E+22	2,314575E+22	2,086387E+22	1,919004E+22	1,919002E+22	2,086381E+22	2,314572E+22
175	2,487437E+22	2,558637E+22	2,564088E+22	2,564083E+22	2,558599E+22	2,487376E+22	2,314519E+22	2,086336E+22	1,918965E+22	1,918982E+22	2,086383E+22	2,314574E+22
176	2,487408E+22	2,558568E+22	2,563971E+22	2,563949E+22	2,558528E+22	2,487370E+22	2,314535E+22	2,086349E+22	1,918953E+22	1,918938E+22	2,086314E+22	2,314491E+22
177	2,487340E+22	2,558569E+22	2,564066E+22	2,564069E+22	2,558614E+22	2,487423E+22	2,314560E+22	2,086351E+22	1,918948E+22	1,918936E+22	2,086324E+22	2,314545E+22
178	2,487431E+22	2,558624E+22	2,564067E+22	2,564054E+22	2,558578E+22	2,487369E+22	2,314505E+22	2,086308E+22	1,918918E+22	1,918918E+22	2,086302E+22	2,314482E+22
179	2,487328E+22	2,558510E+22	2,563949E+22	2,563981E+22	2,558577E+22	2,487396E+22	2,314536E+22	2,086327E+22	1,918916E+22	1,918899E+22	2,086284E+22	2,314477E+22
180	2,487340E+22	2,558569E+22	2,564053E+22	2,564068E+22	2,558632E+22	2,487424E+22	2,314529E+22	2,086298E+22	1,918893E+22	1,918907E+22	2,086338E+22	2,314573E+22
181	2,487415E+22	2,558562E+22	2,563980E+22	2,563960E+22	2,558522E+22	2,487361E+22	2,314517E+22	2,086308E+22	1,918892E+22	1,918879E+22	2,086276E+22	2,314487E+22
182	2,487337E+22	2,558499E+22	2,563942E+22	2,563970E+22	2,558557E+22	2,487396E+22	2,314552E+22	2,086336E+22	1,918910E+22	1,918889E+22	2,086282E+22	2,314505E+22
183	2,487410E+22	2,558640E+22	2,564085E+22	2,564062E+22	2,558578E+22	2,487353E+22	2,314488E+22	2,086290E+22	1,918902E+22	1,918916E+22	2,086329E+22	2,314539E+22
184	2,487394E+22	2,558577E+22	2,563992E+22	2,563957E+22	2,558517E+22	2,487337E+22	2,314489E+22	2,086304E+22	1,918920E+22	1,918922E+22	2,086309E+22	2,314480E+22
185	2,487306E+22	2,558517E+22	2,564029E+22	2,564061E+22	2,558615E+22	2,487415E+22	2,314541E+22	2,086337E+22	1,918950E+22	1,918953E+22	2,086348E+22	2,314561E+22
186	2,487433E+22	2,558615E+22	2,564064E+22	2,564072E+22	2,558609E+22	2,487394E+22	2,314520E+22	2,086325E+22	1,918951E+22	1,918969E+22	2,086360E+22	2,314538E+22
187	2,487370E+22	2,558534E+22	2,563953E+22	2,563964E+22	2,558559E+22	2,487399E+22	2,314571E+22	2,086395E+22	1,919005E+22	1,918983E+22	2,086340E+22	2,314504E+22
188	2,487352E+22	2,558578E+22	2,564067E+22	2,564067E+22	2,558614E+22	2,487426E+22	2,314581E+22	2,086409E+22	1,919040E+22	1,919035E+22	2,086403E+22	2,314588E+22
189	2,487436E+22	2,558617E+22	2,564060E+22	2,564026E+22	2,558539E+22	2,487355E+22	2,314550E+22	2,086422E+22	1,919072E+22	1,919059E+22	2,086386E+22	2,314507E+22
190	2,487322E+22	2,558507E+22	2,563978E+22	2,564007E+22	2,558570E+22	2,487392E+22	2,314581E+22	2,086448E+22	1,919099E+22	1,919084E+22	2,086409E+22	2,314533E+22
191	2,487367E+22	2,558604E+22	2,564107E+22	2,564113E+22	2,558628E+22	2,487393E+22	2,314538E+22	2,086395E+22	1,919069E+22	1,919095E+22	2,086464E+22	2,314615E+22
192	2,487419E+22	2,558575E+22	2,564012E+22	2,563992E+22	2,558538E+22	2,487363E+22	2,314543E+22	2,086402E+22	1,919058E+22	1,919065E+22	2,086417E+22	2,314543E+22
193	2,487335E+22	2,558503E+22	2,563992E+22	2,564034E+22	2,558597E+22	2,487416E+22	2,314588E+22	2,086430E+22	1,919065E+22	1,919052E+22	2,086405E+22	2,314583E+22
194	2,487453E+22	2,558654E+22	2,564091E+22	2,564071E+22	2,558601E+22	2,487393E+22	2,314541E+22	2,086379E+22	1,919022E+22	1,919029E+22	2,086392E+22	2,314551E+22
195	2,487385E+22	2,558574E+22	2,564003E+22	2,563967E+22	2,558525E+22	2,487366E+22	2,314555E+22	2,086401E+22	1,919025E+22	1,919000E+22	2,086337E+22	2,314481E+22
196	2,487317E+22	2,558543E+22	2,564064E+22	2,564080E+22	2,558611E+22	2,487404E+22	2,314550E+22	2,086378E+22	1,919010E+22	1,919006E+22	2,086374E+22	2,314563E+22
197	2,487422E+22	2,558602E+22	2,564056E+22	2,564056E+22	2,558580E+22	2,487365E+22	2,314512E+22	2,086345E+22	1,918980E+22	1,918983E+22	2,086346E+22	2,314499E+22
198	2,487320E+22	2,558485E+22	2,563923E+22	2,563956E+22	2,558561E+22	2,487399E+22	2,314558E+22	2,086369E+22	1,918974E+22	1,918960E+22	2,086331E+22	2,314505E+22
199	2,487351E+22	2,558568E+22	2,564054E+22	2,564053E+22	2,558603E+22	2,487403E+22	2,314532E+22	2,086331E+22	1,918943E+22	1,918950E+22	2,086358E+22	2,314580E+22
200	2,487434E+22	2,558595E+22	2,564014E+22	2,563967E+22	2,558501E+22	2,487336E+22	2,314513E+22	2,086337E+22	1,918951E+22	1,918944E+22	2,086317E+22	2,314486E+22
201	2,487319E+22	2,558492E+22	2,563964E+22	2,563994E+22	2,558552E+22	2,487370E+22	2,314540E+22	2,086370E+22	1,918985E+22	1,918969E+22	2,086332E+22	2,314517E+22
202	2,487403E+22	2,558633E+22	2,564091E+22	2,564084E+22	2,558615E+22	2,487381E+22	2,314497E+22	2,086317E+22	1,918960E+22	1,918983E+22	2,086372E+22	2,314543E+22
203	2,487373E+22	2,558562E+22	2,564002E+22	2,563973E+22	2,558538E+22	2,487368E+22	2,314528E+22	2,086356E+22	1,918987E+22	1,918986E+22	2,086348E+22	2,314500E+22
204	2,487312E+22	2,558499E+22	2,564014E+22	2,564053E+22	2,558610E+22	2,487419E+22	2,314568E+22	2,086391E+22	1,919022E+22	1,919020E+22	2,086389E+22	2,314583E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
205	2,487450E+22	2,558625E+22	2,564064E+22	2,564062E+22	2,558592E+22	2,487383E+22	2,314545E+22	2,086398E+22	1,919044E+22	1,919043E+22	2,086391E+22	2,314533E+22
206	2,487356E+22	2,558528E+22	2,563956E+22	2,563951E+22	2,558533E+22	2,487387E+22	2,314592E+22	2,086460E+22	1,919102E+22	1,919076E+22	2,086394E+22	2,314511E+22
207	2,487332E+22	2,558565E+22	2,564086E+22	2,564084E+22	2,558598E+22	2,487393E+22	2,314571E+22	2,086445E+22	1,919113E+22	1,919114E+22	2,086454E+22	2,314599E+22
208	2,487427E+22	2,558613E+22	2,564075E+22	2,564047E+22	2,558545E+22	2,487341E+22	2,314538E+22	2,086438E+22	1,919130E+22	1,919143E+22	2,086460E+22	2,314539E+22
209	2,487311E+22	2,558478E+22	2,563962E+22	2,564005E+22	2,558570E+22	2,487391E+22	2,314583E+22	2,086472E+22	1,919153E+22	1,919152E+22	2,086469E+22	2,314577E+22
210	2,487396E+22	2,558609E+22	2,564089E+22	2,564093E+22	2,558632E+22	2,487417E+22	2,314562E+22	2,086426E+22	1,919109E+22	1,919131E+22	2,086483E+22	2,314620E+22
211	2,487430E+22	2,558598E+22	2,564034E+22	2,563991E+22	2,558525E+22	2,487365E+22	2,314573E+22	2,086457E+22	1,919119E+22	1,919103E+22	2,086418E+22	2,314534E+22
212	2,487342E+22	2,558517E+22	2,564013E+22	2,564039E+22	2,558574E+22	2,487389E+22	2,314586E+22	2,086469E+22	1,919129E+22	1,919107E+22	2,086422E+22	2,314567E+22
213	2,487438E+22	2,558658E+22	2,564116E+22	2,564098E+22	2,558602E+22	2,487373E+22	2,314542E+22	2,086425E+22	1,919096E+22	1,919095E+22	2,086420E+22	2,314529E+22
214	2,487339E+22	2,558538E+22	2,563999E+22	2,563983E+22	2,558540E+22	2,487377E+22	2,314568E+22	2,086438E+22	1,919090E+22	1,919076E+22	2,086394E+22	2,314497E+22
215	2,487289E+22	2,558502E+22	2,564049E+22	2,564082E+22	2,558611E+22	2,487409E+22	2,314562E+22	2,086403E+22	1,919052E+22	1,919056E+22	2,086416E+22	2,314585E+22
216	2,487428E+22	2,558595E+22	2,564048E+22	2,564048E+22	2,558572E+22	2,487367E+22	2,314530E+22	2,086376E+22	1,919029E+22	1,919044E+22	2,086398E+22	2,314523E+22
217	2,487327E+22	2,558479E+22	2,563910E+22	2,563936E+22	2,558535E+22	2,487383E+22	2,314565E+22	2,086412E+22	1,919043E+22	1,919027E+22	2,086373E+22	2,314526E+22
218	2,487372E+22	2,558590E+22	2,564057E+22	2,564040E+22	2,558592E+22	2,487401E+22	2,314540E+22	2,086368E+22	1,919007E+22	1,919012E+22	2,086387E+22	2,314573E+22
219	2,487424E+22	2,558610E+22	2,564054E+22	2,563999E+22	2,558503E+22	2,487325E+22	2,314520E+22	2,086380E+22	1,919022E+22	1,919013E+22	2,086356E+22	2,314497E+22
220	2,487315E+22	2,558478E+22	2,563969E+22	2,564015E+22	2,558559E+22	2,487356E+22	2,314527E+22	2,086390E+22	1,919044E+22	1,919040E+22	2,086386E+22	2,314541E+22
221	2,487404E+22	2,558622E+22	2,564087E+22	2,564092E+22	2,558624E+22	2,487391E+22	2,314520E+22	2,086363E+22	1,919022E+22	1,919044E+22	2,086412E+22	2,314555E+22
222	2,487367E+22	2,558546E+22	2,563990E+22	2,563966E+22	2,558532E+22	2,487383E+22	2,314566E+22	2,086415E+22	1,919058E+22	1,919052E+22	2,086390E+22	2,314514E+22
223	2,487308E+22	2,558495E+22	2,564015E+22	2,564042E+22	2,558581E+22	2,487403E+22	2,314585E+22	2,086444E+22	1,919094E+22	1,919079E+22	2,086414E+22	2,314576E+22
224	2,487445E+22	2,558641E+22	2,564092E+22	2,564072E+22	2,558575E+22	2,487364E+22	2,314551E+22	2,086441E+22	1,919126E+22	1,919133E+22	2,086444E+22	2,314530E+22
225	2,487328E+22	2,558509E+22	2,563962E+22	2,563966E+22	2,558525E+22	2,487363E+22	2,314585E+22	2,086501E+22	1,919188E+22	1,919172E+22	2,086459E+22	2,314533E+22
226	2,487328E+22	2,558554E+22	2,564073E+22	2,564087E+22	2,558617E+22	2,487410E+22	2,314578E+22	2,086473E+22	1,919174E+22	1,919185E+22	2,086506E+22	2,314617E+22
227	2,487421E+22	2,558607E+22	2,564083E+22	2,564058E+22	2,558552E+22	2,487355E+22	2,314566E+22	2,086482E+22	1,919188E+22	1,919198E+22	2,086499E+22	2,314570E+22
228	2,487334E+22	2,558475E+22	2,563952E+22	2,563999E+22	2,558557E+22	2,487380E+22	2,314593E+22	2,086510E+22	1,919209E+22	1,919204E+22	2,086501E+22	2,314596E+22
229	2,487418E+22	2,558633E+22	2,564103E+22	2,564092E+22	2,558615E+22	2,487407E+22	2,314585E+22	2,086484E+22	1,919178E+22	1,919184E+22	2,086499E+22	2,314604E+22
230	2,487410E+22	2,558601E+22	2,564054E+22	2,564003E+22	2,558512E+22	2,487358E+22	2,314592E+22	2,086508E+22	1,919194E+22	1,919176E+22	2,086454E+22	2,314523E+22
231	2,487306E+22	2,558501E+22	2,564032E+22	2,564065E+22	2,558573E+22	2,487370E+22	2,314580E+22	2,086497E+22	1,919187E+22	1,919170E+22	2,086460E+22	2,314564E+22
232	2,487411E+22	2,558639E+22	2,564119E+22	2,564121E+22	2,558621E+22	2,487377E+22	2,314539E+22	2,086437E+22	1,919146E+22	1,919170E+22	2,086483E+22	2,314551E+22
233	2,487319E+22	2,558496E+22	2,563963E+22	2,563970E+22	2,558537E+22	2,487382E+22	2,314583E+22	2,086468E+22	1,919144E+22	1,919139E+22	2,086452E+22	2,314541E+22
234	2,487317E+22	2,558501E+22	2,564012E+22	2,564047E+22	2,558601E+22	2,487422E+22	2,314587E+22	2,086441E+22	1,919097E+22	1,919096E+22	2,086441E+22	2,314598E+22
235	2,487442E+22	2,558619E+22	2,564062E+22	2,564037E+22	2,558541E+22	2,487351E+22	2,314549E+22	2,086428E+22	1,919092E+22	1,919089E+22	2,086414E+22	2,314531E+22
236	2,487341E+22	2,558496E+22	2,563929E+22	2,563942E+22	2,558508E+22	2,487344E+22	2,314550E+22	2,086439E+22	1,919105E+22	1,919091E+22	2,086407E+22	2,314527E+22
237	2,487370E+22	2,558607E+22	2,564089E+22	2,564070E+22	2,558589E+22	2,487378E+22	2,314535E+22	2,086401E+22	1,919068E+22	1,919076E+22	2,086422E+22	2,314563E+22
238	2,487389E+22	2,558587E+22	2,564058E+22	2,564024E+22	2,558523E+22	2,487341E+22	2,314535E+22	2,086412E+22	1,919081E+22	1,919082E+22	2,086407E+22	2,314511E+22
239	2,487293E+22	2,558455E+22	2,563967E+22	2,564026E+22	2,558566E+22	2,487368E+22	2,314550E+22	2,086426E+22	1,919093E+22	1,919089E+22	2,086419E+22	2,314552E+22
240	2,487404E+22	2,558621E+22	2,564086E+22	2,564095E+22	2,558625E+22	2,487400E+22	2,314548E+22	2,086410E+22	1,919091E+22	1,919115E+22	2,086454E+22	2,314562E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
241	2,487358E+22	2,558534E+22	2,563976E+22	2,563952E+22	2,558511E+22	2,487375E+22	2,314593E+22	2,086483E+22	1,919153E+22	1,919138E+22	2,086439E+22	2,314527E+22
242	2,487313E+22	2,558503E+22	2,564010E+22	2,564030E+22	2,558568E+22	2,487398E+22	2,314603E+22	2,086500E+22	1,919180E+22	1,919163E+22	2,086460E+22	2,314573E+22
243	2,487419E+22	2,558639E+22	2,564116E+22	2,564097E+22	2,558571E+22	2,487347E+22	2,314558E+22	2,086493E+22	1,919212E+22	1,919219E+22	2,086503E+22	2,314558E+22
244	2,487326E+22	2,558491E+22	2,563956E+22	2,563975E+22	2,558524E+22	2,487345E+22	2,314569E+22	2,086520E+22	1,919252E+22	1,919254E+22	2,086527E+22	2,314574E+22
245	2,487346E+22	2,558557E+22	2,564071E+22	2,564085E+22	2,558608E+22	2,487406E+22	2,314595E+22	2,086513E+22	1,919229E+22	1,919244E+22	2,086548E+22	2,314636E+22
246	2,487427E+22	2,558610E+22	2,564082E+22	2,564057E+22	2,558545E+22	2,487360E+22	2,314593E+22	2,086532E+22	1,919250E+22	1,919252E+22	2,086531E+22	2,314580E+22
247	2,487334E+22	2,558492E+22	2,563976E+22	2,564005E+22	2,558538E+22	2,487361E+22	2,314600E+22	2,086550E+22	1,919265E+22	1,919248E+22	2,086513E+22	2,314580E+22
248	2,487403E+22	2,558648E+22	2,564140E+22	2,564122E+22	2,558617E+22	2,487396E+22	2,314587E+22	2,086515E+22	1,919244E+22	1,919258E+22	2,086536E+22	2,314589E+22
249	2,487370E+22	2,558571E+22	2,564054E+22	2,564026E+22	2,558526E+22	2,487356E+22	2,314599E+22	2,086545E+22	1,919264E+22	1,919253E+22	2,086509E+22	2,314538E+22
250	2,487290E+22	2,558474E+22	2,563997E+22	2,564057E+22	2,558597E+22	2,487399E+22	2,314602E+22	2,086528E+22	1,919237E+22	1,919228E+22	2,086504E+22	2,314578E+22
251	2,487395E+22	2,558620E+22	2,564107E+22	2,564118E+22	2,558622E+22	2,487393E+22	2,314574E+22	2,086486E+22	1,919201E+22	1,919216E+22	2,086519E+22	2,314587E+22
252	2,487344E+22	2,558491E+22	2,563938E+22	2,563944E+22	2,558507E+22	2,487358E+22	2,314585E+22	2,086504E+22	1,919199E+22	1,919191E+22	2,086486E+22	2,314565E+22
253	2,487343E+22	2,558530E+22	2,564021E+22	2,564028E+22	2,558560E+22	2,487391E+22	2,314599E+22	2,086491E+22	1,919162E+22	1,919150E+22	2,086464E+22	2,314591E+22
254	2,487430E+22	2,558631E+22	2,564088E+22	2,564051E+22	2,558523E+22	2,487328E+22	2,314552E+22	2,086467E+22	1,919158E+22	1,919156E+22	2,086455E+22	2,314530E+22
255	2,487315E+22	2,558494E+22	2,563957E+22	2,563972E+22	2,558508E+22	2,487317E+22	2,314531E+22	2,086454E+22	1,919152E+22	1,919146E+22	2,086444E+22	2,314531E+22
256	2,487350E+22	2,558597E+22	2,564102E+22	2,564101E+22	2,558617E+22	2,487389E+22	2,314535E+22	2,086411E+22	1,919115E+22	1,919145E+22	2,086475E+22	2,314579E+22
257	2,487373E+22	2,558558E+22	2,564035E+22	2,564022E+22	2,558532E+22	2,487357E+22	2,314564E+22	2,086455E+22	1,919140E+22	1,919144E+22	2,086453E+22	2,314538E+22
258	2,487308E+22	2,558456E+22	2,563937E+22	2,564001E+22	2,558566E+22	2,487386E+22	2,314589E+22	2,086486E+22	1,919161E+22	1,919143E+22	2,086442E+22	2,314548E+22
259	2,487393E+22	2,558631E+22	2,564103E+22	2,564098E+22	2,558607E+22	2,487391E+22	2,314578E+22	2,086483E+22	1,919181E+22	1,919182E+22	2,086483E+22	2,314568E+22
260	2,487354E+22	2,558531E+22	2,563984E+22	2,563958E+22	2,558488E+22	2,487336E+22	2,314584E+22	2,086529E+22	1,919243E+22	1,919232E+22	2,086497E+22	2,314540E+22
261	2,487305E+22	2,558506E+22	2,564025E+22	2,564045E+22	2,558558E+22	2,487375E+22	2,314607E+22	2,086546E+22	1,919259E+22	1,919251E+22	2,086522E+22	2,314587E+22
262	2,487395E+22	2,558617E+22	2,564114E+22	2,564108E+22	2,558580E+22	2,487356E+22	2,314574E+22	2,086530E+22	1,919279E+22	1,919299E+22	2,086570E+22	2,314590E+22
263	2,487322E+22	2,558486E+22	2,563960E+22	2,563979E+22	2,558521E+22	2,487343E+22	2,314582E+22	2,086552E+22	1,919299E+22	1,919304E+22	2,086565E+22	2,314598E+22
264	2,487363E+22	2,558575E+22	2,564085E+22	2,564095E+22	2,558611E+22	2,487406E+22	2,314607E+22	2,086547E+22	1,919291E+22	1,919308E+22	2,086582E+22	2,314642E+22
265	2,487424E+22	2,558610E+22	2,564084E+22	2,564057E+22	2,558538E+22	2,487357E+22	2,314615E+22	2,086587E+22	1,919328E+22	1,919322E+22	2,086566E+22	2,314584E+22
266	2,487333E+22	2,558501E+22	2,563980E+22	2,564013E+22	2,558546E+22	2,487363E+22	2,314618E+22	2,086599E+22	1,919336E+22	1,919313E+22	2,086544E+22	2,314567E+22
267	2,487365E+22	2,558631E+22	2,564157E+22	2,564149E+22	2,558628E+22	2,487393E+22	2,314600E+22	2,086562E+22	1,919314E+22	1,919321E+22	2,086580E+22	2,314611E+22
268	2,487357E+22	2,558535E+22	2,564027E+22	2,564020E+22	2,558526E+22	2,487350E+22	2,314598E+22	2,086569E+22	1,919319E+22	1,919321E+22	2,086567E+22	2,314575E+22
269	2,487305E+22	2,558472E+22	2,563979E+22	2,564028E+22	2,558568E+22	2,487390E+22	2,314627E+22	2,086569E+22	1,919284E+22	1,919274E+22	2,086538E+22	2,314595E+22
270	2,487399E+22	2,558619E+22	2,564095E+22	2,564092E+22	2,558592E+22	2,487378E+22	2,314591E+22	2,086531E+22	1,919258E+22	1,919265E+22	2,086546E+22	2,314595E+22
271	2,487346E+22	2,558516E+22	2,563966E+22	2,563940E+22	2,558475E+22	2,487320E+22	2,314572E+22	2,086528E+22	1,919247E+22	1,919232E+22	2,086499E+22	2,314556E+22
272	2,487338E+22	2,558553E+22	2,564065E+22	2,564063E+22	2,558560E+22	2,487360E+22	2,314574E+22	2,086501E+22	1,919217E+22	1,919219E+22	2,086499E+22	2,314582E+22
273	2,487397E+22	2,558609E+22	2,564095E+22	2,564082E+22	2,558547E+22	2,487327E+22	2,314552E+22	2,086493E+22	1,919216E+22	1,919223E+22	2,086503E+22	2,314547E+22
274	2,487304E+22	2,558476E+22	2,563940E+22	2,563982E+22	2,558544E+22	2,487349E+22	2,314557E+22	2,086487E+22	1,919199E+22	1,919195E+22	2,086478E+22	2,314537E+22
275	2,487328E+22	2,558576E+22	2,564099E+22	2,564111E+22	2,558630E+22	2,487413E+22	2,314581E+22	2,086475E+22	1,919180E+22	1,919191E+22	2,086503E+22	2,314602E+22
276	2,487381E+22	2,558545E+22	2,564013E+22	2,564003E+22	2,558519E+22	2,487350E+22	2,314585E+22	2,086514E+22	1,919222E+22	1,919217E+22	2,086495E+22	2,314554E+22

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
277	2,487319E+22	2,558476E+22	2,563943E+22	2,563977E+22	2,558526E+22	2,487367E+22	2,314618E+22	2,086557E+22	1,919253E+22	1,919226E+22	2,086484E+22	2,314546E+22
278	2,487369E+22	2,558622E+22	2,564116E+22	2,564105E+22	2,558591E+22	2,487369E+22	2,314587E+22	2,086540E+22	1,919276E+22	1,919280E+22	2,086549E+22	2,314583E+22
279	2,487333E+22	2,558524E+22	2,564001E+22	2,563976E+22	2,558485E+22	2,487305E+22	2,314563E+22	2,086552E+22	1,919309E+22	1,919311E+22	2,086560E+22	2,314571E+22
280	2,487304E+22	2,558501E+22	2,564034E+22	2,564064E+22	2,558572E+22	2,487372E+22	2,314597E+22	2,086559E+22	1,919317E+22	1,919333E+22	2,086588E+22	2,314624E+22
281	2,487402E+22	2,558604E+22	2,564100E+22	2,564103E+22	2,558581E+22	2,487364E+22	2,314598E+22	2,086574E+22	1,919338E+22	1,919359E+22	2,086617E+22	2,314626E+22
282	2,487353E+22	2,558506E+22	2,563954E+22	2,563967E+22	2,558520E+22	2,487351E+22	2,314611E+22	2,086604E+22	1,919360E+22	1,919347E+22	2,086578E+22	2,314588E+22
283	2,487354E+22	2,558595E+22	2,564122E+22	2,564116E+22	2,558608E+22	2,487403E+22	2,314635E+22	2,086611E+22	1,919368E+22	1,919359E+22	2,086597E+22	2,314636E+22
284	2,487411E+22	2,558605E+22	2,564097E+22	2,564074E+22	2,558537E+22	2,487335E+22	2,314609E+22	2,086627E+22	1,919405E+22	1,919400E+22	2,086607E+22	2,314581E+22
285	2,487310E+22	2,558491E+22	2,563985E+22	2,564016E+22	2,558543E+22	2,487361E+22	2,314636E+22	2,086644E+22	1,919404E+22	1,919385E+22	2,086591E+22	2,314571E+22
286	2,487328E+22	2,558588E+22	2,564139E+22	2,564148E+22	2,558636E+22	2,487407E+22	2,314625E+22	2,086604E+22	1,919375E+22	1,919387E+22	2,086632E+22	2,314634E+22
287	2,487349E+22	2,558521E+22	2,564016E+22	2,564002E+22	2,558506E+22	2,487333E+22	2,314602E+22	2,086600E+22	1,919365E+22	1,919365E+22	2,086599E+22	2,314598E+22
288	2,487322E+22	2,558486E+22	2,563986E+22	2,564020E+22	2,558549E+22	2,487370E+22	2,314621E+22	2,086595E+22	1,919343E+22	1,919336E+22	2,086571E+22	2,314603E+22
289	2,487401E+22	2,558624E+22	2,564103E+22	2,564083E+22	2,558570E+22	2,487358E+22	2,314595E+22	2,086569E+22	1,919322E+22	1,919328E+22	2,086582E+22	2,314604E+22
290	2,487348E+22	2,558527E+22	2,563982E+22	2,563957E+22	2,558483E+22	2,487307E+22	2,314568E+22	2,086555E+22	1,919300E+22	1,919286E+22	2,086526E+22	2,314548E+22
291	2,487308E+22	2,558541E+22	2,564090E+22	2,564103E+22	2,558590E+22	2,487367E+22	2,314577E+22	2,086530E+22	1,919269E+22	1,919266E+22	2,086535E+22	2,314605E+22
292	2,487390E+22	2,558578E+22	2,564074E+22	2,564084E+22	2,558566E+22	2,487337E+22	2,314558E+22	2,086517E+22	1,919266E+22	1,919281E+22	2,086548E+22	2,314575E+22
293	2,487317E+22	2,558476E+22	2,563929E+22	2,563958E+22	2,558525E+22	2,487359E+22	2,314602E+22	2,086546E+22	1,919259E+22	1,919247E+22	2,086508E+22	2,314546E+22
294	2,487320E+22	2,558563E+22	2,564091E+22	2,564093E+22	2,558611E+22	2,487411E+22	2,314615E+22	2,086545E+22	1,919264E+22	1,919260E+22	2,086536E+22	2,314600E+22
295	2,487369E+22	2,558557E+22	2,564035E+22	2,563996E+22	2,558488E+22	2,487317E+22	2,314583E+22	2,086560E+22	1,919301E+22	1,919291E+22	2,086532E+22	2,314555E+22
296	2,487309E+22	2,558485E+22	2,563975E+22	2,564000E+22	2,558521E+22	2,487336E+22	2,314596E+22	2,086583E+22	1,919335E+22	1,919324E+22	2,086545E+22	2,314558E+22
297	2,487348E+22	2,558596E+22	2,564110E+22	2,564113E+22	2,558601E+22	2,487367E+22	2,314590E+22	2,086575E+22	1,919349E+22	1,919367E+22	2,086619E+22	2,314623E+22
298	2,487343E+22	2,558515E+22	2,563992E+22	2,563984E+22	2,558506E+22	2,487322E+22	2,314581E+22	2,086586E+22	1,919363E+22	1,919369E+22	2,086603E+22	2,314594E+22
299	2,487310E+22	2,558504E+22	2,564047E+22	2,564078E+22	2,558580E+22	2,487380E+22	2,314625E+22	2,086613E+22	1,919378E+22	1,919376E+22	2,086615E+22	2,314651E+22
300	2,487420E+22	2,558608E+22	2,564096E+22	2,564094E+22	2,558573E+22	2,487356E+22	2,314614E+22	2,086627E+22	1,919415E+22	1,919426E+22	2,086648E+22	2,314631E+22
301	2,487360E+22	2,558533E+22	2,563985E+22	2,563963E+22	2,558492E+22	2,487341E+22	2,314643E+22	2,086669E+22	1,919442E+22	1,919420E+22	2,086607E+22	2,314570E+22
302	2,487313E+22	2,558571E+22	2,564137E+22	2,564136E+22	2,558608E+22	2,487392E+22	2,314649E+22	2,086668E+22	1,919457E+22	1,919447E+22	2,086645E+22	2,314628E+22
303	2,487373E+22	2,558582E+22	2,564102E+22	2,564085E+22	2,558543E+22	2,487323E+22	2,314599E+22	2,086650E+22	1,919466E+22	1,919473E+22	2,086662E+22	2,314604E+22
304	2,487303E+22	2,558472E+22	2,563977E+22	2,564015E+22	2,558546E+22	2,487359E+22	2,314629E+22	2,086658E+22	1,919459E+22	1,919458E+22	2,086646E+22	2,314601E+22
305	2,487333E+22	2,558565E+22	2,564106E+22	2,564118E+22	2,558619E+22	2,487406E+22	2,314645E+22	2,086645E+22	1,919430E+22	1,919440E+22	2,086673E+22	2,314667E+22
306	2,487380E+22	2,558536E+22	2,564011E+22	2,563988E+22	2,558491E+22	2,487320E+22	2,314610E+22	2,086636E+22	1,919415E+22	1,919403E+22	2,086611E+22	2,314593E+22
307	2,487321E+22	2,558505E+22	2,564026E+22	2,564044E+22	2,558541E+22	2,487349E+22	2,314620E+22	2,086632E+22	1,919397E+22	1,919377E+22	2,086589E+22	2,314607E+22
308	2,487393E+22	2,558618E+22	2,564117E+22	2,564104E+22	2,558576E+22	2,487339E+22	2,314580E+22	2,086590E+22	1,919379E+22	1,919392E+22	2,086622E+22	2,314608E+22
309	2,487337E+22	2,558525E+22	2,563996E+22	2,563966E+22	2,558490E+22	2,487322E+22	2,314591E+22	2,086587E+22	1,919348E+22	1,919341E+22	2,086563E+22	2,314550E+22
310	2,487278E+22	2,558504E+22	2,564078E+22	2,564109E+22	2,558608E+22	2,487396E+22	2,314615E+22	2,086579E+22	1,919328E+22	1,919324E+22	2,086570E+22	2,314611E+22
311	2,487383E+22	2,558570E+22	2,564066E+22	2,564070E+22	2,558557E+22	2,487337E+22	2,314577E+22	2,086562E+22	1,919325E+22	1,919332E+22	2,086576E+22	2,314587E+22
312	2,487326E+22	2,558484E+22	2,563935E+22	2,563947E+22	2,558508E+22	2,487346E+22	2,314607E+22	2,086593E+22	1,919344E+22	1,919329E+22	2,086548E+22	2,314551E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
313	2,487313E+22	2,558554E+22	2,564089E+22	2,564080E+22	2,558585E+22	2,487393E+22	2,314631E+22	2,086603E+22	1,919354E+22	1,919349E+22	2,086592E+22	2,314617E+22
314	2,487368E+22	2,558552E+22	2,564042E+22	2,564010E+22	2,558485E+22	2,487294E+22	2,314576E+22	2,086598E+22	1,919376E+22	1,919372E+22	2,086586E+22	2,314566E+22
315	2,487291E+22	2,558473E+22	2,563996E+22	2,564032E+22	2,558539E+22	2,487334E+22	2,314593E+22	2,086612E+22	1,919396E+22	1,919391E+22	2,086605E+22	2,314603E+22
316	2,487360E+22	2,558581E+22	2,564096E+22	2,564107E+22	2,558602E+22	2,487365E+22	2,314592E+22	2,086600E+22	1,919404E+22	1,919435E+22	2,086672E+22	2,314657E+22
317	2,487370E+22	2,558535E+22	2,563999E+22	2,563965E+22	2,558482E+22	2,487327E+22	2,314619E+22	2,086640E+22	1,919424E+22	1,919420E+22	2,086626E+22	2,314595E+22
318	2,487307E+22	2,558508E+22	2,564062E+22	2,564083E+22	2,558575E+22	2,487382E+22	2,314654E+22	2,086679E+22	1,919462E+22	1,919441E+22	2,086634E+22	2,314630E+22
319	2,487403E+22	2,558623E+22	2,564128E+22	2,564107E+22	2,558560E+22	2,487333E+22	2,314611E+22	2,086670E+22	1,919492E+22	1,919497E+22	2,086678E+22	2,314618E+22
320	2,487334E+22	2,558526E+22	2,564013E+22	2,563996E+22	2,558503E+22	2,487328E+22	2,314631E+22	2,086702E+22	1,919526E+22	1,919514E+22	2,086664E+22	2,314573E+22
321	2,487277E+22	2,558523E+22	2,564113E+22	2,564138E+22	2,558620E+22	2,487407E+22	2,314667E+22	2,086709E+22	1,919527E+22	1,919529E+22	2,086711E+22	2,314660E+22
322	2,487370E+22	2,558552E+22	2,564074E+22	2,564079E+22	2,558549E+22	2,487335E+22	2,314621E+22	2,086687E+22	1,919518E+22	1,919528E+22	2,086703E+22	2,314626E+22
323	2,487309E+22	2,558469E+22	2,563975E+22	2,564012E+22	2,558540E+22	2,487359E+22	2,314648E+22	2,086703E+22	1,919511E+22	1,919499E+22	2,086678E+22	2,314634E+22
324	2,487359E+22	2,558573E+22	2,564095E+22	2,564092E+22	2,558589E+22	2,487385E+22	2,314645E+22	2,086681E+22	1,919493E+22	1,919500E+22	2,086705E+22	2,314678E+22
325	2,487398E+22	2,558570E+22	2,564043E+22	2,563983E+22	2,558456E+22	2,487301E+22	2,314626E+22	2,086677E+22	1,919474E+22	1,919460E+22	2,086637E+22	2,314583E+22
326	2,487295E+22	2,558494E+22	2,564048E+22	2,564076E+22	2,558551E+22	2,487339E+22	2,314621E+22	2,086665E+22	1,919460E+22	1,919442E+22	2,086625E+22	2,314599E+22
327	2,487368E+22	2,558606E+22	2,564125E+22	2,564121E+22	2,558590E+22	2,487340E+22	2,314571E+22	2,086601E+22	1,919420E+22	1,919445E+22	2,086661E+22	2,314624E+22
328	2,487334E+22	2,558515E+22	2,563997E+22	2,563973E+22	2,558498E+22	2,487333E+22	2,314598E+22	2,086611E+22	1,919401E+22	1,919401E+22	2,086602E+22	2,314566E+22
329	2,487277E+22	2,558479E+22	2,564045E+22	2,564080E+22	2,558592E+22	2,487405E+22	2,314652E+22	2,086637E+22	1,919395E+22	1,919382E+22	2,086604E+22	2,314624E+22
330	2,487393E+22	2,558573E+22	2,564065E+22	2,564063E+22	2,558540E+22	2,487326E+22	2,314594E+22	2,086615E+22	1,919397E+22	1,919391E+22	2,086597E+22	2,314577E+22
331	2,487315E+22	2,558493E+22	2,563969E+22	2,563970E+22	2,558495E+22	2,487321E+22	2,314605E+22	2,086637E+22	1,919417E+22	1,919396E+22	2,086590E+22	2,314563E+22
332	2,487302E+22	2,558539E+22	2,564087E+22	2,564086E+22	2,558579E+22	2,487369E+22	2,314616E+22	2,086632E+22	1,919429E+22	1,919437E+22	2,086655E+22	2,314640E+22
333	2,487368E+22	2,558552E+22	2,564053E+22	2,564014E+22	2,558482E+22	2,487302E+22	2,314595E+22	2,086630E+22	1,919433E+22	1,919442E+22	2,086640E+22	2,314586E+22
334	2,487280E+22	2,558449E+22	2,563993E+22	2,564043E+22	2,558548E+22	2,487347E+22	2,314620E+22	2,086659E+22	1,919461E+22	1,919455E+22	2,086646E+22	2,314614E+22
335	2,487367E+22	2,558591E+22	2,564100E+22	2,564103E+22	2,558594E+22	2,487363E+22	2,314605E+22	2,086643E+22	1,919468E+22	1,919492E+22	2,086702E+22	2,314666E+22
336	2,487381E+22	2,558557E+22	2,564027E+22	2,563975E+22	2,558474E+22	2,487318E+22	2,314625E+22	2,086689E+22	1,919512E+22	1,919502E+22	2,086661E+22	2,314587E+22
337	2,487288E+22	2,558495E+22	2,564066E+22	2,564087E+22	2,558566E+22	2,487378E+22	2,314679E+22	2,086742E+22	1,919555E+22	1,919531E+22	2,086686E+22	2,314631E+22
338	2,487380E+22	2,558601E+22	2,564133E+22	2,564136E+22	2,558575E+22	2,487327E+22	2,314616E+22	2,086712E+22	1,919568E+22	1,919577E+22	2,086730E+22	2,314626E+22
339	2,487309E+22	2,558498E+22	2,564012E+22	2,564018E+22	2,558521E+22	2,487338E+22	2,314642E+22	2,086735E+22	1,919584E+22	1,919580E+22	2,086727E+22	2,314620E+22
340	2,487287E+22	2,558496E+22	2,564074E+22	2,564109E+22	2,558604E+22	2,487407E+22	2,314682E+22	2,086745E+22	1,919584E+22	1,919594E+22	2,086767E+22	2,314700E+22
341	2,487403E+22	2,558574E+22	2,564070E+22	2,564043E+22	2,558507E+22	2,487329E+22	2,314653E+22	2,086735E+22	1,919573E+22	1,919575E+22	2,086730E+22	2,314633E+22
342	2,487314E+22	2,558483E+22	2,563993E+22	2,564014E+22	2,558519E+22	2,487341E+22	2,314658E+22	2,086749E+22	1,919579E+22	1,919555E+22	2,086695E+22	2,314617E+22
343	2,487355E+22	2,558602E+22	2,564131E+22	2,564108E+22	2,558572E+22	2,487351E+22	2,314625E+22	2,086700E+22	1,919546E+22	1,919556E+22	2,086731E+22	2,314669E+22
344	2,487381E+22	2,558573E+22	2,564076E+22	2,564025E+22	2,558474E+22	2,487291E+22	2,314604E+22	2,086691E+22	1,919532E+22	1,919527E+22	2,086677E+22	2,314582E+22
345	2,487266E+22	2,558459E+22	2,564033E+22	2,564087E+22	2,558573E+22	2,487366E+22	2,314647E+22	2,086700E+22	1,919512E+22	1,919500E+22	2,086670E+22	2,314616E+22
346	2,487359E+22	2,558579E+22	2,564106E+22	2,564127E+22	2,558601E+22	2,487356E+22	2,314601E+22	2,086642E+22	1,919466E+22	1,919485E+22	2,086684E+22	2,314629E+22
347	2,487329E+22	2,558506E+22	2,563994E+22	2,563977E+22	2,558496E+22	2,487340E+22	2,314627E+22	2,086664E+22	1,919460E+22	1,919448E+22	2,086635E+22	2,314587E+22
348	2,487285E+22	2,558476E+22	2,564025E+22	2,564051E+22	2,558558E+22	2,487386E+22	2,314662E+22	2,086686E+22	1,919475E+22	1,919459E+22	2,086648E+22	2,314631E+22

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°
349	2,487393E+22	2,558588E+22	2,564081E+22	2,564049E+22	2,558499E+22	2,487304E+22	2,314609E+22	2,086662E+22	1,919473E+22	1,919471E+22	2,086646E+22	2,314578E+22
350	2,487288E+22	2,558474E+22	2,563979E+22	2,563996E+22	2,558501E+22	2,487307E+22	2,314599E+22	2,086671E+22	1,919492E+22	1,919480E+22	2,086646E+22	2,314574E+22
351	2,487296E+22	2,558537E+22	2,564086E+22	2,564092E+22	2,558578E+22	2,487358E+22	2,314600E+22	2,086642E+22	1,919476E+22	1,919503E+22	2,086712E+22	2,314674E+22
352	2,487384E+22	2,558558E+22	2,564060E+22	2,564023E+22	2,558484E+22	2,487301E+22	2,314597E+22	2,086658E+22	1,919492E+22	1,919504E+22	2,086682E+22	2,314608E+22
353	2,487290E+22	2,558448E+22	2,563984E+22	2,564032E+22	2,558538E+22	2,487355E+22	2,314656E+22	2,086719E+22	1,919531E+22	1,919514E+22	2,086677E+22	2,314619E+22
354	2,487369E+22	2,558599E+22	2,564118E+22	2,564119E+22	2,558587E+22	2,487356E+22	2,314626E+22	2,086699E+22	1,919544E+22	1,919553E+22	2,086721E+22	2,314647E+22
355	2,487357E+22	2,558559E+22	2,564062E+22	2,564017E+22	2,558484E+22	2,487314E+22	2,314639E+22	2,086740E+22	1,919588E+22	1,919577E+22	2,086709E+22	2,314594E+22
356	2,487264E+22	2,558467E+22	2,564048E+22	2,564090E+22	2,558571E+22	2,487376E+22	2,314686E+22	2,086786E+22	1,919638E+22	1,919626E+22	2,086753E+22	2,314651E+22
357	2,487368E+22	2,558587E+22	2,564124E+22	2,564123E+22	2,558567E+22	2,487345E+22	2,314652E+22	2,086759E+22	1,919635E+22	1,919650E+22	2,086786E+22	2,314651E+22
358	2,487301E+22	2,558474E+22	2,563997E+22	2,564015E+22	2,558517E+22	2,487341E+22	2,314669E+22	2,086789E+22	1,919654E+22	1,919646E+22	2,086767E+22	2,314636E+22
359	2,487305E+22	2,558514E+22	2,564069E+22	2,564087E+22	2,558573E+22	2,487381E+22	2,314683E+22	2,086781E+22	1,919645E+22	1,919651E+22	2,086800E+22	2,314716E+22
360	2,487422E+22	2,558608E+22	2,564102E+22	2,564051E+22	2,558485E+22	2,487299E+22	2,314641E+22	2,086769E+22	1,919645E+22	1,919643E+22	2,086763E+22	2,314631E+22
361	2,487302E+22	2,558484E+22	2,564008E+22	2,564027E+22	2,558509E+22	2,487325E+22	2,314663E+22	2,086787E+22	1,919644E+22	1,919623E+22	2,086737E+22	2,314618E+22
362	2,487331E+22	2,558585E+22	2,564146E+22	2,564150E+22	2,558596E+22	2,487348E+22	2,314619E+22	2,086718E+22	1,919592E+22	1,919609E+22	2,086765E+22	2,314672E+22
363	2,487359E+22	2,558553E+22	2,564082E+22	2,564058E+22	2,558505E+22	2,487310E+22	2,314616E+22	2,086709E+22	1,919563E+22	1,919568E+22	2,086719E+22	2,314610E+22
364	2,487266E+22	2,558431E+22	2,563989E+22	2,564058E+22	2,558563E+22	2,487375E+22	2,314673E+22	2,086740E+22	1,919563E+22	1,919551E+22	2,086707E+22	2,314634E+22
365	2,487369E+22	2,558588E+22	2,564097E+22	2,564094E+22	2,558568E+22	2,487359E+22	2,314641E+22	2,086698E+22	1,919527E+22	1,919532E+22	2,086705E+22	2,314624E+22
366	2,487316E+22	2,558505E+22	2,564002E+22	2,563978E+22	2,558474E+22	2,487319E+22	2,314640E+22	2,086719E+22	1,919540E+22	1,919517E+22	2,086662E+22	2,314572E+22
367	2,487273E+22	2,558489E+22	2,564040E+22	2,564054E+22	2,558532E+22	2,487347E+22	2,314644E+22	2,086712E+22	1,919540E+22	1,919535E+22	2,086700E+22	2,314642E+22
368	2,487382E+22	2,558590E+22	2,564100E+22	2,564074E+22	2,558505E+22	2,487285E+22	2,314587E+22	2,086681E+22	1,919539E+22	1,919550E+22	2,086705E+22	2,314599E+22
369	2,487275E+22	2,558451E+22	2,563964E+22	2,563999E+22	2,558512E+22	2,487322E+22	2,314621E+22	2,086706E+22	1,919546E+22	1,919545E+22	2,086700E+22	2,314605E+22
370	2,487302E+22	2,558527E+22	2,564085E+22	2,564108E+22	2,558586E+22	2,487364E+22	2,314622E+22	2,086682E+22	1,919528E+22	1,919548E+22	2,086737E+22	2,314685E+22
371	2,487392E+22	2,558570E+22	2,564075E+22	2,564044E+22	2,558493E+22	2,487309E+22	2,314625E+22	2,086711E+22	1,919554E+22	1,919556E+22	2,086715E+22	2,314621E+22
372	2,487293E+22	2,558454E+22	2,563980E+22	2,564021E+22	2,558518E+22	2,487348E+22	2,314682E+22	2,086784E+22	1,919623E+22	1,919600E+22	2,086722E+22	2,314618E+22
373	2,487352E+22	2,558606E+22	2,564141E+22	2,564124E+22	2,558569E+22	2,487351E+22	2,314656E+22	2,086762E+22	1,919634E+22	1,919641E+22	2,086771E+22	2,314643E+22
374	2,487317E+22	2,558528E+22	2,564064E+22	2,564045E+22	2,558501E+22	2,487314E+22	2,314651E+22	2,086793E+22	1,919679E+22	1,919672E+22	2,086771E+22	2,314609E+22
375	2,487256E+22	2,558456E+22	2,564028E+22	2,564076E+22	2,558561E+22	2,487369E+22	2,314687E+22	2,086812E+22	1,919699E+22	1,919703E+22	2,086819E+22	2,314693E+22
376	2,487384E+22	2,558590E+22	2,564117E+22	2,564110E+22	2,558549E+22	2,487330E+22	2,314655E+22	2,086799E+22	1,919703E+22	1,919715E+22	2,086832E+22	2,314678E+22
377	2,487317E+22	2,558483E+22	2,563992E+22	2,563998E+22	2,558493E+22	2,487329E+22	2,314688E+22	2,086839E+22	1,919721E+22	1,919704E+22	2,086800E+22	2,314649E+22
378	2,487313E+22	2,558533E+22	2,564101E+22	2,564110E+22	2,558555E+22	2,487348E+22	2,314675E+22	2,086812E+22	1,919701E+22	1,919699E+22	2,086816E+22	2,314702E+22
379	2,487404E+22	2,558615E+22	2,564142E+22	2,564103E+22	2,558506E+22	2,487290E+22	2,314636E+22	2,086790E+22	1,919689E+22	1,919695E+22	2,086802E+22	2,314637E+22
380	2,487278E+22	2,558462E+22	2,563999E+22	2,564040E+22	2,558527E+22	2,487333E+22	2,314669E+22	2,086812E+22	1,919696E+22	1,919685E+22	2,086784E+22	2,314629E+22
381	2,487312E+22	2,558566E+22	2,564135E+22	2,564139E+22	2,558599E+22	2,487379E+22	2,314661E+22	2,086757E+22	1,919636E+22	1,919653E+22	2,086795E+22	2,314678E+22
382	2,487340E+22	2,558524E+22	2,564061E+22	2,564056E+22	2,558514E+22	2,487327E+22	2,314655E+22	2,086767E+22	1,919627E+22	1,919619E+22	2,086740E+22	2,314612E+22
383	2,487275E+22	2,558443E+22	2,563969E+22	2,564021E+22	2,558530E+22	2,487356E+22	2,314681E+22	2,086782E+22	1,919628E+22	1,919610E+22	2,086739E+22	2,314644E+22
384	2,487372E+22	2,558604E+22	2,564111E+22	2,564089E+22	2,558537E+22	2,487323E+22	2,314633E+22	2,086743E+22	1,919608E+22	1,919607E+22	2,086745E+22	2,314628E+22

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
385	2,487300E+22	2,558496E+22	2,564007E+22	2,563984E+22	2,558461E+22	2,487293E+22	2,314638E+22	2,086758E+22	1,919611E+22	1,919596E+22	2,086720E+22	2,314592E+22
386	2,487257E+22	2,558471E+22	2,564052E+22	2,564085E+22	2,558540E+22	2,487326E+22	2,314626E+22	2,086726E+22	1,919589E+22	1,919596E+22	2,086748E+22	2,314665E+22
387	2,487378E+22	2,558583E+22	2,564108E+22	2,564100E+22	2,558527E+22	2,487299E+22	2,314598E+22	2,086698E+22	1,919571E+22	1,919597E+22	2,086758E+22	2,314639E+22
388	2,487291E+22	2,558450E+22	2,563944E+22	2,563978E+22	2,558500E+22	2,487328E+22	2,314649E+22	2,086753E+22	1,919605E+22	1,919599E+22	2,086735E+22	2,314621E+22
389	2,487315E+22	2,558552E+22	2,564099E+22	2,564092E+22	2,558566E+22	2,487372E+22	2,314664E+22	2,086747E+22	1,919602E+22	1,919602E+22	2,086753E+22	2,314670E+22
390	2,487372E+22	2,558573E+22	2,564101E+22	2,564071E+22	2,558497E+22	2,487302E+22	2,314647E+22	2,086780E+22	1,919651E+22	1,919638E+22	2,086740E+22	2,314598E+22
391	2,487270E+22	2,558457E+22	2,563990E+22	2,564031E+22	2,558513E+22	2,487327E+22	2,314678E+22	2,086827E+22	1,919710E+22	1,919694E+22	2,086783E+22	2,314629E+22
392	2,487325E+22	2,558588E+22	2,564148E+22	2,564145E+22	2,558581E+22	2,487343E+22	2,314655E+22	2,086805E+22	1,919720E+22	1,919733E+22	2,086840E+22	2,314670E+22
393	2,487300E+22	2,558494E+22	2,564038E+22	2,564034E+22	2,558500E+22	2,487323E+22	2,314680E+22	2,086844E+22	1,919751E+22	1,919751E+22	2,086837E+22	2,314649E+22
394	2,487263E+22	2,558443E+22	2,564022E+22	2,564076E+22	2,558549E+22	2,487356E+22	2,314699E+22	2,086854E+22	1,919759E+22	1,919759E+22	2,086857E+22	2,314715E+22
395	2,487401E+22	2,558610E+22	2,564135E+22	2,564118E+22	2,558544E+22	2,487322E+22	2,314664E+22	2,086833E+22	1,919754E+22	1,919770E+22	2,086871E+22	2,314696E+22
396	2,487325E+22	2,558496E+22	2,563999E+22	2,563987E+22	2,558469E+22	2,487309E+22	2,314693E+22	2,086881E+22	1,919791E+22	1,919772E+22	2,086838E+22	2,314651E+22
397	2,487302E+22	2,558543E+22	2,564128E+22	2,564125E+22	2,558555E+22	2,487345E+22	2,314685E+22	2,086848E+22	1,919761E+22	1,919758E+22	2,086849E+22	2,314698E+22
398	2,487371E+22	2,558586E+22	2,564146E+22	2,564138E+22	2,558542E+22	2,487302E+22	2,314645E+22	2,086823E+22	1,919748E+22	1,919755E+22	2,086834E+22	2,314642E+22
399	2,487272E+22	2,558450E+22	2,563977E+22	2,564022E+22	2,558525E+22	2,487339E+22	2,314682E+22	2,086838E+22	1,919739E+22	1,919735E+22	2,086825E+22	2,314654E+22
400	2,487316E+22	2,558561E+22	2,564126E+22	2,564124E+22	2,558582E+22	2,487368E+22	2,314678E+22	2,086807E+22	1,919699E+22	1,919700E+22	2,086819E+22	2,314685E+22
401	2,487336E+22	2,558521E+22	2,564050E+22	2,564030E+22	2,558486E+22	2,487315E+22	2,314678E+22	2,086825E+22	1,919700E+22	1,919678E+22	2,086768E+22	2,314613E+22
402	2,487266E+22	2,558446E+22	2,563993E+22	2,564032E+22	2,558506E+22	2,487317E+22	2,314670E+22	2,086815E+22	1,919691E+22	1,919670E+22	2,086767E+22	2,314639E+22
403	2,487356E+22	2,558602E+22	2,564136E+22	2,564121E+22	2,558550E+22	2,487307E+22	2,314620E+22	2,086759E+22	1,919655E+22	1,919672E+22	2,086802E+22	2,314650E+22
404	2,487288E+22	2,558478E+22	2,563996E+22	2,563984E+22	2,558468E+22	2,487295E+22	2,314641E+22	2,086782E+22	1,919666E+22	1,919663E+22	2,086776E+22	2,314622E+22
405	2,487260E+22	2,558468E+22	2,564054E+22	2,564080E+22	2,558544E+22	2,487346E+22	2,314656E+22	2,086764E+22	1,919637E+22	1,919642E+22	2,086780E+22	2,314680E+22
406	2,487376E+22	2,558573E+22	2,564109E+22	2,564113E+22	2,558545E+22	2,487313E+22	2,314631E+22	2,086758E+22	1,919642E+22	1,919652E+22	2,086775E+22	2,314639E+22
407	2,487305E+22	2,558474E+22	2,563949E+22	2,563962E+22	2,558481E+22	2,487317E+22	2,314664E+22	2,086805E+22	1,919684E+22	1,919671E+22	2,086771E+22	2,314623E+22
408	2,487305E+22	2,558562E+22	2,564124E+22	2,564102E+22	2,558550E+22	2,487346E+22	2,314672E+22	2,086812E+22	1,919702E+22	1,919691E+22	2,086796E+22	2,314664E+22
409	2,487338E+22	2,558550E+22	2,564105E+22	2,564086E+22	2,558504E+22	2,487295E+22	2,314660E+22	2,086838E+22	1,919746E+22	1,919738E+22	2,086810E+22	2,314619E+22
410	2,487245E+22	2,558426E+22	2,563991E+22	2,564048E+22	2,558519E+22	2,487315E+22	2,314671E+22	2,086854E+22	1,919776E+22	1,919772E+22	2,086845E+22	2,314663E+22
411	2,487326E+22	2,558566E+22	2,564135E+22	2,564146E+22	2,558590E+22	2,487352E+22	2,314669E+22	2,086832E+22	1,919765E+22	1,919796E+22	2,086905E+22	2,314719E+22
412	2,487324E+22	2,558493E+22	2,564016E+22	2,564001E+22	2,558473E+22	2,487313E+22	2,314699E+22	2,086892E+22	1,919816E+22	1,919812E+22	2,086879E+22	2,314676E+22
413	2,487287E+22	2,558474E+22	2,564042E+22	2,564058E+22	2,558518E+22	2,487342E+22	2,314714E+22	2,086903E+22	1,919825E+22	1,919811E+22	2,086874E+22	2,314706E+22
414	2,487390E+22	2,558620E+22	2,564169E+22	2,564149E+22	2,558551E+22	2,487310E+22	2,314671E+22	2,086881E+22	1,919831E+22	1,919835E+22	2,086889E+22	2,314678E+22
415	2,487313E+22	2,558507E+22	2,564019E+22	2,564003E+22	2,558474E+22	2,487295E+22	2,314682E+22	2,086904E+22	1,919850E+22	1,919841E+22	2,086882E+22	2,314655E+22
416	2,487279E+22	2,558526E+22	2,564138E+22	2,564146E+22	2,558573E+22	2,487348E+22	2,314693E+22	2,086886E+22	1,919823E+22	1,919817E+22	2,086885E+22	2,314705E+22
417	2,487350E+22	2,558552E+22	2,564122E+22	2,564132E+22	2,558553E+22	2,487324E+22	2,314681E+22	2,086875E+22	1,919808E+22	1,919810E+22	2,086871E+22	2,314659E+22
418	2,487266E+22	2,558431E+22	2,563969E+22	2,564014E+22	2,558511E+22	2,487329E+22	2,314697E+22	2,086881E+22	1,919796E+22	1,919782E+22	2,086848E+22	2,314662E+22
419	2,487319E+22	2,558562E+22	2,564131E+22	2,564118E+22	2,558571E+22	2,487362E+22	2,314689E+22	2,086843E+22	1,919753E+22	1,919759E+22	2,086861E+22	2,314696E+22
420	2,487333E+22	2,558520E+22	2,564051E+22	2,564013E+22	2,558451E+22	2,487286E+22	2,314679E+22	2,086867E+22	1,919775E+22	1,919757E+22	2,086819E+22	2,314626E+22

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
421	2,487257E+22	2,558447E+22	2,564011E+22	2,564040E+22	2,558500E+22	2,487303E+22	2,314662E+22	2,086841E+22	1,919751E+22	1,919737E+22	2,086813E+22	2,314653E+22
422	2,487340E+22	2,558581E+22	2,564141E+22	2,564147E+22	2,558578E+22	2,487316E+22	2,314622E+22	2,086783E+22	1,919710E+22	1,919733E+22	2,086839E+22	2,314671E+22
423	2,487307E+22	2,558481E+22	2,563985E+22	2,563968E+22	2,558463E+22	2,487296E+22	2,314648E+22	2,086804E+22	1,919708E+22	1,919714E+22	2,086817E+22	2,314651E+22
424	2,487279E+22	2,558482E+22	2,564065E+22	2,564080E+22	2,558534E+22	2,487336E+22	2,314674E+22	2,086820E+22	1,919704E+22	1,919689E+22	2,086797E+22	2,314679E+22
425	2,487373E+22	2,558578E+22	2,564117E+22	2,564110E+22	2,558535E+22	2,487309E+22	2,314656E+22	2,086822E+22	1,919726E+22	1,919720E+22	2,086803E+22	2,314629E+22
426	2,487279E+22	2,558466E+22	2,563983E+22	2,563988E+22	2,558473E+22	2,487293E+22	2,314664E+22	2,086851E+22	1,919764E+22	1,919748E+22	2,086811E+22	2,314618E+22
427	2,487275E+22	2,558538E+22	2,564138E+22	2,564135E+22	2,558575E+22	2,487350E+22	2,314675E+22	2,086841E+22	1,919766E+22	1,919777E+22	2,086867E+22	2,314685E+22
428	2,487316E+22	2,558515E+22	2,564078E+22	2,564069E+22	2,558501E+22	2,487303E+22	2,314679E+22	2,086883E+22	1,919822E+22	1,919825E+22	2,086880E+22	2,314657E+22
429	2,487252E+22	2,558416E+22	2,563979E+22	2,564026E+22	2,558510E+22	2,487327E+22	2,314700E+22	2,086904E+22	1,919842E+22	1,919835E+22	2,086889E+22	2,314689E+22
430	2,487339E+22	2,558565E+22	2,564132E+22	2,564143E+22	2,558587E+22	2,487351E+22	2,314692E+22	2,086891E+22	1,919844E+22	1,919858E+22	2,086927E+22	2,314728E+22
431	2,487353E+22	2,558527E+22	2,564030E+22	2,563984E+22	2,558441E+22	2,487287E+22	2,314700E+22	2,086934E+22	1,919889E+22	1,919882E+22	2,086917E+22	2,314683E+22
432	2,487288E+22	2,558496E+22	2,564085E+22	2,564084E+22	2,558504E+22	2,487306E+22	2,314709E+22	2,086952E+22	1,919905E+22	1,919883E+22	2,086909E+22	2,314697E+22
433	2,487360E+22	2,558601E+22	2,564181E+22	2,564177E+22	2,558571E+22	2,487311E+22	2,314677E+22	2,086921E+22	1,919903E+22	1,919912E+22	2,086940E+22	2,314686E+22
434	2,487282E+22	2,558475E+22	2,564028E+22	2,564027E+22	2,558491E+22	2,487301E+22	2,314685E+22	2,086923E+22	1,919897E+22	1,919897E+22	2,086924E+22	2,314674E+22
435	2,487272E+22	2,558500E+22	2,564122E+22	2,564146E+22	2,558587E+22	2,487371E+22	2,314718E+22	2,086913E+22	1,919860E+22	1,919866E+22	2,086928E+22	2,314725E+22
436	2,487355E+22	2,558541E+22	2,564095E+22	2,564094E+22	2,558524E+22	2,487321E+22	2,314709E+22	2,086931E+22	1,919876E+22	1,919867E+22	2,086903E+22	2,314671E+22
437	2,487276E+22	2,558446E+22	2,563979E+22	2,563993E+22	2,558479E+22	2,487313E+22	2,314706E+22	2,086928E+22	1,919863E+22	1,919837E+22	2,086868E+22	2,314654E+22
438	2,487305E+22	2,558556E+22	2,564148E+22	2,564138E+22	2,558571E+22	2,487344E+22	2,314687E+22	2,086883E+22	1,919825E+22	1,919827E+22	2,086889E+22	2,314695E+22
439	2,487333E+22	2,558522E+22	2,564059E+22	2,564019E+22	2,558447E+22	2,487266E+22	2,314660E+22	2,086878E+22	1,919825E+22	1,919826E+22	2,086876E+22	2,314651E+22
440	2,487254E+22	2,558439E+22	2,564021E+22	2,564054E+22	2,558504E+22	2,487296E+22	2,314663E+22	2,086869E+22	1,919800E+22	1,919789E+22	2,086853E+22	2,314671E+22
441	2,487337E+22	2,558563E+22	2,564129E+22	2,564146E+22	2,558588E+22	2,487335E+22	2,314652E+22	2,086829E+22	1,919766E+22	1,919784E+22	2,086873E+22	2,314687E+22
442	2,487309E+22	2,558482E+22	2,564001E+22	2,563973E+22	2,558454E+22	2,487290E+22	2,314658E+22	2,086844E+22	1,919765E+22	1,919760E+22	2,086834E+22	2,314648E+22
443	2,487278E+22	2,558486E+22	2,564079E+22	2,564086E+22	2,558532E+22	2,487339E+22	2,314693E+22	2,086861E+22	1,919769E+22	1,919757E+22	2,086834E+22	2,314672E+22
444	2,487353E+22	2,558568E+22	2,564122E+22	2,564108E+22	2,558518E+22	2,487296E+22	2,314672E+22	2,086881E+22	1,919817E+22	1,919811E+22	2,086859E+22	2,314638E+22
445	2,487259E+22	2,558449E+22	2,563988E+22	2,563995E+22	2,558475E+22	2,487290E+22	2,314668E+22	2,086893E+22	1,919843E+22	1,919833E+22	2,086869E+22	2,314636E+22
446	2,487259E+22	2,558503E+22	2,564121E+22	2,564141E+22	2,558591E+22	2,487364E+22	2,314694E+22	2,086885E+22	1,919841E+22	1,919855E+22	2,086917E+22	2,314717E+22
447	2,487343E+22	2,558518E+22	2,564059E+22	2,564038E+22	2,558473E+22	2,487291E+22	2,314688E+22	2,086919E+22	1,919884E+22	1,919895E+22	2,086935E+22	2,314693E+22
448	2,487280E+22	2,558441E+22	2,563995E+22	2,564019E+22	2,558478E+22	2,487295E+22	2,314707E+22	2,086962E+22	1,919918E+22	1,919894E+22	2,086915E+22	2,314692E+22
449	2,487344E+22	2,558582E+22	2,564155E+22	2,564151E+22	2,558573E+22	2,487335E+22	2,314702E+22	2,086946E+22	1,919928E+22	1,919933E+22	2,086960E+22	2,314719E+22
450	2,487330E+22	2,558531E+22	2,564079E+22	2,564028E+22	2,558443E+22	2,487262E+22	2,314686E+22	2,086962E+22	1,919954E+22	1,919951E+22	2,086952E+22	2,314676E+22
451	2,487262E+22	2,558479E+22	2,564104E+22	2,564128E+22	2,558544E+22	2,487324E+22	2,314714E+22	2,086969E+22	1,919955E+22	1,919954E+22	2,086965E+22	2,314706E+22
452	2,487334E+22	2,558567E+22	2,564161E+22	2,564171E+22	2,558580E+22	2,487336E+22	2,314709E+22	2,086967E+22	1,919966E+22	1,919980E+22	2,086993E+22	2,314711E+22
453	2,487279E+22	2,558456E+22	2,564009E+22	2,564013E+22	2,558491E+22	2,487323E+22	2,314721E+22	2,086976E+22	1,919958E+22	1,919950E+22	2,086955E+22	2,314686E+22
454	2,487274E+22	2,558486E+22	2,564103E+22	2,564134E+22	2,558582E+22	2,487379E+22	2,314749E+22	2,086972E+22	1,919935E+22	1,919925E+22	2,086947E+22	2,314729E+22
455	2,487373E+22	2,558557E+22	2,564091E+22	2,564063E+22	2,558480E+22	2,487291E+22	2,314709E+22	2,086969E+22	1,919947E+22	1,919941E+22	2,086950E+22	2,314683E+22
456	2,487277E+22	2,558460E+22	2,564008E+22	2,564009E+22	2,558453E+22	2,487268E+22	2,314692E+22	2,086967E+22	1,919933E+22	1,919906E+22	2,086911E+22	2,314661E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
457	2,487290E+22	2,558542E+22	2,564150E+22	2,564154E+22	2,558576E+22	2,487332E+22	2,314677E+22	2,086904E+22	1,919882E+22	1,919896E+22	2,086942E+22	2,314715E+22
458	2,487319E+22	2,558506E+22	2,564069E+22	2,564037E+22	2,558453E+22	2,487263E+22	2,314652E+22	2,086882E+22	1,919852E+22	1,919867E+22	2,086913E+22	2,314676E+22
459	2,487268E+22	2,558437E+22	2,564021E+22	2,564062E+22	2,558516E+22	2,487313E+22	2,314681E+22	2,086884E+22	1,919825E+22	1,919826E+22	2,086882E+22	2,314679E+22
460	2,487341E+22	2,558567E+22	2,564122E+22	2,564122E+22	2,558563E+22	2,487335E+22	2,314682E+22	2,086884E+22	1,919832E+22	1,919836E+22	2,086892E+22	2,314681E+22
461	2,487304E+22	2,558495E+22	2,564020E+22	2,563977E+22	2,558443E+22	2,487287E+22	2,314676E+22	2,086898E+22	1,919842E+22	1,919824E+22	2,086854E+22	2,314628E+22
462	2,487249E+22	2,558468E+22	2,564088E+22	2,564113E+22	2,558546E+22	2,487339E+22	2,314707E+22	2,086916E+22	1,919858E+22	1,919840E+22	2,086870E+22	2,314666E+22
463	2,487336E+22	2,558549E+22	2,564112E+22	2,564106E+22	2,558514E+22	2,487289E+22	2,314673E+22	2,086915E+22	1,919892E+22	1,919902E+22	2,086931E+22	2,314669E+22
464	2,487254E+22	2,558434E+22	2,563986E+22	2,564000E+22	2,558464E+22	2,487278E+22	2,314683E+22	2,086945E+22	1,919915E+22	1,919906E+22	2,086924E+22	2,314665E+22
465	2,487264E+22	2,558490E+22	2,564103E+22	2,564129E+22	2,558579E+22	2,487365E+22	2,314719E+22	2,086942E+22	1,919918E+22	1,919929E+22	2,086969E+22	2,314740E+22
466	2,487350E+22	2,558531E+22	2,564081E+22	2,564041E+22	2,558453E+22	2,487271E+22	2,314690E+22	2,086957E+22	1,919951E+22	1,919959E+22	2,086972E+22	2,314704E+22
467	2,487290E+22	2,558463E+22	2,564026E+22	2,564039E+22	2,558476E+22	2,487288E+22	2,314711E+22	2,086990E+22	1,919982E+22	1,919971E+22	2,086962E+22	2,314690E+22
468	2,487325E+22	2,558580E+22	2,564173E+22	2,564166E+22	2,558569E+22	2,487326E+22	2,314712E+22	2,086995E+22	1,920011E+22	1,920019E+22	2,087015E+22	2,314729E+22
469	2,487312E+22	2,558515E+22	2,564086E+22	2,564056E+22	2,558471E+22	2,487278E+22	2,314694E+22	2,086996E+22	1,920020E+22	1,920021E+22	2,086999E+22	2,314689E+22
470	2,487246E+22	2,558443E+22	2,564079E+22	2,564138E+22	2,558572E+22	2,487358E+22	2,314749E+22	2,087016E+22	1,920018E+22	1,920013E+22	2,087000E+22	2,314727E+22
471	2,487349E+22	2,558562E+22	2,564135E+22	2,564138E+22	2,558555E+22	2,487335E+22	2,314734E+22	2,087012E+22	1,920025E+22	1,920038E+22	2,087036E+22	2,314737E+22
472	2,487297E+22	2,558472E+22	2,564015E+22	2,563996E+22	2,558445E+22	2,487287E+22	2,314735E+22	2,087037E+22	1,920030E+22	1,920004E+22	2,086978E+22	2,314684E+22
473	2,487269E+22	2,558491E+22	2,564108E+22	2,564128E+22	2,558554E+22	2,487354E+22	2,314754E+22	2,087020E+22	1,920012E+22	1,919998E+22	2,086985E+22	2,314724E+22
474	2,487348E+22	2,558559E+22	2,564126E+22	2,564090E+22	2,558468E+22	2,487254E+22	2,314680E+22	2,086977E+22	1,919993E+22	1,920001E+22	2,086991E+22	2,314690E+22
475	2,487264E+22	2,558451E+22	2,564017E+22	2,564035E+22	2,558476E+22	2,487273E+22	2,314681E+22	2,086960E+22	1,919960E+22	1,919962E+22	2,086961E+22	2,314676E+22
476	2,487279E+22	2,558524E+22	2,564136E+22	2,564149E+22	2,558577E+22	2,487346E+22	2,314700E+22	2,086936E+22	1,919926E+22	1,919943E+22	2,086981E+22	2,314739E+22
477	2,487328E+22	2,558504E+22	2,564062E+22	2,564039E+22	2,558460E+22	2,487278E+22	2,314677E+22	2,086923E+22	1,919900E+22	1,919902E+22	2,086925E+22	2,314675E+22
478	2,487267E+22	2,558436E+22	2,564017E+22	2,564065E+22	2,558521E+22	2,487329E+22	2,314717E+22	2,086946E+22	1,919898E+22	1,919876E+22	2,086890E+22	2,314665E+22
479	2,487338E+22	2,558577E+22	2,564129E+22	2,564111E+22	2,558532E+22	2,487315E+22	2,314695E+22	2,086935E+22	1,919912E+22	1,919916E+22	2,086938E+22	2,314681E+22
480	2,487284E+22	2,558492E+22	2,564041E+22	2,564000E+22	2,558425E+22	2,487252E+22	2,314680E+22	2,086955E+22	1,919930E+22	1,919911E+22	2,086908E+22	2,314634E+22
481	2,487221E+22	2,558436E+22	2,564069E+22	2,564119E+22	2,558555E+22	2,487341E+22	2,314715E+22	2,086957E+22	1,919939E+22	1,919934E+22	2,086944E+22	2,314695E+22
482	2,487320E+22	2,558528E+22	2,564106E+22	2,564105E+22	2,558506E+22	2,487281E+22	2,314673E+22	2,086937E+22	1,919944E+22	1,919969E+22	2,086991E+22	2,314710E+22
483	2,487277E+22	2,558441E+22	2,563983E+22	2,563997E+22	2,558459E+22	2,487279E+22	2,314695E+22	2,086969E+22	1,919965E+22	1,919968E+22	2,086972E+22	2,314688E+22
484	2,487281E+22	2,558510E+22	2,564110E+22	2,564113E+22	2,558546E+22	2,487347E+22	2,314737E+22	2,086999E+22	1,919997E+22	1,919998E+22	2,087006E+22	2,314750E+22
485	2,487354E+22	2,558551E+22	2,564112E+22	2,564067E+22	2,558455E+22	2,487261E+22	2,314695E+22	2,087002E+22	1,920026E+22	1,920027E+22	2,087001E+22	2,314693E+22
486	2,487269E+22	2,558458E+22	2,564049E+22	2,564082E+22	2,558508E+22	2,487302E+22	2,314729E+22	2,087038E+22	1,920059E+22	1,920043E+22	2,086998E+22	2,314689E+22
487	2,487308E+22	2,558563E+22	2,564166E+22	2,564169E+22	2,558575E+22	2,487336E+22	2,314729E+22	2,087033E+22	1,920078E+22	1,920097E+22	2,087075E+22	2,314754E+22
488	2,487304E+22	2,558500E+22	2,564082E+22	2,564063E+22	2,558468E+22	2,487282E+22	2,314731E+22	2,087059E+22	1,920089E+22	1,920083E+22	2,087040E+22	2,314706E+22
489	2,487244E+22	2,558426E+22	2,564050E+22	2,564117E+22	2,558561E+22	2,487362E+22	2,314782E+22	2,087080E+22	1,920097E+22	1,920081E+22	2,087039E+22	2,314734E+22
490	2,487339E+22	2,558565E+22	2,564141E+22	2,564124E+22	2,558521E+22	2,487307E+22	2,314735E+22	2,087050E+22	1,920088E+22	1,920098E+22	2,087070E+22	2,314745E+22
491	2,487299E+22	2,558487E+22	2,564037E+22	2,564007E+22	2,558429E+22	2,487262E+22	2,314726E+22	2,087054E+22	1,920085E+22	1,920076E+22	2,087025E+22	2,314686E+22
492	2,487251E+22	2,558486E+22	2,564118E+22	2,564132E+22	2,558534E+22	2,487323E+22	2,314745E+22	2,087050E+22	1,920075E+22	1,920070E+22	2,087041E+22	2,314744E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
493	2,487338E+22	2,558546E+22	2,564125E+22	2,564112E+22	2,558493E+22	2,487260E+22	2,314673E+22	2,086987E+22	1,920032E+22	1,920050E+22	2,087029E+22	2,314709E+22
494	2,487262E+22	2,558438E+22	2,564005E+22	2,564045E+22	2,558501E+22	2,487300E+22	2,314707E+22	2,086989E+22	1,919997E+22	1,919993E+22	2,086978E+22	2,314692E+22
495	2,487297E+22	2,558531E+22	2,564122E+22	2,564125E+22	2,558555E+22	2,487343E+22	2,314722E+22	2,086977E+22	1,919974E+22	1,919984E+22	2,087003E+22	2,314746E+22
496	2,487336E+22	2,558523E+22	2,564083E+22	2,564045E+22	2,558434E+22	2,487254E+22	2,314700E+22	2,086987E+22	1,919971E+22	1,919951E+22	2,086936E+22	2,314656E+22
497	2,487244E+22	2,558431E+22	2,564021E+22	2,564073E+22	2,558513E+22	2,487317E+22	2,314733E+22	2,087004E+22	1,919986E+22	1,919959E+22	2,086932E+22	2,314650E+22
498	2,487289E+22	2,558557E+22	2,564148E+22	2,564135E+22	2,558533E+22	2,487296E+22	2,314684E+22	2,086961E+22	1,919977E+22	1,919994E+22	2,086997E+22	2,314697E+22
499	2,487266E+22	2,558470E+22	2,564035E+22	2,564015E+22	2,558444E+22	2,487261E+22	2,314682E+22	2,086969E+22	1,919983E+22	1,919993E+22	2,086979E+22	2,314665E+22
500	2,487214E+22	2,558416E+22	2,564046E+22	2,564097E+22	2,558537E+22	2,487341E+22	2,314742E+22	2,087008E+22	1,920008E+22	1,920008E+22	2,087005E+22	2,314738E+22
501	2,487342E+22	2,558534E+22	2,564096E+22	2,564098E+22	2,558505E+22	2,487282E+22	2,314690E+22	2,086984E+22	1,920009E+22	1,920027E+22	2,087024E+22	2,314727E+22
502	2,487294E+22	2,558461E+22	2,563993E+22	2,564001E+22	2,558458E+22	2,487283E+22	2,314721E+22	2,087027E+22	1,920041E+22	1,920028E+22	2,086995E+22	2,314692E+22
503	2,487290E+22	2,558533E+22	2,564135E+22	2,564119E+22	2,558522E+22	2,487321E+22	2,314744E+22	2,087048E+22	1,920078E+22	1,920080E+22	2,087056E+22	2,314759E+22
504	2,487343E+22	2,558557E+22	2,564145E+22	2,564107E+22	2,558454E+22	2,487235E+22	2,314702E+22	2,087056E+22	1,920105E+22	1,920104E+22	2,087047E+22	2,314697E+22
505	2,487239E+22	2,558429E+22	2,564035E+22	2,564095E+22	2,558530E+22	2,487320E+22	2,314752E+22	2,087085E+22	1,920137E+22	1,920128E+22	2,087058E+22	2,314704E+22
506	2,487280E+22	2,558541E+22	2,564163E+22	2,564167E+22	2,558569E+22	2,487337E+22	2,314744E+22	2,087065E+22	1,920129E+22	1,920154E+22	2,087119E+22	2,314778E+22
507	2,487314E+22	2,558501E+22	2,564073E+22	2,564049E+22	2,558455E+22	2,487277E+22	2,314745E+22	2,087094E+22	1,920148E+22	1,920146E+22	2,087076E+22	2,314712E+22
508	2,487244E+22	2,558434E+22	2,564047E+22	2,564089E+22	2,558520E+22	2,487335E+22	2,314796E+22	2,087138E+22	1,920179E+22	1,920153E+22	2,087077E+22	2,314742E+22
509	2,487335E+22	2,558570E+22	2,564155E+22	2,564140E+22	2,558519E+22	2,487282E+22	2,314722E+22	2,087080E+22	1,920152E+22	1,920161E+22	2,087102E+22	2,314743E+22
510	2,487281E+22	2,558479E+22	2,564051E+22	2,564038E+22	2,558455E+22	2,487265E+22	2,314726E+22	2,087080E+22	1,920136E+22	1,920128E+22	2,087060E+22	2,314701E+22
511	2,487245E+22	2,558475E+22	2,564116E+22	2,564134E+22	2,558534E+22	2,487320E+22	2,314747E+22	2,087067E+22	1,920116E+22	1,920124E+22	2,087090E+22	2,314774E+22
512	2,487342E+22	2,558541E+22	2,564129E+22	2,564123E+22	2,558490E+22	2,487259E+22	2,314702E+22	2,087033E+22	1,920077E+22	1,920086E+22	2,087050E+22	2,314717E+22
513	2,487261E+22	2,558432E+22	2,563990E+22	2,564036E+22	2,558504E+22	2,487314E+22	2,314741E+22	2,087046E+22	1,920065E+22	1,920047E+22	2,087002E+22	2,314683E+22
514	2,487275E+22	2,558535E+22	2,564139E+22	2,564119E+22	2,558535E+22	2,487328E+22	2,314731E+22	2,087017E+22	1,920036E+22	1,920040E+22	2,087028E+22	2,314741E+22
515	2,487322E+22	2,558527E+22	2,564102E+22	2,564060E+22	2,558433E+22	2,487240E+22	2,314700E+22	2,087019E+22	1,920041E+22	1,920033E+22	2,086986E+22	2,314656E+22
516	2,487215E+22	2,558410E+22	2,564015E+22	2,564070E+22	2,558503E+22	2,487299E+22	2,314736E+22	2,087049E+22	1,920067E+22	1,920048E+22	2,087001E+22	2,314684E+22
517	2,487278E+22	2,558526E+22	2,564124E+22	2,564140E+22	2,558554E+22	2,487302E+22	2,314687E+22	2,086987E+22	1,920033E+22	1,920061E+22	2,087052E+22	2,314735E+22
518	2,487278E+22	2,558462E+22	2,564021E+22	2,564010E+22	2,558451E+22	2,487277E+22	2,314711E+22	2,087012E+22	1,920036E+22	1,920040E+22	2,087017E+22	2,314701E+22
519	2,487247E+22	2,558437E+22	2,564045E+22	2,564067E+22	2,558494E+22	2,487314E+22	2,314753E+22	2,087055E+22	1,920074E+22	1,920067E+22	2,087043E+22	2,314759E+22
520	2,487362E+22	2,558569E+22	2,564134E+22	2,564111E+22	2,558476E+22	2,487250E+22	2,314705E+22	2,087045E+22	1,920088E+22	1,920089E+22	2,087044E+22	2,314715E+22
521	2,487279E+22	2,558471E+22	2,564022E+22	2,564029E+22	2,558465E+22	2,487273E+22	2,314729E+22	2,087079E+22	1,920130E+22	1,920113E+22	2,087035E+22	2,314673E+22
522	2,487242E+22	2,558518E+22	2,564161E+22	2,564151E+22	2,558538E+22	2,487313E+22	2,314739E+22	2,087076E+22	1,920142E+22	1,920153E+22	2,087106E+22	2,314768E+22
523	2,487320E+22	2,558535E+22	2,564145E+22	2,564130E+22	2,558486E+22	2,487258E+22	2,314717E+22	2,087084E+22	1,920167E+22	1,920183E+22	2,087103E+22	2,314714E+22
524	2,487223E+22	2,558401E+22	2,564010E+22	2,564072E+22	2,558518E+22	2,487327E+22	2,314790E+22	2,087151E+22	1,920216E+22	1,920202E+22	2,087112E+22	2,314735E+22
525	2,487284E+22	2,558524E+22	2,564140E+22	2,564155E+22	2,558569E+22	2,487338E+22	2,314765E+22	2,087119E+22	1,920203E+22	1,920216E+22	2,087151E+22	2,314789E+22
526	2,487319E+22	2,558510E+22	2,564079E+22	2,564043E+22	2,558443E+22	2,487273E+22	2,314766E+22	2,087147E+22	1,920223E+22	1,920208E+22	2,087108E+22	2,314724E+22
527	2,487247E+22	2,558443E+22	2,564063E+22	2,564082E+22	2,558483E+22	2,487291E+22	2,314784E+22	2,087173E+22	1,920251E+22	1,920232E+22	2,087133E+22	2,314763E+22
528	2,487331E+22	2,558571E+22	2,564178E+22	2,564165E+22	2,558515E+22	2,487257E+22	2,314716E+22	2,087110E+22	1,920210E+22	1,920224E+22	2,087146E+22	2,314758E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
529	2,487270E+22	2,558459E+22	2,564041E+22	2,564046E+22	2,558475E+22	2,487281E+22	2,314737E+22	2,087104E+22	1,920185E+22	1,920186E+22	2,087102E+22	2,314716E+22
530	2,487235E+22	2,558469E+22	2,564118E+22	2,564129E+22	2,558530E+22	2,487321E+22	2,314757E+22	2,087087E+22	1,920144E+22	1,920152E+22	2,087110E+22	2,314791E+22
531	2,487358E+22	2,558554E+22	2,564136E+22	2,564121E+22	2,558489E+22	2,487259E+22	2,314713E+22	2,087065E+22	1,920126E+22	1,920131E+22	2,087064E+22	2,314706E+22
532	2,487250E+22	2,558436E+22	2,563999E+22	2,564021E+22	2,558476E+22	2,487298E+22	2,314761E+22	2,087106E+22	1,920144E+22	1,920115E+22	2,087033E+22	2,314679E+22
533	2,487252E+22	2,558517E+22	2,564144E+22	2,564140E+22	2,558548E+22	2,487317E+22	2,314730E+22	2,087054E+22	1,920106E+22	1,920108E+22	2,087062E+22	2,314736E+22
534	2,487294E+22	2,558505E+22	2,564100E+22	2,564075E+22	2,558456E+22	2,487254E+22	2,314713E+22	2,087057E+22	1,920105E+22	1,920097E+22	2,087035E+22	2,314684E+22
535	2,487212E+22	2,558391E+22	2,564001E+22	2,564052E+22	2,558487E+22	2,487289E+22	2,314745E+22	2,087085E+22	1,920128E+22	1,920119E+22	2,087064E+22	2,314730E+22
536	2,487300E+22	2,558527E+22	2,564124E+22	2,564132E+22	2,558529E+22	2,487286E+22	2,314711E+22	2,087040E+22	1,920095E+22	1,920114E+22	2,087085E+22	2,314755E+22
537	2,487292E+22	2,558469E+22	2,564019E+22	2,564000E+22	2,558442E+22	2,487274E+22	2,314731E+22	2,087067E+22	1,920115E+22	1,920109E+22	2,087049E+22	2,314698E+22
538	2,487238E+22	2,558460E+22	2,564084E+22	2,564076E+22	2,558474E+22	2,487286E+22	2,314747E+22	2,087089E+22	1,920139E+22	1,920131E+22	2,087076E+22	2,314757E+22
539	2,487352E+22	2,558580E+22	2,564171E+22	2,564146E+22	2,558487E+22	2,487234E+22	2,314695E+22	2,087074E+22	1,920164E+22	1,920176E+22	2,087092E+22	2,314709E+22
540	2,487244E+22	2,558447E+22	2,564028E+22	2,564043E+22	2,558478E+22	2,487275E+22	2,314742E+22	2,087129E+22	1,920216E+22	1,920206E+22	2,087103E+22	2,314700E+22
541	2,487223E+22	2,558475E+22	2,564135E+22	2,564164E+22	2,558573E+22	2,487336E+22	2,314757E+22	2,087114E+22	1,920206E+22	1,920222E+22	2,087153E+22	2,314790E+22
542	2,487321E+22	2,558518E+22	2,564126E+22	2,564118E+22	2,558495E+22	2,487284E+22	2,314761E+22	2,087144E+22	1,920233E+22	1,920235E+22	2,087140E+22	2,314744E+22
543	2,487243E+22	2,558409E+22	2,564002E+22	2,564035E+22	2,558471E+22	2,487299E+22	2,314806E+22	2,087210E+22	1,920296E+22	1,920273E+22	2,087156E+22	2,314757E+22
544	2,487299E+22	2,558542E+22	2,564163E+22	2,564152E+22	2,558529E+22	2,487302E+22	2,314776E+22	2,087176E+22	1,920282E+22	1,920285E+22	2,087181E+22	2,314785E+22
545	2,487306E+22	2,558509E+22	2,564097E+22	2,564062E+22	2,558445E+22	2,487258E+22	2,314763E+22	2,087185E+22	1,920300E+22	1,920291E+22	2,087157E+22	2,314720E+22
546	2,487218E+22	2,558438E+22	2,564086E+22	2,564103E+22	2,558489E+22	2,487277E+22	2,314765E+22	2,087179E+22	1,920292E+22	1,920290E+22	2,087180E+22	2,314784E+22
547	2,487329E+22	2,558564E+22	2,564184E+22	2,564182E+22	2,558539E+22	2,487271E+22	2,314720E+22	2,087124E+22	1,920251E+22	1,920278E+22	2,087181E+22	2,314772E+22
548	2,487268E+22	2,558449E+22	2,564032E+22	2,564033E+22	2,558470E+22	2,487290E+22	2,314768E+22	2,087157E+22	1,920245E+22	1,920235E+22	2,087132E+22	2,314731E+22
549	2,487239E+22	2,558456E+22	2,564104E+22	2,564129E+22	2,558541E+22	2,487329E+22	2,314778E+22	2,087134E+22	1,920204E+22	1,920195E+22	2,087119E+22	2,314779E+22
550	2,487351E+22	2,558561E+22	2,564151E+22	2,564126E+22	2,558489E+22	2,487267E+22	2,314742E+22	2,087120E+22	1,920194E+22	1,920183E+22	2,087088E+22	2,314706E+22
551	2,487235E+22	2,558429E+22	2,564010E+22	2,564013E+22	2,558443E+22	2,487261E+22	2,314756E+22	2,087148E+22	1,920221E+22	1,920198E+22	2,087092E+22	2,314699E+22
552	2,487239E+22	2,558495E+22	2,564145E+22	2,564148E+22	2,558541E+22	2,487304E+22	2,314735E+22	2,087090E+22	1,920171E+22	1,920181E+22	2,087115E+22	2,314758E+22
553	2,487288E+22	2,558480E+22	2,564080E+22	2,564067E+22	2,558462E+22	2,487263E+22	2,314725E+22	2,087087E+22	1,920164E+22	1,920168E+22	2,087088E+22	2,314705E+22
554	2,487216E+22	2,558394E+22	2,564001E+22	2,564033E+22	2,558460E+22	2,487268E+22	2,314740E+22	2,087106E+22	1,920170E+22	1,920164E+22	2,087097E+22	2,314754E+22
555	2,487327E+22	2,558554E+22	2,564145E+22	2,564134E+22	2,558517E+22	2,487269E+22	2,314706E+22	2,087072E+22	1,920159E+22	1,920174E+22	2,087106E+22	2,314748E+22
556	2,487287E+22	2,558483E+22	2,564049E+22	2,564007E+22	2,558425E+22	2,487253E+22	2,314738E+22	2,087120E+22	1,920198E+22	1,920185E+22	2,087086E+22	2,314695E+22
557	2,487215E+22	2,558442E+22	2,564100E+22	2,564119E+22	2,558508E+22	2,487287E+22	2,314748E+22	2,087124E+22	1,920209E+22	1,920203E+22	2,087111E+22	2,314750E+22
558	2,487323E+22	2,558559E+22	2,564178E+22	2,564175E+22	2,558529E+22	2,487271E+22	2,314724E+22	2,087119E+22	1,920229E+22	1,920241E+22	2,087143E+22	2,314733E+22
559	2,487231E+22	2,558419E+22	2,564012E+22	2,564028E+22	2,558466E+22	2,487281E+22	2,314772E+22	2,087185E+22	1,920294E+22	1,920287E+22	2,087166E+22	2,314738E+22
560	2,487235E+22	2,558460E+22	2,564120E+22	2,564146E+22	2,558553E+22	2,487339E+22	2,314799E+22	2,087185E+22	1,920288E+22	1,920292E+22	2,087191E+22	2,314804E+22
561	2,487328E+22	2,558517E+22	2,564114E+22	2,564096E+22	2,558476E+22	2,487282E+22	2,314786E+22	2,087211E+22	1,920329E+22	1,920321E+22	2,087184E+22	2,314743E+22
562	2,487237E+22	2,558429E+22	2,564030E+22	2,564029E+22	2,558432E+22	2,487258E+22	2,314793E+22	2,087244E+22	1,920367E+22	1,920348E+22	2,087202E+22	2,314770E+22
563	2,487301E+22	2,558555E+22	2,564195E+22	2,564179E+22	2,558526E+22	2,487270E+22	2,314750E+22	2,087197E+22	1,920352E+22	1,920367E+22	2,087232E+22	2,314793E+22
564	2,487289E+22	2,558494E+22	2,564104E+22	2,564076E+22	2,558452E+22	2,487254E+22	2,314761E+22	2,087213E+22	1,920360E+22	1,920364E+22	2,087217E+22	2,314752E+22

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°
565	2,487218E+22	2,558413E+22	2,564073E+22	2,564122E+22	2,558520E+22	2,487296E+22	2,314775E+22	2,087196E+22	1,920325E+22	1,920328E+22	2,087206E+22	2,314798E+22
566	2,487339E+22	2,558567E+22	2,564179E+22	2,564177E+22	2,558548E+22	2,487300E+22	2,314758E+22	2,087169E+22	1,920292E+22	1,920302E+22	2,087194E+22	2,314781E+22
567	2,487275E+22	2,558459E+22	2,564039E+22	2,564014E+22	2,558435E+22	2,487272E+22	2,314786E+22	2,087211E+22	1,920316E+22	1,920292E+22	2,087155E+22	2,314730E+22
568	2,487237E+22	2,558460E+22	2,564122E+22	2,564134E+22	2,558514E+22	2,487308E+22	2,314792E+22	2,087186E+22	1,920278E+22	1,920259E+22	2,087139E+22	2,314755E+22
569	2,487315E+22	2,558536E+22	2,564151E+22	2,564141E+22	2,558495E+22	2,487263E+22	2,314746E+22	2,087160E+22	1,920271E+22	1,920267E+22	2,087138E+22	2,314699E+22
570	2,487201E+22	2,558409E+22	2,564012E+22	2,564019E+22	2,558439E+22	2,487248E+22	2,314742E+22	2,087158E+22	1,920265E+22	1,920261E+22	2,087148E+22	2,314731E+22
571	2,487245E+22	2,558483E+22	2,564136E+22	2,564146E+22	2,558538E+22	2,487301E+22	2,314733E+22	2,087110E+22	1,920222E+22	1,920243E+22	2,087160E+22	2,314781E+22
572	2,487297E+22	2,558475E+22	2,564069E+22	2,564049E+22	2,558444E+22	2,487260E+22	2,314745E+22	2,087135E+22	1,920230E+22	1,920230E+22	2,087130E+22	2,314730E+22
573	2,487233E+22	2,558397E+22	2,564003E+22	2,564043E+22	2,558465E+22	2,487265E+22	2,314746E+22	2,087140E+22	1,920229E+22	1,920215E+22	2,087115E+22	2,314747E+22
574	2,487327E+22	2,558573E+22	2,564175E+22	2,564153E+22	2,558522E+22	2,487275E+22	2,314727E+22	2,087121E+22	1,920225E+22	1,920231E+22	2,087139E+22	2,314751E+22
575	2,487270E+22	2,558477E+22	2,564070E+22	2,564026E+22	2,558416E+22	2,487233E+22	2,314740E+22	2,087168E+22	1,920282E+22	1,920273E+22	2,087146E+22	2,314714E+22
576	2,487202E+22	2,558417E+22	2,564096E+22	2,564132E+22	2,558518E+22	2,487301E+22	2,314774E+22	2,087173E+22	1,920284E+22	1,920281E+22	2,087162E+22	2,314762E+22
577	2,487307E+22	2,558528E+22	2,564155E+22	2,564167E+22	2,558538E+22	2,487299E+22	2,314764E+22	2,087177E+22	1,920308E+22	1,920322E+22	2,087196E+22	2,314748E+22
578	2,487232E+22	2,558422E+22	2,564009E+22	2,564004E+22	2,558430E+22	2,487263E+22	2,314785E+22	2,087231E+22	1,920361E+22	1,920351E+22	2,087209E+22	2,314762E+22
579	2,487256E+22	2,558482E+22	2,564132E+22	2,564138E+22	2,558523E+22	2,487310E+22	2,314796E+22	2,087233E+22	1,920377E+22	1,920373E+22	2,087226E+22	2,314801E+22
580	2,487322E+22	2,558528E+22	2,564136E+22	2,564101E+22	2,558452E+22	2,487251E+22	2,314785E+22	2,087260E+22	1,920418E+22	1,920412E+22	2,087239E+22	2,314754E+22
581	2,487224E+22	2,558413E+22	2,564041E+22	2,564071E+22	2,558459E+22	2,487247E+22	2,314776E+22	2,087261E+22	1,920425E+22	1,920416E+22	2,087246E+22	2,314778E+22
582	2,487289E+22	2,558549E+22	2,564207E+22	2,564208E+22	2,558559E+22	2,487299E+22	2,314770E+22	2,087224E+22	1,920394E+22	1,920414E+22	2,087278E+22	2,314824E+22
583	2,487289E+22	2,558480E+22	2,564101E+22	2,564075E+22	2,558442E+22	2,487254E+22	2,314782E+22	2,087253E+22	1,920414E+22	1,920417E+22	2,087257E+22	2,314778E+22
584	2,487230E+22	2,558408E+22	2,564065E+22	2,564114E+22	2,558510E+22	2,487309E+22	2,314816E+22	2,087252E+22	1,920385E+22	1,920372E+22	2,087218E+22	2,314785E+22
585	2,487329E+22	2,558566E+22	2,564178E+22	2,564170E+22	2,558541E+22	2,487309E+22	2,314789E+22	2,087225E+22	1,920369E+22	1,920369E+22	2,087217E+22	2,314756E+22
586	2,487249E+22	2,558464E+22	2,564056E+22	2,564011E+22	2,558400E+22	2,487237E+22	2,314778E+22	2,087242E+22	1,920379E+22	1,920359E+22	2,087197E+22	2,314734E+22
587	2,487222E+22	2,558448E+22	2,564125E+22	2,564149E+22	2,558512E+22	2,487284E+22	2,314771E+22	2,087209E+22	1,920349E+22	1,920340E+22	2,087192E+22	2,314765E+22
588	2,487293E+22	2,558504E+22	2,564131E+22	2,564136E+22	2,558493E+22	2,487259E+22	2,314747E+22	2,087186E+22	1,920330E+22	1,920342E+22	2,087205E+22	2,314741E+22
589	2,487209E+22	2,558383E+22	2,563985E+22	2,564021E+22	2,558448E+22	2,487252E+22	2,314746E+22	2,087173E+22	1,920297E+22	1,920300E+22	2,087181E+22	2,314757E+22
590	2,487271E+22	2,558504E+22	2,564140E+22	2,564138E+22	2,558528E+22	2,487307E+22	2,314758E+22	2,087150E+22	1,920261E+22	1,920271E+22	2,087182E+22	2,314799E+22
591	2,487312E+22	2,558499E+22	2,564090E+22	2,564043E+22	2,558406E+22	2,487230E+22	2,314751E+22	2,087181E+22	1,920299E+22	1,920290E+22	2,087159E+22	2,314732E+22
592	2,487233E+22	2,558412E+22	2,564034E+22	2,564065E+22	2,558457E+22	2,487257E+22	2,314764E+22	2,087187E+22	1,920302E+22	1,920283E+22	2,087139E+22	2,314722E+22
593	2,487289E+22	2,558557E+22	2,564186E+22	2,564182E+22	2,558547E+22	2,487292E+22	2,314747E+22	2,087169E+22	1,920308E+22	1,920318E+22	2,087186E+22	2,314739E+22
594	2,487236E+22	2,558460E+22	2,564072E+22	2,564038E+22	2,558419E+22	2,487236E+22	2,314751E+22	2,087202E+22	1,920347E+22	1,920348E+22	2,087205E+22	2,314743E+22
595	2,487205E+22	2,558401E+22	2,564080E+22	2,564130E+22	2,558517E+22	2,487304E+22	2,314792E+22	2,087226E+22	1,920367E+22	1,920361E+22	2,087211E+22	2,314779E+22
596	2,487304E+22	2,558514E+22	2,564135E+22	2,564147E+22	2,558517E+22	2,487294E+22	2,314794E+22	2,087247E+22	1,920402E+22	1,920410E+22	2,087254E+22	2,314775E+22
597	2,487242E+22	2,558421E+22	2,564010E+22	2,564011E+22	2,558419E+22	2,487245E+22	2,314789E+22	2,087275E+22	1,920436E+22	1,920425E+22	2,087249E+22	2,314768E+22
598	2,487259E+22	2,558504E+22	2,564162E+22	2,564152E+22	2,558509E+22	2,487294E+22	2,314804E+22	2,087276E+22	1,920445E+22	1,920445E+22	2,087281E+22	2,314820E+22
599	2,487309E+22	2,558525E+22	2,564156E+22	2,564122E+22	2,558444E+22	2,487224E+22	2,314772E+22	2,087291E+22	1,920491E+22	1,920498E+22	2,087306E+22	2,314787E+22
600	2,487227E+22	2,558405E+22	2,564043E+22	2,564085E+22	2,558473E+22	2,487264E+22	2,314791E+22	2,087285E+22	1,920473E+22	1,920473E+22	2,087285E+22	2,314789E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
601	2,487282E+22	2,558532E+22	2,564192E+22	2,564204E+22	2,558570E+22	2,487328E+22	2,314807E+22	2,087269E+22	1,920449E+22	1,920466E+22	2,087305E+22	2,314823E+22
602	2,487289E+22	2,558492E+22	2,564104E+22	2,564065E+22	2,558418E+22	2,487241E+22	2,314797E+22	2,087292E+22	1,920463E+22	1,920457E+22	2,087276E+22	2,314781E+22
603	2,487237E+22	2,558423E+22	2,564076E+22	2,564114E+22	2,558489E+22	2,487285E+22	2,314816E+22	2,087299E+22	1,920463E+22	1,920435E+22	2,087236E+22	2,314762E+22
604	2,487294E+22	2,558552E+22	2,564184E+22	2,564176E+22	2,558528E+22	2,487291E+22	2,314796E+22	2,087272E+22	1,920447E+22	1,920449E+22	2,087267E+22	2,314760E+22
605	2,487221E+22	2,558431E+22	2,564050E+22	2,564040E+22	2,558419E+22	2,487230E+22	2,314767E+22	2,087256E+22	1,920426E+22	1,920420E+22	2,087242E+22	2,314747E+22
606	2,487211E+22	2,558436E+22	2,564116E+22	2,564150E+22	2,558521E+22	2,487301E+22	2,314791E+22	2,087234E+22	1,920384E+22	1,920386E+22	2,087244E+22	2,314804E+22
607	2,487300E+22	2,558495E+22	2,564116E+22	2,564119E+22	2,558469E+22	2,487247E+22	2,314761E+22	2,087225E+22	1,920385E+22	1,920396E+22	2,087250E+22	2,314778E+22
608	2,487239E+22	2,558398E+22	2,563982E+22	2,564007E+22	2,558432E+22	2,487254E+22	2,314772E+22	2,087216E+22	1,920353E+22	1,920344E+22	2,087195E+22	2,314750E+22
609	2,487270E+22	2,558521E+22	2,564157E+22	2,564142E+22	2,558519E+22	2,487308E+22	2,314783E+22	2,087203E+22	1,920336E+22	1,920337E+22	2,087205E+22	2,314777E+22
610	2,487294E+22	2,558518E+22	2,564126E+22	2,564067E+22	2,558388E+22	2,487198E+22	2,314744E+22	2,087215E+22	1,920364E+22	1,920360E+22	2,087203E+22	2,314735E+22
611	2,487214E+22	2,558404E+22	2,564048E+22	2,564097E+22	2,558473E+22	2,487247E+22	2,314756E+22	2,087226E+22	1,920386E+22	1,920369E+22	2,087192E+22	2,314725E+22
612	2,487254E+22	2,558520E+22	2,564167E+22	2,564186E+22	2,558560E+22	2,487310E+22	2,314773E+22	2,087216E+22	1,920385E+22	1,920406E+22	2,087256E+22	2,314775E+22
613	2,487234E+22	2,558428E+22	2,564043E+22	2,564038E+22	2,558425E+22	2,487244E+22	2,314773E+22	2,087244E+22	1,920406E+22	1,920409E+22	2,087248E+22	2,314767E+22
614	2,487223E+22	2,558418E+22	2,564077E+22	2,564114E+22	2,558498E+22	2,487304E+22	2,314824E+22	2,087286E+22	1,920435E+22	1,920421E+22	2,087256E+22	2,314804E+22
615	2,487311E+22	2,558529E+22	2,564149E+22	2,564137E+22	2,558472E+22	2,487250E+22	2,314793E+22	2,087301E+22	1,920491E+22	1,920495E+22	2,087305E+22	2,314792E+22
616	2,487244E+22	2,558432E+22	2,564034E+22	2,564027E+22	2,558410E+22	2,487230E+22	2,314793E+22	2,087312E+22	1,920509E+22	1,920501E+22	2,087290E+22	2,314764E+22
617	2,487235E+22	2,558495E+22	2,564177E+22	2,564182E+22	2,558532E+22	2,487304E+22	2,314813E+22	2,087310E+22	1,920513E+22	1,920522E+22	2,087331E+22	2,314823E+22
618	2,487293E+22	2,558520E+22	2,564161E+22	2,564134E+22	2,558446E+22	2,487223E+22	2,314778E+22	2,087313E+22	1,920535E+22	1,920552E+22	2,087352E+22	2,314815E+22
619	2,487236E+22	2,558404E+22	2,564038E+22	2,564089E+22	2,558479E+22	2,487268E+22	2,314810E+22	2,087334E+22	1,920541E+22	1,920528E+22	2,087310E+22	2,314790E+22
620	2,487272E+22	2,558524E+22	2,564180E+22	2,564190E+22	2,558560E+22	2,487333E+22	2,314840E+22	2,087332E+22	1,920526E+22	1,920530E+22	2,087337E+22	2,314827E+22
621	2,487280E+22	2,558481E+22	2,564104E+22	2,564074E+22	2,558413E+22	2,487229E+22	2,314808E+22	2,087335E+22	1,920528E+22	1,920514E+22	2,087299E+22	2,314773E+22
622	2,487222E+22	2,558429E+22	2,564090E+22	2,564123E+22	2,558481E+22	2,487272E+22	2,314827E+22	2,087340E+22	1,920522E+22	1,920499E+22	2,087288E+22	2,314778E+22
623	2,487267E+22	2,558525E+22	2,564177E+22	2,564179E+22	2,558515E+22	2,487264E+22	2,314784E+22	2,087301E+22	1,920512E+22	1,920527E+22	2,087334E+22	2,314800E+22
624	2,487225E+22	2,558416E+22	2,564033E+22	2,564029E+22	2,558420E+22	2,487242E+22	2,314781E+22	2,087275E+22	1,920466E+22	1,920471E+22	2,087283E+22	2,314770E+22
625	2,487218E+22	2,558436E+22	2,564106E+22	2,564135E+22	2,558511E+22	2,487307E+22	2,314816E+22	2,087273E+22	1,920433E+22	1,920432E+22	2,087269E+22	2,314811E+22
626	2,487315E+22	2,558526E+22	2,564132E+22	2,564109E+22	2,558436E+22	2,487216E+22	2,314759E+22	2,087256E+22	1,920432E+22	1,920436E+22	2,087268E+22	2,314784E+22
627	2,487252E+22	2,558430E+22	2,564015E+22	2,564026E+22	2,558421E+22	2,487224E+22	2,314763E+22	2,087259E+22	1,920429E+22	1,920405E+22	2,087212E+22	2,314725E+22
628	2,487233E+22	2,558509E+22	2,564173E+22	2,564169E+22	2,558530E+22	2,487301E+22	2,314793E+22	2,087250E+22	1,920415E+22	1,920418E+22	2,087254E+22	2,314778E+22
629	2,487258E+22	2,558480E+22	2,564127E+22	2,564110E+22	2,558428E+22	2,487210E+22	2,314750E+22	2,087242E+22	1,920420E+22	1,920426E+22	2,087250E+22	2,314748E+22
630	2,487199E+22	2,558387E+22	2,564037E+22	2,564098E+22	2,558485E+22	2,487273E+22	2,314794E+22	2,087272E+22	1,920439E+22	1,920432E+22	2,087254E+22	2,314761E+22
631	2,487246E+22	2,558494E+22	2,564142E+22	2,564165E+22	2,558539E+22	2,487303E+22	2,314801E+22	2,087280E+22	1,920467E+22	1,920484E+22	2,087315E+22	2,314814E+22
632	2,487256E+22	2,558437E+22	2,564033E+22	2,564012E+22	2,558405E+22	2,487245E+22	2,314800E+22	2,087300E+22	1,920486E+22	1,920481E+22	2,087284E+22	2,314770E+22
633	2,487222E+22	2,558432E+22	2,564091E+22	2,564105E+22	2,558473E+22	2,487286E+22	2,314841E+22	2,087345E+22	1,920526E+22	1,920507E+22	2,087298E+22	2,314800E+22
634	2,487303E+22	2,558547E+22	2,564179E+22	2,564153E+22	2,558451E+22	2,487208E+22	2,314775E+22	2,087331E+22	1,920562E+22	1,920574E+22	2,087363E+22	2,314816E+22
635	2,487244E+22	2,558435E+22	2,564053E+22	2,564057E+22	2,558426E+22	2,487213E+22	2,314776E+22	2,087341E+22	1,920582E+22	1,920577E+22	2,087340E+22	2,314777E+22
636	2,487217E+22	2,558471E+22	2,564167E+22	2,564189E+22	2,558548E+22	2,487321E+22	2,314838E+22	2,087350E+22	1,920573E+22	1,920589E+22	2,087383E+22	2,314852E+22

1 Longitude ⊙ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
637	2,487295E+22	2,558502E+22	2,564152E+22	2,564146E+22	2,558458E+22	2,487233E+22	2,314802E+22	2,087351E+22	1,920580E+22	1,920590E+22	2,087370E+22	2,314819E+22
638	2,487243E+22	2,558424E+22	2,564048E+22	2,564081E+22	2,558467E+22	2,487272E+22	2,314844E+22	2,087390E+22	1,920600E+22	1,920577E+22	2,087337E+22	2,314788E+22
639	2,487250E+22	2,558518E+22	2,564191E+22	2,564187E+22	2,558531E+22	2,487304E+22	2,314847E+22	2,087388E+22	1,920612E+22	1,920608E+22	2,087378E+22	2,314829E+22
640	2,487264E+22	2,558473E+22	2,564109E+22	2,564080E+22	2,558414E+22	2,487227E+22	2,314814E+22	2,087371E+22	1,920597E+22	1,920586E+22	2,087340E+22	2,314768E+22
641	2,487191E+22	2,558405E+22	2,564085E+22	2,564128E+22	2,558492E+22	2,487279E+22	2,314839E+22	2,087375E+22	1,920585E+22	1,920570E+22	2,087337E+22	2,314795E+22
642	2,487264E+22	2,558516E+22	2,564168E+22	2,564169E+22	2,558500E+22	2,487249E+22	2,314784E+22	2,087321E+22	1,920551E+22	1,920576E+22	2,087381E+22	2,314841E+22
643	2,487250E+22	2,558423E+22	2,564032E+22	2,564025E+22	2,558412E+22	2,487226E+22	2,314784E+22	2,087315E+22	1,920525E+22	1,920517E+22	2,087306E+22	2,314778E+22
644	2,487220E+22	2,558442E+22	2,564111E+22	2,564128E+22	2,558500E+22	2,487301E+22	2,314832E+22	2,087319E+22	1,920498E+22	1,920490E+22	2,087300E+22	2,314816E+22
645	2,487309E+22	2,558527E+22	2,564154E+22	2,564133E+22	2,558438E+22	2,487201E+22	2,314760E+22	2,087285E+22	1,920485E+22	1,920487E+22	2,087289E+22	2,314774E+22
646	2,487236E+22	2,558438E+22	2,564044E+22	2,564054E+22	2,558435E+22	2,487224E+22	2,314774E+22	2,087297E+22	1,920487E+22	1,920472E+22	2,087265E+22	2,314737E+22
647	2,487198E+22	2,558472E+22	2,564165E+22	2,564180E+22	2,558537E+22	2,487296E+22	2,314796E+22	2,087289E+22	1,920488E+22	1,920498E+22	2,087316E+22	2,314811E+22
648	2,487255E+22	2,558454E+22	2,564098E+22	2,564090E+22	2,558438E+22	2,487239E+22	2,314783E+22	2,087283E+22	1,920479E+22	1,920487E+22	2,087293E+22	2,314768E+22
649	2,487200E+22	2,558380E+22	2,564021E+22	2,564071E+22	2,558469E+22	2,487279E+22	2,314833E+22	2,087337E+22	1,920515E+22	1,920496E+22	2,087287E+22	2,314774E+22
650	2,487262E+22	2,558514E+22	2,564147E+22	2,564139E+22	2,558491E+22	2,487262E+22	2,314800E+22	2,087327E+22	1,920541E+22	1,920551E+22	2,087353E+22	2,314831E+22
651	2,487270E+22	2,558464E+22	2,564066E+22	2,564026E+22	2,558383E+22	2,487201E+22	2,314786E+22	2,087349E+22	1,920578E+22	1,920562E+22	2,087321E+22	2,314762E+22
652	2,487196E+22	2,558427E+22	2,564113E+22	2,564132E+22	2,558479E+22	2,487269E+22	2,314835E+22	2,087383E+22	1,920605E+22	1,920597E+22	2,087360E+22	2,314816E+22
653	2,487281E+22	2,558521E+22	2,564190E+22	2,564193E+22	2,558483E+22	2,487215E+22	2,314775E+22	2,087352E+22	1,920612E+22	1,920634E+22	2,087406E+22	2,314833E+22
654	2,487242E+22	2,558434E+22	2,564062E+22	2,564071E+22	2,558446E+22	2,487239E+22	2,314812E+22	2,087384E+22	1,920630E+22	1,920631E+22	2,087388E+22	2,314802E+22
655	2,487209E+22	2,558450E+22	2,564154E+22	2,564181E+22	2,558540E+22	2,487321E+22	2,314869E+22	2,087416E+22	1,920653E+22	1,920655E+22	2,087420E+22	2,314869E+22
656	2,487305E+22	2,558507E+22	2,564147E+22	2,564128E+22	2,558455E+22	2,487251E+22	2,314837E+22	2,087411E+22	1,920658E+22	1,920654E+22	2,087394E+22	2,314806E+22
657	2,487224E+22	2,558426E+22	2,564064E+22	2,564076E+22	2,558449E+22	2,487264E+22	2,314867E+22	2,087453E+22	1,920689E+22	1,920659E+22	2,087375E+22	2,314781E+22
658	2,487229E+22	2,558508E+22	2,564199E+22	2,564192E+22	2,558512E+22	2,487266E+22	2,314829E+22	2,087415E+22	1,920680E+22	1,920688E+22	2,087439E+22	2,314858E+22
659	2,487263E+22	2,558460E+22	2,564109E+22	2,564091E+22	2,558420E+22	2,487207E+22	2,314795E+22	2,087395E+22	1,920661E+22	1,920657E+22	2,087393E+22	2,314794E+22
660	2,487187E+22	2,558382E+22	2,564064E+22	2,564115E+22	2,558489E+22	2,487281E+22	2,314850E+22	2,087403E+22	1,920632E+22	1,920627E+22	2,087388E+22	2,314833E+22
661	2,487282E+22	2,558512E+22	2,564167E+22	2,564171E+22	2,558494E+22	2,487241E+22	2,314790E+22	2,087345E+22	1,920584E+22	1,920602E+22	2,087394E+22	2,314851E+22
662	2,487273E+22	2,558460E+22	2,564064E+22	2,564027E+22	2,558397E+22	2,487216E+22	2,314796E+22	2,087349E+22	1,920566E+22	1,920554E+22	2,087325E+22	2,314771E+22
663	2,487202E+22	2,558440E+22	2,564133E+22	2,564142E+22	2,558488E+22	2,487278E+22	2,314832E+22	2,087361E+22	1,920569E+22	1,920555E+22	2,087329E+22	2,314811E+22
664	2,487290E+22	2,558517E+22	2,564163E+22	2,564152E+22	2,558466E+22	2,487222E+22	2,314771E+22	2,087316E+22	1,920544E+22	1,920548E+22	2,087320E+22	2,314762E+22
665	2,487198E+22	2,558409E+22	2,564040E+22	2,564057E+22	2,558452E+22	2,487248E+22	2,314804E+22	2,087344E+22	1,920556E+22	1,920542E+22	2,087307E+22	2,314748E+22
666	2,487189E+22	2,558445E+22	2,564142E+22	2,564160E+22	2,558523E+22	2,487292E+22	2,314814E+22	2,087333E+22	1,920552E+22	1,920563E+22	2,087365E+22	2,314845E+22
667	2,487275E+22	2,558456E+22	2,564089E+22	2,564074E+22	2,558419E+22	2,487219E+22	2,314795E+22	2,087347E+22	1,920568E+22	1,920558E+22	2,087328E+22	2,314777E+22
668	2,487201E+22	2,558382E+22	2,564022E+22	2,564053E+22	2,558441E+22	2,487260E+22	2,314846E+22	2,087396E+22	1,920604E+22	1,920582E+22	2,087338E+22	2,314790E+22
669	2,487259E+22	2,558516E+22	2,564177E+22	2,564161E+22	2,558476E+22	2,487229E+22	2,314791E+22	2,087361E+22	1,920609E+22	1,920622E+22	2,087395E+22	2,314837E+22
670	2,487265E+22	2,558476E+22	2,564104E+22	2,564060E+22	2,558394E+22	2,487189E+22	2,314781E+22	2,087376E+22	1,920638E+22	1,920641E+22	2,087387E+22	2,314783E+22
671	2,487175E+22	2,558401E+22	2,564115E+22	2,564150E+22	2,558496E+22	2,487272E+22	2,314838E+22	2,087415E+22	1,920675E+22	1,920677E+22	2,087422E+22	2,314851E+22
672	2,487291E+22	2,558511E+22	2,564174E+22	2,564183E+22	2,558506E+22	2,487256E+22	2,314810E+22	2,087393E+22	1,920668E+22	1,920689E+22	2,087438E+22	2,314841E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
673	2,487242E+22	2,558435E+22	2,564064E+22	2,564060E+22	2,558441E+22	2,487256E+22	2,314858E+22	2,087456E+22	1,920710E+22	1,920691E+22	2,087408E+22	2,314800E+22
674	2,487213E+22	2,558457E+22	2,564159E+22	2,564169E+22	2,558507E+22	2,487292E+22	2,314877E+22	2,087471E+22	1,920735E+22	1,920725E+22	2,087452E+22	2,314870E+22
675	2,487300E+22	2,558513E+22	2,564168E+22	2,564141E+22	2,558440E+22	2,487217E+22	2,314832E+22	2,087467E+22	1,920751E+22	1,920738E+22	2,087434E+22	2,314797E+22
676	2,487190E+22	2,558400E+22	2,564067E+22	2,564088E+22	2,558452E+22	2,487255E+22	2,314867E+22	2,087488E+22	1,920762E+22	1,920746E+22	2,087443E+22	2,314807E+22
677	2,487212E+22	2,558475E+22	2,564192E+22	2,564201E+22	2,558518E+22	2,487265E+22	2,314826E+22	2,087427E+22	1,920717E+22	1,920738E+22	2,087483E+22	2,314887E+22
678	2,487277E+22	2,558463E+22	2,564112E+22	2,564090E+22	2,558421E+22	2,487216E+22	2,314813E+22	2,087418E+22	1,920693E+22	1,920701E+22	2,087437E+22	2,314822E+22
679	2,487198E+22	2,558379E+22	2,564058E+22	2,564104E+22	2,558472E+22	2,487268E+22	2,314855E+22	2,087441E+22	1,920689E+22	1,920675E+22	2,087413E+22	2,314847E+22
680	2,487302E+22	2,558531E+22	2,564170E+22	2,564155E+22	2,558490E+22	2,487252E+22	2,314807E+22	2,087382E+22	1,920639E+22	1,920646E+22	2,087401E+22	2,314827E+22
681	2,487253E+22	2,558469E+22	2,564096E+22	2,564044E+22	2,558393E+22	2,487213E+22	2,314816E+22	2,087400E+22	1,920637E+22	1,920615E+22	2,087345E+22	2,314757E+22
682	2,487179E+22	2,558421E+22	2,564139E+22	2,564157E+22	2,558485E+22	2,487256E+22	2,314821E+22	2,087390E+22	1,920632E+22	1,920625E+22	2,087376E+22	2,314824E+22
683	2,487276E+22	2,558495E+22	2,564158E+22	2,564160E+22	2,558476E+22	2,487221E+22	2,314777E+22	2,087356E+22	1,920613E+22	1,920618E+22	2,087366E+22	2,314776E+22
684	2,487185E+22	2,558380E+22	2,564016E+22	2,564038E+22	2,558442E+22	2,487256E+22	2,314831E+22	2,087392E+22	1,920623E+22	1,920613E+22	2,087362E+22	2,314779E+22
685	2,487197E+22	2,558435E+22	2,564134E+22	2,564146E+22	2,558497E+22	2,487275E+22	2,314824E+22	2,087374E+22	1,920611E+22	1,920615E+22	2,087392E+22	2,314856E+22
686	2,487293E+22	2,558485E+22	2,564117E+22	2,564076E+22	2,558396E+22	2,487197E+22	2,314798E+22	2,087386E+22	1,920636E+22	1,920631E+22	2,087375E+22	2,314782E+22
687	2,487187E+22	2,558380E+22	2,564045E+22	2,564073E+22	2,558429E+22	2,487226E+22	2,314832E+22	2,087435E+22	1,920689E+22	1,920670E+22	2,087393E+22	2,314804E+22
688	2,487253E+22	2,558512E+22	2,564187E+22	2,564181E+22	2,558506E+22	2,487248E+22	2,314796E+22	2,087389E+22	1,920673E+22	1,920695E+22	2,087442E+22	2,314842E+22
689	2,487244E+22	2,558462E+22	2,564118E+22	2,564081E+22	2,558418E+22	2,487218E+22	2,314815E+22	2,087425E+22	1,920706E+22	1,920709E+22	2,087428E+22	2,314801E+22
690	2,487178E+22	2,558385E+22	2,564103E+22	2,564146E+22	2,558492E+22	2,487277E+22	2,314863E+22	2,087465E+22	1,920742E+22	1,920741E+22	2,087464E+22	2,314874E+22
691	2,487306E+22	2,558519E+22	2,564176E+22	2,564179E+22	2,558499E+22	2,487253E+22	2,314838E+22	2,087466E+22	1,920759E+22	1,920760E+22	2,087467E+22	2,314837E+22
692	2,487230E+22	2,558431E+22	2,564065E+22	2,564047E+22	2,558418E+22	2,487250E+22	2,314884E+22	2,087523E+22	1,920806E+22	1,920782E+22	2,087460E+22	2,314807E+22
693	2,487194E+22	2,558442E+22	2,564174E+22	2,564184E+22	2,558491E+22	2,487266E+22	2,314874E+22	2,087510E+22	1,920807E+22	1,920801E+22	2,087499E+22	2,314879E+22
694	2,487290E+22	2,558510E+22	2,564185E+22	2,564162E+22	2,558443E+22	2,487201E+22	2,314821E+22	2,087485E+22	1,920807E+22	1,920818E+22	2,087505E+22	2,314825E+22
695	2,487176E+22	2,558369E+22	2,564049E+22	2,564085E+22	2,558448E+22	2,487246E+22	2,314862E+22	2,087508E+22	1,920815E+22	1,920813E+22	2,087502E+22	2,314850E+22
696	2,487239E+22	2,558477E+22	2,564172E+22	2,564179E+22	2,558519E+22	2,487287E+22	2,314846E+22	2,087451E+22	1,920750E+22	1,920771E+22	2,087503E+22	2,314895E+22
697	2,487289E+22	2,558484E+22	2,564127E+22	2,564083E+22	2,558402E+22	2,487214E+22	2,314839E+22	2,087466E+22	1,920746E+22	1,920735E+22	2,087437E+22	2,314813E+22
698	2,487207E+22	2,558398E+22	2,564078E+22	2,564105E+22	2,558445E+22	2,487238E+22	2,314851E+22	2,087475E+22	1,920747E+22	1,920725E+22	2,087427E+22	2,314832E+22
699	2,487290E+22	2,558540E+22	2,564201E+22	2,564185E+22	2,558492E+22	2,487232E+22	2,314804E+22	2,087425E+22	1,920711E+22	1,920709E+22	2,087424E+22	2,314803E+22
700	2,487207E+22	2,558436E+22	2,564096E+22	2,564066E+22	2,558411E+22	2,487223E+22	2,314828E+22	2,087438E+22	1,920706E+22	1,920693E+22	2,087402E+22	2,314770E+22
701	2,487148E+22	2,558376E+22	2,564122E+22	2,564165E+22	2,558493E+22	2,487266E+22	2,314836E+22	2,087418E+22	1,920679E+22	1,920679E+22	2,087419E+22	2,314844E+22
702	2,487278E+22	2,558483E+22	2,564148E+22	2,564154E+22	2,558470E+22	2,487228E+22	2,314802E+22	2,087396E+22	1,920668E+22	1,920683E+22	2,087421E+22	2,314801E+22
703	2,487189E+22	2,558369E+22	2,563999E+22	2,564018E+22	2,558414E+22	2,487239E+22	2,314842E+22	2,087444E+22	1,920703E+22	1,920689E+22	2,087410E+22	2,314804E+22
704	2,487219E+22	2,558456E+22	2,564136E+22	2,564126E+22	2,558479E+22	2,487274E+22	2,314835E+22	2,087417E+22	1,920683E+22	1,920686E+22	2,087427E+22	2,314851E+22
705	2,487284E+22	2,558500E+22	2,564153E+22	2,564100E+22	2,558390E+22	2,487183E+22	2,314806E+22	2,087434E+22	1,920716E+22	1,920710E+22	2,087418E+22	2,314792E+22
706	2,487184E+22	2,558372E+22	2,564056E+22	2,564096E+22	2,558434E+22	2,487208E+22	2,314816E+22	2,087457E+22	1,920754E+22	1,920749E+22	2,087453E+22	2,314832E+22
707	2,487258E+22	2,558504E+22	2,564187E+22	2,564196E+22	2,558520E+22	2,487257E+22	2,314813E+22	2,087434E+22	1,920741E+22	1,920764E+22	2,087487E+22	2,314859E+22
708	2,487240E+22	2,558448E+22	2,564108E+22	2,564079E+22	2,558417E+22	2,487237E+22	2,314857E+22	2,087487E+22	1,920779E+22	1,920778E+22	2,087474E+22	2,314821E+22

1 Longitude ⊙ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
709	2,487180E+22	2,558383E+22	2,564106E+22	2,564139E+22	2,558469E+22	2,487266E+22	2,314884E+22	2,087520E+22	1,920812E+22	1,920797E+22	2,087485E+22	2,314867E+22
710	2,487302E+22	2,558537E+22	2,564204E+22	2,564189E+22	2,558481E+22	2,487237E+22	2,314850E+22	2,087512E+22	1,920838E+22	1,920844E+22	2,087515E+22	2,314831E+22
711	2,487201E+22	2,558414E+22	2,564074E+22	2,564063E+22	2,558407E+22	2,487223E+22	2,314876E+22	2,087564E+22	1,920891E+22	1,920874E+22	2,087520E+22	2,314823E+22
712	2,487184E+22	2,558426E+22	2,564157E+22	2,564181E+22	2,558505E+22	2,487279E+22	2,314877E+22	2,087534E+22	1,920865E+22	1,920870E+22	2,087548E+22	2,314891E+22
713	2,487277E+22	2,558497E+22	2,564184E+22	2,564167E+22	2,558449E+22	2,487216E+22	2,314847E+22	2,087525E+22	1,920862E+22	1,920871E+22	2,087542E+22	2,314854E+22
714	2,487196E+22	2,558366E+22	2,564036E+22	2,564075E+22	2,558431E+22	2,487230E+22	2,314865E+22	2,087539E+22	1,920863E+22	1,920859E+22	2,087533E+22	2,314872E+22
715	2,487262E+22	2,558500E+22	2,564184E+22	2,564177E+22	2,558501E+22	2,487271E+22	2,314860E+22	2,087503E+22	1,920815E+22	1,920819E+22	2,087518E+22	2,314881E+22
716	2,487275E+22	2,558489E+22	2,564148E+22	2,564094E+22	2,558390E+22	2,487207E+22	2,314855E+22	2,087512E+22	1,920815E+22	1,920801E+22	2,087471E+22	2,314803E+22
717	2,487175E+22	2,558384E+22	2,564100E+22	2,564134E+22	2,558443E+22	2,487220E+22	2,314847E+22	2,087501E+22	1,920801E+22	1,920783E+22	2,087460E+22	2,314824E+22
718	2,487261E+22	2,558524E+22	2,564210E+22	2,564213E+22	2,558514E+22	2,487239E+22	2,314805E+22	2,087440E+22	1,920761E+22	1,920784E+22	2,087485E+22	2,314820E+22
719	2,487184E+22	2,558393E+22	2,564063E+22	2,564058E+22	2,558412E+22	2,487231E+22	2,314843E+22	2,087471E+22	1,920765E+22	1,920763E+22	2,087461E+22	2,314811E+22
720	2,487169E+22	2,558369E+22	2,564081E+22	2,564128E+22	2,558485E+22	2,487286E+22	2,314867E+22	2,087461E+22	1,920732E+22	1,920727E+22	2,087450E+22	2,314858E+22
721	2,487288E+22	2,558500E+22	2,564155E+22	2,564140E+22	2,558441E+22	2,487216E+22	2,314828E+22	2,087455E+22	1,920741E+22	1,920738E+22	2,087444E+22	2,314811E+22
722	2,487204E+22	2,558385E+22	2,564016E+22	2,564019E+22	2,558381E+22	2,487197E+22	2,314829E+22	2,087478E+22	1,920774E+22	1,920761E+22	2,087450E+22	2,314810E+22
723	2,487220E+22	2,558476E+22	2,564171E+22	2,564157E+22	2,558474E+22	2,487246E+22	2,314829E+22	2,087458E+22	1,920757E+22	1,920762E+22	2,087471E+22	2,314848E+22
724	2,487255E+22	2,558483E+22	2,564163E+22	2,564127E+22	2,558410E+22	2,487195E+22	2,314819E+22	2,087470E+22	1,920783E+22	1,920790E+22	2,087479E+22	2,314812E+22
725	2,487166E+22	2,558351E+22	2,564058E+22	2,564113E+22	2,558446E+22	2,487223E+22	2,314840E+22	2,087494E+22	1,920807E+22	1,920804E+22	2,087490E+22	2,314847E+22
726	2,487261E+22	2,558507E+22	2,564193E+22	2,564205E+22	2,558525E+22	2,487269E+22	2,314843E+22	2,087482E+22	1,920809E+22	1,920833E+22	2,087531E+22	2,314866E+22
727	2,487231E+22	2,558436E+22	2,564095E+22	2,564068E+22	2,558399E+22	2,487230E+22	2,314883E+22	2,087554E+22	1,920874E+22	1,920862E+22	2,087520E+22	2,314833E+22
728	2,487183E+22	2,558390E+22	2,564098E+22	2,564125E+22	2,558459E+22	2,487267E+22	2,314906E+22	2,087577E+22	1,920897E+22	1,920878E+22	2,087527E+22	2,314859E+22
729	2,487273E+22	2,558531E+22	2,564225E+22	2,564209E+22	2,558473E+22	2,487220E+22	2,314859E+22	2,087565E+22	1,920924E+22	1,920928E+22	2,087569E+22	2,314851E+22
730	2,487194E+22	2,558393E+22	2,564066E+22	2,564070E+22	2,558402E+22	2,487200E+22	2,314859E+22	2,087582E+22	1,920953E+22	1,920954E+22	2,087588E+22	2,314863E+22
731	2,487199E+22	2,558427E+22	2,564153E+22	2,564177E+22	2,558496E+22	2,487271E+22	2,314888E+22	2,087569E+22	1,920917E+22	1,920926E+22	2,087591E+22	2,314913E+22
732	2,487284E+22	2,558497E+22	2,564177E+22	2,564158E+22	2,558438E+22	2,487217E+22	2,314870E+22	2,087567E+22	1,920916E+22	1,920921E+22	2,087575E+22	2,314868E+22
733	2,487201E+22	2,558382E+22	2,564056E+22	2,564079E+22	2,558412E+22	2,487210E+22	2,314869E+22	2,087571E+22	1,920910E+22	1,920893E+22	2,087539E+22	2,314858E+22
734	2,487255E+22	2,558521E+22	2,564221E+22	2,564205E+22	2,558500E+22	2,487257E+22	2,314861E+22	2,087529E+22	1,920871E+22	1,920883E+22	2,087548E+22	2,314864E+22
735	2,487235E+22	2,558463E+22	2,564153E+22	2,564122E+22	2,558402E+22	2,487201E+22	2,314859E+22	2,087547E+22	1,920881E+22	1,920873E+22	2,087519E+22	2,314812E+22
736	2,487155E+22	2,558359E+22	2,564070E+22	2,564130E+22	2,558470E+22	2,487251E+22	2,314868E+22	2,087531E+22	1,920851E+22	1,920840E+22	2,087502E+22	2,314831E+22
737	2,487235E+22	2,558498E+22	2,564195E+22	2,564209E+22	2,558518E+22	2,487259E+22	2,314845E+22	2,087493E+22	1,920820E+22	1,920834E+22	2,087522E+22	2,314851E+22
738	2,487202E+22	2,558385E+22	2,564036E+22	2,564032E+22	2,558386E+22	2,487212E+22	2,314852E+22	2,087513E+22	1,920828E+22	1,920823E+22	2,087504E+22	2,314839E+22
739	2,487197E+22	2,558395E+22	2,564085E+22	2,564106E+22	2,558445E+22	2,487256E+22	2,314881E+22	2,087520E+22	1,920809E+22	1,920793E+22	2,087482E+22	2,314858E+22
740	2,487283E+22	2,558514E+22	2,564177E+22	2,564148E+22	2,558419E+22	2,487193E+22	2,314835E+22	2,087503E+22	1,920820E+22	1,920819E+22	2,087495E+22	2,314820E+22
741	2,487185E+22	2,558390E+22	2,564050E+22	2,564051E+22	2,558377E+22	2,487164E+22	2,314809E+22	2,087497E+22	1,920828E+22	1,920825E+22	2,087494E+22	2,314818E+22
742	2,487205E+22	2,558472E+22	2,564191E+22	2,564193E+22	2,558500E+22	2,487251E+22	2,314826E+22	2,087470E+22	1,920809E+22	1,920838E+22	2,087531E+22	2,314868E+22
743	2,487240E+22	2,558456E+22	2,564147E+22	2,564135E+22	2,558423E+22	2,487210E+22	2,314844E+22	2,087510E+22	1,920845E+22	1,920857E+22	2,087529E+22	2,314841E+22
744	2,487180E+22	2,558353E+22	2,564031E+22	2,564089E+22	2,558447E+22	2,487245E+22	2,314879E+22	2,087553E+22	1,920875E+22	1,920859E+22	2,087514E+22	2,314841E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
745	2,487247E+22	2,558514E+22	2,564207E+22	2,564205E+22	2,558510E+22	2,487266E+22	2,314880E+22	2,087559E+22	1,920902E+22	1,920901E+22	2,087555E+22	2,314866E+22
746	2,487226E+22	2,558434E+22	2,564103E+22	2,564072E+22	2,558377E+22	2,487192E+22	2,314876E+22	2,087604E+22	1,920966E+22	1,920955E+22	2,087574E+22	2,314841E+22
747	2,487172E+22	2,558389E+22	2,564111E+22	2,564139E+22	2,558449E+22	2,487242E+22	2,314908E+22	2,087627E+22	1,920980E+22	1,920967E+22	2,087587E+22	2,314871E+22
748	2,487245E+22	2,558504E+22	2,564219E+22	2,564218E+22	2,558482E+22	2,487226E+22	2,314872E+22	2,087602E+22	1,920990E+22	1,921009E+22	2,087638E+22	2,314886E+22
749	2,487187E+22	2,558381E+22	2,564067E+22	2,564071E+22	2,558396E+22	2,487196E+22	2,314868E+22	2,087608E+22	1,920994E+22	1,921000E+22	2,087625E+22	2,314889E+22
750	2,487216E+22	2,558443E+22	2,564166E+22	2,564184E+22	2,558494E+22	2,487269E+22	2,314898E+22	2,087598E+22	1,920969E+22	1,920983E+22	2,087624E+22	2,314921E+22
751	2,487284E+22	2,558501E+22	2,564179E+22	2,564157E+22	2,558429E+22	2,487211E+22	2,314885E+22	2,087614E+22	1,920985E+22	1,920982E+22	2,087604E+22	2,314871E+22
752	2,487202E+22	2,558395E+22	2,564061E+22	2,564081E+22	2,558417E+22	2,487214E+22	2,314886E+22	2,087615E+22	1,920973E+22	1,920949E+22	2,087562E+22	2,314839E+22
753	2,487216E+22	2,558506E+22	2,564241E+22	2,564235E+22	2,558514E+22	2,487257E+22	2,314876E+22	2,087576E+22	1,920939E+22	1,920941E+22	2,087583E+22	2,314877E+22
754	2,487219E+22	2,558429E+22	2,564129E+22	2,564121E+22	2,558408E+22	2,487195E+22	2,314858E+22	2,087573E+22	1,920938E+22	1,920941E+22	2,087576E+22	2,314847E+22
755	2,487166E+22	2,558353E+22	2,564052E+22	2,564105E+22	2,558450E+22	2,487249E+22	2,314897E+22	2,087579E+22	1,920905E+22	1,920894E+22	2,087542E+22	2,314853E+22
756	2,487239E+22	2,558492E+22	2,564179E+22	2,564182E+22	2,558488E+22	2,487248E+22	2,314868E+22	2,087545E+22	1,920885E+22	1,920892E+22	2,087559E+22	2,314866E+22
757	2,487205E+22	2,558405E+22	2,564060E+22	2,564025E+22	2,558352E+22	2,487174E+22	2,314843E+22	2,087544E+22	1,920883E+22	1,920873E+22	2,087524E+22	2,314837E+22
758	2,487196E+22	2,558422E+22	2,564132E+22	2,564138E+22	2,558438E+22	2,487220E+22	2,314857E+22	2,087534E+22	1,920870E+22	1,920869E+22	2,087524E+22	2,314852E+22
759	2,487252E+22	2,558495E+22	2,564187E+22	2,564176E+22	2,558435E+22	2,487184E+22	2,314828E+22	2,087529E+22	1,920883E+22	1,920893E+22	2,087548E+22	2,314838E+22
760	2,487176E+22	2,558374E+22	2,564036E+22	2,564062E+22	2,558415E+22	2,487197E+22	2,314833E+22	2,087529E+22	1,920879E+22	1,920879E+22	2,087531E+22	2,314826E+22
761	2,487185E+22	2,558453E+22	2,564190E+22	2,564205E+22	2,558516E+22	2,487275E+22	2,314873E+22	2,087534E+22	1,920876E+22	1,920887E+22	2,087560E+22	2,314889E+22
762	2,487248E+22	2,558444E+22	2,564128E+22	2,564121E+22	2,558414E+22	2,487205E+22	2,314868E+22	2,087573E+22	1,920929E+22	1,920931E+22	2,087571E+22	2,314856E+22
763	2,487190E+22	2,558371E+22	2,564038E+22	2,564069E+22	2,558414E+22	2,487230E+22	2,314912E+22	2,087629E+22	1,920970E+22	1,920944E+22	2,087556E+22	2,314837E+22
764	2,487221E+22	2,558502E+22	2,564217E+22	2,564209E+22	2,558492E+22	2,487247E+22	2,314895E+22	2,087621E+22	1,921000E+22	1,921002E+22	2,087621E+22	2,314878E+22
765	2,487201E+22	2,558423E+22	2,564120E+22	2,564089E+22	2,558371E+22	2,487162E+22	2,314858E+22	2,087630E+22	1,921035E+22	1,921036E+22	2,087637E+22	2,314870E+22
766	2,487171E+22	2,558383E+22	2,564118E+22	2,564155E+22	2,558459E+22	2,487235E+22	2,314896E+22	2,087637E+22	1,921037E+22	1,921049E+22	2,087655E+22	2,314907E+22
767	2,487250E+22	2,558487E+22	2,564201E+22	2,564208E+22	2,558480E+22	2,487230E+22	2,314892E+22	2,087639E+22	1,921045E+22	1,921067E+22	2,087686E+22	2,314925E+22
768	2,487220E+22	2,558401E+22	2,564059E+22	2,564056E+22	2,558394E+22	2,487204E+22	2,314892E+22	2,087652E+22	1,921044E+22	1,921035E+22	2,087635E+22	2,314881E+22
769	2,487211E+22	2,558463E+22	2,564200E+22	2,564201E+22	2,558488E+22	2,487263E+22	2,314923E+22	2,087656E+22	1,921038E+22	1,921025E+22	2,087631E+22	2,314912E+22
770	2,487275E+22	2,558500E+22	2,564196E+22	2,564176E+22	2,558429E+22	2,487188E+22	2,314879E+22	2,087650E+22	1,921055E+22	1,921053E+22	2,087640E+22	2,314866E+22
771	2,487181E+22	2,558388E+22	2,564071E+22	2,564090E+22	2,558418E+22	2,487211E+22	2,314902E+22	2,087660E+22	1,921040E+22	1,921019E+22	2,087605E+22	2,314839E+22
772	2,487177E+22	2,558462E+22	2,564223E+22	2,564236E+22	2,558527E+22	2,487275E+22	2,314903E+22	2,087620E+22	1,921003E+22	1,921010E+22	2,087636E+22	2,314899E+22
773	2,487207E+22	2,558411E+22	2,564120E+22	2,564106E+22	2,558392E+22	2,487182E+22	2,314865E+22	2,087605E+22	1,920985E+22	1,920987E+22	2,087609E+22	2,314870E+22
774	2,487180E+22	2,558361E+22	2,564054E+22	2,564093E+22	2,558430E+22	2,487228E+22	2,314894E+22	2,087608E+22	1,920966E+22	1,920959E+22	2,087579E+22	2,314865E+22
775	2,487241E+22	2,558494E+22	2,564181E+22	2,564169E+22	2,558465E+22	2,487227E+22	2,314872E+22	2,087585E+22	1,920953E+22	1,920959E+22	2,087599E+22	2,314880E+22
776	2,487211E+22	2,558417E+22	2,564073E+22	2,564034E+22	2,558352E+22	2,487159E+22	2,314839E+22	2,087572E+22	1,920939E+22	1,920930E+22	2,087555E+22	2,314830E+22
777	2,487168E+22	2,558414E+22	2,564161E+22	2,564178E+22	2,558464E+22	2,487221E+22	2,314859E+22	2,087567E+22	1,920928E+22	1,920924E+22	2,087563E+22	2,314875E+22
778	2,487248E+22	2,558470E+22	2,564173E+22	2,564184E+22	2,558457E+22	2,487191E+22	2,314831E+22	2,087554E+22	1,920938E+22	1,920959E+22	2,087599E+22	2,314869E+22
779	2,487189E+22	2,558375E+22	2,564029E+22	2,564045E+22	2,558403E+22	2,487209E+22	2,314878E+22	2,087593E+22	1,920945E+22	1,920936E+22	2,087564E+22	2,314836E+22
780	2,487177E+22	2,558440E+22	2,564182E+22	2,564191E+22	2,558502E+22	2,487279E+22	2,314913E+22	2,087610E+22	1,920965E+22	1,920959E+22	2,087594E+22	2,314889E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
781	2,487235E+22	2,558453E+22	2,564150E+22	2,564116E+22	2,558385E+22	2,487175E+22	2,314871E+22	2,087626E+22	1,921013E+22	1,921007E+22	2,087607E+22	2,314854E+22
782	2,487177E+22	2,558379E+22	2,564071E+22	2,564091E+22	2,558406E+22	2,487201E+22	2,314897E+22	2,087661E+22	1,921057E+22	1,921046E+22	2,087619E+22	2,314846E+22
783	2,487195E+22	2,558474E+22	2,564211E+22	2,564217E+22	2,558500E+22	2,487242E+22	2,314896E+22	2,087658E+22	1,921077E+22	1,921093E+22	2,087693E+22	2,314916E+22
784	2,487206E+22	2,558410E+22	2,564105E+22	2,564090E+22	2,558391E+22	2,487179E+22	2,314875E+22	2,087662E+22	1,921089E+22	1,921096E+22	2,087682E+22	2,314894E+22
785	2,487175E+22	2,558383E+22	2,564128E+22	2,564167E+22	2,558466E+22	2,487243E+22	2,314924E+22	2,087690E+22	1,921098E+22	1,921093E+22	2,087684E+22	2,314937E+22
786	2,487274E+22	2,558493E+22	2,564195E+22	2,564198E+22	2,558471E+22	2,487220E+22	2,314903E+22	2,087688E+22	1,921117E+22	1,921129E+22	2,087717E+22	2,314934E+22
787	2,487234E+22	2,558431E+22	2,564090E+22	2,564053E+22	2,558369E+22	2,487194E+22	2,314924E+22	2,087715E+22	1,921121E+22	1,921101E+22	2,087661E+22	2,314865E+22
788	2,487178E+22	2,558448E+22	2,564219E+22	2,564221E+22	2,558485E+22	2,487252E+22	2,314937E+22	2,087710E+22	1,921119E+22	1,921104E+22	2,087673E+22	2,314902E+22
789	2,487235E+22	2,558478E+22	2,564207E+22	2,564192E+22	2,558436E+22	2,487177E+22	2,314868E+22	2,087671E+22	1,921111E+22	1,921118E+22	2,087687E+22	2,314882E+22
790	2,487168E+22	2,558369E+22	2,564067E+22	2,564094E+22	2,558426E+22	2,487213E+22	2,314895E+22	2,087670E+22	1,921090E+22	1,921090E+22	2,087659E+22	2,314865E+22
791	2,487174E+22	2,558430E+22	2,564184E+22	2,564202E+22	2,558509E+22	2,487275E+22	2,314922E+22	2,087659E+22	1,921055E+22	1,921063E+22	2,087678E+22	2,314931E+22
792	2,487234E+22	2,558419E+22	2,564104E+22	2,564082E+22	2,558375E+22	2,487174E+22	2,314876E+22	2,087643E+22	1,921036E+22	1,921026E+22	2,087622E+22	2,314868E+22
793	2,487181E+22	2,558380E+22	2,564088E+22	2,564109E+22	2,558415E+22	2,487202E+22	2,314893E+22	2,087648E+22	1,921026E+22	1,921003E+22	2,087598E+22	2,314870E+22
794	2,487239E+22	2,558491E+22	2,564198E+22	2,564187E+22	2,558462E+22	2,487199E+22	2,314854E+22	2,087609E+22	1,921014E+22	1,921029E+22	2,087642E+22	2,314887E+22
795	2,487204E+22	2,558420E+22	2,564095E+22	2,564051E+22	2,558359E+22	2,487167E+22	2,314857E+22	2,087606E+22	1,920993E+22	1,920991E+22	2,087596E+22	2,314834E+22
796	2,487139E+22	2,558380E+22	2,564153E+22	2,564187E+22	2,558483E+22	2,487249E+22	2,314895E+22	2,087615E+22	1,920991E+22	1,920986E+22	2,087603E+22	2,314884E+22
797	2,487238E+22	2,558462E+22	2,564171E+22	2,564177E+22	2,558453E+22	2,487196E+22	2,314853E+22	2,087602E+22	1,921000E+22	1,921012E+22	2,087629E+22	2,314880E+22
798	2,487197E+22	2,558384E+22	2,564038E+22	2,564038E+22	2,558389E+22	2,487201E+22	2,314888E+22	2,087644E+22	1,921035E+22	1,921023E+22	2,087606E+22	2,314839E+22
799	2,487165E+22	2,558426E+22	2,564176E+22	2,564176E+22	2,558478E+22	2,487265E+22	2,314933E+22	2,087675E+22	1,921063E+22	1,921054E+22	2,087651E+22	2,314904E+22
800	2,487230E+22	2,558448E+22	2,564156E+22	2,564127E+22	2,558383E+22	2,487156E+22	2,314871E+22	2,087672E+22	1,921095E+22	1,921093E+22	2,087662E+22	2,314864E+22
801	2,487157E+22	2,558364E+22	2,564089E+22	2,564120E+22	2,558420E+22	2,487194E+22	2,314896E+22	2,087698E+22	1,921128E+22	1,921120E+22	2,087682E+22	2,314892E+22
802	2,487208E+22	2,558457E+22	2,564196E+22	2,564212E+22	2,558500E+22	2,487239E+22	2,314898E+22	2,087685E+22	1,921138E+22	1,921167E+22	2,087754E+22	2,314959E+22
803	2,487239E+22	2,558432E+22	2,564112E+22	2,564072E+22	2,558366E+22	2,487181E+22	2,314911E+22	2,087715E+22	1,921148E+22	1,921149E+22	2,087711E+22	2,314901E+22
804	2,487178E+22	2,558391E+22	2,564143E+22	2,564170E+22	2,558458E+22	2,487242E+22	2,314950E+22	2,087751E+22	1,921176E+22	1,921155E+22	2,087704E+22	2,314921E+22
805	2,487261E+22	2,558513E+22	2,564233E+22	2,564213E+22	2,558458E+22	2,487196E+22	2,314896E+22	2,087724E+22	1,921184E+22	1,921190E+22	2,087738E+22	2,314917E+22
806	2,487208E+22	2,558427E+22	2,564120E+22	2,564088E+22	2,558380E+22	2,487180E+22	2,314908E+22	2,087740E+22	1,921196E+22	1,921187E+22	2,087708E+22	2,314860E+22
807	2,487136E+22	2,558397E+22	2,564196E+22	2,564227E+22	2,558503E+22	2,487268E+22	2,314952E+22	2,087746E+22	1,921183E+22	1,921179E+22	2,087732E+22	2,314927E+22
808	2,487226E+22	2,558442E+22	2,564174E+22	2,564183E+22	2,558446E+22	2,487194E+22	2,314891E+22	2,087705E+22	1,921158E+22	1,921167E+22	2,087724E+22	2,314899E+22
809	2,487168E+22	2,558357E+22	2,564060E+22	2,564088E+22	2,558416E+22	2,487214E+22	2,314919E+22	2,087718E+22	1,921142E+22	1,921129E+22	2,087689E+22	2,314897E+22
810	2,487201E+22	2,558436E+22	2,564168E+22	2,564172E+22	2,558478E+22	2,487254E+22	2,314923E+22	2,087696E+22	1,921119E+22	1,921125E+22	2,087712E+22	2,314945E+22
811	2,487256E+22	2,558453E+22	2,564132E+22	2,564072E+22	2,558336E+22	2,487152E+22	2,314891E+22	2,087686E+22	1,921099E+22	1,921087E+22	2,087651E+22	2,314860E+22
812	2,487161E+22	2,558373E+22	2,564112E+22	2,564139E+22	2,558419E+22	2,487188E+22	2,314891E+22	2,087683E+22	1,921093E+22	1,921073E+22	2,087638E+22	2,314866E+22
813	2,487215E+22	2,558484E+22	2,564212E+22	2,564209E+22	2,558476E+22	2,487194E+22	2,314840E+22	2,087620E+22	1,921060E+22	1,921085E+22	2,087683E+22	2,314903E+22
814	2,487200E+22	2,558410E+22	2,564101E+22	2,564064E+22	2,558372E+22	2,487180E+22	2,314863E+22	2,087630E+22	1,921049E+22	1,921058E+22	2,087639E+22	2,314850E+22
815	2,487136E+22	2,558355E+22	2,564125E+22	2,564165E+22	2,558472E+22	2,487263E+22	2,314934E+22	2,087675E+22	1,921062E+22	1,921048E+22	2,087640E+22	2,314897E+22
816	2,487245E+22	2,558463E+22	2,564165E+22	2,564167E+22	2,558441E+22	2,487192E+22	2,314878E+22	2,087661E+22	1,921079E+22	1,921075E+22	2,087651E+22	2,314869E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
817	2,487183E+22	2,558391E+22	2,564071E+22	2,564061E+22	2,558377E+22	2,487181E+22	2,314896E+22	2,087700E+22	1,921120E+22	1,921099E+22	2,087651E+22	2,314852E+22
818	2,487157E+22	2,558411E+22	2,564172E+22	2,564181E+22	2,558470E+22	2,487241E+22	2,314922E+22	2,087713E+22	1,921149E+22	1,921153E+22	2,087722E+22	2,314930E+22
819	2,487231E+22	2,558447E+22	2,564165E+22	2,564132E+22	2,558379E+22	2,487162E+22	2,314892E+22	2,087712E+22	1,921165E+22	1,921174E+22	2,087725E+22	2,314890E+22
820	2,487149E+22	2,558344E+22	2,564086E+22	2,564129E+22	2,558426E+22	2,487203E+22	2,314919E+22	2,087745E+22	1,921196E+22	1,921189E+22	2,087730E+22	2,314910E+22
821	2,487216E+22	2,558467E+22	2,564202E+22	2,564208E+22	2,558488E+22	2,487231E+22	2,314907E+22	2,087725E+22	1,921198E+22	1,921222E+22	2,087785E+22	2,314971E+22
822	2,487252E+22	2,558456E+22	2,564142E+22	2,564086E+22	2,558360E+22	2,487172E+22	2,314912E+22	2,087755E+22	1,921227E+22	1,921225E+22	2,087742E+22	2,314893E+22
823	2,487160E+22	2,558382E+22	2,564147E+22	2,564172E+22	2,558447E+22	2,487237E+22	2,314970E+22	2,087806E+22	1,921258E+22	1,921234E+22	2,087746E+22	2,314917E+22
824	2,487237E+22	2,558494E+22	2,564236E+22	2,564238E+22	2,558474E+22	2,487194E+22	2,314902E+22	2,087763E+22	1,921252E+22	1,921259E+22	2,087779E+22	2,314917E+22
825	2,487178E+22	2,558399E+22	2,564121E+22	2,564113E+22	2,558399E+22	2,487189E+22	2,314918E+22	2,087772E+22	1,921251E+22	1,921246E+22	2,087762E+22	2,314900E+22
826	2,487141E+22	2,558365E+22	2,564152E+22	2,564198E+22	2,558490E+22	2,487269E+22	2,314967E+22	2,087779E+22	1,921237E+22	1,921241E+22	2,087785E+22	2,314965E+22
827	2,487255E+22	2,558457E+22	2,564165E+22	2,564147E+22	2,558403E+22	2,487188E+22	2,314926E+22	2,087755E+22	1,921211E+22	1,921213E+22	2,087750E+22	2,314908E+22
828	2,487173E+22	2,558368E+22	2,564070E+22	2,564082E+22	2,558388E+22	2,487193E+22	2,314928E+22	2,087764E+22	1,921210E+22	1,921185E+22	2,087708E+22	2,314883E+22
829	2,487196E+22	2,558465E+22	2,564204E+22	2,564184E+22	2,558453E+22	2,487215E+22	2,314900E+22	2,087714E+22	1,921172E+22	1,921181E+22	2,087738E+22	2,314937E+22
830	2,487242E+22	2,558462E+22	2,564169E+22	2,564115E+22	2,558350E+22	2,487136E+22	2,314865E+22	2,087696E+22	1,921157E+22	1,921157E+22	2,087693E+22	2,314857E+22
831	2,487130E+22	2,558340E+22	2,564099E+22	2,564153E+22	2,558442E+22	2,487212E+22	2,314911E+22	2,087714E+22	1,921146E+22	1,921134E+22	2,087685E+22	2,314883E+22
832	2,487206E+22	2,558457E+22	2,564195E+22	2,564218E+22	2,558495E+22	2,487218E+22	2,314872E+22	2,087662E+22	1,921109E+22	1,921129E+22	2,087709E+22	2,314909E+22
833	2,487194E+22	2,558401E+22	2,564099E+22	2,564073E+22	2,558375E+22	2,487191E+22	2,314898E+22	2,087691E+22	1,921117E+22	1,921110E+22	2,087675E+22	2,314873E+22
834	2,487146E+22	2,558350E+22	2,564104E+22	2,564140E+22	2,558445E+22	2,487252E+22	2,314954E+22	2,087736E+22	1,921152E+22	1,921135E+22	2,087691E+22	2,314908E+22
835	2,487248E+22	2,558480E+22	2,564183E+22	2,564156E+22	2,558399E+22	2,487173E+22	2,314902E+22	2,087720E+22	1,921167E+22	1,921165E+22	2,087705E+22	2,314872E+22
836	2,487156E+22	2,558373E+22	2,564082E+22	2,564085E+22	2,558378E+22	2,487164E+22	2,314894E+22	2,087744E+22	1,921207E+22	1,921195E+22	2,087716E+22	2,314867E+22
837	2,487148E+22	2,558410E+22	2,564177E+22	2,564189E+22	2,558468E+22	2,487226E+22	2,314903E+22	2,087724E+22	1,921204E+22	1,921227E+22	2,087783E+22	2,314965E+22
838	2,487246E+22	2,558452E+22	2,564169E+22	2,564139E+22	2,558379E+22	2,487159E+22	2,314889E+22	2,087736E+22	1,921224E+22	1,921242E+22	2,087772E+22	2,314915E+22
839	2,487161E+22	2,558342E+22	2,564074E+22	2,564117E+22	2,558416E+22	2,487211E+22	2,314951E+22	2,087799E+22	1,921262E+22	1,921247E+22	2,087763E+22	2,314922E+22
840	2,487224E+22	2,558478E+22	2,564217E+22	2,564220E+22	2,558481E+22	2,487224E+22	2,314926E+22	2,087777E+22	1,921268E+22	1,921275E+22	2,087798E+22	2,314950E+22
841	2,487230E+22	2,558461E+22	2,564179E+22	2,564128E+22	2,558367E+22	2,487166E+22	2,314927E+22	2,087806E+22	1,921300E+22	1,921290E+22	2,087781E+22	2,314895E+22
842	2,487135E+22	2,558356E+22	2,564135E+22	2,564181E+22	2,558454E+22	2,487234E+22	2,314976E+22	2,087846E+22	1,921336E+22	1,921321E+22	2,087806E+22	2,314930E+22
843	2,487220E+22	2,558478E+22	2,564227E+22	2,564228E+22	2,558468E+22	2,487213E+22	2,314939E+22	2,087807E+22	1,921315E+22	1,921328E+22	2,087829E+22	2,314933E+22
844	2,487163E+22	2,558370E+22	2,564101E+22	2,564108E+22	2,558396E+22	2,487196E+22	2,314947E+22	2,087825E+22	1,921318E+22	1,921309E+22	2,087802E+22	2,314914E+22
845	2,487153E+22	2,558378E+22	2,564142E+22	2,564172E+22	2,558456E+22	2,487243E+22	2,314967E+22	2,087813E+22	1,921294E+22	1,921294E+22	2,087817E+22	2,314981E+22
846	2,487272E+22	2,558486E+22	2,564188E+22	2,564149E+22	2,558378E+22	2,487158E+22	2,314912E+22	2,087785E+22	1,921280E+22	1,921280E+22	2,087784E+22	2,314908E+22
847	2,487163E+22	2,558370E+22	2,564084E+22	2,564091E+22	2,558375E+22	2,487173E+22	2,314930E+22	2,087798E+22	1,921270E+22	1,921250E+22	2,087751E+22	2,314887E+22
848	2,487178E+22	2,558451E+22	2,564218E+22	2,564223E+22	2,558473E+22	2,487207E+22	2,314892E+22	2,087731E+22	1,921218E+22	1,921233E+22	2,087773E+22	2,314940E+22
849	2,487219E+22	2,558445E+22	2,564180E+22	2,564154E+22	2,558384E+22	2,487157E+22	2,314878E+22	2,087717E+22	1,921193E+22	1,921202E+22	2,087738E+22	2,314890E+22
850	2,487134E+22	2,558316E+22	2,564061E+22	2,564129E+22	2,558438E+22	2,487226E+22	2,314940E+22	2,087757E+22	1,921202E+22	1,921191E+22	2,087727E+22	2,314904E+22
851	2,487219E+22	2,558469E+22	2,564188E+22	2,564190E+22	2,558465E+22	2,487227E+22	2,314921E+22	2,087727E+22	1,921179E+22	1,921183E+22	2,087733E+22	2,314906E+22
852	2,487184E+22	2,558402E+22	2,564107E+22	2,564076E+22	2,558355E+22	2,487172E+22	2,314915E+22	2,087754E+22	1,921207E+22	1,921187E+22	2,087706E+22	2,314859E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
853	2,487131E+22	2,558362E+22	2,564118E+22	2,564140E+22	2,558416E+22	2,487211E+22	2,314937E+22	2,087769E+22	1,921228E+22	1,921219E+22	2,087745E+22	2,314918E+22
854	2,487233E+22	2,558478E+22	2,564202E+22	2,564183E+22	2,558405E+22	2,487153E+22	2,314880E+22	2,087742E+22	1,921242E+22	1,921255E+22	2,087771E+22	2,314893E+22
855	2,487139E+22	2,558347E+22	2,564066E+22	2,564086E+22	2,558385E+22	2,487175E+22	2,314912E+22	2,087777E+22	1,921267E+22	1,921267E+22	2,087777E+22	2,314901E+22
856	2,487156E+22	2,558399E+22	2,564171E+22	2,564199E+22	2,558473E+22	2,487231E+22	2,314926E+22	2,087765E+22	1,921258E+22	1,921276E+22	2,087814E+22	2,314980E+22
857	2,487256E+22	2,558465E+22	2,564186E+22	2,564159E+22	2,558387E+22	2,487165E+22	2,314915E+22	2,087789E+22	1,921287E+22	1,921293E+22	2,087805E+22	2,314932E+22
858	2,487168E+22	2,558351E+22	2,564073E+22	2,564107E+22	2,558398E+22	2,487204E+22	2,314974E+22	2,087861E+22	1,921351E+22	1,921328E+22	2,087804E+22	2,314920E+22
859	2,487211E+22	2,558490E+22	2,564244E+22	2,564227E+22	2,558462E+22	2,487219E+22	2,314959E+22	2,087840E+22	1,921354E+22	1,921357E+22	2,087841E+22	2,314941E+22
860	2,487189E+22	2,558431E+22	2,564184E+22	2,564158E+22	2,558385E+22	2,487164E+22	2,314938E+22	2,087858E+22	1,921386E+22	1,921380E+22	2,087837E+22	2,314902E+22
861	2,487118E+22	2,558341E+22	2,564116E+22	2,564169E+22	2,558449E+22	2,487229E+22	2,314976E+22	2,087870E+22	1,921393E+22	1,921394E+22	2,087867E+22	2,314965E+22
862	2,487228E+22	2,558475E+22	2,564217E+22	2,564216E+22	2,558453E+22	2,487202E+22	2,314941E+22	2,087840E+22	1,921376E+22	1,921391E+22	2,087875E+22	2,314959E+22
863	2,487173E+22	2,558370E+22	2,564087E+22	2,564083E+22	2,558369E+22	2,487184E+22	2,314964E+22	2,087871E+22	1,921380E+22	1,921364E+22	2,087835E+22	2,314929E+22
864	2,487164E+22	2,558394E+22	2,564165E+22	2,564186E+22	2,558437E+22	2,487211E+22	2,314960E+22	2,087843E+22	1,921348E+22	1,921340E+22	2,087832E+22	2,314970E+22
865	2,487258E+22	2,558496E+22	2,564226E+22	2,564195E+22	2,558394E+22	2,487143E+22	2,314905E+22	2,087808E+22	1,921325E+22	1,921331E+22	2,087823E+22	2,314919E+22
866	2,487146E+22	2,558354E+22	2,564079E+22	2,564106E+22	2,558394E+22	2,487179E+22	2,314934E+22	2,087822E+22	1,921323E+22	1,921314E+22	2,087800E+22	2,314903E+22
867	2,487165E+22	2,558440E+22	2,564215E+22	2,564219E+22	2,558477E+22	2,487236E+22	2,314935E+22	2,087770E+22	1,921263E+22	1,921278E+22	2,087804E+22	2,314947E+22
868	2,487201E+22	2,558418E+22	2,564164E+22	2,564157E+22	2,558395E+22	2,487175E+22	2,314919E+22	2,087777E+22	1,921259E+22	1,921256E+22	2,087762E+22	2,314891E+22
869	2,487139E+22	2,558329E+22	2,564047E+22	2,564100E+22	2,558411E+22	2,487211E+22	2,314952E+22	2,087802E+22	1,921270E+22	1,921253E+22	2,087760E+22	2,314910E+22
870	2,487217E+22	2,558480E+22	2,564200E+22	2,564183E+22	2,558437E+22	2,487195E+22	2,314917E+22	2,087775E+22	1,921267E+22	1,921265E+22	2,087776E+22	2,314906E+22
871	2,487164E+22	2,558390E+22	2,564108E+22	2,564078E+22	2,558340E+22	2,487148E+22	2,314919E+22	2,087801E+22	1,921288E+22	1,921275E+22	2,087769E+22	2,314879E+22
872	2,487116E+22	2,558344E+22	2,564126E+22	2,564167E+22	2,558421E+22	2,487187E+22	2,314922E+22	2,087791E+22	1,921287E+22	1,921289E+22	2,087799E+22	2,314942E+22
873	2,487228E+22	2,558468E+22	2,564209E+22	2,564207E+22	2,558425E+22	2,487163E+22	2,314889E+22	2,087765E+22	1,921283E+22	1,921312E+22	2,087831E+22	2,314940E+22
874	2,487158E+22	2,558345E+22	2,564048E+22	2,564067E+22	2,558374E+22	2,487179E+22	2,314938E+22	2,087823E+22	1,921327E+22	1,921326E+22	2,087819E+22	2,314925E+22
875	2,487176E+22	2,558428E+22	2,564187E+22	2,564185E+22	2,558450E+22	2,487236E+22	2,314968E+22	2,087830E+22	1,921331E+22	1,921331E+22	2,087831E+22	2,314967E+22
876	2,487239E+22	2,558472E+22	2,564214E+22	2,564186E+22	2,558391E+22	2,487158E+22	2,314937E+22	2,087857E+22	1,921382E+22	1,921372E+22	2,087828E+22	2,314906E+22
877	2,487144E+22	2,558359E+22	2,564090E+22	2,564120E+22	2,558394E+22	2,487182E+22	2,314969E+22	2,087902E+22	1,921434E+22	1,921416E+22	2,087857E+22	2,314922E+22
878	2,487179E+22	2,558469E+22	2,564252E+22	2,564251E+22	2,558478E+22	2,487214E+22	2,314955E+22	2,087880E+22	1,921438E+22	1,921446E+22	2,087904E+22	2,314960E+22
879	2,487165E+22	2,558391E+22	2,564155E+22	2,564148E+22	2,558389E+22	2,487178E+22	2,314967E+22	2,087906E+22	1,921455E+22	1,921455E+22	2,087900E+22	2,314940E+22
880	2,487122E+22	2,558320E+22	2,564100E+22	2,564162E+22	2,558436E+22	2,487218E+22	2,314991E+22	2,087913E+22	1,921450E+22	1,921446E+22	2,087903E+22	2,314988E+22
881	2,487243E+22	2,558488E+22	2,564227E+22	2,564218E+22	2,558446E+22	2,487195E+22	2,314953E+22	2,087878E+22	1,921427E+22	1,921442E+22	2,087916E+22	2,314985E+22
882	2,487188E+22	2,558386E+22	2,564092E+22	2,564066E+22	2,558340E+22	2,487161E+22	2,314968E+22	2,087909E+22	1,921445E+22	1,921430E+22	2,087875E+22	2,314936E+22
883	2,487162E+22	2,558413E+22	2,564197E+22	2,564197E+22	2,558427E+22	2,487202E+22	2,314969E+22	2,087878E+22	1,921405E+22	1,921397E+22	2,087864E+22	2,314966E+22
884	2,487230E+22	2,558476E+22	2,564238E+22	2,564234E+22	2,558427E+22	2,487149E+22	2,314907E+22	2,087836E+22	1,921381E+22	1,921388E+22	2,087853E+22	2,314920E+22
885	2,487138E+22	2,558345E+22	2,564062E+22	2,564093E+22	2,558395E+22	2,487182E+22	2,314940E+22	2,087842E+22	1,921363E+22	1,921362E+22	2,087838E+22	2,314924E+22
886	2,487166E+22	2,558432E+22	2,564207E+22	2,564209E+22	2,558468E+22	2,487232E+22	2,314952E+22	2,087818E+22	1,921324E+22	1,921326E+22	2,087828E+22	2,314951E+22
887	2,487195E+22	2,558411E+22	2,564150E+22	2,564131E+22	2,558370E+22	2,487165E+22	2,314945E+22	2,087837E+22	1,921334E+22	1,921316E+22	2,087791E+22	2,314892E+22
888	2,487128E+22	2,558328E+22	2,564065E+22	2,564106E+22	2,558386E+22	2,487175E+22	2,314948E+22	2,087844E+22	1,921342E+22	1,921319E+22	2,087790E+22	2,314905E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
889	2,487197E+22	2,558477E+22	2,564225E+22	2,564214E+22	2,558446E+22	2,487178E+22	2,314908E+22	2,087801E+22	1,921324E+22	1,921339E+22	2,087837E+22	2,314931E+22
890	2,487151E+22	2,558370E+22	2,564097E+22	2,564078E+22	2,558345E+22	2,487146E+22	2,314920E+22	2,087830E+22	1,921353E+22	1,921354E+22	2,087833E+22	2,314913E+22
891	2,487120E+22	2,558343E+22	2,564130E+22	2,564163E+22	2,558421E+22	2,487203E+22	2,314952E+22	2,087832E+22	1,921343E+22	1,921346E+22	2,087839E+22	2,314963E+22
892	2,487229E+22	2,558460E+22	2,564210E+22	2,564220E+22	2,558439E+22	2,487172E+22	2,314921E+22	2,087827E+22	1,921359E+22	1,921373E+22	2,087855E+22	2,314943E+22
893	2,487172E+22	2,558371E+22	2,564056E+22	2,564055E+22	2,558357E+22	2,487168E+22	2,314952E+22	2,087876E+22	1,921406E+22	1,921398E+22	2,087855E+22	2,314927E+22
894	2,487168E+22	2,558441E+22	2,564218E+22	2,564200E+22	2,558439E+22	2,487214E+22	2,314976E+22	2,087892E+22	1,921429E+22	1,921418E+22	2,087873E+22	2,314958E+22
895	2,487204E+22	2,558450E+22	2,564219E+22	2,564202E+22	2,558398E+22	2,487153E+22	2,314953E+22	2,087915E+22	1,921476E+22	1,921469E+22	2,087894E+22	2,314922E+22
896	2,487117E+22	2,558326E+22	2,564091E+22	2,564140E+22	2,558406E+22	2,487177E+22	2,314968E+22	2,087933E+22	1,921502E+22	1,921496E+22	2,087918E+22	2,314952E+22
897	2,487174E+22	2,558442E+22	2,564236E+22	2,564253E+22	2,558492E+22	2,487228E+22	2,314974E+22	2,087910E+22	1,921484E+22	1,921509E+22	2,087970E+22	2,315011E+22
898	2,487188E+22	2,558386E+22	2,564128E+22	2,564113E+22	2,558364E+22	2,487172E+22	2,314990E+22	2,087956E+22	1,921519E+22	1,921516E+22	2,087945E+22	2,314973E+22
899	2,487153E+22	2,558352E+22	2,564118E+22	2,564139E+22	2,558398E+22	2,487200E+22	2,315007E+22	2,087961E+22	1,921513E+22	1,921494E+22	2,087920E+22	2,314982E+22
900	2,487237E+22	2,558498E+22	2,564258E+22	2,564241E+22	2,558443E+22	2,487175E+22	2,314955E+22	2,087922E+22	1,921499E+22	1,921503E+22	2,087931E+22	2,314965E+22
901	2,487177E+22	2,558401E+22	2,564117E+22	2,564085E+22	2,558342E+22	2,487141E+22	2,314950E+22	2,087923E+22	1,921495E+22	1,921490E+22	2,087911E+22	2,314936E+22
902	2,487137E+22	2,558398E+22	2,564210E+22	2,564220E+22	2,558446E+22	2,487201E+22	2,314966E+22	2,087904E+22	1,921459E+22	1,921451E+22	2,087896E+22	2,314969E+22
903	2,487205E+22	2,558440E+22	2,564214E+22	2,564228E+22	2,558443E+22	2,487174E+22	2,314942E+22	2,087882E+22	1,921435E+22	1,921439E+22	2,087887E+22	2,314935E+22
904	2,487131E+22	2,558323E+22	2,564054E+22	2,564088E+22	2,558386E+22	2,487178E+22	2,314958E+22	2,087888E+22	1,921420E+22	1,921407E+22	2,087859E+22	2,314929E+22
905	2,487164E+22	2,558427E+22	2,564207E+22	2,564204E+22	2,558461E+22	2,487229E+22	2,314969E+22	2,087862E+22	1,921385E+22	1,921387E+22	2,087870E+22	2,314964E+22
906	2,487190E+22	2,558408E+22	2,564149E+22	2,564111E+22	2,558338E+22	2,487141E+22	2,314952E+22	2,087888E+22	1,921415E+22	1,921400E+22	2,087846E+22	2,314907E+22
907	2,487121E+22	2,558330E+22	2,564084E+22	2,564109E+22	2,558371E+22	2,487157E+22	2,314946E+22	2,087880E+22	1,921411E+22	1,921394E+22	2,087841E+22	2,314919E+22
908	2,487180E+22	2,558455E+22	2,564229E+22	2,564238E+22	2,558470E+22	2,487182E+22	2,314909E+22	2,087831E+22	1,921390E+22	1,921411E+22	2,087884E+22	2,314954E+22
909	2,487168E+22	2,558375E+22	2,564090E+22	2,564064E+22	2,558339E+22	2,487143E+22	2,314923E+22	2,087851E+22	1,921400E+22	1,921412E+22	2,087880E+22	2,314944E+22
910	2,487140E+22	2,558356E+22	2,564142E+22	2,564163E+22	2,558412E+22	2,487192E+22	2,314966E+22	2,087886E+22	1,921414E+22	1,921399E+22	2,087863E+22	2,314967E+22
911	2,487229E+22	2,558466E+22	2,564219E+22	2,564218E+22	2,558433E+22	2,487171E+22	2,314947E+22	2,087892E+22	1,921445E+22	1,921443E+22	2,087886E+22	2,314938E+22
912	2,487152E+22	2,558366E+22	2,564090E+22	2,564083E+22	2,558351E+22	2,487147E+22	2,314956E+22	2,087927E+22	1,921490E+22	1,921476E+22	2,087893E+22	2,314920E+22
913	2,487138E+22	2,558419E+22	2,564235E+22	2,564237E+22	2,558466E+22	2,487220E+22	2,314984E+22	2,087930E+22	1,921500E+22	1,921506E+22	2,087943E+22	2,314979E+22
914	2,487182E+22	2,558417E+22	2,564197E+22	2,564189E+22	2,558399E+22	2,487163E+22	2,314974E+22	2,087963E+22	1,921554E+22	1,921558E+22	2,087965E+22	2,314960E+22
915	2,487121E+22	2,558315E+22	2,564078E+22	2,564116E+22	2,558393E+22	2,487191E+22	2,315001E+22	2,087985E+22	1,921569E+22	1,921560E+22	2,087963E+22	2,314978E+22
916	2,487184E+22	2,558437E+22	2,564229E+22	2,564247E+22	2,558486E+22	2,487226E+22	2,314994E+22	2,087967E+22	1,921560E+22	1,921570E+22	2,087992E+22	2,315019E+22
917	2,487215E+22	2,558417E+22	2,564135E+22	2,564089E+22	2,558327E+22	2,487141E+22	2,314984E+22	2,087991E+22	1,921586E+22	1,921581E+22	2,087979E+22	2,314979E+22
918	2,487156E+22	2,558374E+22	2,564156E+22	2,564160E+22	2,558380E+22	2,487161E+22	2,314995E+22	2,088002E+22	1,921586E+22	1,921559E+22	2,087951E+22	2,314974E+22
919	2,487210E+22	2,558483E+22	2,564272E+22	2,564266E+22	2,558457E+22	2,487168E+22	2,314953E+22	2,087955E+22	1,921563E+22	1,921572E+22	2,087976E+22	2,314971E+22
920	2,487147E+22	2,558370E+22	2,564128E+22	2,564113E+22	2,558360E+22	2,487144E+22	2,314947E+22	2,087939E+22	1,921537E+22	1,921540E+22	2,087948E+22	2,314950E+22
921	2,487128E+22	2,558372E+22	2,564197E+22	2,564226E+22	2,558466E+22	2,487228E+22	2,314991E+22	2,087928E+22	1,921490E+22	1,921495E+22	2,087937E+22	2,314989E+22
922	2,487209E+22	2,558427E+22	2,564188E+22	2,564193E+22	2,558418E+22	2,487177E+22	2,314972E+22	2,087937E+22	1,921501E+22	1,921494E+22	2,087917E+22	2,314946E+22
923	2,487140E+22	2,558338E+22	2,564063E+22	2,564065E+22	2,558353E+22	2,487167E+22	2,314976E+22	2,087940E+22	1,921492E+22	1,921465E+22	2,087880E+22	2,314920E+22
924	2,487149E+22	2,558420E+22	2,564221E+22	2,564220E+22	2,558456E+22	2,487210E+22	2,314970E+22	2,087908E+22	1,921465E+22	1,921462E+22	2,087900E+22	2,314959E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
925	2,487185E+22	2,558408E+22	2,564154E+22	2,564116E+22	2,558331E+22	2,487118E+22	2,314933E+22	2,087905E+22	1,921475E+22	1,921478E+22	2,087907E+22	2,314932E+22
926	2,487117E+22	2,558321E+22	2,564095E+22	2,564127E+22	2,558377E+22	2,487147E+22	2,314942E+22	2,087909E+22	1,921469E+22	1,921457E+22	2,087890E+22	2,314942E+22
927	2,487178E+22	2,558435E+22	2,564216E+22	2,564235E+22	2,558476E+22	2,487198E+22	2,314939E+22	2,087879E+22	1,921451E+22	1,921471E+22	2,087926E+22	2,314977E+22
928	2,487174E+22	2,558375E+22	2,564106E+22	2,564074E+22	2,558334E+22	2,487140E+22	2,314938E+22	2,087896E+22	1,921463E+22	1,921465E+22	2,087904E+22	2,314948E+22
929	2,487145E+22	2,558366E+22	2,564159E+22	2,564172E+22	2,558415E+22	2,487200E+22	2,314988E+22	2,087933E+22	1,921483E+22	1,921471E+22	2,087905E+22	2,314965E+22
930	2,487215E+22	2,558463E+22	2,564228E+22	2,564218E+22	2,558419E+22	2,487164E+22	2,314968E+22	2,087957E+22	1,921541E+22	1,921537E+22	2,087942E+22	2,314947E+22
931	2,487136E+22	2,558357E+22	2,564104E+22	2,564094E+22	2,558352E+22	2,487144E+22	2,314965E+22	2,087976E+22	1,921575E+22	1,921563E+22	2,087949E+22	2,314934E+22
932	2,487115E+22	2,558380E+22	2,564217E+22	2,564247E+22	2,558484E+22	2,487234E+22	2,315002E+22	2,087976E+22	1,921579E+22	1,921588E+22	2,087995E+22	2,315006E+22
933	2,487200E+22	2,558413E+22	2,564175E+22	2,564160E+22	2,558375E+22	2,487156E+22	2,314985E+22	2,087998E+22	1,921614E+22	1,921628E+22	2,088021E+22	2,314995E+22
934	2,487146E+22	2,558333E+22	2,564088E+22	2,564104E+22	2,558358E+22	2,487156E+22	2,315005E+22	2,088038E+22	1,921642E+22	1,921617E+22	2,087991E+22	2,314983E+22
935	2,487189E+22	2,558452E+22	2,564245E+22	2,564244E+22	2,558463E+22	2,487206E+22	2,315003E+22	2,088017E+22	1,921638E+22	1,921639E+22	2,088023E+22	2,315013E+22
936	2,487198E+22	2,558423E+22	2,564181E+22	2,564131E+22	2,558324E+22	2,487112E+22	2,314966E+22	2,088012E+22	1,921644E+22	1,921641E+22	2,088008E+22	2,314970E+22
937	2,487132E+22	2,558361E+22	2,564177E+22	2,564205E+22	2,558418E+22	2,487174E+22	2,314993E+22	2,088012E+22	1,921627E+22	1,921621E+22	2,088001E+22	2,314982E+22
938	2,487186E+22	2,558452E+22	2,564254E+22	2,564265E+22	2,558471E+22	2,487195E+22	2,314982E+22	2,087992E+22	1,921617E+22	1,921631E+22	2,088023E+22	2,314993E+22
939	2,487144E+22	2,558352E+22	2,564113E+22	2,564100E+22	2,558359E+22	2,487169E+22	2,314985E+22	2,087989E+22	1,921592E+22	1,921586E+22	2,087974E+22	2,314958E+22
940	2,487125E+22	2,558353E+22	2,564176E+22	2,564216E+22	2,558464E+22	2,487239E+22	2,315025E+22	2,087989E+22	1,921565E+22	1,921552E+22	2,087953E+22	2,314987E+22
941	2,487221E+22	2,558440E+22	2,564182E+22	2,564162E+22	2,558376E+22	2,487151E+22	2,314975E+22	2,087977E+22	1,921572E+22	1,921568E+22	2,087962E+22	2,314954E+22
942	2,487138E+22	2,558348E+22	2,564087E+22	2,564075E+22	2,558324E+22	2,487121E+22	2,314963E+22	2,087983E+22	1,921568E+22	1,921540E+22	2,087926E+22	2,314927E+22
943	2,487133E+22	2,558404E+22	2,564221E+22	2,564232E+22	2,558458E+22	2,487197E+22	2,314962E+22	2,087936E+22	1,921531E+22	1,921540E+22	2,087961E+22	2,314985E+22
944	2,487176E+22	2,558390E+22	2,564162E+22	2,564135E+22	2,558337E+22	2,487113E+22	2,314924E+22	2,087913E+22	1,921513E+22	1,921530E+22	2,087953E+22	2,314963E+22
945	2,487133E+22	2,558320E+22	2,564096E+22	2,564137E+22	2,558391E+22	2,487165E+22	2,314961E+22	2,087929E+22	1,921502E+22	1,921504E+22	2,087931E+22	2,314963E+22
946	2,487192E+22	2,558446E+22	2,564214E+22	2,564215E+22	2,558451E+22	2,487197E+22	2,314968E+22	2,087937E+22	1,921522E+22	1,921528E+22	2,087952E+22	2,314979E+22
947	2,487177E+22	2,558395E+22	2,564131E+22	2,564078E+22	2,558319E+22	2,487137E+22	2,314960E+22	2,087956E+22	1,921546E+22	1,921533E+22	2,087925E+22	2,314927E+22
948	2,487116E+22	2,558354E+22	2,564176E+22	2,564204E+22	2,558430E+22	2,487200E+22	2,315004E+22	2,087991E+22	1,921577E+22	1,921557E+22	2,087938E+22	2,314951E+22
949	2,487192E+22	2,558445E+22	2,564222E+22	2,564220E+22	2,558417E+22	2,487156E+22	2,314968E+22	2,087993E+22	1,921621E+22	1,921631E+22	2,088011E+22	2,314970E+22
950	2,487123E+22	2,558336E+22	2,564100E+22	2,564101E+22	2,558346E+22	2,487135E+22	2,314980E+22	2,088028E+22	1,921652E+22	1,921641E+22	2,088007E+22	2,314962E+22
951	2,487115E+22	2,558359E+22	2,564192E+22	2,564230E+22	2,558471E+22	2,487235E+22	2,315029E+22	2,088035E+22	1,921658E+22	1,921664E+22	2,088048E+22	2,315032E+22
952	2,487206E+22	2,558418E+22	2,564188E+22	2,564160E+22	2,558352E+22	2,487133E+22	2,314986E+22	2,088037E+22	1,921681E+22	1,921691E+22	2,088058E+22	2,315009E+22
953	2,487158E+22	2,558355E+22	2,564115E+22	2,564120E+22	2,558354E+22	2,487148E+22	2,315007E+22	2,088063E+22	1,921699E+22	1,921689E+22	2,088039E+22	2,314986E+22
954	2,487177E+22	2,558455E+22	2,564263E+22	2,564255E+22	2,558452E+22	2,487192E+22	2,315010E+22	2,088060E+22	1,921712E+22	1,921717E+22	2,088073E+22	2,315022E+22
955	2,487182E+22	2,558414E+22	2,564195E+22	2,564158E+22	2,558347E+22	2,487124E+22	2,314971E+22	2,088041E+22	1,921701E+22	1,921704E+22	2,088048E+22	2,314977E+22
956	2,487113E+22	2,558329E+22	2,564159E+22	2,564219E+22	2,558449E+22	2,487206E+22	2,315022E+22	2,088051E+22	1,921682E+22	1,921674E+22	2,088028E+22	2,314994E+22
957	2,487195E+22	2,558444E+22	2,564226E+22	2,564235E+22	2,558451E+22	2,487198E+22	2,315007E+22	2,088033E+22	1,921669E+22	1,921682E+22	2,088059E+22	2,315013E+22
958	2,487158E+22	2,558364E+22	2,564115E+22	2,564086E+22	2,558321E+22	2,487139E+22	2,315002E+22	2,088050E+22	1,921663E+22	1,921638E+22	2,087994E+22	2,314955E+22
959	2,487118E+22	2,558353E+22	2,564173E+22	2,564204E+22	2,558433E+22	2,487216E+22	2,315035E+22	2,088041E+22	1,921645E+22	1,921626E+22	2,087992E+22	2,314983E+22
960	2,487196E+22	2,558437E+22	2,564212E+22	2,564188E+22	2,558362E+22	2,487116E+22	2,314953E+22	2,087994E+22	1,921628E+22	1,921636E+22	2,088008E+22	2,314963E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
961	2,487126E+22	2,558341E+22	2,564098E+22	2,564103E+22	2,558344E+22	2,487123E+22	2,314951E+22	2,087981E+22	1,921603E+22	1,921605E+22	2,087985E+22	2,314949E+22
962	2,487126E+22	2,558390E+22	2,564209E+22	2,564226E+22	2,558456E+22	2,487209E+22	2,314983E+22	2,087970E+22	1,921582E+22	1,921597E+22	2,088008E+22	2,315015E+22
963	2,487190E+22	2,558395E+22	2,564161E+22	2,564138E+22	2,558341E+22	2,487127E+22	2,314947E+22	2,087954E+22	1,921565E+22	1,921572E+22	2,087972E+22	2,314966E+22
964	2,487134E+22	2,558321E+22	2,564094E+22	2,564143E+22	2,558396E+22	2,487178E+22	2,314995E+22	2,087991E+22	1,921578E+22	1,921559E+22	2,087941E+22	2,314950E+22
965	2,487191E+22	2,558458E+22	2,564223E+22	2,564207E+22	2,558425E+22	2,487183E+22	2,314984E+22	2,087990E+22	1,921604E+22	1,921609E+22	2,087997E+22	2,314977E+22
966	2,487157E+22	2,558394E+22	2,564156E+22	2,564104E+22	2,558303E+22	2,487103E+22	2,314965E+22	2,088018E+22	1,921639E+22	1,921623E+22	2,087979E+22	2,314929E+22
967	2,487083E+22	2,558320E+22	2,564158E+22	2,564211E+22	2,558438E+22	2,487202E+22	2,315015E+22	2,088039E+22	1,921666E+22	1,921657E+22	2,088013E+22	2,314978E+22
968	2,487170E+22	2,558417E+22	2,564215E+22	2,564224E+22	2,558414E+22	2,487151E+22	2,314970E+22	2,088018E+22	1,921678E+22	1,921705E+22	2,088074E+22	2,315010E+22
969	2,487142E+22	2,558337E+22	2,564092E+22	2,564095E+22	2,558341E+22	2,487138E+22	2,314993E+22	2,088055E+22	1,921703E+22	1,921707E+22	2,088061E+22	2,314990E+22
970	2,487135E+22	2,558378E+22	2,564192E+22	2,564208E+22	2,558435E+22	2,487216E+22	2,315047E+22	2,088092E+22	1,921736E+22	1,921732E+22	2,088087E+22	2,315046E+22
971	2,487217E+22	2,558444E+22	2,564217E+22	2,564176E+22	2,558345E+22	2,487119E+22	2,314989E+22	2,088080E+22	1,921752E+22	1,921755E+22	2,088084E+22	2,314998E+22
972	2,487138E+22	2,558353E+22	2,564139E+22	2,564162E+22	2,558381E+22	2,487154E+22	2,315018E+22	2,088105E+22	1,921770E+22	1,921755E+22	2,088067E+22	2,314981E+22
973	2,487161E+22	2,558443E+22	2,564262E+22	2,564264E+22	2,558460E+22	2,487199E+22	2,315019E+22	2,088088E+22	1,921769E+22	1,921786E+22	2,088126E+22	2,315041E+22
974	2,487170E+22	2,558397E+22	2,564192E+22	2,564168E+22	2,558348E+22	2,487128E+22	2,315003E+22	2,088096E+22	1,921762E+22	1,921758E+22	2,088083E+22	2,314989E+22
975	2,487106E+22	2,558308E+22	2,564127E+22	2,564199E+22	2,558442E+22	2,487217E+22	2,315060E+22	2,088114E+22	1,921756E+22	1,921737E+22	2,088065E+22	2,315001E+22
976	2,487183E+22	2,558441E+22	2,564227E+22	2,564222E+22	2,558423E+22	2,487176E+22	2,315012E+22	2,088073E+22	1,921732E+22	1,921741E+22	2,088091E+22	2,315019E+22
977	2,487159E+22	2,558377E+22	2,564132E+22	2,564093E+22	2,558306E+22	2,487118E+22	2,314999E+22	2,088073E+22	1,921721E+22	1,921711E+22	2,088046E+22	2,314963E+22
978	2,487105E+22	2,558352E+22	2,564183E+22	2,564204E+22	2,558407E+22	2,487181E+22	2,315027E+22	2,088076E+22	1,921712E+22	1,921702E+22	2,088050E+22	2,315006E+22
979	2,487187E+22	2,558427E+22	2,564213E+22	2,564205E+22	2,558379E+22	2,487114E+22	2,314943E+22	2,088007E+22	1,921673E+22	1,921691E+22	2,088052E+22	2,314984E+22
980	2,487122E+22	2,558327E+22	2,564089E+22	2,564116E+22	2,558370E+22	2,487148E+22	2,314972E+22	2,088006E+22	1,921641E+22	1,921643E+22	2,088008E+22	2,314967E+22
981	2,487145E+22	2,558398E+22	2,564198E+22	2,564204E+22	2,558434E+22	2,487203E+22	2,315001E+22	2,088006E+22	1,921630E+22	1,921641E+22	2,088035E+22	2,315026E+22
982	2,487200E+22	2,558416E+22	2,564182E+22	2,564145E+22	2,558319E+22	2,487104E+22	2,314970E+22	2,088020E+22	1,921639E+22	1,921624E+22	2,087985E+22	2,314949E+22
983	2,487114E+22	2,558319E+22	2,564102E+22	2,564152E+22	2,558389E+22	2,487168E+22	2,315014E+22	2,088053E+22	1,921672E+22	1,921644E+22	2,087982E+22	2,314934E+22
984	2,487141E+22	2,558437E+22	2,564244E+22	2,564236E+22	2,558429E+22	2,487164E+22	2,314979E+22	2,088024E+22	1,921678E+22	1,921693E+22	2,088054E+22	2,314988E+22
985	2,487133E+22	2,558370E+22	2,564153E+22	2,564125E+22	2,558328E+22	2,487115E+22	2,314972E+22	2,088040E+22	1,921701E+22	1,921712E+22	2,088055E+22	2,314961E+22
986	2,487074E+22	2,558296E+22	2,564131E+22	2,564187E+22	2,558421E+22	2,487205E+22	2,315047E+22	2,088095E+22	1,921741E+22	1,921737E+22	2,088080E+22	2,315023E+22
987	2,487189E+22	2,558419E+22	2,564201E+22	2,564211E+22	2,558408E+22	2,487153E+22	2,314992E+22	2,088070E+22	1,921749E+22	1,921768E+22	2,088112E+22	2,315030E+22
988	2,487158E+22	2,558355E+22	2,564100E+22	2,564096E+22	2,558338E+22	2,487139E+22	2,315017E+22	2,088111E+22	1,921781E+22	1,921769E+22	2,088085E+22	2,314995E+22
989	2,487149E+22	2,558403E+22	2,564216E+22	2,564208E+22	2,558406E+22	2,487186E+22	2,315050E+22	2,088136E+22	1,921813E+22	1,921812E+22	2,088135E+22	2,315055E+22
990	2,487209E+22	2,558454E+22	2,564254E+22	2,564218E+22	2,558345E+22	2,487090E+22	2,314992E+22	2,088131E+22	1,921829E+22	1,921828E+22	2,088127E+22	2,315000E+22
991	2,487110E+22	2,558326E+22	2,564130E+22	2,564178E+22	2,558406E+22	2,487170E+22	2,315036E+22	2,088148E+22	1,921843E+22	1,921834E+22	2,088123E+22	2,314994E+22
992	2,487132E+22	2,558417E+22	2,564260E+22	2,564267E+22	2,558462E+22	2,487206E+22	2,315037E+22	2,088119E+22	1,921815E+22	1,921838E+22	2,088167E+22	2,315064E+22
993	2,487179E+22	2,558396E+22	2,564183E+22	2,564157E+22	2,558341E+22	2,487129E+22	2,315022E+22	2,088129E+22	1,921814E+22	1,921814E+22	2,088120E+22	2,314998E+22
994	2,487106E+22	2,558314E+22	2,564120E+22	2,564166E+22	2,558400E+22	2,487193E+22	2,315078E+22	2,088172E+22	1,921834E+22	1,921804E+22	2,088100E+22	2,315008E+22
995	2,487179E+22	2,558448E+22	2,564240E+22	2,564230E+22	2,558415E+22	2,487151E+22	2,315000E+22	2,088103E+22	1,921795E+22	1,921802E+22	2,088120E+22	2,315014E+22
996	2,487138E+22	2,558366E+22	2,564142E+22	2,564119E+22	2,558325E+22	2,487113E+22	2,314994E+22	2,088096E+22	1,921774E+22	1,921766E+22	2,088079E+22	2,314974E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
997	2,487099E+22	2,558340E+22	2,564178E+22	2,564203E+22	2,558405E+22	2,487174E+22	2,315024E+22	2,088090E+22	1,921754E+22	1,921758E+22	2,088102E+22	2,315038E+22
998	2,487192E+22	2,558423E+22	2,564218E+22	2,564215E+22	2,558374E+22	2,487108E+22	2,314967E+22	2,088051E+22	1,921718E+22	1,921730E+22	2,088077E+22	2,314996E+22
999	2,487123E+22	2,558321E+22	2,564075E+22	2,564107E+22	2,558371E+22	2,487159E+22	2,315006E+22	2,088064E+22	1,921710E+22	1,921699E+22	2,088034E+22	2,314963E+22
1000	2,487126E+22	2,558403E+22	2,564217E+22	2,564204E+22	2,558419E+22	2,487191E+22	2,315013E+22	2,088049E+22	1,921694E+22	1,921699E+22	2,088060E+22	2,315020E+22
1001	2,487188E+22	2,558423E+22	2,564204E+22	2,564162E+22	2,558320E+22	2,487094E+22	2,314976E+22	2,088056E+22	1,921712E+22	1,921710E+22	2,088036E+22	2,314948E+22
1002	2,487084E+22	2,558301E+22	2,564100E+22	2,564151E+22	2,558380E+22	2,487153E+22	2,315023E+22	2,088108E+22	1,921762E+22	1,921740E+22	2,088052E+22	2,314963E+22
1003	2,487126E+22	2,558406E+22	2,564223E+22	2,564242E+22	2,558450E+22	2,487172E+22	2,314984E+22	2,088057E+22	1,921745E+22	1,921769E+22	2,088114E+22	2,315022E+22
1004	2,487136E+22	2,558354E+22	2,564134E+22	2,564120E+22	2,558337E+22	2,487132E+22	2,315002E+22	2,088087E+22	1,921762E+22	1,921770E+22	2,088098E+22	2,314999E+22
1005	2,487107E+22	2,558312E+22	2,564126E+22	2,564156E+22	2,558378E+22	2,487178E+22	2,315059E+22	2,088145E+22	1,921811E+22	1,921802E+22	2,088125E+22	2,315049E+22
1006	2,487212E+22	2,558452E+22	2,564236E+22	2,564218E+22	2,558373E+22	2,487116E+22	2,315005E+22	2,088134E+22	1,921831E+22	1,921833E+22	2,088137E+22	2,315022E+22
1007	2,487147E+22	2,558368E+22	2,564130E+22	2,564120E+22	2,558340E+22	2,487127E+22	2,315025E+22	2,088164E+22	1,921869E+22	1,921855E+22	2,088127E+22	2,314981E+22
1008	2,487107E+22	2,558394E+22	2,564249E+22	2,564244E+22	2,558421E+22	2,487175E+22	2,315041E+22	2,088161E+22	1,921876E+22	1,921883E+22	2,088182E+22	2,315062E+22
1009	2,487188E+22	2,558435E+22	2,564259E+22	2,564247E+22	2,558384E+22	2,487115E+22	2,315005E+22	2,088153E+22	1,921885E+22	1,921902E+22	2,088182E+22	2,315017E+22
1010	2,487095E+22	2,558301E+22	2,564108E+22	2,564160E+22	2,558398E+22	2,487179E+22	2,315073E+22	2,088208E+22	1,921914E+22	1,921900E+22	2,088171E+22	2,315021E+22
1011	2,487132E+22	2,558397E+22	2,564234E+22	2,564252E+22	2,558462E+22	2,487209E+22	2,315058E+22	2,088171E+22	1,921883E+22	1,921893E+22	2,088193E+22	2,315069E+22
1012	2,487178E+22	2,558397E+22	2,564183E+22	2,564149E+22	2,558333E+22	2,487130E+22	2,315044E+22	2,088181E+22	1,921884E+22	1,921871E+22	2,088146E+22	2,315005E+22
1013	2,487108E+22	2,558321E+22	2,564130E+22	2,564150E+22	2,558357E+22	2,487149E+22	2,315067E+22	2,088206E+22	1,921902E+22	1,921879E+22	2,088153E+22	2,315027E+22
1014	2,487174E+22	2,558447E+22	2,564261E+22	2,564250E+22	2,558405E+22	2,487119E+22	2,314992E+22	2,088136E+22	1,921854E+22	1,921865E+22	2,088164E+22	2,315030E+22
1015	2,487127E+22	2,558347E+22	2,564134E+22	2,564126E+22	2,558343E+22	2,487124E+22	2,314999E+22	2,088118E+22	1,921823E+22	1,921825E+22	2,088124E+22	2,314992E+22
1016	2,487090E+22	2,558333E+22	2,564182E+22	2,564202E+22	2,558403E+22	2,487172E+22	2,315029E+22	2,088107E+22	1,921782E+22	1,921790E+22	2,088126E+22	2,315057E+22
1017	2,487210E+22	2,558437E+22	2,564226E+22	2,564217E+22	2,558378E+22	2,487111E+22	2,314981E+22	2,088082E+22	1,921765E+22	1,921775E+22	2,088094E+22	2,314991E+22
1018	2,487118E+22	2,558330E+22	2,564086E+22	2,564093E+22	2,558345E+22	2,487144E+22	2,315029E+22	2,088128E+22	1,921793E+22	1,921767E+22	2,088064E+22	2,314957E+22
1019	2,487103E+22	2,558389E+22	2,564226E+22	2,564225E+22	2,558431E+22	2,487182E+22	2,315017E+22	2,088095E+22	1,921772E+22	1,921772E+22	2,088094E+22	2,315009E+22
1020	2,487154E+22	2,558400E+22	2,564207E+22	2,564184E+22	2,558347E+22	2,487109E+22	2,314992E+22	2,088100E+22	1,921786E+22	1,921783E+22	2,088086E+22	2,314969E+22
1021	2,487075E+22	2,558278E+22	2,564085E+22	2,564132E+22	2,558365E+22	2,487147E+22	2,315035E+22	2,088148E+22	1,921832E+22	1,921821E+22	2,088122E+22	2,315008E+22
1022	2,487142E+22	2,558401E+22	2,564219E+22	2,564233E+22	2,558428E+22	2,487159E+22	2,315012E+22	2,088119E+22	1,921817E+22	1,921834E+22	2,088157E+22	2,315049E+22
1023	2,487152E+22	2,558357E+22	2,564127E+22	2,564106E+22	2,558326E+22	2,487128E+22	2,315024E+22	2,088149E+22	1,921850E+22	1,921847E+22	2,088140E+22	2,315006E+22
1024	2,487103E+22	2,558335E+22	2,564164E+22	2,564163E+22	2,558357E+22	2,487149E+22	2,315055E+22	2,088183E+22	1,921882E+22	1,921873E+22	2,088164E+22	2,315056E+22
1025	2,487211E+22	2,558471E+22	2,564278E+22	2,564253E+22	2,558381E+22	2,487098E+22	2,314996E+22	2,088162E+22	1,921904E+22	1,921920E+22	2,088188E+22	2,315021E+22
1026	2,487118E+22	2,558352E+22	2,564143E+22	2,564137E+22	2,558348E+22	2,487124E+22	2,315034E+22	2,088211E+22	1,921952E+22	1,921943E+22	2,088190E+22	2,315004E+22
1027	2,487087E+22	2,558357E+22	2,564231E+22	2,564262E+22	2,558460E+22	2,487199E+22	2,315055E+22	2,088193E+22	1,921933E+22	1,921946E+22	2,088223E+22	2,315078E+22
1028	2,487183E+22	2,558415E+22	2,564237E+22	2,564236E+22	2,558397E+22	2,487144E+22	2,315045E+22	2,088206E+22	1,921942E+22	1,921947E+22	2,088210E+22	2,315040E+22
1029	2,487111E+22	2,558303E+22	2,564095E+22	2,564120E+22	2,558354E+22	2,487158E+22	2,315092E+22	2,088264E+22	1,921987E+22	1,921963E+22	2,088209E+22	2,315039E+22
1030	2,487144E+22	2,558411E+22	2,564251E+22	2,564244E+22	2,558420E+22	2,487172E+22	2,315070E+22	2,088228E+22	1,921959E+22	1,921955E+22	2,088218E+22	2,315063E+22
1031	2,487163E+22	2,558392E+22	2,564195E+22	2,564160E+22	2,558326E+22	2,487109E+22	2,315040E+22	2,088220E+22	1,921960E+22	1,921950E+22	2,088192E+22	2,315001E+22
1032	2,487078E+22	2,558313E+22	2,564154E+22	2,564171E+22	2,558359E+22	2,487128E+22	2,315042E+22	2,088209E+22	1,921941E+22	1,921936E+22	2,088200E+22	2,315048E+22

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1033	2,487173E+22	2,558439E+22	2,564266E+22	2,564265E+22	2,558425E+22	2,487130E+22	2,314991E+22	2,088143E+22	1,921890E+22	1,921918E+22	2,088203E+22	2,315046E+22
1034	2,487127E+22	2,558338E+22	2,564127E+22	2,564113E+22	2,558337E+22	2,487132E+22	2,315029E+22	2,088167E+22	1,921879E+22	1,921872E+22	2,088153E+22	2,315009E+22
1035	2,487097E+22	2,558326E+22	2,564171E+22	2,564202E+22	2,558415E+22	2,487181E+22	2,315047E+22	2,088152E+22	1,921841E+22	1,921831E+22	2,088133E+22	2,315044E+22
1036	2,487202E+22	2,558443E+22	2,564239E+22	2,564223E+22	2,558382E+22	2,487123E+22	2,315010E+22	2,088138E+22	1,921836E+22	1,921828E+22	2,088115E+22	2,314988E+22
1037	2,487105E+22	2,558325E+22	2,564100E+22	2,564090E+22	2,558316E+22	2,487112E+22	2,315030E+22	2,088178E+22	1,921877E+22	1,921855E+22	2,088124E+22	2,314975E+22
1038	2,487087E+22	2,558364E+22	2,564229E+22	2,564237E+22	2,558425E+22	2,487167E+22	2,315026E+22	2,088142E+22	1,921850E+22	1,921855E+22	2,088153E+22	2,315030E+22
1039	2,487141E+22	2,558370E+22	2,564187E+22	2,564178E+22	2,558356E+22	2,487123E+22	2,315009E+22	2,088141E+22	1,921860E+22	1,921868E+22	2,088152E+22	2,314998E+22
1040	2,487077E+22	2,558278E+22	2,564086E+22	2,564115E+22	2,558339E+22	2,487127E+22	2,315036E+22	2,088177E+22	1,921884E+22	1,921879E+22	2,088166E+22	2,315041E+22
1041	2,487173E+22	2,558428E+22	2,564237E+22	2,564231E+22	2,558414E+22	2,487143E+22	2,315011E+22	2,088154E+22	1,921887E+22	1,921903E+22	2,088189E+22	2,315052E+22
1042	2,487156E+22	2,558377E+22	2,564158E+22	2,564112E+22	2,558304E+22	2,487103E+22	2,315030E+22	2,088202E+22	1,921935E+22	1,921925E+22	2,088178E+22	2,315005E+22
1043	2,487087E+22	2,558326E+22	2,564182E+22	2,564204E+22	2,558386E+22	2,487144E+22	2,315049E+22	2,088216E+22	1,921952E+22	1,921944E+22	2,088198E+22	2,315047E+22
1044	2,487180E+22	2,558451E+22	2,564288E+22	2,564286E+22	2,558426E+22	2,487134E+22	2,315022E+22	2,088204E+22	1,921967E+22	1,921981E+22	2,088233E+22	2,315041E+22
1045	2,487105E+22	2,558324E+22	2,564130E+22	2,564127E+22	2,558341E+22	2,487133E+22	2,315063E+22	2,088262E+22	1,922023E+22	1,922018E+22	2,088249E+22	2,315037E+22
1046	2,487093E+22	2,558338E+22	2,564214E+22	2,564248E+22	2,558441E+22	2,487202E+22	2,315100E+22	2,088264E+22	1,922011E+22	1,922009E+22	2,088256E+22	2,315087E+22
1047	2,487184E+22	2,558408E+22	2,564223E+22	2,564214E+22	2,558380E+22	2,487146E+22	2,315074E+22	2,088272E+22	1,922033E+22	1,922027E+22	2,088249E+22	2,315037E+22
1048	2,487101E+22	2,558317E+22	2,564117E+22	2,564109E+22	2,558313E+22	2,487118E+22	2,315081E+22	2,088298E+22	1,922055E+22	1,922034E+22	2,088251E+22	2,315050E+22
1049	2,487146E+22	2,558422E+22	2,564277E+22	2,564265E+22	2,558412E+22	2,487141E+22	2,315045E+22	2,088246E+22	1,922024E+22	1,922035E+22	2,088268E+22	2,315072E+22
1050	2,487148E+22	2,558379E+22	2,564201E+22	2,564172E+22	2,558328E+22	2,487097E+22	2,315032E+22	2,088244E+22	1,922018E+22	1,922021E+22	2,088249E+22	2,315031E+22
1051	2,487077E+22	2,558288E+22	2,564140E+22	2,564189E+22	2,558389E+22	2,487143E+22	2,315045E+22	2,088220E+22	1,921971E+22	1,921973E+22	2,088227E+22	2,315063E+22
1052	2,487182E+22	2,558440E+22	2,564263E+22	2,564264E+22	2,558437E+22	2,487158E+22	2,315026E+22	2,088182E+22	1,921926E+22	1,921940E+22	2,088215E+22	2,315057E+22
1053	2,487138E+22	2,558348E+22	2,564133E+22	2,564093E+22	2,558302E+22	2,487116E+22	2,315047E+22	2,088219E+22	1,921946E+22	1,921927E+22	2,088176E+22	2,315009E+22
1054	2,487096E+22	2,558332E+22	2,564192E+22	2,564209E+22	2,558391E+22	2,487164E+22	2,315068E+22	2,088211E+22	1,921920E+22	1,921897E+22	2,088153E+22	2,315020E+22
1055	2,487167E+22	2,558422E+22	2,564244E+22	2,564239E+22	2,558390E+22	2,487122E+22	2,315019E+22	2,088187E+22	1,921923E+22	1,921918E+22	2,088167E+22	2,314981E+22
1056	2,487067E+22	2,558303E+22	2,564106E+22	2,564101E+22	2,558315E+22	2,487101E+22	2,315021E+22	2,088198E+22	1,921934E+22	1,921930E+22	2,088188E+22	2,315009E+22
1057	2,487092E+22	2,558352E+22	2,564220E+22	2,564237E+22	2,558425E+22	2,487167E+22	2,315028E+22	2,088167E+22	1,921909E+22	1,921928E+22	2,088207E+22	2,315059E+22
1058	2,487150E+22	2,558360E+22	2,564171E+22	2,564157E+22	2,558334E+22	2,487116E+22	2,315031E+22	2,088195E+22	1,921933E+22	1,921939E+22	2,088202E+22	2,315028E+22
1059	2,487096E+22	2,558282E+22	2,564085E+22	2,564121E+22	2,558343E+22	2,487121E+22	2,315039E+22	2,088213E+22	1,921948E+22	1,921937E+22	2,088191E+22	2,315039E+22
1060	2,487176E+22	2,558449E+22	2,564265E+22	2,564246E+22	2,558414E+22	2,487145E+22	2,315029E+22	2,088203E+22	1,921956E+22	1,921963E+22	2,088222E+22	2,315056E+22
1061	2,487145E+22	2,558378E+22	2,564184E+22	2,564130E+22	2,558291E+22	2,487081E+22	2,315032E+22	2,088250E+22	1,922019E+22	1,922013E+22	2,088237E+22	2,315023E+22
1062	2,487075E+22	2,558308E+22	2,564188E+22	2,564225E+22	2,558397E+22	2,487152E+22	2,315072E+22	2,088264E+22	1,922027E+22	1,922021E+22	2,088245E+22	2,315055E+22
1063	2,487162E+22	2,558419E+22	2,564267E+22	2,564284E+22	2,558441E+22	2,487164E+22	2,315060E+22	2,088260E+22	1,922045E+22	1,922060E+22	2,088284E+22	2,315053E+22
1064	2,487100E+22	2,558322E+22	2,564127E+22	2,564108E+22	2,558311E+22	2,487120E+22	2,315080E+22	2,088308E+22	1,922086E+22	1,922078E+22	2,088289E+22	2,315060E+22
1065	2,487112E+22	2,558354E+22	2,564220E+22	2,564236E+22	2,558412E+22	2,487178E+22	2,315101E+22	2,088311E+22	1,922093E+22	1,922085E+22	2,088289E+22	2,315083E+22
1066	2,487175E+22	2,558415E+22	2,564238E+22	2,564212E+22	2,558350E+22	2,487114E+22	2,315075E+22	2,088322E+22	1,922119E+22	1,922113E+22	2,088299E+22	2,315044E+22
1067	2,487087E+22	2,558304E+22	2,564127E+22	2,564145E+22	2,558333E+22	2,487101E+22	2,315058E+22	2,088311E+22	1,922109E+22	1,922098E+22	2,088291E+22	2,315053E+22
1068	2,487131E+22	2,558413E+22	2,564286E+22	2,564289E+22	2,558441E+22	2,487164E+22	2,315056E+22	2,088267E+22	1,922062E+22	1,922078E+22	2,088310E+22	2,315101E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1069	2,487149E+22	2,558366E+22	2,564196E+22	2,564171E+22	2,558319E+22	2,487099E+22	2,315050E+22	2,088277E+22	1,922065E+22	1,922070E+22	2,088290E+22	2,315060E+22
1070	2,487093E+22	2,558286E+22	2,564133E+22	2,564184E+22	2,558379E+22	2,487153E+22	2,315084E+22	2,088274E+22	1,922027E+22	1,922014E+22	2,088239E+22	2,315055E+22
1071	2,487175E+22	2,558440E+22	2,564261E+22	2,564259E+22	2,558435E+22	2,487173E+22	2,315061E+22	2,088241E+22	1,922004E+22	1,922006E+22	2,088239E+22	2,315036E+22
1072	2,487115E+22	2,558359E+22	2,564156E+22	2,564095E+22	2,558269E+22	2,487086E+22	2,315045E+22	2,088254E+22	1,922012E+22	1,921996E+22	2,088218E+22	2,315012E+22
1073	2,487081E+22	2,558324E+22	2,564198E+22	2,564226E+22	2,558389E+22	2,487143E+22	2,315054E+22	2,088240E+22	1,921997E+22	1,921985E+22	2,088208E+22	2,315027E+22
1074	2,487142E+22	2,558390E+22	2,564228E+22	2,564239E+22	2,558390E+22	2,487119E+22	2,315021E+22	2,088218E+22	1,921992E+22	1,922002E+22	2,088237E+22	2,315020E+22
1075	2,487071E+22	2,558273E+22	2,564075E+22	2,564101E+22	2,558324E+22	2,487104E+22	2,315023E+22	2,088215E+22	1,921975E+22	1,921979E+22	2,088227E+22	2,315036E+22
1076	2,487114E+22	2,558366E+22	2,564216E+22	2,564224E+22	2,558413E+22	2,487176E+22	2,315056E+22	2,088212E+22	1,921956E+22	1,921964E+22	2,088235E+22	2,315084E+22
1077	2,487172E+22	2,558386E+22	2,564190E+22	2,564146E+22	2,558293E+22	2,487084E+22	2,315037E+22	2,088245E+22	1,922008E+22	1,922005E+22	2,088236E+22	2,315035E+22
1078	2,487102E+22	2,558302E+22	2,564120E+22	2,564143E+22	2,558327E+22	2,487106E+22	2,315055E+22	2,088264E+22	1,922027E+22	1,922008E+22	2,088217E+22	2,315018E+22
1079	2,487143E+22	2,558437E+22	2,564284E+22	2,564280E+22	2,558438E+22	2,487159E+22	2,315047E+22	2,088252E+22	1,922042E+22	1,922053E+22	2,088271E+22	2,315044E+22
1080	2,487107E+22	2,558362E+22	2,564193E+22	2,564149E+22	2,558299E+22	2,487085E+22	2,315041E+22	2,088283E+22	1,922084E+22	1,922089E+22	2,088294E+22	2,315047E+22
1081	2,487073E+22	2,558290E+22	2,564173E+22	2,564227E+22	2,558404E+22	2,487164E+22	2,315093E+22	2,088315E+22	1,922108E+22	1,922100E+22	2,088294E+22	2,315069E+22
1082	2,487154E+22	2,558402E+22	2,564245E+22	2,564264E+22	2,558422E+22	2,487162E+22	2,315093E+22	2,088330E+22	1,922137E+22	1,922144E+22	2,088337E+22	2,315076E+22
1083	2,487105E+22	2,558314E+22	2,564118E+22	2,564109E+22	2,558303E+22	2,487105E+22	2,315086E+22	2,088352E+22	1,922160E+22	1,922149E+22	2,088326E+22	2,315065E+22
1084	2,487112E+22	2,558370E+22	2,564241E+22	2,564244E+22	2,558396E+22	2,487165E+22	2,315111E+22	2,088355E+22	1,922159E+22	1,922152E+22	2,088339E+22	2,315102E+22
1085	2,487166E+22	2,558412E+22	2,564253E+22	2,564225E+22	2,558333E+22	2,487081E+22	2,315061E+22	2,088351E+22	1,922189E+22	1,922195E+22	2,088366E+22	2,315077E+22
1086	2,487090E+22	2,558297E+22	2,564131E+22	2,564160E+22	2,558343E+22	2,487111E+22	2,315069E+22	2,088332E+22	1,922155E+22	1,922155E+22	2,088332E+22	2,315069E+22
1087	2,487128E+22	2,558401E+22	2,564272E+22	2,564286E+22	2,558452E+22	2,487191E+22	2,315088E+22	2,088303E+22	1,922111E+22	1,922128E+22	2,088340E+22	2,315104E+22
1088	2,487152E+22	2,558380E+22	2,564202E+22	2,564164E+22	2,558298E+22	2,487088E+22	2,315063E+22	2,088312E+22	1,922109E+22	1,922105E+22	2,088307E+22	2,315067E+22
1089	2,487104E+22	2,558307E+22	2,564148E+22	2,564187E+22	2,558362E+22	2,487133E+22	2,315084E+22	2,088316E+22	1,922099E+22	1,922071E+22	2,088252E+22	2,315029E+22
1090	2,487141E+22	2,558428E+22	2,564268E+22	2,564265E+22	2,558418E+22	2,487154E+22	2,315069E+22	2,088290E+22	1,922082E+22	1,922083E+22	2,088282E+22	2,315033E+22
1091	2,487083E+22	2,558324E+22	2,564149E+22	2,564126E+22	2,558292E+22	2,487080E+22	2,315036E+22	2,088273E+22	1,922064E+22	1,922060E+22	2,088263E+22	2,315020E+22
1092	2,487063E+22	2,558306E+22	2,564185E+22	2,564226E+22	2,558398E+22	2,487161E+22	2,315074E+22	2,088268E+22	1,922039E+22	1,922037E+22	2,088264E+22	2,315066E+22
1093	2,487145E+22	2,558376E+22	2,564208E+22	2,564217E+22	2,558363E+22	2,487107E+22	2,315039E+22	2,088263E+22	1,922053E+22	1,922066E+22	2,088290E+22	2,315060E+22
1094	2,487099E+22	2,558287E+22	2,564072E+22	2,564087E+22	2,558304E+22	2,487101E+22	2,315049E+22	2,088263E+22	1,922039E+22	1,922032E+22	2,088250E+22	2,315037E+22
1095	2,487119E+22	2,558384E+22	2,564231E+22	2,564226E+22	2,558402E+22	2,487173E+22	2,315078E+22	2,088268E+22	1,922039E+22	1,922038E+22	2,088265E+22	2,315067E+22
1096	2,487157E+22	2,558409E+22	2,564230E+22	2,564171E+22	2,558274E+22	2,487051E+22	2,315030E+22	2,088280E+22	1,922078E+22	1,922079E+22	2,088282E+22	2,315041E+22
1097	2,487087E+22	2,558301E+22	2,564142E+22	2,564180E+22	2,558343E+22	2,487094E+22	2,315046E+22	2,088303E+22	1,922113E+22	1,922098E+22	2,088271E+22	2,315019E+22
1098	2,487106E+22	2,558401E+22	2,564271E+22	2,564291E+22	2,558454E+22	2,487176E+22	2,315072E+22	2,088300E+22	1,922122E+22	1,922143E+22	2,088340E+22	2,315075E+22
1099	2,487100E+22	2,558328E+22	2,564164E+22	2,564155E+22	2,558315E+22	2,487099E+22	2,315065E+22	2,088325E+22	1,922145E+22	1,922152E+22	2,088338E+22	2,315068E+22
1100	2,487084E+22	2,558298E+22	2,564163E+22	2,564207E+22	2,558389E+22	2,487171E+22	2,315130E+22	2,088377E+22	1,922176E+22	1,922158E+22	2,088337E+22	2,315094E+22
1101	2,487161E+22	2,558413E+22	2,564253E+22	2,564248E+22	2,558378E+22	2,487125E+22	2,315098E+22	2,088388E+22	1,922227E+22	1,922228E+22	2,088388E+22	2,315094E+22
1102	2,487111E+22	2,558327E+22	2,564139E+22	2,564120E+22	2,558287E+22	2,487085E+22	2,315090E+22	2,088392E+22	1,922235E+22	1,922225E+22	2,088368E+22	2,315063E+22
1103	2,487091E+22	2,558363E+22	2,564256E+22	2,564270E+22	2,558414E+22	2,487168E+22	2,315118E+22	2,088389E+22	1,922227E+22	1,922230E+22	2,088391E+22	2,315108E+22
1104	2,487151E+22	2,558411E+22	2,564264E+22	2,564238E+22	2,558334E+22	2,487075E+22	2,315059E+22	2,088365E+22	1,922226E+22	1,922246E+22	2,088411E+22	2,315107E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1105	2,487101E+22	2,558298E+22	2,564128E+22	2,564165E+22	2,558349E+22	2,487115E+22	2,315083E+22	2,088370E+22	1,922212E+22	1,922203E+22	2,088355E+22	2,315070E+22
1106	2,487120E+22	2,558394E+22	2,564262E+22	2,564275E+22	2,558444E+22	2,487195E+22	2,315119E+22	2,088359E+22	1,922179E+22	1,922183E+22	2,088365E+22	2,315104E+22
1107	2,487143E+22	2,558370E+22	2,564200E+22	2,564172E+22	2,558297E+22	2,487078E+22	2,315072E+22	2,088349E+22	1,922167E+22	1,922156E+22	2,088323E+22	2,315052E+22
1108	2,487086E+22	2,558311E+22	2,564159E+22	2,564193E+22	2,558355E+22	2,487126E+22	2,315101E+22	2,088361E+22	1,922158E+22	1,922131E+22	2,088298E+22	2,315041E+22
1109	2,487112E+22	2,558401E+22	2,564262E+22	2,564268E+22	2,558406E+22	2,487126E+22	2,315061E+22	2,088324E+22	1,922153E+22	1,922164E+22	2,088349E+22	2,315068E+22
1110	2,487082E+22	2,558305E+22	2,564132E+22	2,564118E+22	2,558293E+22	2,487088E+22	2,315051E+22	2,088298E+22	1,922114E+22	1,922120E+22	2,088311E+22	2,315045E+22
1111	2,487067E+22	2,558299E+22	2,564172E+22	2,564210E+22	2,558389E+22	2,487167E+22	2,315101E+22	2,088311E+22	1,922096E+22	1,922093E+22	2,088300E+22	2,315079E+22
1112	2,487160E+22	2,558405E+22	2,564220E+22	2,564203E+22	2,558326E+22	2,487076E+22	2,315040E+22	2,088296E+22	1,922106E+22	1,922113E+22	2,088317E+22	2,315074E+22
1113	2,487116E+22	2,558321E+22	2,564106E+22	2,564103E+22	2,558291E+22	2,487072E+22	2,315040E+22	2,088306E+22	1,922119E+22	1,922099E+22	2,088271E+22	2,315016E+22
1114	2,487089E+22	2,558380E+22	2,564254E+22	2,564253E+22	2,558407E+22	2,487160E+22	2,315085E+22	2,088315E+22	1,922121E+22	1,922123E+22	2,088314E+22	2,315067E+22
1115	2,487123E+22	2,558375E+22	2,564233E+22	2,564219E+22	2,558318E+22	2,487060E+22	2,315033E+22	2,088309E+22	1,922139E+22	1,922149E+22	2,088329E+22	2,315050E+22
1116	2,487067E+22	2,558282E+22	2,564134E+22	2,564188E+22	2,558366E+22	2,487127E+22	2,315088E+22	2,088353E+22	1,922170E+22	1,922163E+22	2,088333E+22	2,315055E+22
1117	2,487095E+22	2,558371E+22	2,564245E+22	2,564271E+22	2,558436E+22	2,487175E+22	2,315107E+22	2,088369E+22	1,922208E+22	1,922224E+22	2,088401E+22	2,315113E+22
1118	2,487120E+22	2,558334E+22	2,564153E+22	2,564131E+22	2,558296E+22	2,487103E+22	2,315101E+22	2,088389E+22	1,922231E+22	1,922228E+22	2,088378E+22	2,315076E+22
1119	2,487086E+22	2,558312E+22	2,564172E+22	2,564193E+22	2,558361E+22	2,487156E+22	2,315151E+22	2,088440E+22	1,922270E+22	1,922248E+22	2,088382E+22	2,315092E+22
1120	2,487154E+22	2,558433E+22	2,564282E+22	2,564257E+22	2,558349E+22	2,487080E+22	2,315081E+22	2,088419E+22	1,922298E+22	1,922308E+22	2,088447E+22	2,315119E+22
1121	2,487113E+22	2,558334E+22	2,564163E+22	2,564151E+22	2,558298E+22	2,487061E+22	2,315064E+22	2,088413E+22	1,922303E+22	1,922298E+22	2,088416E+22	2,315076E+22
1122	2,487074E+22	2,558340E+22	2,564247E+22	2,564276E+22	2,558425E+22	2,487175E+22	2,315131E+22	2,088418E+22	1,922279E+22	1,922291E+22	2,088440E+22	2,315136E+22
1123	2,487153E+22	2,558390E+22	2,564251E+22	2,564251E+22	2,558351E+22	2,487086E+22	2,315077E+22	2,088393E+22	1,922260E+22	1,922274E+22	2,088425E+22	2,315111E+22
1124	2,487109E+22	2,558316E+22	2,564137E+22	2,564156E+22	2,558339E+22	2,487121E+22	2,315115E+22	2,088421E+22	1,922260E+22	1,922238E+22	2,088373E+22	2,315068E+22
1125	2,487100E+22	2,558390E+22	2,564272E+22	2,564269E+22	2,558414E+22	2,487168E+22	2,315129E+22	2,088415E+22	1,922259E+22	1,922253E+22	2,088397E+22	2,315100E+22
1126	2,487124E+22	2,558364E+22	2,564210E+22	2,564180E+22	2,558297E+22	2,487073E+22	2,315080E+22	2,088387E+22	1,922236E+22	1,922226E+22	2,088359E+22	2,315041E+22
1127	2,487051E+22	2,558285E+22	2,564154E+22	2,564198E+22	2,558367E+22	2,487132E+22	2,315113E+22	2,088398E+22	1,922226E+22	1,922207E+22	2,088349E+22	2,315052E+22
1128	2,487101E+22	2,558387E+22	2,564251E+22	2,564258E+22	2,558393E+22	2,487114E+22	2,315061E+22	2,088346E+22	1,922197E+22	1,922220E+22	2,088402E+22	2,315111E+22
1129	2,487104E+22	2,558310E+22	2,564128E+22	2,564113E+22	2,558284E+22	2,487072E+22	2,315052E+22	2,088338E+22	1,922176E+22	1,922173E+22	2,088341E+22	2,315058E+22
1130	2,487071E+22	2,558303E+22	2,564173E+22	2,564201E+22	2,558374E+22	2,487156E+22	2,315116E+22	2,088360E+22	1,922166E+22	1,922158E+22	2,088337E+22	2,315090E+22
1131	2,487159E+22	2,558407E+22	2,564241E+22	2,564227E+22	2,558329E+22	2,487061E+22	2,315040E+22	2,088327E+22	1,922163E+22	1,922169E+22	2,088343E+22	2,315067E+22
1132	2,487103E+22	2,558333E+22	2,564138E+22	2,564130E+22	2,558302E+22	2,487071E+22	2,315055E+22	2,088349E+22	1,922181E+22	1,922168E+22	2,088325E+22	2,315029E+22
1133	2,487057E+22	2,558350E+22	2,564254E+22	2,564269E+22	2,558418E+22	2,487157E+22	2,315093E+22	2,088361E+22	1,922203E+22	1,922210E+22	2,088379E+22	2,315099E+22
1134	2,487121E+22	2,558353E+22	2,564212E+22	2,564208E+22	2,558333E+22	2,487092E+22	2,315070E+22	2,088356E+22	1,922207E+22	1,922219E+22	2,088378E+22	2,315071E+22
1135	2,487067E+22	2,558273E+22	2,564118E+22	2,564164E+22	2,558356E+22	2,487142E+22	2,315134E+22	2,088424E+22	1,922254E+22	1,922236E+22	2,088373E+22	2,315070E+22
1136	2,487110E+22	2,558391E+22	2,564250E+22	2,564247E+22	2,558391E+22	2,487137E+22	2,315111E+22	2,088421E+22	1,922286E+22	1,922294E+22	2,088442E+22	2,315132E+22
1137	2,487134E+22	2,558358E+22	2,564183E+22	2,564139E+22	2,558270E+22	2,487058E+22	2,315086E+22	2,088439E+22	1,922325E+22	1,922311E+22	2,088416E+22	2,315068E+22
1138	2,487062E+22	2,558307E+22	2,564194E+22	2,564216E+22	2,558360E+22	2,487131E+22	2,315142E+22	2,088476E+22	1,922350E+22	1,922338E+22	2,088443E+22	2,315106E+22
1139	2,487131E+22	2,558406E+22	2,564289E+22	2,564294E+22	2,558379E+22	2,487080E+22	2,315072E+22	2,088432E+22	1,922343E+22	1,922365E+22	2,088488E+22	2,315135E+22
1140	2,487109E+22	2,558330E+22	2,564170E+22	2,564163E+22	2,558318E+22	2,487088E+22	2,315096E+22	2,088449E+22	1,922341E+22	1,922343E+22	2,088459E+22	2,315101E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1141	2,487069E+22	2,558323E+22	2,564236E+22	2,564269E+22	2,558417E+22	2,487175E+22	2,315157E+22	2,088475E+22	1,922348E+22	1,922346E+22	2,088471E+22	2,315152E+22
1142	2,487165E+22	2,558396E+22	2,564246E+22	2,564234E+22	2,558349E+22	2,487103E+22	2,315111E+22	2,088449E+22	1,922330E+22	1,922329E+22	2,088441E+22	2,315094E+22
1143	2,487090E+22	2,558317E+22	2,564151E+22	2,564151E+22	2,558325E+22	2,487117E+22	2,315142E+22	2,088482E+22	1,922343E+22	1,922313E+22	2,088405E+22	2,315054E+22
1144	2,487076E+22	2,558379E+22	2,564281E+22	2,564272E+22	2,558393E+22	2,487131E+22	2,315114E+22	2,088445E+22	1,922326E+22	1,922328E+22	2,088453E+22	2,315123E+22
1145	2,487115E+22	2,558348E+22	2,564210E+22	2,564191E+22	2,558303E+22	2,487055E+22	2,315062E+22	2,088413E+22	1,922303E+22	1,922299E+22	2,088412E+22	2,315064E+22
1146	2,487042E+22	2,558258E+22	2,564132E+22	2,564183E+22	2,558362E+22	2,487133E+22	2,315121E+22	2,088425E+22	1,922276E+22	1,922270E+22	2,088405E+22	2,315093E+22
1147	2,487118E+22	2,558375E+22	2,564240E+22	2,564254E+22	2,558386E+22	2,487105E+22	2,315067E+22	2,088370E+22	1,922232E+22	1,922251E+22	2,088421E+22	2,315127E+22
1148	2,487130E+22	2,558344E+22	2,564155E+22	2,564111E+22	2,558270E+22	2,487065E+22	2,315068E+22	2,088376E+22	1,922221E+22	1,922213E+22	2,088365E+22	2,315061E+22
1149	2,487062E+22	2,558308E+22	2,564198E+22	2,564213E+22	2,558358E+22	2,487129E+22	2,315116E+22	2,088407E+22	1,922242E+22	1,922227E+22	2,088371E+22	2,315090E+22
1150	2,487147E+22	2,558406E+22	2,564261E+22	2,564250E+22	2,558354E+22	2,487078E+22	2,315054E+22	2,088365E+22	1,922230E+22	1,922239E+22	2,088379E+22	2,315058E+22
1151	2,487070E+22	2,558311E+22	2,564144E+22	2,564143E+22	2,558323E+22	2,487095E+22	2,315085E+22	2,088401E+22	1,922258E+22	1,922247E+22	2,088371E+22	2,315037E+22
1152	2,487042E+22	2,558325E+22	2,564236E+22	2,564256E+22	2,558409E+22	2,487157E+22	2,315114E+22	2,088410E+22	1,922273E+22	1,922282E+22	2,088433E+22	2,315132E+22
1153	2,487135E+22	2,558352E+22	2,564206E+22	2,564198E+22	2,558320E+22	2,487078E+22	2,315084E+22	2,088422E+22	1,922300E+22	1,922295E+22	2,088415E+22	2,315079E+22
1154	2,487064E+22	2,558270E+22	2,564113E+22	2,564142E+22	2,558325E+22	2,487121E+22	2,315149E+22	2,088487E+22	1,922348E+22	1,922325E+22	2,088426E+22	2,315086E+22
1155	2,487106E+22	2,558386E+22	2,564268E+22	2,564262E+22	2,558375E+22	2,487106E+22	2,315104E+22	2,088458E+22	1,922357E+22	1,922367E+22	2,088485E+22	2,315140E+22
1156	2,487130E+22	2,558370E+22	2,564218E+22	2,564168E+22	2,558274E+22	2,487041E+22	2,315081E+22	2,088469E+22	1,922384E+22	1,922388E+22	2,088481E+22	2,315092E+22
1157	2,487043E+22	2,558284E+22	2,564198E+22	2,564235E+22	2,558371E+22	2,487125E+22	2,315137E+22	2,088506E+22	1,922418E+22	1,922417E+22	2,088506E+22	2,315142E+22
1158	2,487142E+22	2,558398E+22	2,564279E+22	2,564288E+22	2,558401E+22	2,487118E+22	2,315103E+22	2,088465E+22	1,922391E+22	1,922416E+22	2,088519E+22	2,315144E+22
1159	2,487110E+22	2,558331E+22	2,564171E+22	2,564153E+22	2,558315E+22	2,487107E+22	2,315140E+22	2,088512E+22	1,922411E+22	1,922395E+22	2,088474E+22	2,315095E+22
1160	2,487072E+22	2,558332E+22	2,564242E+22	2,564256E+22	2,558387E+22	2,487151E+22	2,315167E+22	2,088525E+22	1,922420E+22	1,922404E+22	2,088493E+22	2,315149E+22
1161	2,487159E+22	2,558403E+22	2,564268E+22	2,564248E+22	2,558336E+22	2,487072E+22	2,315105E+22	2,088500E+22	1,922417E+22	1,922403E+22	2,088471E+22	2,315078E+22
1162	2,487051E+22	2,558289E+22	2,564152E+22	2,564162E+22	2,558324E+22	2,487105E+22	2,315141E+22	2,088518E+22	1,922416E+22	1,922397E+22	2,088467E+22	2,315074E+22
1163	2,487053E+22	2,558337E+22	2,564268E+22	2,564284E+22	2,558404E+22	2,487132E+22	2,315110E+22	2,088456E+22	1,922363E+22	1,922380E+22	2,088499E+22	2,315151E+22
1164	2,487124E+22	2,558342E+22	2,564206E+22	2,564186E+22	2,558301E+22	2,487066E+22	2,315083E+22	2,088439E+22	1,922336E+22	1,922345E+22	2,088462E+22	2,315099E+22
1165	2,487055E+22	2,558254E+22	2,564123E+22	2,564169E+22	2,558342E+22	2,487118E+22	2,315130E+22	2,088468E+22	1,922339E+22	1,922324E+22	2,088438E+22	2,315116E+22
1166	2,487146E+22	2,558400E+22	2,564247E+22	2,564237E+22	2,558377E+22	2,487114E+22	2,315085E+22	2,088411E+22	1,922293E+22	1,922301E+22	2,088434E+22	2,315112E+22
1167	2,487120E+22	2,558360E+22	2,564191E+22	2,564128E+22	2,558264E+22	2,487062E+22	2,315089E+22	2,088431E+22	1,922299E+22	1,922281E+22	2,088389E+22	2,315047E+22
1168	2,487044E+22	2,558302E+22	2,564216E+22	2,564235E+22	2,558355E+22	2,487104E+22	2,315104E+22	2,088439E+22	1,922310E+22	1,922300E+22	2,088418E+22	2,315101E+22
1169	2,487132E+22	2,558386E+22	2,564261E+22	2,564267E+22	2,558370E+22	2,487077E+22	2,315056E+22	2,088407E+22	1,922307E+22	1,922314E+22	2,088427E+22	2,315070E+22
1170	2,487050E+22	2,558276E+22	2,564121E+22	2,564130E+22	2,558320E+22	2,487109E+22	2,315116E+22	2,088453E+22	1,922331E+22	1,922325E+22	2,088431E+22	2,315069E+22
1171	2,487046E+22	2,558304E+22	2,564220E+22	2,564242E+22	2,558387E+22	2,487146E+22	2,315129E+22	2,088455E+22	1,922336E+22	1,922339E+22	2,088465E+22	2,315145E+22
1172	2,487149E+22	2,558375E+22	2,564226E+22	2,564192E+22	2,558295E+22	2,487060E+22	2,315096E+22	2,088471E+22	1,922373E+22	1,922370E+22	2,088464E+22	2,315088E+22
1173	2,487055E+22	2,558270E+22	2,564135E+22	2,564156E+22	2,558305E+22	2,487083E+22	2,315135E+22	2,088531E+22	1,922438E+22	1,922417E+22	2,088483E+22	2,315101E+22
1174	2,487104E+22	2,558386E+22	2,564280E+22	2,564279E+22	2,558396E+22	2,487117E+22	2,315106E+22	2,088487E+22	1,922425E+22	1,922443E+22	2,088532E+22	2,315145E+22
1175	2,487111E+22	2,558358E+22	2,564232E+22	2,564191E+22	2,558298E+22	2,487067E+22	2,315109E+22	2,088513E+22	1,922450E+22	1,922455E+22	2,088522E+22	2,315109E+22
1176	2,487046E+22	2,558272E+22	2,564190E+22	2,564233E+22	2,558367E+22	2,487127E+22	2,315157E+22	2,088548E+22	1,922475E+22	1,922473E+22	2,088545E+22	2,315165E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1177	2,487156E+22	2,558405E+22	2,564281E+22	2,564287E+22	2,558397E+22	2,487117E+22	2,315127E+22	2,088531E+22	1,922474E+22	1,922477E+22	2,088542E+22	2,315137E+22
1178	2,487096E+22	2,558326E+22	2,564172E+22	2,564142E+22	2,558296E+22	2,487104E+22	2,315166E+22	2,088573E+22	1,922497E+22	1,922476E+22	2,088518E+22	2,315097E+22
1179	2,487051E+22	2,558312E+22	2,564249E+22	2,564268E+22	2,558372E+22	2,487129E+22	2,315166E+22	2,088563E+22	1,922486E+22	1,922473E+22	2,088532E+22	2,315149E+22
1180	2,487144E+22	2,558397E+22	2,564282E+22	2,564267E+22	2,558339E+22	2,487061E+22	2,315100E+22	2,088523E+22	1,922472E+22	1,922478E+22	2,088538E+22	2,315104E+22
1181	2,487036E+22	2,558257E+22	2,564132E+22	2,564159E+22	2,558319E+22	2,487094E+22	2,315135E+22	2,088541E+22	1,922473E+22	1,922467E+22	2,088529E+22	2,315120E+22
1182	2,487079E+22	2,558338E+22	2,564246E+22	2,564259E+22	2,558402E+22	2,487154E+22	2,315131E+22	2,088482E+22	1,922400E+22	1,922420E+22	2,088527E+22	2,315167E+22
1183	2,487143E+22	2,558364E+22	2,564219E+22	2,564177E+22	2,558281E+22	2,487062E+22	2,315107E+22	2,088486E+22	1,922391E+22	1,922383E+22	2,088468E+22	2,315094E+22
1184	2,487069E+22	2,558278E+22	2,564144E+22	2,564168E+22	2,558312E+22	2,487084E+22	2,315122E+22	2,088500E+22	1,922397E+22	1,922375E+22	2,088455E+22	2,315106E+22
1185	2,487139E+22	2,558417E+22	2,564285E+22	2,564270E+22	2,558379E+22	2,487090E+22	2,315076E+22	2,088451E+22	1,922367E+22	1,922367E+22	2,088457E+22	2,315085E+22
1186	2,487074E+22	2,558330E+22	2,564196E+22	2,564154E+22	2,558281E+22	2,487068E+22	2,315096E+22	2,088468E+22	1,922371E+22	1,922362E+22	2,088445E+22	2,315055E+22
1187	2,487009E+22	2,558253E+22	2,564199E+22	2,564249E+22	2,558371E+22	2,487121E+22	2,315121E+22	2,088469E+22	1,922363E+22	1,922360E+22	2,088462E+22	2,315118E+22
1188	2,487127E+22	2,558370E+22	2,564251E+22	2,564264E+22	2,558370E+22	2,487092E+22	2,315089E+22	2,088453E+22	1,922366E+22	1,922383E+22	2,088485E+22	2,315097E+22
1189	2,487051E+22	2,558259E+22	2,564101E+22	2,564111E+22	2,558292E+22	2,487094E+22	2,315133E+22	2,088515E+22	1,922421E+22	1,922409E+22	2,088485E+22	2,315097E+22
1190	2,487069E+22	2,558323E+22	2,564218E+22	2,564218E+22	2,558367E+22	2,487148E+22	2,315147E+22	2,088506E+22	1,922417E+22	1,922417E+22	2,088505E+22	2,315144E+22
1191	2,487143E+22	2,558389E+22	2,564257E+22	2,564208E+22	2,558282E+22	2,487044E+22	2,315107E+22	2,088524E+22	1,922461E+22	1,922457E+22	2,088511E+22	2,315097E+22
1192	2,487052E+22	2,558270E+22	2,564149E+22	2,564177E+22	2,558304E+22	2,487059E+22	2,315116E+22	2,088554E+22	1,922507E+22	1,922500E+22	2,088545E+22	2,315131E+22
1193	2,487110E+22	2,558384E+22	2,564288E+22	2,564299E+22	2,558411E+22	2,487119E+22	2,315112E+22	2,088526E+22	1,922493E+22	1,922512E+22	2,088578E+22	2,315161E+22
1194	2,487105E+22	2,558341E+22	2,564221E+22	2,564191E+22	2,558300E+22	2,487086E+22	2,315146E+22	2,088566E+22	1,922517E+22	1,922520E+22	2,088567E+22	2,315129E+22
1195	2,487048E+22	2,558266E+22	2,564190E+22	2,564232E+22	2,558353E+22	2,487123E+22	2,315179E+22	2,088598E+22	1,922536E+22	1,922520E+22	2,088561E+22	2,315157E+22
1196	2,487153E+22	2,558422E+22	2,564306E+22	2,564294E+22	2,558381E+22	2,487107E+22	2,315145E+22	2,088578E+22	1,922545E+22	1,922550E+22	2,088583E+22	2,315129E+22
1197	2,487068E+22	2,558311E+22	2,564181E+22	2,564157E+22	2,558282E+22	2,487078E+22	2,315163E+22	2,088618E+22	1,922582E+22	1,922565E+22	2,088575E+22	2,315110E+22
1198	2,487040E+22	2,558298E+22	2,564234E+22	2,564264E+22	2,558383E+22	2,487141E+22	2,315171E+22	2,088587E+22	1,922544E+22	1,922542E+22	2,088581E+22	2,315159E+22
1199	2,487127E+22	2,558380E+22	2,564276E+22	2,564269E+22	2,558344E+22	2,487075E+22	2,315125E+22	2,088562E+22	1,922528E+22	1,922535E+22	2,088577E+22	2,315131E+22
1200	2,487055E+22	2,558255E+22	2,564119E+22	2,564147E+22	2,558299E+22	2,487076E+22	2,315134E+22	2,088565E+22	1,922517E+22	1,922512E+22	2,088562E+22	2,315145E+22
1201	2,487105E+22	2,558360E+22	2,564254E+22	2,564255E+22	2,558381E+22	2,487131E+22	2,315137E+22	2,088528E+22	1,922462E+22	1,922466E+22	2,088541E+22	2,315156E+22
1202	2,487132E+22	2,558370E+22	2,564235E+22	2,564185E+22	2,558267E+22	2,487054E+22	2,315122E+22	2,088529E+22	1,922456E+22	1,922447E+22	2,088501E+22	2,315088E+22
1203	2,487042E+22	2,558267E+22	2,564167E+22	2,564198E+22	2,558308E+22	2,487065E+22	2,315118E+22	2,088526E+22	1,922449E+22	1,922431E+22	2,088485E+22	2,315096E+22
1204	2,487110E+22	2,558404E+22	2,564299E+22	2,564301E+22	2,558400E+22	2,487098E+22	2,315082E+22	2,088473E+22	1,922421E+22	1,922441E+22	2,088517E+22	2,315100E+22
1205	2,487048E+22	2,558290E+22	2,564170E+22	2,564154E+22	2,558288E+22	2,487077E+22	2,315112E+22	2,088505E+22	1,922437E+22	1,922440E+22	2,088508E+22	2,315095E+22
1206	2,487026E+22	2,558242E+22	2,564157E+22	2,564212E+22	2,558366E+22	2,487146E+22	2,315157E+22	2,088518E+22	1,922424E+22	1,922418E+22	2,088499E+22	2,315132E+22
1207	2,487135E+22	2,558381E+22	2,564252E+22	2,564248E+22	2,558344E+22	2,487085E+22	2,315122E+22	2,088521E+22	1,922449E+22	1,922447E+22	2,088512E+22	2,315106E+22
1208	2,487067E+22	2,558279E+22	2,564116E+22	2,564107E+22	2,558254E+22	2,487048E+22	2,315121E+22	2,088555E+22	1,922500E+22	1,922488E+22	2,088529E+22	2,315106E+22
1209	2,487072E+22	2,558344E+22	2,564253E+22	2,564246E+22	2,558355E+22	2,487111E+22	2,315138E+22	2,088551E+22	1,922500E+22	1,922500E+22	2,088553E+22	2,315142E+22
1210	2,487114E+22	2,558374E+22	2,564270E+22	2,564238E+22	2,558299E+22	2,487049E+22	2,315114E+22	2,088558E+22	1,922532E+22	1,922542E+22	2,088577E+22	2,315119E+22
1211	2,487033E+22	2,558246E+22	2,564152E+22	2,564197E+22	2,558318E+22	2,487073E+22	2,315135E+22	2,088585E+22	1,922557E+22	1,922555E+22	2,088585E+22	2,315148E+22
1212	2,487113E+22	2,558386E+22	2,564295E+22	2,564309E+22	2,558419E+22	2,487138E+22	2,315147E+22	2,088574E+22	1,922555E+22	1,922578E+22	2,088622E+22	2,315172E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1213	2,487101E+22	2,558333E+22	2,564211E+22	2,564183E+22	2,558286E+22	2,487081E+22	2,315173E+22	2,088634E+22	1,922609E+22	1,922600E+22	2,088609E+22	2,315140E+22
1214	2,487054E+22	2,558276E+22	2,564183E+22	2,564216E+22	2,558345E+22	2,487130E+22	2,315206E+22	2,088656E+22	1,922619E+22	1,922596E+22	2,088597E+22	2,315146E+22
1215	2,487124E+22	2,558418E+22	2,564327E+22	2,564313E+22	2,558372E+22	2,487091E+22	2,315156E+22	2,088632E+22	1,922628E+22	1,922629E+22	2,088628E+22	2,315140E+22
1216	2,487056E+22	2,558289E+22	2,564173E+22	2,564163E+22	2,558274E+22	2,487049E+22	2,315141E+22	2,088635E+22	1,922643E+22	1,922642E+22	2,088640E+22	2,315147E+22
1217	2,487048E+22	2,558293E+22	2,564227E+22	2,564261E+22	2,558376E+22	2,487131E+22	2,315176E+22	2,088616E+22	1,922593E+22	1,922598E+22	2,088625E+22	2,315181E+22
1218	2,487130E+22	2,558373E+22	2,564262E+22	2,564254E+22	2,558329E+22	2,487074E+22	2,315143E+22	2,088597E+22	1,922575E+22	1,922583E+22	2,088612E+22	2,315150E+22
1219	2,487061E+22	2,558267E+22	2,564133E+22	2,564146E+22	2,558278E+22	2,487056E+22	2,315136E+22	2,088593E+22	1,922556E+22	1,922541E+22	2,088567E+22	2,315135E+22
1220	2,487104E+22	2,558386E+22	2,564292E+22	2,564279E+22	2,558376E+22	2,487116E+22	2,315138E+22	2,088552E+22	1,922514E+22	1,922523E+22	2,088569E+22	2,315140E+22
1221	2,487097E+22	2,558351E+22	2,564246E+22	2,564215E+22	2,558277E+22	2,487042E+22	2,315123E+22	2,088565E+22	1,922525E+22	1,922519E+22	2,088547E+22	2,315094E+22
1222	2,487022E+22	2,558246E+22	2,564146E+22	2,564201E+22	2,558339E+22	2,487099E+22	2,315140E+22	2,088558E+22	1,922503E+22	1,922492E+22	2,088527E+22	2,315098E+22
1223	2,487080E+22	2,558375E+22	2,564286E+22	2,564302E+22	2,558408E+22	2,487123E+22	2,315127E+22	2,088530E+22	1,922486E+22	1,922499E+22	2,088555E+22	2,315124E+22
1224	2,487060E+22	2,558278E+22	2,564143E+22	2,564131E+22	2,558265E+22	2,487062E+22	2,315128E+22	2,088555E+22	1,922509E+22	1,922509E+22	2,088555E+22	2,315124E+22
1225	2,487050E+22	2,558265E+22	2,564159E+22	2,564191E+22	2,558329E+22	2,487117E+22	2,315173E+22	2,088583E+22	1,922511E+22	1,922492E+22	2,088536E+22	2,315135E+22
1226	2,487128E+22	2,558390E+22	2,564266E+22	2,564247E+22	2,558317E+22	2,487062E+22	2,315131E+22	2,088575E+22	1,922537E+22	1,922537E+22	2,088570E+22	2,315119E+22
1227	2,487050E+22	2,558281E+22	2,564149E+22	2,564138E+22	2,558247E+22	2,487015E+22	2,315104E+22	2,088580E+22	1,922563E+22	1,922559E+22	2,088578E+22	2,315119E+22
1228	2,487062E+22	2,558344E+22	2,564277E+22	2,564283E+22	2,558379E+22	2,487112E+22	2,315133E+22	2,088567E+22	1,922558E+22	1,922583E+22	2,088620E+22	2,315167E+22
1229	2,487102E+22	2,558350E+22	2,564260E+22	2,564252E+22	2,558316E+22	2,487065E+22	2,315138E+22	2,088600E+22	1,922597E+22	1,922615E+22	2,088634E+22	2,315155E+22
1230	2,487052E+22	2,558252E+22	2,564131E+22	2,564177E+22	2,558323E+22	2,487100E+22	2,315176E+22	2,088641E+22	1,922621E+22	1,922608E+22	2,088610E+22	2,315145E+22
1231	2,487103E+22	2,558394E+22	2,564308E+22	2,564309E+22	2,558406E+22	2,487139E+22	2,315188E+22	2,088650E+22	1,922644E+22	1,922641E+22	2,088640E+22	2,315167E+22
1232	2,487097E+22	2,558336E+22	2,564221E+22	2,564188E+22	2,558265E+22	2,487046E+22	2,315167E+22	2,088681E+22	1,922695E+22	1,922684E+22	2,088655E+22	2,315142E+22
1233	2,487039E+22	2,558274E+22	2,564194E+22	2,564227E+22	2,558333E+22	2,487100E+22	2,315203E+22	2,088703E+22	1,922700E+22	1,922680E+22	2,088649E+22	2,315149E+22
1234	2,487089E+22	2,558383E+22	2,564314E+22	2,564318E+22	2,558381E+22	2,487095E+22	2,315166E+22	2,088665E+22	1,922691E+22	1,922707E+22	2,088696E+22	2,315173E+22
1235	2,487044E+22	2,558268E+22	2,564168E+22	2,564162E+22	2,558268E+22	2,487044E+22	2,315146E+22	2,088654E+22	1,922675E+22	1,922683E+22	2,088676E+22	2,315174E+22
1236	2,487065E+22	2,558305E+22	2,564235E+22	2,564262E+22	2,558368E+22	2,487125E+22	2,315185E+22	2,088642E+22	1,922638E+22	1,922648E+22	2,088659E+22	2,315194E+22
1237	2,487135E+22	2,558379E+22	2,564264E+22	2,564249E+22	2,558317E+22	2,487063E+22	2,315155E+22	2,088639E+22	1,922638E+22	1,922640E+22	2,088640E+22	2,315156E+22
1238	2,487068E+22	2,558285E+22	2,564139E+22	2,564142E+22	2,558280E+22	2,487061E+22	2,315152E+22	2,088632E+22	1,922614E+22	1,922593E+22	2,088586E+22	2,315114E+22
1239	2,487069E+22	2,558377E+22	2,564316E+22	2,564310E+22	2,558389E+22	2,487114E+22	2,315155E+22	2,088602E+22	1,922582E+22	1,922580E+22	2,088598E+22	2,315145E+22
1240	2,487080E+22	2,558323E+22	2,564232E+22	2,564223E+22	2,558287E+22	2,487034E+22	2,315119E+22	2,088591E+22	1,922584E+22	1,922589E+22	2,088601E+22	2,315123E+22
1241	2,487025E+22	2,558235E+22	2,564128E+22	2,564182E+22	2,558326E+22	2,487098E+22	2,315168E+22	2,088610E+22	1,922565E+22	1,922552E+22	2,088571E+22	2,315118E+22
1242	2,487075E+22	2,558359E+22	2,564266E+22	2,564276E+22	2,558385E+22	2,487119E+22	2,315156E+22	2,088588E+22	1,922557E+22	1,922565E+22	2,088600E+22	2,315144E+22
1243	2,487060E+22	2,558289E+22	2,564158E+22	2,564121E+22	2,558230E+22	2,487027E+22	2,315125E+22	2,088594E+22	1,922573E+22	1,922567E+22	2,088584E+22	2,315127E+22
1244	2,487052E+22	2,558293E+22	2,564204E+22	2,564216E+22	2,558316E+22	2,487083E+22	2,315158E+22	2,088608E+22	1,922583E+22	1,922579E+22	2,088588E+22	2,315136E+22
1245	2,487105E+22	2,558379E+22	2,564281E+22	2,564274E+22	2,558327E+22	2,487046E+22	2,315123E+22	2,088607E+22	1,922612E+22	1,922624E+22	2,088633E+22	2,315143E+22
1246	2,487046E+22	2,558272E+22	2,564142E+22	2,564151E+22	2,558285E+22	2,487047E+22	2,315124E+22	2,088613E+22	1,922619E+22	1,922622E+22	2,088622E+22	2,315131E+22
1247	2,487046E+22	2,558330E+22	2,564282E+22	2,564301E+22	2,558399E+22	2,487136E+22	2,315177E+22	2,088628E+22	1,922624E+22	1,922634E+22	2,088649E+22	2,315188E+22
1248	2,487112E+22	2,558340E+22	2,564244E+22	2,564241E+22	2,558309E+22	2,487059E+22	2,315160E+22	2,088660E+22	1,922677E+22	1,922685E+22	2,088674E+22	2,315169E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1249	2,487061E+22	2,558268E+22	2,564139E+22	2,564162E+22	2,558298E+22	2,487089E+22	2,315210E+22	2,088717E+22	1,922714E+22	1,922688E+22	2,088647E+22	2,315137E+22
1250	2,487073E+22	2,558379E+22	2,564315E+22	2,564309E+22	2,558387E+22	2,487123E+22	2,315206E+22	2,088712E+22	1,922739E+22	1,922737E+22	2,088700E+22	2,315174E+22
1251	2,487066E+22	2,558320E+22	2,564236E+22	2,564201E+22	2,558256E+22	2,487016E+22	2,315152E+22	2,088709E+22	1,922762E+22	1,922762E+22	2,088712E+22	2,315166E+22
1252	2,487033E+22	2,558265E+22	2,564201E+22	2,564240E+22	2,558341E+22	2,487091E+22	2,315190E+22	2,088712E+22	1,922754E+22	1,922760E+22	2,088716E+22	2,315184E+22
1253	2,487092E+22	2,558362E+22	2,564292E+22	2,564305E+22	2,558377E+22	2,487096E+22	2,315180E+22	2,088697E+22	1,922742E+22	1,922763E+22	2,088744E+22	2,315215E+22
1254	2,487078E+22	2,558286E+22	2,564156E+22	2,564141E+22	2,558265E+22	2,487053E+22	2,315169E+22	2,088692E+22	1,922718E+22	1,922712E+22	2,088685E+22	2,315170E+22
1255	2,487066E+22	2,558328E+22	2,564268E+22	2,564273E+22	2,558357E+22	2,487115E+22	2,315206E+22	2,088695E+22	1,922699E+22	1,922683E+22	2,088660E+22	2,315184E+22
1256	2,487130E+22	2,558383E+22	2,564284E+22	2,564268E+22	2,558313E+22	2,487037E+22	2,315146E+22	2,088672E+22	1,922703E+22	1,922703E+22	2,088670E+22	2,315147E+22
1257	2,487047E+22	2,558283E+22	2,564158E+22	2,564160E+22	2,558285E+22	2,487054E+22	2,315163E+22	2,088676E+22	1,922680E+22	1,922661E+22	2,088625E+22	2,315107E+22
1258	2,487022E+22	2,558329E+22	2,564298E+22	2,564314E+22	2,558407E+22	2,487135E+22	2,315181E+22	2,088645E+22	1,922648E+22	1,922652E+22	2,088652E+22	2,315163E+22
1259	2,487059E+22	2,558297E+22	2,564220E+22	2,564211E+22	2,558279E+22	2,487033E+22	2,315134E+22	2,088629E+22	1,922636E+22	1,922640E+22	2,088640E+22	2,315149E+22
1260	2,487039E+22	2,558240E+22	2,564127E+22	2,564168E+22	2,558308E+22	2,487083E+22	2,315175E+22	2,088648E+22	1,922634E+22	1,922626E+22	2,088617E+22	2,315137E+22
1261	2,487081E+22	2,558359E+22	2,564263E+22	2,564260E+22	2,558361E+22	2,487099E+22	2,315165E+22	2,088639E+22	1,922637E+22	1,922644E+22	2,088651E+22	2,315168E+22
1262	2,487074E+22	2,558307E+22	2,564173E+22	2,564125E+22	2,558226E+22	2,487012E+22	2,315124E+22	2,088628E+22	1,922637E+22	1,922633E+22	2,088623E+22	2,315126E+22
1263	2,487030E+22	2,558290E+22	2,564236E+22	2,564254E+22	2,558333E+22	2,487074E+22	2,315158E+22	2,088646E+22	1,922650E+22	1,922643E+22	2,088632E+22	2,315160E+22
1264	2,487103E+22	2,558360E+22	2,564276E+22	2,564289E+22	2,558349E+22	2,487048E+22	2,315120E+22	2,088630E+22	1,922671E+22	1,922696E+22	2,088688E+22	2,315174E+22
1265	2,487058E+22	2,558274E+22	2,564139E+22	2,564139E+22	2,558277E+22	2,487057E+22	2,315164E+22	2,088672E+22	1,922685E+22	1,922681E+22	2,088658E+22	2,315140E+22
1266	2,487037E+22	2,558316E+22	2,564271E+22	2,564287E+22	2,558388E+22	2,487144E+22	2,315220E+22	2,088704E+22	1,922711E+22	1,922704E+22	2,088683E+22	2,315188E+22
1267	2,487098E+22	2,558348E+22	2,564265E+22	2,564238E+22	2,558284E+22	2,487033E+22	2,315167E+22	2,088714E+22	1,922758E+22	1,922755E+22	2,088703E+22	2,315164E+22
1268	2,487047E+22	2,558275E+22	2,564171E+22	2,564181E+22	2,558287E+22	2,487061E+22	2,315200E+22	2,088753E+22	1,922801E+22	1,922788E+22	2,088706E+22	2,315141E+22
1269	2,487043E+22	2,558347E+22	2,564309E+22	2,564318E+22	2,558392E+22	2,487114E+22	2,315206E+22	2,088750E+22	1,922816E+22	1,922827E+22	2,088772E+22	2,315209E+22
1270	2,487066E+22	2,558303E+22	2,564216E+22	2,564197E+22	2,558274E+22	2,487033E+22	2,315166E+22	2,088737E+22	1,922813E+22	1,922821E+22	2,088758E+22	2,315188E+22
1271	2,487034E+22	2,558260E+22	2,564206E+22	2,564247E+22	2,558344E+22	2,487097E+22	2,315216E+22	2,088761E+22	1,922810E+22	1,922801E+22	2,088743E+22	2,315214E+22
1272	2,487119E+22	2,558369E+22	2,564285E+22	2,564292E+22	2,558363E+22	2,487081E+22	2,315184E+22	2,088737E+22	1,922805E+22	1,922818E+22	2,088772E+22	2,315225E+22
1273	2,487095E+22	2,558316E+22	2,564184E+22	2,564138E+22	2,558239E+22	2,487039E+22	2,315193E+22	2,088748E+22	1,922787E+22	1,922770E+22	2,088704E+22	2,315152E+22
1274	2,487036E+22	2,558316E+22	2,564288E+22	2,564293E+22	2,558356E+22	2,487107E+22	2,315219E+22	2,088745E+22	1,922773E+22	1,922755E+22	2,088697E+22	2,315173E+22
1275	2,487089E+22	2,558362E+22	2,564300E+22	2,564289E+22	2,558323E+22	2,487025E+22	2,315135E+22	2,088693E+22	1,922757E+22	1,922765E+22	2,088713E+22	2,315159E+22
1276	2,487031E+22	2,558263E+22	2,564159E+22	2,564170E+22	2,558299E+22	2,487062E+22	2,315163E+22	2,088690E+22	1,922734E+22	1,922737E+22	2,088684E+22	2,315135E+22
1277	2,487018E+22	2,558295E+22	2,564260E+22	2,564284E+22	2,558394E+22	2,487141E+22	2,315205E+22	2,088688E+22	1,922706E+22	1,922714E+22	2,088701E+22	2,315200E+22
1278	2,487086E+22	2,558302E+22	2,564199E+22	2,564181E+22	2,558264E+22	2,487031E+22	2,315153E+22	2,088674E+22	1,922694E+22	1,922687E+22	2,088660E+22	2,315152E+22
1279	2,487043E+22	2,558259E+22	2,564158E+22	2,564179E+22	2,558288E+22	2,487056E+22	2,315177E+22	2,088695E+22	1,922703E+22	1,922677E+22	2,088638E+22	2,315144E+22
1280	2,487084E+22	2,558362E+22	2,564279E+22	2,564272E+22	2,558348E+22	2,487062E+22	2,315144E+22	2,088666E+22	1,922707E+22	1,922720E+22	2,088697E+22	2,315177E+22
1281	2,487068E+22	2,558311E+22	2,564197E+22	2,564146E+22	2,558231E+22	2,487011E+22	2,315136E+22	2,088666E+22	1,922699E+22	1,922701E+22	2,088667E+22	2,315131E+22
1282	2,487002E+22	2,558258E+22	2,564232E+22	2,564267E+22	2,558353E+22	2,487099E+22	2,315189E+22	2,088692E+22	1,922715E+22	1,922711E+22	2,088678E+22	2,315172E+22
1283	2,487090E+22	2,558349E+22	2,564277E+22	2,564286E+22	2,558349E+22	2,487055E+22	2,315144E+22	2,088678E+22	1,922733E+22	1,922751E+22	2,088719E+22	2,315187E+22
1284	2,487066E+22	2,558283E+22	2,564152E+22	2,564138E+22	2,558269E+22	2,487054E+22	2,315180E+22	2,088726E+22	1,922775E+22	1,922768E+22	2,088700E+22	2,315143E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1285	2,487025E+22	2,558301E+22	2,564264E+22	2,564273E+22	2,558368E+22	2,487135E+22	2,315243E+22	2,088772E+22	1,922812E+22	1,922800E+22	2,088738E+22	2,315200E+22
1286	2,487093E+22	2,558343E+22	2,564268E+22	2,564244E+22	2,558282E+22	2,487020E+22	2,315174E+22	2,088765E+22	1,922843E+22	1,922840E+22	2,088755E+22	2,315169E+22
1287	2,487024E+22	2,558260E+22	2,564189E+22	2,564208E+22	2,558295E+22	2,487049E+22	2,315199E+22	2,088794E+22	1,922874E+22	1,922862E+22	2,088766E+22	2,315182E+22
1288	2,487052E+22	2,558326E+22	2,564290E+22	2,564311E+22	2,558390E+22	2,487108E+22	2,315203E+22	2,088774E+22	1,922875E+22	1,922901E+22	2,088834E+22	2,315252E+22
1289	2,487097E+22	2,558319E+22	2,564220E+22	2,564182E+22	2,558250E+22	2,487033E+22	2,315197E+22	2,088783E+22	1,922865E+22	1,922870E+22	2,088788E+22	2,315200E+22
1290	2,487039E+22	2,558266E+22	2,564213E+22	2,564244E+22	2,558331E+22	2,487094E+22	2,315238E+22	2,088814E+22	1,922878E+22	1,922855E+22	2,088763E+22	2,315204E+22
1291	2,487110E+22	2,558391E+22	2,564322E+22	2,564304E+22	2,558348E+22	2,487058E+22	2,315178E+22	2,088769E+22	1,922864E+22	1,922870E+22	2,088788E+22	2,315209E+22
1292	2,487076E+22	2,558321E+22	2,564221E+22	2,564173E+22	2,558248E+22	2,487025E+22	2,315178E+22	2,088770E+22	1,922856E+22	1,922850E+22	2,088745E+22	2,315143E+22
1293	2,486996E+22	2,558271E+22	2,564270E+22	2,564305E+22	2,558377E+22	2,487121E+22	2,315233E+22	2,088780E+22	1,922837E+22	1,922828E+22	2,088753E+22	2,315194E+22
1294	2,487078E+22	2,558329E+22	2,564270E+22	2,564284E+22	2,558340E+22	2,487049E+22	2,315159E+22	2,088726E+22	1,922802E+22	1,922812E+22	2,088748E+22	2,315173E+22
1295	2,487026E+22	2,558245E+22	2,564148E+22	2,564163E+22	2,558288E+22	2,487065E+22	2,315190E+22	2,088742E+22	1,922790E+22	1,922777E+22	2,088714E+22	2,315166E+22
1296	2,487042E+22	2,558295E+22	2,564239E+22	2,564253E+22	2,558362E+22	2,487121E+22	2,315208E+22	2,088729E+22	1,922775E+22	1,922779E+22	2,088739E+22	2,315217E+22
1297	2,487108E+22	2,558333E+22	2,564221E+22	2,564166E+22	2,558220E+22	2,487006E+22	2,315167E+22	2,088721E+22	1,922763E+22	1,922754E+22	2,088693E+22	2,315146E+22
1298	2,487025E+22	2,558255E+22	2,564181E+22	2,564202E+22	2,558284E+22	2,487037E+22	2,315175E+22	2,088735E+22	1,922777E+22	1,922754E+22	2,088684E+22	2,315144E+22
1299	2,487062E+22	2,558358E+22	2,564302E+22	2,564298E+22	2,558358E+22	2,487050E+22	2,315126E+22	2,088680E+22	1,922759E+22	1,922782E+22	2,088742E+22	2,315195E+22
1300	2,487066E+22	2,558305E+22	2,564210E+22	2,564167E+22	2,558249E+22	2,487023E+22	2,315140E+22	2,088688E+22	1,922759E+22	1,922775E+22	2,088716E+22	2,315149E+22
1301	2,486998E+22	2,558234E+22	2,564209E+22	2,564253E+22	2,558350E+22	2,487117E+22	2,315229E+22	2,088753E+22	1,922788E+22	1,922776E+22	2,088719E+22	2,315189E+22
1302	2,487099E+22	2,558351E+22	2,564270E+22	2,564276E+22	2,558341E+22	2,487059E+22	2,315174E+22	2,088741E+22	1,922813E+22	1,922813E+22	2,088741E+22	2,315174E+22
1303	2,487050E+22	2,558289E+22	2,564182E+22	2,564159E+22	2,558256E+22	2,487038E+22	2,315196E+22	2,088791E+22	1,922866E+22	1,922845E+22	2,088741E+22	2,315152E+22
1304	2,487014E+22	2,558286E+22	2,564262E+22	2,564280E+22	2,558358E+22	2,487109E+22	2,315233E+22	2,088813E+22	1,922903E+22	1,922901E+22	2,088807E+22	2,315220E+22
1305	2,487086E+22	2,558336E+22	2,564274E+22	2,564249E+22	2,558276E+22	2,487021E+22	2,315191E+22	2,088807E+22	1,922916E+22	1,922924E+22	2,088818E+22	2,315193E+22
1306	2,487012E+22	2,558235E+22	2,564179E+22	2,564214E+22	2,558303E+22	2,487060E+22	2,315221E+22	2,088837E+22	1,922941E+22	1,922934E+22	2,088820E+22	2,315207E+22
1307	2,487059E+22	2,558333E+22	2,564294E+22	2,564304E+22	2,558375E+22	2,487098E+22	2,315211E+22	2,088810E+22	1,922930E+22	1,922952E+22	2,088866E+22	2,315271E+22
1308	2,487117E+22	2,558345E+22	2,564247E+22	2,564195E+22	2,558244E+22	2,487025E+22	2,315199E+22	2,088820E+22	1,922937E+22	1,922940E+22	2,088820E+22	2,315196E+22
1309	2,487030E+22	2,558265E+22	2,564221E+22	2,564246E+22	2,558319E+22	2,487087E+22	2,315255E+22	2,088862E+22	1,922951E+22	1,922926E+22	2,088800E+22	2,315200E+22
1310	2,487092E+22	2,558380E+22	2,564328E+22	2,564326E+22	2,558363E+22	2,487058E+22	2,315185E+22	2,088804E+22	1,922925E+22	1,922931E+22	2,088820E+22	2,315201E+22
1311	2,487044E+22	2,558297E+22	2,564228E+22	2,564205E+22	2,558270E+22	2,487033E+22	2,315186E+22	2,088801E+22	1,922909E+22	1,922903E+22	2,088791E+22	2,315174E+22
1312	2,486995E+22	2,558235E+22	2,564224E+22	2,564278E+22	2,558367E+22	2,487124E+22	2,315244E+22	2,088809E+22	1,922890E+22	1,922890E+22	2,088804E+22	2,315227E+22
1313	2,487099E+22	2,558334E+22	2,564253E+22	2,564249E+22	2,558300E+22	2,487046E+22	2,315197E+22	2,088778E+22	1,922857E+22	1,922860E+22	2,088775E+22	2,315183E+22
1314	2,487029E+22	2,558251E+22	2,564151E+22	2,564151E+22	2,558257E+22	2,487043E+22	2,315202E+22	2,088791E+22	1,922860E+22	1,922836E+22	2,088738E+22	2,315157E+22
1315	2,487038E+22	2,558322E+22	2,564273E+22	2,564258E+22	2,558329E+22	2,487078E+22	2,315187E+22	2,088752E+22	1,922834E+22	1,922839E+22	2,088768E+22	2,315211E+22
1316	2,487098E+22	2,558347E+22	2,564262E+22	2,564208E+22	2,558230E+22	2,486985E+22	2,315139E+22	2,088732E+22	1,922827E+22	1,922833E+22	2,088740E+22	2,315146E+22
1317	2,486996E+22	2,558225E+22	2,564173E+22	2,564220E+22	2,558307E+22	2,487055E+22	2,315188E+22	2,088764E+22	1,922835E+22	1,922823E+22	2,088737E+22	2,315164E+22
1318	2,487055E+22	2,558334E+22	2,564285E+22	2,564309E+22	2,558383E+22	2,487079E+22	2,315159E+22	2,088721E+22	1,922811E+22	1,922831E+22	2,088771E+22	2,315202E+22
1319	2,487060E+22	2,558296E+22	2,564211E+22	2,564181E+22	2,558254E+22	2,487036E+22	2,315178E+22	2,088754E+22	1,922831E+22	1,922829E+22	2,088750E+22	2,315171E+22
1320	2,487007E+22	2,558227E+22	2,564187E+22	2,564230E+22	2,558327E+22	2,487109E+22	2,315252E+22	2,088818E+22	1,922883E+22	1,922865E+22	2,088769E+22	2,315198E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1321	2,487100E+22	2,558365E+22	2,564287E+22	2,564268E+22	2,558304E+22	2,487045E+22	2,315205E+22	2,088808E+22	1,922907E+22	1,922906E+22	2,088795E+22	2,315175E+22
1322	2,487021E+22	2,558270E+22	2,564191E+22	2,564180E+22	2,558252E+22	2,487020E+22	2,315200E+22	2,088843E+22	1,922961E+22	1,922946E+22	2,088810E+22	2,315167E+22
1323	2,487001E+22	2,558281E+22	2,564267E+22	2,564286E+22	2,558354E+22	2,487093E+22	2,315217E+22	2,088831E+22	1,922965E+22	1,922982E+22	2,088874E+22	2,315260E+22
1324	2,487103E+22	2,558342E+22	2,564278E+22	2,564255E+22	2,558277E+22	2,487019E+22	2,315187E+22	2,088828E+22	1,922977E+22	1,922999E+22	2,088874E+22	2,315224E+22
1325	2,487027E+22	2,558234E+22	2,564165E+22	2,564200E+22	2,558292E+22	2,487065E+22	2,315248E+22	2,088886E+22	1,923003E+22	1,922989E+22	2,088855E+22	2,315226E+22
1326	2,487078E+22	2,558352E+22	2,564307E+22	2,564312E+22	2,558368E+22	2,487089E+22	2,315226E+22	2,088854E+22	1,922989E+22	1,922995E+22	2,088872E+22	2,315251E+22
1327	2,487099E+22	2,558354E+22	2,564286E+22	2,564234E+22	2,558247E+22	2,487013E+22	2,315209E+22	2,088865E+22	1,923001E+22	1,922992E+22	2,088845E+22	2,315192E+22
1328	2,487005E+22	2,558242E+22	2,564215E+22	2,564259E+22	2,558326E+22	2,487082E+22	2,315257E+22	2,088896E+22	1,923020E+22	1,923002E+22	2,088850E+22	2,315204E+22
1329	2,487067E+22	2,558362E+22	2,564321E+22	2,564322E+22	2,558359E+22	2,487075E+22	2,315218E+22	2,088844E+22	1,922981E+22	1,922993E+22	2,088863E+22	2,315209E+22
1330	2,487019E+22	2,558261E+22	2,564203E+22	2,564198E+22	2,558268E+22	2,487044E+22	2,315217E+22	2,088852E+22	1,922973E+22	1,922965E+22	2,088831E+22	2,315187E+22
1331	2,487000E+22	2,558241E+22	2,564210E+22	2,564251E+22	2,558334E+22	2,487101E+22	2,315247E+22	2,088844E+22	1,922946E+22	1,922942E+22	2,088836E+22	2,315244E+22
1332	2,487116E+22	2,558358E+22	2,564269E+22	2,564246E+22	2,558274E+22	2,487017E+22	2,315185E+22	2,088810E+22	1,922929E+22	1,922932E+22	2,088813E+22	2,315185E+22
1333	2,487022E+22	2,558254E+22	2,564161E+22	2,564155E+22	2,558239E+22	2,487022E+22	2,315203E+22	2,088826E+22	1,922925E+22	1,922907E+22	2,088784E+22	2,315166E+22
1334	2,487026E+22	2,558316E+22	2,564289E+22	2,564294E+22	2,558343E+22	2,487063E+22	2,315177E+22	2,088772E+22	1,922884E+22	1,922896E+22	2,088805E+22	2,315214E+22
1335	2,487076E+22	2,558333E+22	2,564278E+22	2,564252E+22	2,558263E+22	2,487001E+22	2,315149E+22	2,088755E+22	1,922869E+22	1,922883E+22	2,088789E+22	2,315180E+22
1336	2,486999E+22	2,558204E+22	2,564142E+22	2,564206E+22	2,558310E+22	2,487072E+22	2,315215E+22	2,088804E+22	1,922893E+22	1,922886E+22	2,088784E+22	2,315187E+22
1337	2,487066E+22	2,558343E+22	2,564279E+22	2,564284E+22	2,558357E+22	2,487093E+22	2,315213E+22	2,088790E+22	1,922884E+22	1,922890E+22	2,088798E+22	2,315200E+22
1338	2,487050E+22	2,558296E+22	2,564217E+22	2,564183E+22	2,558238E+22	2,487026E+22	2,315205E+22	2,088827E+22	1,922930E+22	1,922912E+22	2,088785E+22	2,315159E+22
1339	2,486993E+22	2,558241E+22	2,564202E+22	2,564229E+22	2,558298E+22	2,487072E+22	2,315243E+22	2,088862E+22	1,922969E+22	1,922955E+22	2,088824E+22	2,315208E+22
1340	2,487085E+22	2,558364E+22	2,564308E+22	2,564297E+22	2,558310E+22	2,487024E+22	2,315187E+22	2,088839E+22	1,922993E+22	1,923008E+22	2,088867E+22	2,315198E+22
1341	2,487004E+22	2,558244E+22	2,564178E+22	2,564183E+22	2,558258E+22	2,487026E+22	2,315212E+22	2,088876E+22	1,923025E+22	1,923026E+22	2,088878E+22	2,315206E+22
1342	2,487010E+22	2,558270E+22	2,564257E+22	2,564291E+22	2,558357E+22	2,487096E+22	2,315237E+22	2,088869E+22	1,923018E+22	1,923033E+22	2,088908E+22	2,315277E+22
1343	2,487113E+22	2,558355E+22	2,564294E+22	2,564274E+22	2,558284E+22	2,487023E+22	2,315210E+22	2,088877E+22	1,923034E+22	1,923044E+22	2,088903E+22	2,315243E+22
1344	2,487039E+22	2,558245E+22	2,564163E+22	2,564187E+22	2,558274E+22	2,487056E+22	2,315263E+22	2,088937E+22	1,923082E+22	1,923061E+22	2,088889E+22	2,315222E+22
1345	2,487068E+22	2,558366E+22	2,564334E+22	2,564318E+22	2,558346E+22	2,487085E+22	2,315259E+22	2,088913E+22	1,923066E+22	1,923065E+22	2,088905E+22	2,315236E+22
1346	2,487058E+22	2,558327E+22	2,564294E+22	2,564266E+22	2,558264E+22	2,487008E+22	2,315219E+22	2,088913E+22	1,923080E+22	1,923073E+22	2,088893E+22	2,315192E+22
1347	2,486980E+22	2,558224E+22	2,564199E+22	2,564252E+22	2,558324E+22	2,487077E+22	2,315255E+22	2,088918E+22	1,923073E+22	1,923069E+22	2,088905E+22	2,315233E+22
1348	2,487068E+22	2,558350E+22	2,564308E+22	2,564313E+22	2,558352E+22	2,487071E+22	2,315222E+22	2,088874E+22	1,923039E+22	1,923056E+22	2,088910E+22	2,315233E+22
1349	2,487025E+22	2,558254E+22	2,564181E+22	2,564168E+22	2,558241E+22	2,487033E+22	2,315236E+22	2,088896E+22	1,923032E+22	1,923019E+22	2,088867E+22	2,315205E+22
1350	2,487013E+22	2,558255E+22	2,564223E+22	2,564252E+22	2,558311E+22	2,487069E+22	2,315243E+22	2,088877E+22	1,923001E+22	1,922988E+22	2,088852E+22	2,315235E+22
1351	2,487106E+22	2,558372E+22	2,564307E+22	2,564285E+22	2,558280E+22	2,486997E+22	2,315176E+22	2,088834E+22	1,922978E+22	1,922983E+22	2,088851E+22	2,315197E+22
1352	2,487007E+22	2,558240E+22	2,564159E+22	2,564171E+22	2,558254E+22	2,487019E+22	2,315199E+22	2,088848E+22	1,922980E+22	1,922974E+22	2,088835E+22	2,315182E+22
1353	2,487015E+22	2,558307E+22	2,564291E+22	2,564298E+22	2,558351E+22	2,487091E+22	2,315217E+22	2,088810E+22	1,922931E+22	1,922946E+22	2,088841E+22	2,315224E+22
1354	2,487058E+22	2,558306E+22	2,564264E+22	2,564259E+22	2,558278E+22	2,487022E+22	2,315192E+22	2,088818E+22	1,922939E+22	1,922942E+22	2,088820E+22	2,315183E+22
1355	2,487002E+22	2,558216E+22	2,564133E+22	2,564183E+22	2,558288E+22	2,487063E+22	2,315236E+22	2,088859E+22	1,922969E+22	1,922954E+22	2,088821E+22	2,315196E+22
1356	2,487066E+22	2,558358E+22	2,564294E+22	2,564281E+22	2,558334E+22	2,487069E+22	2,315216E+22	2,088845E+22	1,922981E+22	1,922981E+22	2,088845E+22	2,315200E+22

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1357	2,487029E+22	2,558285E+22	2,564218E+22	2,564182E+22	2,558221E+22	2,487004E+22	2,315215E+22	2,088882E+22	1,923021E+22	1,923009E+22	2,088853E+22	2,315180E+22
1358	2,486980E+22	2,558225E+22	2,564210E+22	2,564254E+22	2,558302E+22	2,487046E+22	2,315229E+22	2,088890E+22	1,923038E+22	1,923033E+22	2,088881E+22	2,315231E+22
1359	2,487076E+22	2,558350E+22	2,564313E+22	2,564319E+22	2,558326E+22	2,487027E+22	2,315191E+22	2,088863E+22	1,923041E+22	1,923070E+22	2,088930E+22	2,315247E+22
1360	2,487022E+22	2,558238E+22	2,564158E+22	2,564164E+22	2,558249E+22	2,487030E+22	2,315234E+22	2,088917E+22	1,923083E+22	1,923087E+22	2,088924E+22	2,315235E+22
1361	2,487034E+22	2,558298E+22	2,564273E+22	2,564277E+22	2,558329E+22	2,487096E+22	2,315277E+22	2,088929E+22	1,923085E+22	1,923084E+22	2,088925E+22	2,315267E+22
1362	2,487100E+22	2,558364E+22	2,564321E+22	2,564296E+22	2,558284E+22	2,487014E+22	2,315231E+22	2,088940E+22	1,923122E+22	1,923116E+22	2,088922E+22	2,315215E+22
1363	2,487016E+22	2,558258E+22	2,564188E+22	2,564203E+22	2,558269E+22	2,487033E+22	2,315257E+22	2,088974E+22	1,923157E+22	1,923140E+22	2,088933E+22	2,315216E+22
1364	2,487034E+22	2,558346E+22	2,564346E+22	2,564346E+22	2,558366E+22	2,487080E+22	2,315252E+22	2,088947E+22	1,923144E+22	1,923149E+22	2,088961E+22	2,315245E+22
1365	2,487026E+22	2,558283E+22	2,564263E+22	2,564258E+22	2,558275E+22	2,487027E+22	2,315247E+22	2,088956E+22	1,923143E+22	1,923143E+22	2,088952E+22	2,315226E+22
1366	2,486980E+22	2,558198E+22	2,564175E+22	2,564240E+22	2,558314E+22	2,487070E+22	2,315273E+22	2,088959E+22	1,923124E+22	1,923115E+22	2,088937E+22	2,315253E+22
1367	2,487078E+22	2,558354E+22	2,564309E+22	2,564309E+22	2,558343E+22	2,487063E+22	2,315236E+22	2,088914E+22	1,923089E+22	1,923103E+22	2,088948E+22	2,315262E+22
1368	2,487041E+22	2,558266E+22	2,564181E+22	2,564147E+22	2,558211E+22	2,487010E+22	2,315239E+22	2,088933E+22	1,923095E+22	1,923084E+22	2,088907E+22	2,315216E+22
1369	2,487015E+22	2,558276E+22	2,564255E+22	2,564258E+22	2,558291E+22	2,487053E+22	2,315253E+22	2,088913E+22	1,923058E+22	1,923047E+22	2,088886E+22	2,315233E+22
1370	2,487081E+22	2,558357E+22	2,564324E+22	2,564322E+22	2,558310E+22	2,486998E+22	2,315178E+22	2,088866E+22	1,923039E+22	1,923047E+22	2,088887E+22	2,315201E+22
1371	2,487001E+22	2,558238E+22	2,564152E+22	2,564166E+22	2,558260E+22	2,487022E+22	2,315204E+22	2,088869E+22	1,923025E+22	1,923028E+22	2,088877E+22	2,315206E+22
1372	2,487018E+22	2,558303E+22	2,564288E+22	2,564295E+22	2,558352E+22	2,487093E+22	2,315237E+22	2,088860E+22	1,922998E+22	1,923002E+22	2,088871E+22	2,315232E+22
1373	2,487055E+22	2,558301E+22	2,564253E+22	2,564238E+22	2,558260E+22	2,487017E+22	2,315222E+22	2,088882E+22	1,923017E+22	1,923006E+22	2,088852E+22	2,315187E+22
1374	2,486993E+22	2,558214E+22	2,564148E+22	2,564185E+22	2,558263E+22	2,487031E+22	2,315238E+22	2,088909E+22	1,923048E+22	1,923024E+22	2,088851E+22	2,315188E+22
1375	2,487042E+22	2,558351E+22	2,564319E+22	2,564311E+22	2,558342E+22	2,487052E+22	2,315212E+22	2,088880E+22	1,923048E+22	1,923060E+22	2,088909E+22	2,315224E+22
1376	2,487012E+22	2,558262E+22	2,564207E+22	2,564182E+22	2,558225E+22	2,486997E+22	2,315212E+22	2,088913E+22	1,923093E+22	1,923097E+22	2,088923E+22	2,315214E+22
1377	2,486982E+22	2,558221E+22	2,564211E+22	2,564246E+22	2,558297E+22	2,487059E+22	2,315260E+22	2,088933E+22	1,923098E+22	1,923097E+22	2,088929E+22	2,315255E+22
1378	2,487077E+22	2,558341E+22	2,564312E+22	2,564328E+22	2,558336E+22	2,487035E+22	2,315222E+22	2,088924E+22	1,923118E+22	1,923133E+22	2,088960E+22	2,315255E+22
1379	2,487038E+22	2,558265E+22	2,564168E+22	2,564152E+22	2,558231E+22	2,487016E+22	2,315246E+22	2,088967E+22	1,923158E+22	1,923154E+22	2,088958E+22	2,315240E+22
1380	2,487033E+22	2,558316E+22	2,564304E+22	2,564294E+22	2,558322E+22	2,487077E+22	2,315282E+22	2,088985E+22	1,923176E+22	1,923165E+22	2,088962E+22	2,315257E+22
1381	2,487069E+22	2,558346E+22	2,564329E+22	2,564312E+22	2,558289E+22	2,487008E+22	2,315246E+22	2,088995E+22	1,923208E+22	1,923204E+22	2,088980E+22	2,315225E+22
1382	2,486986E+22	2,558225E+22	2,564190E+22	2,564226E+22	2,558283E+22	2,487028E+22	2,315255E+22	2,089004E+22	1,923221E+22	1,923212E+22	2,088985E+22	2,315236E+22
1383	2,487019E+22	2,558315E+22	2,564331E+22	2,564351E+22	2,558384E+22	2,487097E+22	2,315268E+22	2,088973E+22	1,923186E+22	1,923207E+22	2,089022E+22	2,315292E+22
1384	2,487041E+22	2,558268E+22	2,564228E+22	2,564218E+22	2,558251E+22	2,487024E+22	2,315269E+22	2,089002E+22	1,923202E+22	1,923200E+22	2,088996E+22	2,315259E+22
1385	2,487010E+22	2,558225E+22	2,564185E+22	2,564210E+22	2,558272E+22	2,487054E+22	2,315294E+22	2,089008E+22	1,923185E+22	1,923162E+22	2,088955E+22	2,315253E+22
1386	2,487078E+22	2,558365E+22	2,564335E+22	2,564322E+22	2,558331E+22	2,487039E+22	2,315238E+22	2,088959E+22	1,923160E+22	1,923163E+22	2,088966E+22	2,315246E+22
1387	2,487035E+22	2,558287E+22	2,564212E+22	2,564165E+22	2,558206E+22	2,486983E+22	2,315219E+22	2,088949E+22	1,923147E+22	1,923145E+22	2,088946E+22	2,315220E+22
1388	2,486998E+22	2,558270E+22	2,564277E+22	2,564290E+22	2,558312E+22	2,487048E+22	2,315241E+22	2,088933E+22	1,923113E+22	1,923105E+22	2,088922E+22	2,315237E+22
1389	2,487056E+22	2,558324E+22	2,564305E+22	2,564321E+22	2,558329E+22	2,487024E+22	2,315209E+22	2,088908E+22	1,923092E+22	1,923100E+22	2,088924E+22	2,315218E+22
1390	2,486996E+22	2,558217E+22	2,564145E+22	2,564167E+22	2,558259E+22	2,487023E+22	2,315225E+22	2,088915E+22	1,923082E+22	1,923073E+22	2,088898E+22	2,315208E+22
1391	2,487013E+22	2,558293E+22	2,564286E+22	2,564292E+22	2,558348E+22	2,487093E+22	2,315257E+22	2,088910E+22	1,923064E+22	1,923064E+22	2,088912E+22	2,315244E+22
1392	2,487047E+22	2,558294E+22	2,564248E+22	2,564217E+22	2,558231E+22	2,486999E+22	2,315236E+22	2,088940E+22	1,923107E+22	1,923096E+22	2,088908E+22	2,315202E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1393	2,486986E+22	2,558217E+22	2,564168E+22	2,564185E+22	2,558241E+22	2,487010E+22	2,315244E+22	2,088955E+22	1,923127E+22	1,923108E+22	2,088908E+22	2,315202E+22
1394	2,487023E+22	2,558326E+22	2,564322E+22	2,564333E+22	2,558360E+22	2,487051E+22	2,315214E+22	2,088918E+22	1,923125E+22	1,923145E+22	2,088964E+22	2,315249E+22
1395	2,487025E+22	2,558266E+22	2,564201E+22	2,564172E+22	2,558220E+22	2,486993E+22	2,315213E+22	2,088935E+22	1,923146E+22	1,923164E+22	2,088978E+22	2,315251E+22
1396	2,487004E+22	2,558235E+22	2,564222E+22	2,564246E+22	2,558289E+22	2,487048E+22	2,315269E+22	2,088983E+22	1,923170E+22	1,923156E+22	2,088960E+22	2,315265E+22
1397	2,487082E+22	2,558349E+22	2,564320E+22	2,564324E+22	2,558329E+22	2,487034E+22	2,315248E+22	2,088988E+22	1,923201E+22	1,923201E+22	2,088990E+22	2,315253E+22
1398	2,487026E+22	2,558266E+22	2,564202E+22	2,564180E+22	2,558225E+22	2,486995E+22	2,315249E+22	2,089015E+22	1,923237E+22	1,923225E+22	2,088987E+22	2,315227E+22
1399	2,487000E+22	2,558296E+22	2,564325E+22	2,564333E+22	2,558349E+22	2,487081E+22	2,315290E+22	2,089024E+22	1,923243E+22	1,923244E+22	2,089023E+22	2,315271E+22
1400	2,487042E+22	2,558311E+22	2,564309E+22	2,564306E+22	2,558297E+22	2,487023E+22	2,315265E+22	2,089039E+22	1,923281E+22	1,923287E+22	2,089046E+22	2,315257E+22
1401	2,486984E+22	2,558208E+22	2,564175E+22	2,564201E+22	2,558269E+22	2,487046E+22	2,315294E+22	2,089055E+22	1,923283E+22	1,923273E+22	2,089030E+22	2,315260E+22
1402	2,487024E+22	2,558302E+22	2,564317E+22	2,564340E+22	2,558377E+22	2,487099E+22	2,315295E+22	2,089033E+22	1,923261E+22	1,923267E+22	2,089047E+22	2,315302E+22
1403	2,487069E+22	2,558298E+22	2,564232E+22	2,564191E+22	2,558212E+22	2,486993E+22	2,315263E+22	2,089036E+22	1,923267E+22	1,923264E+22	2,089031E+22	2,315269E+22
1404	2,487020E+22	2,558250E+22	2,564221E+22	2,564226E+22	2,558251E+22	2,487014E+22	2,315278E+22	2,089045E+22	1,923257E+22	1,923227E+22	2,088987E+22	2,315248E+22
1405	2,487058E+22	2,558358E+22	2,564352E+22	2,564346E+22	2,558338E+22	2,487024E+22	2,315230E+22	2,088988E+22	1,923220E+22	1,923229E+22	2,089009E+22	2,315252E+22
1406	2,487009E+22	2,558259E+22	2,564224E+22	2,564197E+22	2,558224E+22	2,486981E+22	2,315209E+22	2,088959E+22	1,923186E+22	1,923192E+22	2,088979E+22	2,315230E+22
1407	2,486985E+22	2,558243E+22	2,564268E+22	2,564302E+22	2,558338E+22	2,487078E+22	2,315265E+22	2,088955E+22	1,923142E+22	1,923146E+22	2,088962E+22	2,315259E+22
1408	2,487057E+22	2,558309E+22	2,564278E+22	2,564289E+22	2,558310E+22	2,487033E+22	2,315242E+22	2,088962E+22	1,923155E+22	1,923154E+22	2,088955E+22	2,315230E+22
1409	2,487004E+22	2,558230E+22	2,564153E+22	2,564141E+22	2,558224E+22	2,487017E+22	2,315252E+22	2,088976E+22	1,923160E+22	1,923135E+22	2,088920E+22	2,315199E+22
1410	2,486996E+22	2,558285E+22	2,564297E+22	2,564304E+22	2,558340E+22	2,487076E+22	2,315264E+22	2,088966E+22	1,923155E+22	1,923147E+22	2,088945E+22	2,315236E+22
1411	2,487039E+22	2,558295E+22	2,564255E+22	2,564222E+22	2,558220E+22	2,486973E+22	2,315218E+22	2,088965E+22	1,923179E+22	1,923184E+22	2,088973E+22	2,315226E+22
1412	2,486979E+22	2,558207E+22	2,564179E+22	2,564205E+22	2,558249E+22	2,486998E+22	2,315236E+22	2,088987E+22	1,923196E+22	1,923182E+22	2,088965E+22	2,315229E+22
1413	2,487021E+22	2,558306E+22	2,564307E+22	2,564327E+22	2,558362E+22	2,487062E+22	2,315241E+22	2,088966E+22	1,923190E+22	1,923211E+22	2,089014E+22	2,315277E+22
1414	2,487034E+22	2,558264E+22	2,564214E+22	2,564182E+22	2,558214E+22	2,486987E+22	2,315229E+22	2,088982E+22	1,923210E+22	1,923218E+22	2,089004E+22	2,315258E+22
1415	2,487011E+22	2,558248E+22	2,564243E+22	2,564260E+22	2,558295E+22	2,487056E+22	2,315290E+22	2,089028E+22	1,923237E+22	1,923225E+22	2,089001E+22	2,315267E+22
1416	2,487071E+22	2,558349E+22	2,564330E+22	2,564322E+22	2,558315E+22	2,487030E+22	2,315270E+22	2,089050E+22	1,923294E+22	1,923292E+22	2,089042E+22	2,315258E+22
1417	2,487010E+22	2,558261E+22	2,564221E+22	2,564193E+22	2,558224E+22	2,486996E+22	2,315265E+22	2,089068E+22	1,923323E+22	1,923310E+22	2,089040E+22	2,315236E+22
1418	2,486975E+22	2,558257E+22	2,564309E+22	2,564347E+22	2,558369E+22	2,487095E+22	2,315308E+22	2,089073E+22	1,923325E+22	1,923327E+22	2,089073E+22	2,315293E+22
1419	2,487053E+22	2,558304E+22	2,564287E+22	2,564281E+22	2,558279E+22	2,487019E+22	2,315278E+22	2,089074E+22	1,923341E+22	1,923356E+22	2,089102E+22	2,315294E+22
1420	2,487009E+22	2,558223E+22	2,564182E+22	2,564189E+22	2,558236E+22	2,487013E+22	2,315295E+22	2,089104E+22	1,923352E+22	1,923328E+22	2,089058E+22	2,315269E+22
1421	2,487030E+22	2,558314E+22	2,564323E+22	2,564327E+22	2,558346E+22	2,487076E+22	2,315301E+22	2,089079E+22	1,923332E+22	1,923330E+22	2,089076E+22	2,315299E+22
1422	2,487057E+22	2,558305E+22	2,564273E+22	2,564227E+22	2,558203E+22	2,486960E+22	2,315241E+22	2,089052E+22	1,923318E+22	1,923317E+22	2,089054E+22	2,315257E+22
1423	2,486996E+22	2,558240E+22	2,564244E+22	2,564269E+22	2,558283E+22	2,487018E+22	2,315266E+22	2,089049E+22	1,923291E+22	1,923283E+22	2,089033E+22	2,315255E+22
1424	2,487033E+22	2,558327E+22	2,564334E+22	2,564347E+22	2,558355E+22	2,487050E+22	2,315252E+22	2,089018E+22	1,923270E+22	1,923285E+22	2,089053E+22	2,315273E+22
1425	2,487006E+22	2,558244E+22	2,564213E+22	2,564187E+22	2,558224E+22	2,487009E+22	2,315249E+22	2,089007E+22	1,923238E+22	1,923235E+22	2,089003E+22	2,315237E+22
1426	2,486979E+22	2,558222E+22	2,564246E+22	2,564294E+22	2,558338E+22	2,487092E+22	2,315303E+22	2,089021E+22	1,923220E+22	1,923204E+22	2,088978E+22	2,315253E+22
1427	2,487066E+22	2,558321E+22	2,564274E+22	2,564262E+22	2,558274E+22	2,487013E+22	2,315251E+22	2,089008E+22	1,923232E+22	1,923230E+22	2,088999E+22	2,315237E+22
1428	2,487001E+22	2,558240E+22	2,564176E+22	2,564150E+22	2,558194E+22	2,486974E+22	2,315243E+22	2,089026E+22	1,923246E+22	1,923218E+22	2,088970E+22	2,315205E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1429	2,486978E+22	2,558269E+22	2,564296E+22	2,564312E+22	2,558336E+22	2,487061E+22	2,315260E+22	2,089004E+22	1,923232E+22	1,923235E+22	2,089011E+22	2,315262E+22
1430	2,487029E+22	2,558275E+22	2,564261E+22	2,564243E+22	2,558226E+22	2,486963E+22	2,315205E+22	2,088977E+22	1,923227E+22	1,923247E+22	2,089026E+22	2,315257E+22
1431	2,486992E+22	2,558203E+22	2,564178E+22	2,564216E+22	2,558263E+22	2,487014E+22	2,315251E+22	2,089008E+22	1,923234E+22	1,923236E+22	2,089015E+22	2,315259E+22
1432	2,487038E+22	2,558316E+22	2,564303E+22	2,564309E+22	2,558341E+22	2,487064E+22	2,315271E+22	2,089025E+22	1,923263E+22	1,923272E+22	2,089047E+22	2,315288E+22
1433	2,487045E+22	2,558289E+22	2,564242E+22	2,564185E+22	2,558196E+22	2,486986E+22	2,315255E+22	2,089045E+22	1,923295E+22	1,923287E+22	2,089027E+22	2,315239E+22
1434	2,486986E+22	2,558242E+22	2,564265E+22	2,564294E+22	2,558309E+22	2,487058E+22	2,315310E+22	2,089092E+22	1,923335E+22	1,923313E+22	2,089033E+22	2,315250E+22
1435	2,487048E+22	2,558339E+22	2,564334E+22	2,564332E+22	2,558316E+22	2,487022E+22	2,315270E+22	2,089087E+22	1,923374E+22	1,923385E+22	2,089108E+22	2,315277E+22
1436	2,486993E+22	2,558239E+22	2,564218E+22	2,564205E+22	2,558225E+22	2,486991E+22	2,315278E+22	2,089119E+22	1,923401E+22	1,923389E+22	2,089098E+22	2,315262E+22
1437	2,486970E+22	2,558231E+22	2,564278E+22	2,564329E+22	2,558359E+22	2,487099E+22	2,315336E+22	2,089127E+22	1,923398E+22	1,923398E+22	2,089125E+22	2,315319E+22
1438	2,487057E+22	2,558299E+22	2,564287E+22	2,564275E+22	2,558253E+22	2,486994E+22	2,315277E+22	2,089110E+22	1,923402E+22	1,923413E+22	2,089135E+22	2,315306E+22
1439	2,487019E+22	2,558240E+22	2,564200E+22	2,564197E+22	2,558228E+22	2,487002E+22	2,315295E+22	2,089126E+22	1,923402E+22	1,923391E+22	2,089103E+22	2,315276E+22
1440	2,487024E+22	2,558320E+22	2,564339E+22	2,564331E+22	2,558326E+22	2,487056E+22	2,315303E+22	2,089115E+22	1,923397E+22	1,923400E+22	2,089122E+22	2,315308E+22
1441	2,487045E+22	2,558302E+22	2,564291E+22	2,564252E+22	2,558217E+22	2,486965E+22	2,315243E+22	2,089077E+22	1,923370E+22	1,923374E+22	2,089089E+22	2,315261E+22
1442	2,486976E+22	2,558212E+22	2,564232E+22	2,564289E+22	2,558316E+22	2,487048E+22	2,315290E+22	2,089081E+22	1,923341E+22	1,923333E+22	2,089057E+22	2,315262E+22
1443	2,487041E+22	2,558320E+22	2,564310E+22	2,564322E+22	2,558340E+22	2,487058E+22	2,315276E+22	2,089054E+22	1,923317E+22	1,923333E+22	2,089086E+22	2,315290E+22
1444	2,487018E+22	2,558254E+22	2,564214E+22	2,564177E+22	2,558194E+22	2,486985E+22	2,315269E+22	2,089070E+22	1,923310E+22	1,923287E+22	2,089023E+22	2,315234E+22
1445	2,486972E+22	2,558221E+22	2,564240E+22	2,564278E+22	2,558307E+22	2,487070E+22	2,315317E+22	2,089078E+22	1,923303E+22	1,923280E+22	2,089016E+22	2,315248E+22
1446	2,487039E+22	2,558312E+22	2,564298E+22	2,564287E+22	2,558256E+22	2,486976E+22	2,315233E+22	2,089034E+22	1,923297E+22	1,923304E+22	2,089046E+22	2,315242E+22
1447	2,486984E+22	2,558229E+22	2,564188E+22	2,564181E+22	2,558214E+22	2,486972E+22	2,315231E+22	2,089030E+22	1,923290E+22	1,923293E+22	2,089038E+22	2,315230E+22
1448	2,486969E+22	2,558252E+22	2,564282E+22	2,564304E+22	2,558331E+22	2,487069E+22	2,315279E+22	2,089038E+22	1,923291E+22	1,923303E+22	2,089069E+22	2,315298E+22
1449	2,487045E+22	2,558281E+22	2,564262E+22	2,564242E+22	2,558228E+22	2,486980E+22	2,315234E+22	2,089024E+22	1,923287E+22	1,923299E+22	2,089055E+22	2,315269E+22
1450	2,487000E+22	2,558208E+22	2,564180E+22	2,564223E+22	2,558269E+22	2,487026E+22	2,315285E+22	2,089073E+22	1,923317E+22	1,923299E+22	2,089030E+22	2,315252E+22
1451	2,487046E+22	2,558336E+22	2,564317E+22	2,564305E+22	2,558319E+22	2,487053E+22	2,315289E+22	2,089081E+22	1,923350E+22	1,923356E+22	2,089092E+22	2,315289E+22
1452	2,487031E+22	2,558295E+22	2,564276E+22	2,564218E+22	2,558185E+22	2,486953E+22	2,315260E+22	2,089109E+22	1,923390E+22	1,923376E+22	2,089078E+22	2,315238E+22
1453	2,486951E+22	2,558208E+22	2,564250E+22	2,564303E+22	2,558317E+22	2,487058E+22	2,315322E+22	2,089142E+22	1,923425E+22	1,923412E+22	2,089105E+22	2,315271E+22
1454	2,487019E+22	2,558303E+22	2,564325E+22	2,564342E+22	2,558319E+22	2,487022E+22	2,315274E+22	2,089112E+22	1,923432E+22	1,923458E+22	2,089169E+22	2,315311E+22
1455	2,487003E+22	2,558232E+22	2,564204E+22	2,564197E+22	2,558222E+22	2,486995E+22	2,315292E+22	2,089143E+22	1,923447E+22	1,923452E+22	2,089154E+22	2,315293E+22
1456	2,486988E+22	2,558242E+22	2,564269E+22	2,564296E+22	2,558318E+22	2,487081E+22	2,315356E+22	2,089183E+22	1,923472E+22	1,923462E+22	2,089162E+22	2,315336E+22
1457	2,487073E+22	2,558328E+22	2,564312E+22	2,564280E+22	2,558236E+22	2,486977E+22	2,315280E+22	2,089151E+22	1,923469E+22	1,923471E+22	2,089157E+22	2,315296E+22
1458	2,487003E+22	2,558242E+22	2,564225E+22	2,564235E+22	2,558247E+22	2,486999E+22	2,315299E+22	2,089162E+22	1,923467E+22	1,923452E+22	2,089125E+22	2,315267E+22
1459	2,487010E+22	2,558314E+22	2,564344E+22	2,564345E+22	2,558335E+22	2,487057E+22	2,315305E+22	2,089135E+22	1,923446E+22	1,923462E+22	2,089169E+22	2,315323E+22
1460	2,487032E+22	2,558287E+22	2,564293E+22	2,564268E+22	2,558224E+22	2,486968E+22	2,315268E+22	2,089123E+22	1,923423E+22	1,923422E+22	2,089121E+22	2,315269E+22
1461	2,486964E+22	2,558189E+22	2,564201E+22	2,564271E+22	2,558312E+22	2,487063E+22	2,315329E+22	2,089141E+22	1,923409E+22	1,923390E+22	2,089090E+22	2,315267E+22
1462	2,487024E+22	2,558311E+22	2,564309E+22	2,564314E+22	2,558319E+22	2,487041E+22	2,315285E+22	2,089095E+22	1,923380E+22	1,923389E+22	2,089113E+22	2,315291E+22
1463	2,487014E+22	2,558261E+22	2,564224E+22	2,564179E+22	2,558181E+22	2,486969E+22	2,315271E+22	2,089098E+22	1,923371E+22	1,923363E+22	2,089076E+22	2,315241E+22
1464	2,486958E+22	2,558217E+22	2,564244E+22	2,564272E+22	2,558279E+22	2,487039E+22	2,315317E+22	2,089121E+22	1,923380E+22	1,923364E+22	2,089079E+22	2,315274E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1465	2,487033E+22	2,558305E+22	2,564300E+22	2,564298E+22	2,558266E+22	2,486972E+22	2,315227E+22	2,089057E+22	1,923354E+22	1,923372E+22	2,089100E+22	2,315268E+22
1466	2,486981E+22	2,558216E+22	2,564182E+22	2,564196E+22	2,558239E+22	2,486995E+22	2,315251E+22	2,089060E+22	1,923340E+22	1,923346E+22	2,089073E+22	2,315256E+22
1467	2,486995E+22	2,558266E+22	2,564277E+22	2,564287E+22	2,558310E+22	2,487062E+22	2,315295E+22	2,089074E+22	1,923343E+22	1,923356E+22	2,089105E+22	2,315318E+22
1468	2,487062E+22	2,558307E+22	2,564285E+22	2,564251E+22	2,558207E+22	2,486956E+22	2,315254E+22	2,089090E+22	1,923365E+22	1,923356E+22	2,089073E+22	2,315257E+22
1469	2,486985E+22	2,558213E+22	2,564193E+22	2,564234E+22	2,558262E+22	2,487018E+22	2,315305E+22	2,089136E+22	1,923410E+22	1,923384E+22	2,089068E+22	2,315233E+22
1470	2,486997E+22	2,558315E+22	2,564341E+22	2,564338E+22	2,558321E+22	2,487032E+22	2,315283E+22	2,089117E+22	1,923426E+22	1,923440E+22	2,089144E+22	2,315290E+22
1471	2,487001E+22	2,558269E+22	2,564273E+22	2,564243E+22	2,558214E+22	2,486967E+22	2,315269E+22	2,089133E+22	1,923454E+22	1,923466E+22	2,089154E+22	2,315266E+22
1472	2,486937E+22	2,558179E+22	2,564220E+22	2,564278E+22	2,558303E+22	2,487065E+22	2,315354E+22	2,089198E+22	1,923500E+22	1,923492E+22	2,089173E+22	2,315314E+22
1473	2,487034E+22	2,558299E+22	2,564307E+22	2,564322E+22	2,558309E+22	2,487025E+22	2,315299E+22	2,089167E+22	1,923502E+22	1,923520E+22	2,089207E+22	2,315332E+22
1474	2,487017E+22	2,558245E+22	2,564207E+22	2,564193E+22	2,558216E+22	2,486995E+22	2,315314E+22	2,089197E+22	1,923523E+22	1,923513E+22	2,089176E+22	2,315299E+22
1475	2,487006E+22	2,558271E+22	2,564290E+22	2,564289E+22	2,558283E+22	2,487047E+22	2,315354E+22	2,089222E+22	1,923543E+22	1,923536E+22	2,089206E+22	2,315344E+22
1476	2,487069E+22	2,558343E+22	2,564351E+22	2,564317E+22	2,558232E+22	2,486942E+22	2,315276E+22	2,089196E+22	1,923539E+22	1,923537E+22	2,089195E+22	2,315296E+22
1477	2,486977E+22	2,558220E+22	2,564221E+22	2,564254E+22	2,558270E+22	2,487008E+22	2,315308E+22	2,089196E+22	1,923531E+22	1,923522E+22	2,089174E+22	2,315276E+22
1478	2,486978E+22	2,558284E+22	2,564342E+22	2,564354E+22	2,558343E+22	2,487064E+22	2,315317E+22	2,089157E+22	1,923485E+22	1,923507E+22	2,089203E+22	2,315340E+22
1479	2,487034E+22	2,558281E+22	2,564283E+22	2,564263E+22	2,558227E+22	2,486977E+22	2,315290E+22	2,089153E+22	1,923467E+22	1,923472E+22	2,089156E+22	2,315279E+22
1480	2,486963E+22	2,558190E+22	2,564188E+22	2,564235E+22	2,558273E+22	2,487045E+22	2,315354E+22	2,089202E+22	1,923487E+22	1,923455E+22	2,089124E+22	2,315274E+22
1481	2,487020E+22	2,558317E+22	2,564320E+22	2,564315E+22	2,558307E+22	2,487022E+22	2,315285E+22	2,089136E+22	1,923451E+22	1,923455E+22	2,089146E+22	2,315286E+22
1482	2,486994E+22	2,558253E+22	2,564237E+22	2,564204E+22	2,558196E+22	2,486961E+22	2,315267E+22	2,089128E+22	1,923435E+22	1,923429E+22	2,089115E+22	2,315254E+22
1483	2,486955E+22	2,558208E+22	2,564241E+22	2,564273E+22	2,558276E+22	2,487027E+22	2,315311E+22	2,089139E+22	1,923431E+22	1,923432E+22	2,089140E+22	2,315311E+22
1484	2,487041E+22	2,558303E+22	2,564308E+22	2,564311E+22	2,558263E+22	2,486963E+22	2,315246E+22	2,089100E+22	1,923405E+22	1,923419E+22	2,089133E+22	2,315287E+22
1485	2,486984E+22	2,558209E+22	2,564168E+22	2,564186E+22	2,558237E+22	2,487002E+22	2,315282E+22	2,089117E+22	1,923409E+22	1,923404E+22	2,089103E+22	2,315258E+22
1486	2,486980E+22	2,558270E+22	2,564297E+22	2,564291E+22	2,558299E+22	2,487051E+22	2,315309E+22	2,089119E+22	1,923408E+22	1,923414E+22	2,089131E+22	2,315313E+22
1487	2,487052E+22	2,558316E+22	2,564309E+22	2,564271E+22	2,558211E+22	2,486949E+22	2,315264E+22	2,089128E+22	1,923438E+22	1,923442E+22	2,089125E+22	2,315254E+22
1488	2,486955E+22	2,558197E+22	2,564195E+22	2,564233E+22	2,558252E+22	2,487004E+22	2,315321E+22	2,089198E+22	1,923506E+22	1,923482E+22	2,089138E+22	2,315257E+22
1489	2,486978E+22	2,558286E+22	2,564326E+22	2,564346E+22	2,558344E+22	2,487042E+22	2,315292E+22	2,089157E+22	1,923501E+22	1,923522E+22	2,089204E+22	2,315319E+22
1490	2,486996E+22	2,558247E+22	2,564252E+22	2,564238E+22	2,558227E+22	2,486986E+22	2,315300E+22	2,089183E+22	1,923522E+22	1,923531E+22	2,089199E+22	2,315303E+22
1491	2,486968E+22	2,558191E+22	2,564210E+22	2,564244E+22	2,558262E+22	2,487041E+22	2,315370E+22	2,089248E+22	1,923570E+22	1,923560E+22	2,089221E+22	2,315345E+22
1492	2,487059E+22	2,558330E+22	2,564336E+22	2,564322E+22	2,558270E+22	2,486985E+22	2,315310E+22	2,089229E+22	1,923581E+22	1,923583E+22	2,089233E+22	2,315328E+22
1493	2,487009E+22	2,558257E+22	2,564235E+22	2,564211E+22	2,558209E+22	2,486976E+22	2,315318E+22	2,089245E+22	1,923605E+22	1,923592E+22	2,089215E+22	2,315285E+22
1494	2,486966E+22	2,558264E+22	2,564328E+22	2,564330E+22	2,558296E+22	2,487029E+22	2,315337E+22	2,089238E+22	1,923596E+22	1,923600E+22	2,089247E+22	2,315347E+22
1495	2,487046E+22	2,558324E+22	2,564357E+22	2,564348E+22	2,558274E+22	2,486966E+22	2,315283E+22	2,089208E+22	1,923583E+22	1,923603E+22	2,089246E+22	2,315310E+22
1496	2,486960E+22	2,558194E+22	2,564200E+22	2,564237E+22	2,558269E+22	2,487025E+22	2,315347E+22	2,089252E+22	1,923595E+22	1,923581E+22	2,089218E+22	2,315302E+22
1497	2,486979E+22	2,558266E+22	2,564316E+22	2,564337E+22	2,558345E+22	2,487074E+22	2,315345E+22	2,089212E+22	1,923550E+22	1,923557E+22	2,089226E+22	2,315344E+22
1498	2,487032E+22	2,558280E+22	2,564281E+22	2,564254E+22	2,558222E+22	2,486982E+22	2,315317E+22	2,089210E+22	1,923540E+22	1,923529E+22	2,089180E+22	2,315286E+22
1499	2,486970E+22	2,558201E+22	2,564199E+22	2,564216E+22	2,558228E+22	2,487002E+22	2,315346E+22	2,089238E+22	1,923556E+22	1,923531E+22	2,089178E+22	2,315293E+22
1500	2,487015E+22	2,558317E+22	2,564339E+22	2,564331E+22	2,558290E+22	2,486982E+22	2,315275E+22	2,089172E+22	1,923514E+22	1,923523E+22	2,089194E+22	2,315303E+22

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1501	2,486981E+22	2,558232E+22	2,564229E+22	2,564211E+22	2,558212E+22	2,486967E+22	2,315268E+22	2,089149E+22	1,923487E+22	1,923494E+22	2,089166E+22	2,315275E+22
1502	2,486944E+22	2,558197E+22	2,564246E+22	2,564274E+22	2,558273E+22	2,487021E+22	2,315310E+22	2,089152E+22	1,923461E+22	1,923469E+22	2,089170E+22	2,315333E+22
1503	2,487059E+22	2,558316E+22	2,564315E+22	2,564312E+22	2,558267E+22	2,486967E+22	2,315261E+22	2,089130E+22	1,923452E+22	1,923467E+22	2,089158E+22	2,315289E+22
1504	2,486985E+22	2,558222E+22	2,564181E+22	2,564173E+22	2,558212E+22	2,486987E+22	2,315307E+22	2,089184E+22	1,923494E+22	1,923473E+22	2,089133E+22	2,315253E+22
1505	2,486962E+22	2,558263E+22	2,564311E+22	2,564311E+22	2,558308E+22	2,487044E+22	2,315317E+22	2,089172E+22	1,923492E+22	1,923490E+22	2,089163E+22	2,315297E+22
1506	2,487015E+22	2,558294E+22	2,564319E+22	2,564299E+22	2,558242E+22	2,486964E+22	2,315282E+22	2,089178E+22	1,923520E+22	1,923521E+22	2,089174E+22	2,315269E+22
1507	2,486942E+22	2,558174E+22	2,564183E+22	2,564219E+22	2,558241E+22	2,487001E+22	2,315334E+22	2,089240E+22	1,923582E+22	1,923570E+22	2,089210E+22	2,315299E+22
1508	2,486986E+22	2,558274E+22	2,564319E+22	2,564338E+22	2,558325E+22	2,487032E+22	2,315322E+22	2,089222E+22	1,923578E+22	1,923592E+22	2,089252E+22	2,315346E+22
1509	2,487008E+22	2,558244E+22	2,564241E+22	2,564222E+22	2,558214E+22	2,486981E+22	2,315322E+22	2,089245E+22	1,923610E+22	1,923610E+22	2,089244E+22	2,315314E+22
1510	2,486964E+22	2,558207E+22	2,564240E+22	2,564248E+22	2,558238E+22	2,487008E+22	2,315362E+22	2,089285E+22	1,923640E+22	1,923630E+22	2,089260E+22	2,315354E+22
1511	2,487061E+22	2,558350E+22	2,564374E+22	2,564352E+22	2,558275E+22	2,486968E+22	2,315302E+22	2,089255E+22	1,923649E+22	1,923666E+22	2,089284E+22	2,315331E+22
1512	2,486987E+22	2,558247E+22	2,564251E+22	2,564227E+22	2,558214E+22	2,486969E+22	2,315325E+22	2,089289E+22	1,923681E+22	1,923674E+22	2,089274E+22	2,315307E+22
1513	2,486950E+22	2,558234E+22	2,564316E+22	2,564350E+22	2,558335E+22	2,487054E+22	2,315350E+22	2,089267E+22	1,923649E+22	1,923658E+22	2,089286E+22	2,315362E+22
1514	2,487040E+22	2,558305E+22	2,564340E+22	2,564345E+22	2,558294E+22	2,487000E+22	2,315322E+22	2,089255E+22	1,923634E+22	1,923642E+22	2,089269E+22	2,315330E+22
1515	2,486977E+22	2,558195E+22	2,564186E+22	2,564198E+22	2,558228E+22	2,487009E+22	2,315368E+22	2,089306E+22	1,923662E+22	1,923638E+22	2,089251E+22	2,315318E+22
1516	2,486991E+22	2,558277E+22	2,564330E+22	2,564328E+22	2,558305E+22	2,487038E+22	2,315356E+22	2,089270E+22	1,923623E+22	1,923614E+22	2,089246E+22	2,315335E+22
1517	2,487014E+22	2,558271E+22	2,564288E+22	2,564258E+22	2,558208E+22	2,486958E+22	2,315312E+22	2,089250E+22	1,923615E+22	1,923606E+22	2,089223E+22	2,315279E+22
1518	2,486935E+22	2,558187E+22	2,564221E+22	2,564236E+22	2,558226E+22	2,486975E+22	2,315319E+22	2,089244E+22	1,923599E+22	1,923590E+22	2,089226E+22	2,315313E+22
1519	2,487012E+22	2,558307E+22	2,564344E+22	2,564345E+22	2,558309E+22	2,486990E+22	2,315271E+22	2,089176E+22	1,923551E+22	1,923580E+22	2,089239E+22	2,315324E+22
1520	2,486982E+22	2,558222E+22	2,564220E+22	2,564196E+22	2,558203E+22	2,486974E+22	2,315297E+22	2,089197E+22	1,923545E+22	1,923545E+22	2,089200E+22	2,315296E+22
1521	2,486955E+22	2,558196E+22	2,564239E+22	2,564274E+22	2,558285E+22	2,487031E+22	2,315328E+22	2,089199E+22	1,923523E+22	1,923514E+22	2,089180E+22	2,315323E+22
1522	2,487054E+22	2,558325E+22	2,564330E+22	2,564319E+22	2,558276E+22	2,486982E+22	2,315290E+22	2,089189E+22	1,923529E+22	1,923525E+22	2,089178E+22	2,315285E+22
1523	2,486976E+22	2,558222E+22	2,564199E+22	2,564173E+22	2,558185E+22	2,486961E+22	2,315314E+22	2,089240E+22	1,923585E+22	1,923564E+22	2,089192E+22	2,315268E+22
1524	2,486944E+22	2,558242E+22	2,564319E+22	2,564329E+22	2,558303E+22	2,487025E+22	2,315327E+22	2,089228E+22	1,923579E+22	1,923579E+22	2,089222E+22	2,315315E+22
1525	2,486994E+22	2,558257E+22	2,564298E+22	2,564297E+22	2,558253E+22	2,486979E+22	2,315302E+22	2,089225E+22	1,923602E+22	1,923613E+22	2,089244E+22	2,315298E+22
1526	2,486936E+22	2,558164E+22	2,564181E+22	2,564205E+22	2,558219E+22	2,486986E+22	2,315339E+22	2,089273E+22	1,923638E+22	1,923634E+22	2,089262E+22	2,315336E+22
1527	2,487016E+22	2,558295E+22	2,564327E+22	2,564329E+22	2,558309E+22	2,487018E+22	2,315326E+22	2,089259E+22	1,923648E+22	1,923665E+22	2,089292E+22	2,315358E+22
1528	2,487018E+22	2,558266E+22	2,564266E+22	2,564220E+22	2,558187E+22	2,486957E+22	2,315331E+22	2,089302E+22	1,923697E+22	1,923689E+22	2,089285E+22	2,315320E+22
1529	2,486959E+22	2,558210E+22	2,564262E+22	2,564283E+22	2,558258E+22	2,486997E+22	2,315353E+22	2,089317E+22	1,923710E+22	1,923699E+22	2,089294E+22	2,315346E+22
1530	2,487036E+22	2,558336E+22	2,564390E+22	2,564390E+22	2,558320E+22	2,486997E+22	2,315321E+22	2,089292E+22	1,923709E+22	1,923724E+22	2,089324E+22	2,315348E+22
1531	2,486978E+22	2,558225E+22	2,564245E+22	2,564224E+22	2,558212E+22	2,486979E+22	2,315347E+22	2,089330E+22	1,923741E+22	1,923739E+22	2,089326E+22	2,315335E+22
1532	2,486952E+22	2,558214E+22	2,564301E+22	2,564338E+22	2,558318E+22	2,487057E+22	2,315392E+22	2,089333E+22	1,923716E+22	1,923710E+22	2,089311E+22	2,315365E+22
1533	2,487035E+22	2,558292E+22	2,564321E+22	2,564323E+22	2,558280E+22	2,487006E+22	2,315353E+22	2,089317E+22	1,923717E+22	1,923712E+22	2,089301E+22	2,315323E+22
1534	2,486961E+22	2,558203E+22	2,564203E+22	2,564184E+22	2,558186E+22	2,486971E+22	2,315358E+22	2,089337E+22	1,923725E+22	1,923703E+22	2,089288E+22	2,315324E+22
1535	2,486989E+22	2,558285E+22	2,564349E+22	2,564340E+22	2,558292E+22	2,487009E+22	2,315336E+22	2,089288E+22	1,923687E+22	1,923692E+22	2,089296E+22	2,315343E+22
1536	2,487000E+22	2,558258E+22	2,564292E+22	2,564266E+22	2,558204E+22	2,486940E+22	2,315302E+22	2,089275E+22	1,923676E+22	1,923678E+22	2,089281E+22	2,315311E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1537	2,486936E+22	2,558165E+22	2,564206E+22	2,564251E+22	2,558254E+22	2,486986E+22	2,315315E+22	2,089253E+22	1,923633E+22	1,923633E+22	2,089257E+22	2,315332E+22
1538	2,487021E+22	2,558307E+22	2,564342E+22	2,564347E+22	2,558323E+22	2,487018E+22	2,315303E+22	2,089215E+22	1,923589E+22	1,923606E+22	2,089255E+22	2,315340E+22
1539	2,487000E+22	2,558237E+22	2,564229E+22	2,564180E+22	2,558169E+22	2,486958E+22	2,315315E+22	2,089249E+22	1,923612E+22	1,923600E+22	2,089225E+22	2,315298E+22
1540	2,486956E+22	2,558207E+22	2,564264E+22	2,564284E+22	2,558262E+22	2,487013E+22	2,315352E+22	2,089263E+22	1,923605E+22	1,923581E+22	2,089199E+22	2,315297E+22
1541	2,487019E+22	2,558307E+22	2,564340E+22	2,564340E+22	2,558285E+22	2,486983E+22	2,315302E+22	2,089242E+22	1,923621E+22	1,923619E+22	2,089229E+22	2,315273E+22
1542	2,486931E+22	2,558195E+22	2,564207E+22	2,564189E+22	2,558188E+22	2,486950E+22	2,315307E+22	2,089267E+22	1,923652E+22	1,923648E+22	2,089259E+22	2,315299E+22
1543	2,486941E+22	2,558221E+22	2,564305E+22	2,564330E+22	2,558310E+22	2,487035E+22	2,315337E+22	2,089259E+22	1,923647E+22	1,923663E+22	2,089286E+22	2,315349E+22
1544	2,487002E+22	2,558244E+22	2,564277E+22	2,564272E+22	2,558230E+22	2,486975E+22	2,315330E+22	2,089288E+22	1,923685E+22	1,923693E+22	2,089302E+22	2,315335E+22
1545	2,486959E+22	2,558170E+22	2,564177E+22	2,564205E+22	2,558219E+22	2,486979E+22	2,315345E+22	2,089317E+22	1,923711E+22	1,923699E+22	2,089294E+22	2,315343E+22
1546	2,487026E+22	2,558321E+22	2,564357E+22	2,564342E+22	2,558304E+22	2,487017E+22	2,315342E+22	2,089308E+22	1,923720E+22	1,923727E+22	2,089326E+22	2,315366E+22
1547	2,487016E+22	2,558275E+22	2,564295E+22	2,564237E+22	2,558169E+22	2,486930E+22	2,315330E+22	2,089346E+22	1,923778E+22	1,923774E+22	2,089341E+22	2,315336E+22
1548	2,486949E+22	2,558199E+22	2,564277E+22	2,564312E+22	2,558271E+22	2,486999E+22	2,315367E+22	2,089360E+22	1,923779E+22	1,923770E+22	2,089335E+22	2,315350E+22
1549	2,487013E+22	2,558305E+22	2,564370E+22	2,564391E+22	2,558338E+22	2,487027E+22	2,315352E+22	2,089338E+22	1,923778E+22	1,923795E+22	2,089369E+22	2,315355E+22
1550	2,486964E+22	2,558215E+22	2,564239E+22	2,564209E+22	2,558189E+22	2,486971E+22	2,315365E+22	2,089371E+22	1,923796E+22	1,923791E+22	2,089360E+22	2,315354E+22
1551	2,486967E+22	2,558223E+22	2,564299E+22	2,564325E+22	2,558293E+22	2,487040E+22	2,315398E+22	2,089375E+22	1,923789E+22	1,923778E+22	2,089340E+22	2,315360E+22
1552	2,487024E+22	2,558294E+22	2,564330E+22	2,564314E+22	2,558245E+22	2,486974E+22	2,315357E+22	2,089368E+22	1,923800E+22	1,923793E+22	2,089345E+22	2,315327E+22
1553	2,486946E+22	2,558191E+22	2,564210E+22	2,564214E+22	2,558200E+22	2,486951E+22	2,315335E+22	2,089351E+22	1,923779E+22	1,923766E+22	2,089327E+22	2,315326E+22
1554	2,486973E+22	2,558275E+22	2,564355E+22	2,564361E+22	2,558316E+22	2,487026E+22	2,315341E+22	2,089306E+22	1,923726E+22	1,923738E+22	2,089338E+22	2,315372E+22
1555	2,487003E+22	2,558246E+22	2,564285E+22	2,564262E+22	2,558195E+22	2,486941E+22	2,315316E+22	2,089304E+22	1,923722E+22	1,923729E+22	2,089325E+22	2,315342E+22
1556	2,486954E+22	2,558166E+22	2,564202E+22	2,564250E+22	2,558243E+22	2,486991E+22	2,315350E+22	2,089304E+22	1,923686E+22	1,923673E+22	2,089271E+22	2,315327E+22
1557	2,487017E+22	2,558305E+22	2,564339E+22	2,564343E+22	2,558320E+22	2,487032E+22	2,315335E+22	2,089274E+22	1,923666E+22	1,923671E+22	2,089278E+22	2,315320E+22
1558	2,486977E+22	2,558247E+22	2,564256E+22	2,564187E+22	2,558143E+22	2,486934E+22	2,315317E+22	2,089288E+22	1,923681E+22	1,923671E+22	2,089266E+22	2,315300E+22
1559	2,486941E+22	2,558200E+22	2,564273E+22	2,564302E+22	2,558261E+22	2,486998E+22	2,315345E+22	2,089299E+22	1,923689E+22	1,923675E+22	2,089258E+22	2,315303E+22
1560	2,486990E+22	2,558276E+22	2,564327E+22	2,564343E+22	2,558287E+22	2,486983E+22	2,315312E+22	2,089285E+22	1,923703E+22	1,923713E+22	2,089304E+22	2,315313E+22
1561	2,486934E+22	2,558167E+22	2,564178E+22	2,564191E+22	2,558200E+22	2,486956E+22	2,315312E+22	2,089292E+22	1,923706E+22	1,923711E+22	2,089308E+22	2,315330E+22
1562	2,486963E+22	2,558231E+22	2,564297E+22	2,564316E+22	2,558299E+22	2,487045E+22	2,315369E+22	2,089310E+22	1,923705E+22	1,923709E+22	2,089322E+22	2,315381E+22
1563	2,487031E+22	2,558271E+22	2,564293E+22	2,564258E+22	2,558186E+22	2,486940E+22	2,315335E+22	2,089339E+22	1,923763E+22	1,923763E+22	2,089340E+22	2,315348E+22
1564	2,486970E+22	2,558194E+22	2,564213E+22	2,564224E+22	2,558195E+22	2,486954E+22	2,315355E+22	2,089367E+22	1,923790E+22	1,923771E+22	2,089321E+22	2,315324E+22
1565	2,486996E+22	2,558312E+22	2,564379E+22	2,564377E+22	2,558324E+22	2,487024E+22	2,315355E+22	2,089354E+22	1,923803E+22	1,923814E+22	2,089373E+22	2,315351E+22
1566	2,486975E+22	2,558260E+22	2,564311E+22	2,564263E+22	2,558180E+22	2,486931E+22	2,315332E+22	2,089372E+22	1,923836E+22	1,923844E+22	2,089394E+22	2,315355E+22
1567	2,486940E+22	2,558180E+22	2,564264E+22	2,564317E+22	2,558283E+22	2,487017E+22	2,315389E+22	2,089403E+22	1,923851E+22	1,923843E+22	2,089378E+22	2,315359E+22
1568	2,487002E+22	2,558285E+22	2,564348E+22	2,564371E+22	2,558323E+22	2,487031E+22	2,315388E+22	2,089406E+22	1,923863E+22	1,923869E+22	2,089414E+22	2,315373E+22
1569	2,486968E+22	2,558205E+22	2,564222E+22	2,564207E+22	2,558183E+22	2,486959E+22	2,315373E+22	2,089415E+22	1,923867E+22	1,923856E+22	2,089391E+22	2,315356E+22
1570	2,486964E+22	2,558235E+22	2,564312E+22	2,564325E+22	2,558276E+22	2,487029E+22	2,315412E+22	2,089420E+22	1,923853E+22	1,923839E+22	2,089384E+22	2,315378E+22
1571	2,487017E+22	2,558291E+22	2,564341E+22	2,564320E+22	2,558220E+22	2,486936E+22	2,315342E+22	2,089398E+22	1,923867E+22	1,923872E+22	2,089410E+22	2,315357E+22
1572	2,486946E+22	2,558184E+22	2,564214E+22	2,564229E+22	2,558204E+22	2,486951E+22	2,315339E+22	2,089368E+22	1,923824E+22	1,923822E+22	2,089369E+22	2,315342E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1573	2,486969E+22	2,558262E+22	2,564342E+22	2,564361E+22	2,558328E+22	2,487049E+22	2,315366E+22	2,089335E+22	1,923770E+22	1,923788E+22	2,089371E+22	2,315378E+22
1574	2,487004E+22	2,558258E+22	2,564291E+22	2,564256E+22	2,558175E+22	2,486931E+22	2,315328E+22	2,089334E+22	1,923761E+22	1,923763E+22	2,089343E+22	2,315351E+22
1575	2,486969E+22	2,558189E+22	2,564217E+22	2,564254E+22	2,558230E+22	2,486979E+22	2,315356E+22	2,089348E+22	1,923758E+22	1,923732E+22	2,089286E+22	2,315306E+22
1576	2,486990E+22	2,558301E+22	2,564350E+22	2,564349E+22	2,558304E+22	2,487015E+22	2,315351E+22	2,089330E+22	1,923752E+22	1,923751E+22	2,089321E+22	2,315317E+22
1577	2,486948E+22	2,558218E+22	2,564253E+22	2,564221E+22	2,558169E+22	2,486929E+22	2,315313E+22	2,089317E+22	1,923746E+22	1,923745E+22	2,089315E+22	2,315307E+22
1578	2,486921E+22	2,558181E+22	2,564263E+22	2,564308E+22	2,558275E+22	2,487017E+22	2,315367E+22	2,089334E+22	1,923742E+22	1,923736E+22	2,089317E+22	2,315342E+22
1579	2,486990E+22	2,558256E+22	2,564304E+22	2,564321E+22	2,558260E+22	2,486972E+22	2,315333E+22	2,089334E+22	1,923772E+22	1,923787E+22	2,089366E+22	2,315355E+22
1580	2,486958E+22	2,558177E+22	2,564174E+22	2,564178E+22	2,558178E+22	2,486951E+22	2,315340E+22	2,089345E+22	1,923776E+22	1,923772E+22	2,089338E+22	2,315336E+22
1581	2,486969E+22	2,558247E+22	2,564308E+22	2,564311E+22	2,558283E+22	2,487038E+22	2,315387E+22	2,089366E+22	1,923791E+22	1,923789E+22	2,089357E+22	2,315368E+22
1582	2,487018E+22	2,558296E+22	2,564332E+22	2,564279E+22	2,558164E+22	2,486907E+22	2,315328E+22	2,089376E+22	1,923835E+22	1,923839E+22	2,089388E+22	2,315356E+22
1583	2,486960E+22	2,558199E+22	2,564240E+22	2,564263E+22	2,558211E+22	2,486940E+22	2,315345E+22	2,089403E+22	1,923872E+22	1,923859E+22	2,089374E+22	2,315326E+22
1584	2,486962E+22	2,558280E+22	2,564371E+22	2,564392E+22	2,558340E+22	2,487039E+22	2,315377E+22	2,089401E+22	1,923881E+22	1,923900E+22	2,089437E+22	2,315379E+22
1585	2,486967E+22	2,558226E+22	2,564284E+22	2,564273E+22	2,558203E+22	2,486950E+22	2,315357E+22	2,089410E+22	1,923891E+22	1,923902E+22	2,089434E+22	2,315373E+22
1586	2,486948E+22	2,558183E+22	2,564250E+22	2,564297E+22	2,558272E+22	2,487029E+22	2,315429E+22	2,089463E+22	1,923913E+22	1,923893E+22	2,089414E+22	2,315380E+22
1587	2,487007E+22	2,558292E+22	2,564349E+22	2,564350E+22	2,558278E+22	2,486997E+22	2,315397E+22	2,089464E+22	1,923948E+22	1,923947E+22	2,089459E+22	2,315387E+22
1588	2,486971E+22	2,558217E+22	2,564242E+22	2,564214E+22	2,558160E+22	2,486933E+22	2,315375E+22	2,089454E+22	1,923938E+22	1,923927E+22	2,089428E+22	2,315350E+22
1589	2,486940E+22	2,558223E+22	2,564321E+22	2,564345E+22	2,558286E+22	2,487023E+22	2,315412E+22	2,089450E+22	1,923919E+22	1,923915E+22	2,089435E+22	2,315382E+22
1590	2,486998E+22	2,558287E+22	2,564350E+22	2,564332E+22	2,558222E+22	2,486929E+22	2,315336E+22	2,089407E+22	1,923900E+22	1,923921E+22	2,089457E+22	2,315390E+22
1591	2,486959E+22	2,558184E+22	2,564211E+22	2,564232E+22	2,558210E+22	2,486956E+22	2,315351E+22	2,089399E+22	1,923873E+22	1,923868E+22	2,089394E+22	2,315349E+22
1592	2,486966E+22	2,558258E+22	2,564335E+22	2,564351E+22	2,558319E+22	2,487054E+22	2,315398E+22	2,089391E+22	1,923836E+22	1,923841E+22	2,089397E+22	2,315383E+22
1593	2,487003E+22	2,558256E+22	2,564293E+22	2,564268E+22	2,558179E+22	2,486923E+22	2,315337E+22	2,089372E+22	1,923819E+22	1,923813E+22	2,089359E+22	2,315336E+22
1594	2,486953E+22	2,558196E+22	2,564232E+22	2,564261E+22	2,558226E+22	2,486975E+22	2,315377E+22	2,089397E+22	1,923822E+22	1,923793E+22	2,089329E+22	2,315314E+22
1595	2,486961E+22	2,558277E+22	2,564349E+22	2,564357E+22	2,558293E+22	2,486989E+22	2,315346E+22	2,089370E+22	1,923829E+22	1,923837E+22	2,089387E+22	2,315346E+22
1596	2,486940E+22	2,558196E+22	2,564237E+22	2,564218E+22	2,558169E+22	2,486932E+22	2,315327E+22	2,089347E+22	1,923805E+22	1,923814E+22	2,089368E+22	2,315331E+22
1597	2,486919E+22	2,558166E+22	2,564244E+22	2,564290E+22	2,558267E+22	2,487025E+22	2,315397E+22	2,089382E+22	1,923807E+22	1,923804E+22	2,089363E+22	2,315359E+22
1598	2,487002E+22	2,558280E+22	2,564313E+22	2,564303E+22	2,558222E+22	2,486942E+22	2,315335E+22	2,089371E+22	1,923830E+22	1,923843E+22	2,089402E+22	2,315375E+22
1599	2,486978E+22	2,558211E+22	2,564206E+22	2,564189E+22	2,558161E+22	2,486921E+22	2,315331E+22	2,089388E+22	1,923859E+22	1,923845E+22	2,089365E+22	2,315321E+22
1600	2,486947E+22	2,558251E+22	2,564336E+22	2,564338E+22	2,558283E+22	2,487020E+22	2,315392E+22	2,089414E+22	1,923877E+22	1,923876E+22	2,089408E+22	2,315369E+22
1601	2,486988E+22	2,558268E+22	2,564340E+22	2,564330E+22	2,558209E+22	2,486912E+22	2,315327E+22	2,089402E+22	1,923897E+22	1,923910E+22	2,089434E+22	2,315361E+22
1602	2,486938E+22	2,558181E+22	2,564236E+22	2,564277E+22	2,558241E+22	2,486978E+22	2,315386E+22	2,089451E+22	1,923929E+22	1,923921E+22	2,089431E+22	2,315358E+22
1603	2,486950E+22	2,558250E+22	2,564348E+22	2,564376E+22	2,558327E+22	2,487041E+22	2,315415E+22	2,089468E+22	1,923963E+22	1,923976E+22	2,089493E+22	2,315412E+22
1604	2,486981E+22	2,558225E+22	2,564271E+22	2,564250E+22	2,558184E+22	2,486955E+22	2,315396E+22	2,089477E+22	1,923974E+22	1,923973E+22	2,089469E+22	2,315377E+22
1605	2,486945E+22	2,558190E+22	2,564252E+22	2,564279E+22	2,558246E+22	2,487019E+22	2,315453E+22	2,089526E+22	1,924004E+22	1,923979E+22	2,089458E+22	2,315376E+22
1606	2,486995E+22	2,558307E+22	2,564373E+22	2,564351E+22	2,558245E+22	2,486952E+22	2,315382E+22	2,089494E+22	1,924015E+22	1,924023E+22	2,089516E+22	2,315411E+22
1607	2,486973E+22	2,558223E+22	2,564265E+22	2,564240E+22	2,558168E+22	2,486909E+22	2,315349E+22	2,089473E+22	1,924004E+22	1,924000E+22	2,089478E+22	2,315366E+22
1608	2,486928E+22	2,558205E+22	2,564315E+22	2,564350E+22	2,558293E+22	2,487025E+22	2,315418E+22	2,089474E+22	1,923969E+22	1,923975E+22	2,089485E+22	2,315414E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1609	2,487006E+22	2,558269E+22	2,564337E+22	2,564345E+22	2,558242E+22	2,486938E+22	2,315350E+22	2,089429E+22	1,923929E+22	1,923948E+22	2,089472E+22	2,315399E+22
1610	2,486972E+22	2,558205E+22	2,564223E+22	2,564227E+22	2,558205E+22	2,486963E+22	2,315382E+22	2,089446E+22	1,923914E+22	1,923895E+22	2,089408E+22	2,315349E+22
1611	2,486952E+22	2,558257E+22	2,564345E+22	2,564344E+22	2,558289E+22	2,487026E+22	2,315409E+22	2,089445E+22	1,923913E+22	1,923905E+22	2,089424E+22	2,315374E+22
1612	2,486982E+22	2,558252E+22	2,564308E+22	2,564280E+22	2,558179E+22	2,486918E+22	2,315350E+22	2,089413E+22	1,923889E+22	1,923883E+22	2,089392E+22	2,315321E+22
1613	2,486912E+22	2,558168E+22	2,564227E+22	2,564267E+22	2,558238E+22	2,486981E+22	2,315389E+22	2,089437E+22	1,923895E+22	1,923875E+22	2,089382E+22	2,315320E+22
1614	2,486939E+22	2,558256E+22	2,564336E+22	2,564346E+22	2,558283E+22	2,486980E+22	2,315349E+22	2,089396E+22	1,923881E+22	1,923901E+22	2,089446E+22	2,315389E+22
1615	2,486958E+22	2,558195E+22	2,564230E+22	2,564210E+22	2,558161E+22	2,486920E+22	2,315332E+22	2,089391E+22	1,923874E+22	1,923877E+22	2,089406E+22	2,315350E+22
1616	2,486925E+22	2,558168E+22	2,564241E+22	2,564277E+22	2,558246E+22	2,487009E+22	2,315412E+22	2,089437E+22	1,923886E+22	1,923876E+22	2,089407E+22	2,315377E+22
1617	2,487008E+22	2,558284E+22	2,564331E+22	2,564324E+22	2,558223E+22	2,486925E+22	2,315336E+22	2,089406E+22	1,923894E+22	1,923905E+22	2,089433E+22	2,315374E+22
1618	2,486971E+22	2,558228E+22	2,564242E+22	2,564215E+22	2,558167E+22	2,486918E+22	2,315347E+22	2,089433E+22	1,923923E+22	1,923914E+22	2,089418E+22	2,315335E+22
1619	2,486919E+22	2,558228E+22	2,564342E+22	2,564358E+22	2,558293E+22	2,487013E+22	2,315399E+22	2,089461E+22	1,923959E+22	1,923965E+22	2,089472E+22	2,315397E+22
1620	2,486983E+22	2,558249E+22	2,564327E+22	2,564329E+22	2,558229E+22	2,486944E+22	2,315361E+22	2,089447E+22	1,923965E+22	1,923981E+22	2,089481E+22	2,315378E+22
1621	2,486933E+22	2,558166E+22	2,564217E+22	2,564255E+22	2,558236E+22	2,486998E+22	2,315434E+22	2,089521E+22	1,924012E+22	1,923994E+22	2,089471E+22	2,315369E+22
1622	2,486957E+22	2,558262E+22	2,564348E+22	2,564351E+22	2,558287E+22	2,487011E+22	2,315426E+22	2,089523E+22	1,924040E+22	1,924044E+22	2,089533E+22	2,315432E+22
1623	2,486995E+22	2,558248E+22	2,564295E+22	2,564252E+22	2,558157E+22	2,486914E+22	2,315385E+22	2,089528E+22	1,924068E+22	1,924056E+22	2,089507E+22	2,315372E+22
1624	2,486925E+22	2,558186E+22	2,564273E+22	2,564296E+22	2,558236E+22	2,486989E+22	2,315445E+22	2,089566E+22	1,924085E+22	1,924068E+22	2,089519E+22	2,315392E+22
1625	2,486978E+22	2,558284E+22	2,564381E+22	2,564387E+22	2,558271E+22	2,486945E+22	2,315365E+22	2,089501E+22	1,924056E+22	1,924078E+22	2,089557E+22	2,315427E+22
1626	2,486968E+22	2,558219E+22	2,564271E+22	2,564251E+22	2,558187E+22	2,486932E+22	2,315373E+22	2,089499E+22	1,924033E+22	1,924037E+22	2,089517E+22	2,315393E+22
1627	2,486927E+22	2,558191E+22	2,564307E+22	2,564344E+22	2,558286E+22	2,487023E+22	2,315439E+22	2,089522E+22	1,924026E+22	1,924022E+22	2,089512E+22	2,315429E+22
1628	2,487018E+22	2,558276E+22	2,564333E+22	2,564331E+22	2,558239E+22	2,486951E+22	2,315379E+22	2,089478E+22	1,923991E+22	1,923993E+22	2,089481E+22	2,315380E+22
1629	2,486952E+22	2,558205E+22	2,564235E+22	2,564221E+22	2,558193E+22	2,486964E+22	2,315411E+22	2,089507E+22	1,923995E+22	1,923966E+22	2,089435E+22	2,315330E+22
1630	2,486924E+22	2,558247E+22	2,564357E+22	2,564348E+22	2,558268E+22	2,486992E+22	2,315399E+22	2,089479E+22	1,923980E+22	1,923979E+22	2,089477E+22	2,315391E+22
1631	2,486968E+22	2,558234E+22	2,564310E+22	2,564293E+22	2,558186E+22	2,486902E+22	2,315334E+22	2,089443E+22	1,923964E+22	1,923962E+22	2,089447E+22	2,315341E+22
1632	2,486898E+22	2,558138E+22	2,564206E+22	2,564253E+22	2,558234E+22	2,486983E+22	2,315401E+22	2,089470E+22	1,923954E+22	1,923947E+22	2,089445E+22	2,315363E+22
1633	2,486956E+22	2,558240E+22	2,564318E+22	2,564338E+22	2,558277E+22	2,486974E+22	2,315357E+22	2,089424E+22	1,923922E+22	1,923942E+22	2,089473E+22	2,315411E+22
1634	2,486986E+22	2,558226E+22	2,564251E+22	2,564205E+22	2,558146E+22	2,486914E+22	2,315350E+22	2,089435E+22	1,923925E+22	1,923921E+22	2,089435E+22	2,315360E+22
1635	2,486925E+22	2,558180E+22	2,564269E+22	2,564287E+22	2,558225E+22	2,486976E+22	2,315410E+22	2,089486E+22	1,923968E+22	1,923951E+22	2,089445E+22	2,315379E+22
1636	2,486999E+22	2,558288E+22	2,564356E+22	2,564348E+22	2,558243E+22	2,486933E+22	2,315348E+22	2,089446E+22	1,923966E+22	1,923978E+22	2,089470E+22	2,315364E+22
1637	2,486937E+22	2,558206E+22	2,564253E+22	2,564236E+22	2,558194E+22	2,486943E+22	2,315377E+22	2,089487E+22	1,924004E+22	1,923997E+22	2,089467E+22	2,315340E+22
1638	2,486899E+22	2,558204E+22	2,564328E+22	2,564350E+22	2,558290E+22	2,487019E+22	2,315423E+22	2,089511E+22	1,924031E+22	1,924038E+22	2,089527E+22	2,315429E+22
1639	2,486993E+22	2,558246E+22	2,564322E+22	2,564321E+22	2,558223E+22	2,486940E+22	2,315383E+22	2,089518E+22	1,924061E+22	1,924060E+22	2,089521E+22	2,315388E+22
1640	2,486931E+22	2,558163E+22	2,564212E+22	2,564232E+22	2,558206E+22	2,486981E+22	2,315453E+22	2,089587E+22	1,924109E+22	1,924084E+22	2,089525E+22	2,315387E+22
1641	2,486956E+22	2,558255E+22	2,564358E+22	2,564360E+22	2,558271E+22	2,486984E+22	2,315421E+22	2,089561E+22	1,924112E+22	1,924117E+22	2,089576E+22	2,315441E+22
1642	2,486993E+22	2,558260E+22	2,564327E+22	2,564278E+22	2,558157E+22	2,486895E+22	2,315379E+22	2,089556E+22	1,924123E+22	1,924125E+22	2,089568E+22	2,315397E+22
1643	2,486909E+22	2,558163E+22	2,564275E+22	2,564311E+22	2,558239E+22	2,486971E+22	2,315430E+22	2,089588E+22	1,924146E+22	1,924142E+22	2,089579E+22	2,315428E+22
1644	2,486987E+22	2,558274E+22	2,564371E+22	2,564381E+22	2,558289E+22	2,486978E+22	2,315390E+22	2,089525E+22	1,924095E+22	1,924122E+22	2,089586E+22	2,315437E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1645	2,486970E+22	2,558219E+22	2,564271E+22	2,564240E+22	2,558184E+22	2,486951E+22	2,315412E+22	2,089552E+22	1,924091E+22	1,924080E+22	2,089528E+22	2,315385E+22
1646	2,486929E+22	2,558203E+22	2,564313E+22	2,564330E+22	2,558257E+22	2,487002E+22	2,315448E+22	2,089567E+22	1,924088E+22	1,924070E+22	2,089527E+22	2,315422E+22
1647	2,487013E+22	2,558287E+22	2,564358E+22	2,564345E+22	2,558229E+22	2,486926E+22	2,315373E+22	2,089526E+22	1,924074E+22	1,924061E+22	2,089503E+22	2,315358E+22
1648	2,486913E+22	2,558178E+22	2,564238E+22	2,564233E+22	2,558191E+22	2,486950E+22	2,315410E+22	2,089545E+22	1,924070E+22	1,924050E+22	2,089494E+22	2,315345E+22
1649	2,486896E+22	2,558200E+22	2,564339E+22	2,564363E+22	2,558284E+22	2,486994E+22	2,315396E+22	2,089494E+22	1,924023E+22	1,924036E+22	2,089525E+22	2,315418E+22
1650	2,486971E+22	2,558222E+22	2,564301E+22	2,564285E+22	2,558184E+22	2,486916E+22	2,315358E+22	2,089474E+22	1,924001E+22	1,924011E+22	2,089501E+22	2,315380E+22
1651	2,486910E+22	2,558129E+22	2,564193E+22	2,564235E+22	2,558208E+22	2,486965E+22	2,315410E+22	2,089518E+22	1,924022E+22	1,924008E+22	2,089486E+22	2,315391E+22
1652	2,486985E+22	2,558265E+22	2,564326E+22	2,564320E+22	2,558264E+22	2,486978E+22	2,315375E+22	2,089468E+22	1,923989E+22	1,923999E+22	2,089494E+22	2,315401E+22
1653	2,486980E+22	2,558244E+22	2,564285E+22	2,564218E+22	2,558137E+22	2,486909E+22	2,315370E+22	2,089492E+22	1,924009E+22	1,923996E+22	2,089465E+22	2,315347E+22
1654	2,486909E+22	2,558183E+22	2,564294E+22	2,564312E+22	2,558222E+22	2,486953E+22	2,315401E+22	2,089522E+22	1,924042E+22	1,924029E+22	2,089496E+22	2,315394E+22
1655	2,486988E+22	2,558275E+22	2,564366E+22	2,564373E+22	2,558265E+22	2,486935E+22	2,315348E+22	2,089491E+22	1,924050E+22	1,924061E+22	2,089522E+22	2,315377E+22
1656	2,486918E+22	2,558174E+22	2,564236E+22	2,564231E+22	2,558197E+22	2,486961E+22	2,315411E+22	2,089544E+22	1,924084E+22	1,924082E+22	2,089532E+22	2,315375E+22
1657	2,486903E+22	2,558180E+22	2,564311E+22	2,564343E+22	2,558277E+22	2,487014E+22	2,315442E+22	2,089559E+22	1,924097E+22	1,924098E+22	2,089561E+22	2,315441E+22
1658	2,487004E+22	2,558263E+22	2,564337E+22	2,564312E+22	2,558197E+22	2,486925E+22	2,315400E+22	2,089571E+22	1,924134E+22	1,924133E+22	2,089568E+22	2,315398E+22
1659	2,486921E+22	2,558162E+22	2,564230E+22	2,564240E+22	2,558181E+22	2,486942E+22	2,315441E+22	2,089632E+22	1,924198E+22	1,924176E+22	2,089581E+22	2,315401E+22
1660	2,486952E+22	2,558255E+22	2,564369E+22	2,564372E+22	2,558281E+22	2,486985E+22	2,315418E+22	2,089587E+22	1,924177E+22	1,924191E+22	2,089621E+22	2,315444E+22
1661	2,486973E+22	2,558245E+22	2,564335E+22	2,564297E+22	2,558179E+22	2,486916E+22	2,315401E+22	2,089594E+22	1,924184E+22	1,924189E+22	2,089608E+22	2,315411E+22
1662	2,486911E+22	2,558156E+22	2,564268E+22	2,564310E+22	2,558236E+22	2,486971E+22	2,315444E+22	2,089620E+22	1,924193E+22	1,924189E+22	2,089614E+22	2,315451E+22
1663	2,487004E+22	2,558282E+22	2,564373E+22	2,564380E+22	2,558286E+22	2,486977E+22	2,315409E+22	2,089583E+22	1,924168E+22	1,924173E+22	2,089602E+22	2,315428E+22
1664	2,486958E+22	2,558215E+22	2,564273E+22	2,564233E+22	2,558166E+22	2,486950E+22	2,315438E+22	2,089610E+22	1,924170E+22	1,924152E+22	2,089564E+22	2,315383E+22
1665	2,486908E+22	2,558183E+22	2,564318E+22	2,564342E+22	2,558244E+22	2,486984E+22	2,315450E+22	2,089602E+22	1,924150E+22	1,924132E+22	2,089558E+22	2,315415E+22
1666	2,486993E+22	2,558278E+22	2,564372E+22	2,564364E+22	2,558232E+22	2,486918E+22	2,315374E+22	2,089554E+22	1,924129E+22	1,924132E+22	2,089565E+22	2,315379E+22
1667	2,486894E+22	2,558144E+22	2,564220E+22	2,564233E+22	2,558185E+22	2,486938E+22	2,315403E+22	2,089570E+22	1,924131E+22	1,924124E+22	2,089557E+22	2,315388E+22
1668	2,486917E+22	2,558193E+22	2,564312E+22	2,564335E+22	2,558279E+22	2,487015E+22	2,315418E+22	2,089523E+22	1,924066E+22	1,924083E+22	2,089559E+22	2,315437E+22
1669	2,486989E+22	2,558236E+22	2,564306E+22	2,564272E+22	2,558165E+22	2,486916E+22	2,315386E+22	2,089526E+22	1,924062E+22	1,924059E+22	2,089517E+22	2,315383E+22
1670	2,486929E+22	2,558157E+22	2,564213E+22	2,564231E+22	2,558174E+22	2,486929E+22	2,315403E+22	2,089553E+22	1,924087E+22	1,924066E+22	2,089511E+22	2,315390E+22
1671	2,486987E+22	2,558289E+22	2,564369E+22	2,564355E+22	2,558262E+22	2,486953E+22	2,315367E+22	2,089513E+22	1,924072E+22	1,924073E+22	2,089523E+22	2,315381E+22
1672	2,486942E+22	2,558225E+22	2,564302E+22	2,564252E+22	2,558154E+22	2,486910E+22	2,315376E+22	2,089531E+22	1,924086E+22	1,924084E+22	2,089523E+22	2,315356E+22
1673	2,486875E+22	2,558136E+22	2,564282E+22	2,564334E+22	2,558246E+22	2,486972E+22	2,315416E+22	2,089554E+22	1,924099E+22	1,924094E+22	2,089541E+22	2,315408E+22
1674	2,486980E+22	2,558259E+22	2,564357E+22	2,564377E+22	2,558273E+22	2,486958E+22	2,315386E+22	2,089540E+22	1,924111E+22	1,924128E+22	2,089578E+22	2,315403E+22
1675	2,486915E+22	2,558154E+22	2,564213E+22	2,564212E+22	2,558170E+22	2,486945E+22	2,315431E+22	2,089610E+22	1,924177E+22	1,924166E+22	2,089585E+22	2,315402E+22
1676	2,486922E+22	2,558191E+22	2,564302E+22	2,564314E+22	2,558254E+22	2,487017E+22	2,315465E+22	2,089615E+22	1,924181E+22	1,924177E+22	2,089602E+22	2,315441E+22
1677	2,486996E+22	2,558274E+22	2,564362E+22	2,564321E+22	2,558178E+22	2,486909E+22	2,315414E+22	2,089626E+22	1,924223E+22	1,924220E+22	2,089616E+22	2,315405E+22
1678	2,486917E+22	2,558165E+22	2,564245E+22	2,564257E+22	2,558172E+22	2,486909E+22	2,315418E+22	2,089655E+22	1,924266E+22	1,924257E+22	2,089642E+22	2,315431E+22
1679	2,486959E+22	2,558256E+22	2,564380E+22	2,564393E+22	2,558294E+22	2,486983E+22	2,315415E+22	2,089618E+22	1,924240E+22	1,924257E+22	2,089666E+22	2,315460E+22
1680	2,486968E+22	2,558230E+22	2,564326E+22	2,564298E+22	2,558181E+22	2,486932E+22	2,315430E+22	2,089637E+22	1,924241E+22	1,924247E+22	2,089649E+22	2,315431E+22

1 Longitude ☉	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
Years												
1681	2,486914E+22	2,558148E+22	2,564266E+22	2,564312E+22	2,558226E+22	2,486969E+22	2,315464E+22	2,089662E+22	1,924243E+22	1,924224E+22	2,089622E+22	2,315442E+22
1682	2,487002E+22	2,558301E+22	2,564397E+22	2,564388E+22	2,558272E+22	2,486970E+22	2,315428E+22	2,089627E+22	1,924228E+22	1,924232E+22	2,089632E+22	2,315416E+22
1683	2,486927E+22	2,558199E+22	2,564282E+22	2,564247E+22	2,558150E+22	2,486922E+22	2,315436E+22	2,089654E+22	1,924250E+22	1,924234E+22	2,089614E+22	2,315389E+22
1684	2,486891E+22	2,558166E+22	2,564304E+22	2,564339E+22	2,558255E+22	2,486997E+22	2,315456E+22	2,089628E+22	1,924208E+22	1,924200E+22	2,089605E+22	2,315421E+22
1685	2,486968E+22	2,558253E+22	2,564359E+22	2,564364E+22	2,558237E+22	2,486934E+22	2,315400E+22	2,089594E+22	1,924188E+22	1,924195E+22	2,089607E+22	2,315403E+22
1686	2,486908E+22	2,558141E+22	2,564203E+22	2,564218E+22	2,558165E+22	2,486922E+22	2,315406E+22	2,089599E+22	1,924181E+22	1,924176E+22	2,089598E+22	2,315421E+22
1687	2,486948E+22	2,558218E+22	2,564321E+22	2,564329E+22	2,558256E+22	2,486990E+22	2,315422E+22	2,089571E+22	1,924136E+22	1,924137E+22	2,089581E+22	2,315435E+22
1688	2,486986E+22	2,558248E+22	2,564322E+22	2,564278E+22	2,558150E+22	2,486905E+22	2,315398E+22	2,089571E+22	1,924134E+22	1,924130E+22	2,089557E+22	2,315384E+22
1689	2,486910E+22	2,558152E+22	2,564240E+22	2,564266E+22	2,558173E+22	2,486910E+22	2,315397E+22	2,089578E+22	1,924141E+22	1,924124E+22	2,089543E+22	2,315382E+22
1690	2,486961E+22	2,558280E+22	2,564389E+22	2,564389E+22	2,558281E+22	2,486959E+22	2,315373E+22	2,089538E+22	1,924128E+22	1,924148E+22	2,089584E+22	2,315395E+22
1691	2,486914E+22	2,558186E+22	2,564281E+22	2,564260E+22	2,558166E+22	2,486922E+22	2,315393E+22	2,089572E+22	1,924159E+22	1,924167E+22	2,089588E+22	2,315393E+22
1692	2,486887E+22	2,558124E+22	2,564243E+22	2,564299E+22	2,558245E+22	2,487003E+22	2,315457E+22	2,089606E+22	1,924164E+22	1,924156E+22	2,089580E+22	2,315420E+22
1693	2,486982E+22	2,558262E+22	2,564352E+22	2,564358E+22	2,558248E+22	2,486957E+22	2,315426E+22	2,089616E+22	1,924201E+22	1,924198E+22	2,089606E+22	2,315410E+22
1694	2,486930E+22	2,558173E+22	2,564225E+22	2,564205E+22	2,558130E+22	2,486901E+22	2,315422E+22	2,089657E+22	1,924263E+22	1,924249E+22	2,089631E+22	2,315413E+22
1695	2,486927E+22	2,558212E+22	2,564335E+22	2,564337E+22	2,558237E+22	2,486976E+22	2,315453E+22	2,089663E+22	1,924270E+22	1,924265E+22	2,089651E+22	2,315440E+22
1696	2,486969E+22	2,558259E+22	2,564374E+22	2,564349E+22	2,558192E+22	2,486908E+22	2,315416E+22	2,089660E+22	1,924294E+22	1,924307E+22	2,089683E+22	2,315429E+22
1697	2,486899E+22	2,558140E+22	2,564247E+22	2,564279E+22	2,558187E+22	2,486920E+22	2,315429E+22	2,089676E+22	1,924308E+22	1,924308E+22	2,089681E+22	2,315449E+22
1698	2,486962E+22	2,558258E+22	2,564387E+22	2,564403E+22	2,558302E+22	2,487001E+22	2,315449E+22	2,089659E+22	1,924291E+22	1,924312E+22	2,089705E+22	2,315472E+22
1699	2,486965E+22	2,558222E+22	2,564317E+22	2,564294E+22	2,558171E+22	2,486927E+22	2,315453E+22	2,089697E+22	1,924322E+22	1,924316E+22	2,089683E+22	2,315438E+22
1700	2,486918E+22	2,558156E+22	2,564258E+22	2,564293E+22	2,558219E+22	2,486981E+22	2,315491E+22	2,089715E+22	1,924317E+22	1,924291E+22	2,089649E+22	2,315425E+22
1701	2,486971E+22	2,558294E+22	2,564414E+22	2,564403E+22	2,558266E+22	2,486960E+22	2,315447E+22	2,089683E+22	1,924309E+22	1,924307E+22	2,089671E+22	2,315421E+22
1702	2,486914E+22	2,558180E+22	2,564274E+22	2,564252E+22	2,558142E+22	2,486893E+22	2,315417E+22	2,089675E+22	1,924312E+22	1,924311E+22	2,089678E+22	2,315425E+22
1703	2,486899E+22	2,558160E+22	2,564295E+22	2,564337E+22	2,558250E+22	2,486987E+22	2,315460E+22	2,089659E+22	1,924263E+22	1,924262E+22	2,089654E+22	2,315447E+22
1704	2,486973E+22	2,558246E+22	2,564344E+22	2,564347E+22	2,558221E+22	2,486932E+22	2,315417E+22	2,089628E+22	1,924236E+22	1,924248E+22	2,089650E+22	2,315429E+22
1705	2,486917E+22	2,558149E+22	2,564212E+22	2,564213E+22	2,558142E+22	2,486901E+22	2,315406E+22	2,089624E+22	1,924220E+22	1,924208E+22	2,089608E+22	2,315416E+22
1706	2,486953E+22	2,558248E+22	2,564360E+22	2,564352E+22	2,558249E+22	2,486974E+22	2,315422E+22	2,089595E+22	1,924186E+22	1,924193E+22	2,089609E+22	2,315421E+22
1707	2,486957E+22	2,558236E+22	2,564337E+22	2,564310E+22	2,558155E+22	2,486886E+22	2,315394E+22	2,089606E+22	1,924204E+22	1,924204E+22	2,089602E+22	2,315388E+22
1708	2,486890E+22	2,558134E+22	2,564226E+22	2,564273E+22	2,558204E+22	2,486942E+22	2,315420E+22	2,089614E+22	1,924200E+22	1,924188E+22	2,089584E+22	2,315382E+22
1709	2,486928E+22	2,558250E+22	2,564379E+22	2,564394E+22	2,558295E+22	2,486988E+22	2,315421E+22	2,089599E+22	1,924198E+22	1,924211E+22	2,089622E+22	2,315414E+22
1710	2,486920E+22	2,558172E+22	2,564256E+22	2,564240E+22	2,558145E+22	2,486911E+22	2,315414E+22	2,089629E+22	1,924237E+22	1,924241E+22	2,089639E+22	2,315421E+22
1711	2,486908E+22	2,558142E+22	2,564242E+22	2,564279E+22	2,558211E+22	2,486978E+22	2,315477E+22	2,089677E+22	1,924260E+22	1,924238E+22	2,089621E+22	2,315424E+22
1712	2,486974E+22	2,558267E+22	2,564361E+22	2,564352E+22	2,558220E+22	2,486934E+22	2,315438E+22	2,089673E+22	1,924295E+22	1,924296E+22	2,089669E+22	2,315424E+22
1713	2,486913E+22	2,558172E+22	2,564254E+22	2,564232E+22	2,558119E+22	2,486866E+22	2,315406E+22	2,089683E+22	1,924328E+22	1,924324E+22	2,089682E+22	2,315427E+22
1714	2,486919E+22	2,558216E+22	2,564362E+22	2,564374E+22	2,558256E+22	2,486968E+22	2,315444E+22	2,089678E+22	1,924327E+22	1,924346E+22	2,089719E+22	2,315466E+22
1715	2,486957E+22	2,558236E+22	2,564365E+22	2,564362E+22	2,558207E+22	2,486917E+22	2,315432E+22	2,089695E+22	1,924356E+22	1,924377E+22	2,089740E+22	2,315465E+22
1716	2,486918E+22	2,558145E+22	2,564228E+22	2,564260E+22	2,558196E+22	2,486952E+22	2,315469E+22	2,089725E+22	1,924363E+22	1,924354E+22	2,089704E+22	2,315447E+22

1 Longitude \ominus Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1717	2,486954E+22	2,558265E+22	2,564398E+22	2,564401E+22	2,558291E+22	2,487007E+22	2,315492E+22	2,089732E+22	1,924372E+22	1,924367E+22	2,089717E+22	2,315464E+22
1718	2,486962E+22	2,558230E+22	2,564330E+22	2,564297E+22	2,558151E+22	2,486896E+22	2,315453E+22	2,089744E+22	1,924404E+22	1,924394E+22	2,089723E+22	2,315438E+22
1719	2,486905E+22	2,558159E+22	2,564274E+22	2,564305E+22	2,558208E+22	2,486950E+22	2,315488E+22	2,089763E+22	1,924397E+22	1,924371E+22	2,089697E+22	2,315423E+22
1720	2,486932E+22	2,558257E+22	2,564399E+22	2,564409E+22	2,558276E+22	2,486964E+22	2,315455E+22	2,089714E+22	1,924372E+22	1,924385E+22	2,089738E+22	2,315452E+22
1721	2,486897E+22	2,558152E+22	2,564265E+22	2,564253E+22	2,558139E+22	2,486889E+22	2,315419E+22	2,089689E+22	1,924342E+22	1,924351E+22	2,089715E+22	2,315453E+22
1722	2,486914E+22	2,558166E+22	2,564298E+22	2,564331E+22	2,558237E+22	2,486977E+22	2,315469E+22	2,089683E+22	1,924302E+22	1,924309E+22	2,089691E+22	2,315464E+22
1723	2,486979E+22	2,558249E+22	2,564342E+22	2,564338E+22	2,558203E+22	2,486917E+22	2,315428E+22	2,089670E+22	1,924299E+22	1,924304E+22	2,089681E+22	2,315440E+22
1724	2,486928E+22	2,558172E+22	2,564221E+22	2,564206E+22	2,558140E+22	2,486905E+22	2,315421E+22	2,089660E+22	1,924276E+22	1,924260E+22	2,089627E+22	2,315396E+22
1725	2,486921E+22	2,558245E+22	2,564387E+22	2,564382E+22	2,558260E+22	2,486971E+22	2,315440E+22	2,089647E+22	1,924258E+22	1,924254E+22	2,089637E+22	2,315422E+22
1726	2,486941E+22	2,558215E+22	2,564333E+22	2,564325E+22	2,558170E+22	2,486878E+22	2,315390E+22	2,089635E+22	1,924270E+22	1,924278E+22	2,089657E+22	2,315414E+22
1727	2,486890E+22	2,558123E+22	2,564214E+22	2,564263E+22	2,558200E+22	2,486944E+22	2,315448E+22	2,089669E+22	1,924270E+22	1,924257E+22	2,089631E+22	2,315400E+22
1728	2,486918E+22	2,558229E+22	2,564356E+22	2,564372E+22	2,558279E+22	2,486991E+22	2,315458E+22	2,089663E+22	1,924277E+22	1,924285E+22	2,089673E+22	2,315436E+22
1729	2,486918E+22	2,558176E+22	2,564267E+22	2,564229E+22	2,558112E+22	2,486879E+22	2,315417E+22	2,089674E+22	1,924308E+22	1,924305E+22	2,089672E+22	2,315427E+22
1730	2,486909E+22	2,558166E+22	2,564281E+22	2,564297E+22	2,558192E+22	2,486942E+22	2,315467E+22	2,089710E+22	1,924337E+22	1,924329E+22	2,089679E+22	2,315429E+22
1731	2,486952E+22	2,558257E+22	2,564377E+22	2,564376E+22	2,558224E+22	2,486912E+22	2,315428E+22	2,089708E+22	1,924375E+22	1,924388E+22	2,089736E+22	2,315450E+22
1732	2,486909E+22	2,558164E+22	2,564249E+22	2,564242E+22	2,558152E+22	2,486895E+22	2,315422E+22	2,089712E+22	1,924385E+22	1,924389E+22	2,089729E+22	2,315441E+22
1733	2,486906E+22	2,558203E+22	2,564367E+22	2,564392E+22	2,558277E+22	2,486995E+22	2,315488E+22	2,089737E+22	1,924392E+22	1,924399E+22	2,089750E+22	2,315490E+22
1734	2,486974E+22	2,558233E+22	2,564353E+22	2,564355E+22	2,558203E+22	2,486912E+22	2,315453E+22	2,089751E+22	1,924431E+22	1,924442E+22	2,089777E+22	2,315482E+22
1735	2,486932E+22	2,558164E+22	2,564240E+22	2,564251E+22	2,558176E+22	2,486941E+22	2,315501E+22	2,089800E+22	1,924453E+22	1,924428E+22	2,089736E+22	2,315437E+22
1736	2,486927E+22	2,558253E+22	2,564407E+22	2,564402E+22	2,558274E+22	2,486994E+22	2,315511E+22	2,089791E+22	1,924459E+22	1,924454E+22	2,089770E+22	2,315465E+22
1737	2,486926E+22	2,558209E+22	2,564343E+22	2,564310E+22	2,558141E+22	2,486866E+22	2,315438E+22	2,089770E+22	1,924464E+22	1,924464E+22	2,089773E+22	2,315454E+22
1738	2,486893E+22	2,558147E+22	2,564278E+22	2,564316E+22	2,558216E+22	2,486943E+22	2,315476E+22	2,089770E+22	1,924446E+22	1,924446E+22	2,089761E+22	2,315455E+22
1739	2,486930E+22	2,558230E+22	2,564371E+22	2,564390E+22	2,558268E+22	2,486962E+22	2,315463E+22	2,089740E+22	1,924419E+22	1,924440E+22	2,089788E+22	2,315494E+22
1740	2,486930E+22	2,558165E+22	2,564247E+22	2,564224E+22	2,558132E+22	2,486898E+22	2,315441E+22	2,089724E+22	1,924380E+22	1,924378E+22	2,089725E+22	2,315454E+22
1741	2,486920E+22	2,558190E+22	2,564327E+22	2,564338E+22	2,558222E+22	2,486963E+22	2,315487E+22	2,089734E+22	1,924362E+22	1,924343E+22	2,089691E+22	2,315455E+22
1742	2,486980E+22	2,558261E+22	2,564367E+22	2,564354E+22	2,558195E+22	2,486885E+22	2,315416E+22	2,089702E+22	1,924363E+22	1,924367E+22	2,089709E+22	2,315432E+22
1743	2,486911E+22	2,558175E+22	2,564248E+22	2,564231E+22	2,558147E+22	2,486894E+22	2,315429E+22	2,089705E+22	1,924344E+22	1,924329E+22	2,089665E+22	2,315386E+22
1744	2,486873E+22	2,558200E+22	2,564374E+22	2,564392E+22	2,558281E+22	2,486992E+22	2,315466E+22	2,089692E+22	1,924326E+22	1,924330E+22	2,089692E+22	2,315437E+22
1745	2,486912E+22	2,558183E+22	2,564322E+22	2,564319E+22	2,558170E+22	2,486883E+22	2,315410E+22	2,089676E+22	1,924325E+22	1,924334E+22	2,089698E+22	2,315437E+22
1746	2,486898E+22	2,558124E+22	2,564212E+22	2,564251E+22	2,558185E+22	2,486935E+22	2,315462E+22	2,089714E+22	1,924344E+22	1,924336E+22	2,089682E+22	2,315419E+22
1747	2,486919E+22	2,558222E+22	2,564346E+22	2,564351E+22	2,558254E+22	2,486972E+22	2,315470E+22	2,089721E+22	1,924367E+22	1,924373E+22	2,089729E+22	2,315463E+22
1748	2,486931E+22	2,558190E+22	2,564275E+22	2,564226E+22	2,558106E+22	2,486868E+22	2,315423E+22	2,089717E+22	1,924381E+22	1,924381E+22	2,089718E+22	2,315432E+22
1749	2,486892E+22	2,558166E+22	2,564313E+22	2,564331E+22	2,558201E+22	2,486929E+22	2,315470E+22	2,089755E+22	1,924414E+22	1,924403E+22	2,089729E+22	2,315457E+22
1750	2,486956E+22	2,558245E+22	2,564379E+22	2,564393E+22	2,558242E+22	2,486910E+22	2,315424E+22	2,089734E+22	1,924440E+22	1,924467E+22	2,089799E+22	2,315488E+22
1751	2,486927E+22	2,558173E+22	2,564255E+22	2,564239E+22	2,558150E+22	2,486903E+22	2,315456E+22	2,089768E+22	1,924448E+22	1,924449E+22	2,089766E+22	2,315452E+22
1752	2,486900E+22	2,558192E+22	2,564358E+22	2,564380E+22	2,558270E+22	2,487005E+22	2,315529E+22	2,089807E+22	1,924473E+22	1,924464E+22	2,089781E+22	2,315490E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1753	2,486961E+22	2,558239E+22	2,564375E+22	2,564356E+22	2,558184E+22	2,486891E+22	2,315460E+22	2,089800E+22	1,924503E+22	1,924501E+22	2,089798E+22	2,315471E+22
1754	2,486916E+22	2,558170E+22	2,564270E+22	2,564268E+22	2,558164E+22	2,486915E+22	2,315493E+22	2,089834E+22	1,924531E+22	1,924518E+22	2,089786E+22	2,315433E+22
1755	2,486890E+22	2,558215E+22	2,564398E+22	2,564410E+22	2,558277E+22	2,486983E+22	2,315511E+22	2,089828E+22	1,924534E+22	1,924540E+22	2,089835E+22	2,315494E+22
1756	2,486920E+22	2,558186E+22	2,564319E+22	2,564301E+22	2,558157E+22	2,486886E+22	2,315451E+22	2,089794E+22	1,924510E+22	1,924519E+22	2,089817E+22	2,315474E+22
1757	2,486890E+22	2,558135E+22	2,564276E+22	2,564316E+22	2,558212E+22	2,486947E+22	2,315502E+22	2,089816E+22	1,924498E+22	1,924485E+22	2,089786E+22	2,315484E+22
1758	2,486959E+22	2,558237E+22	2,564364E+22	2,564373E+22	2,558250E+22	2,486942E+22	2,315464E+22	2,089778E+22	1,924478E+22	1,924492E+22	2,089815E+22	2,315508E+22
1759	2,486952E+22	2,558197E+22	2,564274E+22	2,564219E+22	2,558106E+22	2,486880E+22	2,315457E+22	2,089775E+22	1,924446E+22	1,924432E+22	2,089742E+22	2,315437E+22
1760	2,486894E+22	2,558183E+22	2,564348E+22	2,564357E+22	2,558220E+22	2,486954E+22	2,315499E+22	2,089781E+22	1,924433E+22	1,924412E+22	2,089727E+22	2,315445E+22
1761	2,486941E+22	2,558242E+22	2,564389E+22	2,564382E+22	2,558206E+22	2,486872E+22	2,315403E+22	2,089723E+22	1,924416E+22	1,924425E+22	2,089748E+22	2,315440E+22
1762	2,486892E+22	2,558154E+22	2,564252E+22	2,564247E+22	2,558165E+22	2,486904E+22	2,315430E+22	2,089723E+22	1,924401E+22	1,924407E+22	2,089725E+22	2,315411E+22
1763	2,486862E+22	2,558160E+22	2,564337E+22	2,564367E+22	2,558275E+22	2,487004E+22	2,315495E+22	2,089739E+22	1,924391E+22	1,924398E+22	2,089747E+22	2,315474E+22
1764	2,486935E+22	2,558183E+22	2,564295E+22	2,564284E+22	2,558156E+22	2,486890E+22	2,315437E+22	2,089729E+22	1,924392E+22	1,924389E+22	2,089725E+22	2,315444E+22
1765	2,486903E+22	2,558141E+22	2,564239E+22	2,564255E+22	2,558162E+22	2,486912E+22	2,315474E+22	2,089774E+22	1,924427E+22	1,924398E+22	2,089710E+22	2,315431E+22
1766	2,486931E+22	2,558232E+22	2,564364E+22	2,564360E+22	2,558234E+22	2,486930E+22	2,315450E+22	2,089756E+22	1,924447E+22	1,924459E+22	2,089784E+22	2,315478E+22
1767	2,486931E+22	2,558200E+22	2,564304E+22	2,564251E+22	2,558109E+22	2,486858E+22	2,315430E+22	2,089759E+22	1,924452E+22	1,924458E+22	2,089769E+22	2,315441E+22
1768	2,486868E+22	2,558140E+22	2,564315E+22	2,564349E+22	2,558223E+22	2,486949E+22	2,315493E+22	2,089797E+22	1,924479E+22	1,924474E+22	2,089781E+22	2,315473E+22
1769	2,486942E+22	2,558231E+22	2,564382E+22	2,564394E+22	2,558242E+22	2,486916E+22	2,315444E+22	2,089777E+22	1,924497E+22	1,924519E+22	2,089829E+22	2,315500E+22
1770	2,486934E+22	2,558182E+22	2,564269E+22	2,564242E+22	2,558145E+22	2,486905E+22	2,315476E+22	2,089819E+22	1,924531E+22	1,924530E+22	2,089805E+22	2,315452E+22
1771	2,486886E+22	2,558178E+22	2,564351E+22	2,564367E+22	2,558251E+22	2,486997E+22	2,315551E+22	2,089872E+22	1,924568E+22	1,924552E+22	2,089829E+22	2,315495E+22
1772	2,486952E+22	2,558234E+22	2,564374E+22	2,564356E+22	2,558181E+22	2,486885E+22	2,315472E+22	2,089851E+22	1,924584E+22	1,924579E+22	2,089842E+22	2,315470E+22
1773	2,486889E+22	2,558154E+22	2,564286E+22	2,564294E+22	2,558169E+22	2,486902E+22	2,315494E+22	2,089876E+22	1,924605E+22	1,924588E+22	2,089839E+22	2,315468E+22
1774	2,486895E+22	2,558191E+22	2,564375E+22	2,564401E+22	2,558274E+22	2,486974E+22	2,315504E+22	2,089848E+22	1,924590E+22	1,924611E+22	2,089897E+22	2,315537E+22
1775	2,486949E+22	2,558197E+22	2,564317E+22	2,564286E+22	2,558134E+22	2,486883E+22	2,315477E+22	2,089837E+22	1,924558E+22	1,924565E+22	2,089848E+22	2,315489E+22
1776	2,486897E+22	2,558140E+22	2,564279E+22	2,564308E+22	2,558195E+22	2,486939E+22	2,315518E+22	2,089862E+22	1,924559E+22	1,924534E+22	2,089808E+22	2,315478E+22
1777	2,486952E+22	2,558257E+22	2,564399E+22	2,564383E+22	2,558231E+22	2,486916E+22	2,315454E+22	2,089804E+22	1,924530E+22	1,924537E+22	2,089827E+22	2,315491E+22
1778	2,486937E+22	2,558208E+22	2,564315E+22	2,564258E+22	2,558114E+22	2,486865E+22	2,315442E+22	2,089793E+22	1,924509E+22	1,924507E+22	2,089780E+22	2,315424E+22
1779	2,486853E+22	2,558140E+22	2,564334E+22	2,564372E+22	2,558242E+22	2,486967E+22	2,315509E+22	2,089815E+22	1,924497E+22	1,924484E+22	2,089779E+22	2,315463E+22
1780	2,486927E+22	2,558209E+22	2,564358E+22	2,564378E+22	2,558232E+22	2,486907E+22	2,315433E+22	2,089759E+22	1,924465E+22	1,924476E+22	2,089785E+22	2,315454E+22
1781	2,486885E+22	2,558134E+22	2,564241E+22	2,564242E+22	2,558157E+22	2,486913E+22	2,315467E+22	2,089785E+22	1,924467E+22	1,924456E+22	2,089760E+22	2,315445E+22
1782	2,486888E+22	2,558158E+22	2,564314E+22	2,564337E+22	2,558244E+22	2,486987E+22	2,315506E+22	2,089792E+22	1,924472E+22	1,924473E+22	2,089793E+22	2,315498E+22
1783	2,486960E+22	2,558215E+22	2,564318E+22	2,564271E+22	2,558112E+22	2,486863E+22	2,315453E+22	2,089785E+22	1,924472E+22	1,924467E+22	2,089765E+22	2,315442E+22
1784	2,486887E+22	2,558139E+22	2,564260E+22	2,564272E+22	2,558150E+22	2,486887E+22	2,315471E+22	2,089818E+22	1,924509E+22	1,924485E+22	2,089764E+22	2,315435E+22
1785	2,486910E+22	2,558229E+22	2,564391E+22	2,564388E+22	2,558242E+22	2,486913E+22	2,315428E+22	2,089771E+22	1,924504E+22	1,924527E+22	2,089832E+22	2,315498E+22
1786	2,486930E+22	2,558196E+22	2,564319E+22	2,564276E+22	2,558127E+22	2,486867E+22	2,315429E+22	2,089776E+22	1,924511E+22	1,924534E+22	2,089821E+22	2,315461E+22
1787	2,486864E+22	2,558117E+22	2,564293E+22	2,564338E+22	2,558224E+22	2,486968E+22	2,315531E+22	2,089855E+22	1,924550E+22	1,924539E+22	2,089822E+22	2,315493E+22
1788	2,486954E+22	2,558236E+22	2,564374E+22	2,564383E+22	2,558239E+22	2,486927E+22	2,315477E+22	2,089840E+22	1,924573E+22	1,924576E+22	2,089847E+22	2,315487E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1789	2,486918E+22	2,558187E+22	2,564298E+22	2,564261E+22	2,558131E+22	2,486891E+22	2,315497E+22	2,089887E+22	1,924623E+22	1,924602E+22	2,089839E+22	2,315456E+22
1790	2,486874E+22	2,558162E+22	2,564349E+22	2,564374E+22	2,558241E+22	2,486972E+22	2,315543E+22	2,089915E+22	1,924657E+22	1,924650E+22	2,089893E+22	2,315510E+22
1791	2,486940E+22	2,558225E+22	2,564379E+22	2,564362E+22	2,558175E+22	2,486882E+22	2,315486E+22	2,089893E+22	1,924655E+22	1,924662E+22	2,089901E+22	2,315488E+22
1792	2,486871E+22	2,558123E+22	2,564271E+22	2,564295E+22	2,558174E+22	2,486912E+22	2,315512E+22	2,089915E+22	1,924667E+22	1,924657E+22	2,089893E+22	2,315493E+22
1793	2,486900E+22	2,558194E+22	2,564375E+22	2,564391E+22	2,558254E+22	2,486960E+22	2,315507E+22	2,089878E+22	1,924636E+22	1,924655E+22	2,089925E+22	2,315557E+22
1794	2,486970E+22	2,558221E+22	2,564338E+22	2,564293E+22	2,558124E+22	2,486871E+22	2,315475E+22	2,089866E+22	1,924621E+22	1,924629E+22	2,089877E+22	2,315487E+22
1795	2,486890E+22	2,558140E+22	2,564286E+22	2,564309E+22	2,558183E+22	2,486933E+22	2,315532E+22	2,089904E+22	1,924624E+22	1,924598E+22	2,089842E+22	2,315478E+22
1796	2,486939E+22	2,558253E+22	2,564405E+22	2,564401E+22	2,558243E+22	2,486919E+22	2,315463E+22	2,089837E+22	1,924586E+22	1,924592E+22	2,089855E+22	2,315482E+22
1797	2,486906E+22	2,558189E+22	2,564329E+22	2,564293E+22	2,558136E+22	2,486875E+22	2,315453E+22	2,089829E+22	1,924567E+22	1,924561E+22	2,089823E+22	2,315453E+22
1798	2,486854E+22	2,558109E+22	2,564296E+22	2,564353E+22	2,558238E+22	2,486972E+22	2,315520E+22	2,089846E+22	1,924554E+22	1,924551E+22	2,089832E+22	2,315494E+22
1799	2,486945E+22	2,558211E+22	2,564343E+22	2,564349E+22	2,558197E+22	2,486907E+22	2,315475E+22	2,089817E+22	1,924527E+22	1,924530E+22	2,089816E+22	2,315465E+22
1800	2,486888E+22	2,558137E+22	2,564240E+22	2,564230E+22	2,558127E+22	2,486892E+22	2,315481E+22	2,089839E+22	1,924544E+22	1,924521E+22	2,089789E+22	2,315439E+22
1801	2,486881E+22	2,558180E+22	2,564344E+22	2,564337E+22	2,558204E+22	2,486939E+22	2,315485E+22	2,089820E+22	1,924537E+22	1,924539E+22	2,089826E+22	2,315494E+22
1802	2,486951E+22	2,558228E+22	2,564357E+22	2,564310E+22	2,558116E+22	2,486839E+22	2,315427E+22	2,089800E+22	1,924542E+22	1,924555E+22	2,089820E+22	2,315444E+22
1803	2,486859E+22	2,558112E+22	2,564256E+22	2,564292E+22	2,558171E+22	2,486899E+22	2,315477E+22	2,089845E+22	1,924571E+22	1,924562E+22	2,089823E+22	2,315460E+22
1804	2,486904E+22	2,558209E+22	2,564375E+22	2,564397E+22	2,558268E+22	2,486944E+22	2,315459E+22	2,089811E+22	1,924559E+22	1,924580E+22	2,089865E+22	2,315507E+22
1805	2,486925E+22	2,558189E+22	2,564325E+22	2,564295E+22	2,558137E+22	2,486883E+22	2,315469E+22	2,089844E+22	1,924586E+22	1,924588E+22	2,089853E+22	2,315482E+22
1806	2,486875E+22	2,558112E+22	2,564274E+22	2,564320E+22	2,558206E+22	2,486963E+22	2,315555E+22	2,089921E+22	1,924646E+22	1,924626E+22	2,089868E+22	2,315499E+22
1807	2,486953E+22	2,558249E+22	2,564392E+22	2,564378E+22	2,558206E+22	2,486916E+22	2,315513E+22	2,089911E+22	1,924667E+22	1,924666E+22	2,089896E+22	2,315483E+22
1808	2,486887E+22	2,558167E+22	2,564306E+22	2,564280E+22	2,558125E+22	2,486873E+22	2,315503E+22	2,089942E+22	1,924717E+22	1,924701E+22	2,089906E+22	2,315468E+22
1809	2,486853E+22	2,558150E+22	2,564351E+22	2,564379E+22	2,558234E+22	2,486953E+22	2,315528E+22	2,089934E+22	1,924719E+22	1,924729E+22	2,089957E+22	2,315546E+22
1810	2,486951E+22	2,558224E+22	2,564379E+22	2,564367E+22	2,558177E+22	2,486881E+22	2,315481E+22	2,089908E+22	1,924710E+22	1,924736E+22	2,089958E+22	2,315520E+22
1811	2,486884E+22	2,558118E+22	2,564251E+22	2,564274E+22	2,558160E+22	2,486914E+22	2,315534E+22	2,089956E+22	1,924722E+22	1,924708E+22	2,089929E+22	2,315517E+22
1812	2,486924E+22	2,558215E+22	2,564383E+22	2,564390E+22	2,558245E+22	2,486954E+22	2,315522E+22	2,089918E+22	1,924689E+22	1,924692E+22	2,089930E+22	2,315541E+22
1813	2,486960E+22	2,558238E+22	2,564379E+22	2,564331E+22	2,558123E+22	2,486856E+22	2,315483E+22	2,089909E+22	1,924681E+22	1,924674E+22	2,089896E+22	2,315484E+22
1814	2,486872E+22	2,558126E+22	2,564288E+22	2,564327E+22	2,558190E+22	2,486924E+22	2,315531E+22	2,089936E+22	1,924689E+22	1,924671E+22	2,089887E+22	2,315479E+22
1815	2,486917E+22	2,558238E+22	2,564407E+22	2,564409E+22	2,558246E+22	2,486935E+22	2,315494E+22	2,089875E+22	1,924640E+22	1,924652E+22	2,089895E+22	2,315484E+22
1816	2,486876E+22	2,558150E+22	2,564303E+22	2,564288E+22	2,558138E+22	2,486889E+22	2,315486E+22	2,089878E+22	1,924630E+22	1,924624E+22	2,089865E+22	2,315464E+22
1817	2,486851E+22	2,558107E+22	2,564279E+22	2,564325E+22	2,558209E+22	2,486955E+22	2,315529E+22	2,089885E+22	1,924613E+22	1,924606E+22	2,089866E+22	2,315510E+22
1818	2,486958E+22	2,558230E+22	2,564352E+22	2,564342E+22	2,558172E+22	2,486881E+22	2,315466E+22	2,089852E+22	1,924604E+22	1,924609E+22	2,089858E+22	2,315468E+22
1819	2,486880E+22	2,558137E+22	2,564244E+22	2,564227E+22	2,558106E+22	2,486870E+22	2,315483E+22	2,089879E+22	1,924617E+22	1,924599E+22	2,089841E+22	2,315454E+22
1820	2,486876E+22	2,558179E+22	2,564359E+22	2,564366E+22	2,558213E+22	2,486922E+22	2,315476E+22	2,089845E+22	1,924595E+22	1,924603E+22	2,089867E+22	2,315500E+22
1821	2,486932E+22	2,558218E+22	2,564376E+22	2,564354E+22	2,558146E+22	2,486849E+22	2,315433E+22	2,089827E+22	1,924594E+22	1,924612E+22	2,089872E+22	2,315481E+22
1822	2,486865E+22	2,558094E+22	2,564232E+22	2,564285E+22	2,558178E+22	2,486916E+22	2,315502E+22	2,089884E+22	1,924632E+22	1,924629E+22	2,089874E+22	2,315486E+22
1823	2,486919E+22	2,558220E+22	2,564374E+22	2,564380E+22	2,558244E+22	2,486958E+22	2,315516E+22	2,089881E+22	1,924632E+22	1,924640E+22	2,089892E+22	2,315504E+22
1824	2,486914E+22	2,558189E+22	2,564330E+22	2,564296E+22	2,558123E+22	2,486877E+22	2,315501E+22	2,089920E+22	1,924686E+22	1,924672E+22	2,089887E+22	2,315467E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1825	2,486857E+22	2,558125E+22	2,564292E+22	2,564320E+22	2,558179E+22	2,486928E+22	2,315549E+22	2,089967E+22	1,924733E+22	1,924715E+22	2,089919E+22	2,315502E+22
1826	2,486932E+22	2,558243E+22	2,564410E+22	2,564406E+22	2,558211E+22	2,486895E+22	2,315496E+22	2,089942E+22	1,924755E+22	1,924769E+22	2,089966E+22	2,315501E+22
1827	2,486864E+22	2,558134E+22	2,564288E+22	2,564281E+22	2,558133E+22	2,486880E+22	2,315515E+22	2,089975E+22	1,924782E+22	1,924782E+22	2,089977E+22	2,315510E+22
1828	2,486863E+22	2,558136E+22	2,564334E+22	2,564375E+22	2,558234E+22	2,486957E+22	2,315549E+22	2,089970E+22	1,924769E+22	1,924778E+22	2,089993E+22	2,315568E+22
1829	2,486965E+22	2,558238E+22	2,564393E+22	2,564380E+22	2,558178E+22	2,486883E+22	2,315505E+22	2,089957E+22	1,924766E+22	1,924778E+22	2,089988E+22	2,315545E+22
1830	2,486905E+22	2,558136E+22	2,564253E+22	2,564263E+22	2,558141E+22	2,486900E+22	2,315543E+22	2,089998E+22	1,924791E+22	1,924773E+22	2,089960E+22	2,315516E+22
1831	2,486922E+22	2,558236E+22	2,564413E+22	2,564396E+22	2,558222E+22	2,486945E+22	2,315550E+22	2,089970E+22	1,924757E+22	1,924753E+22	2,089956E+22	2,315522E+22
1832	2,486921E+22	2,558216E+22	2,564392E+22	2,564367E+22	2,558143E+22	2,486850E+22	2,315490E+22	2,089951E+22	1,924752E+22	1,924746E+22	2,089936E+22	2,315476E+22
1833	2,486841E+22	2,558107E+22	2,564277E+22	2,564325E+22	2,558192E+22	2,486917E+22	2,315525E+22	2,089953E+22	1,924738E+22	1,924731E+22	2,089935E+22	2,315500E+22
1834	2,486908E+22	2,558220E+22	2,564391E+22	2,564402E+22	2,558245E+22	2,486937E+22	2,315501E+22	2,089904E+22	1,924696E+22	1,924716E+22	2,089941E+22	2,315505E+22
1835	2,486876E+22	2,558136E+22	2,564275E+22	2,564256E+22	2,558113E+22	2,486881E+22	2,315509E+22	2,089925E+22	1,924691E+22	1,924681E+22	2,089904E+22	2,315485E+22
1836	2,486864E+22	2,558119E+22	2,564282E+22	2,564317E+22	2,558182E+22	2,486926E+22	2,315531E+22	2,089923E+22	1,924674E+22	1,924658E+22	2,089886E+22	2,315504E+22
1837	2,486949E+22	2,558245E+22	2,564389E+22	2,564374E+22	2,558170E+22	2,486857E+22	2,315460E+22	2,089883E+22	1,924662E+22	1,924668E+22	2,089900E+22	2,315484E+22
1838	2,486870E+22	2,558128E+22	2,564246E+22	2,564243E+22	2,558116E+22	2,486860E+22	2,315474E+22	2,089901E+22	1,924678E+22	1,924674E+22	2,089897E+22	2,315472E+22
1839	2,486868E+22	2,558175E+22	2,564366E+22	2,564376E+22	2,558221E+22	2,486944E+22	2,315512E+22	2,089884E+22	1,924647E+22	1,924660E+22	2,089908E+22	2,315513E+22
1840	2,486916E+22	2,558194E+22	2,564366E+22	2,564366E+22	2,558164E+22	2,486869E+22	2,315475E+22	2,089889E+22	1,924665E+22	1,924675E+22	2,089906E+22	2,315486E+22
1841	2,486864E+22	2,558103E+22	2,564227E+22	2,564268E+22	2,558159E+22	2,486909E+22	2,315526E+22	2,089943E+22	1,924710E+22	1,924697E+22	2,089910E+22	2,315493E+22
1842	2,486916E+22	2,558232E+22	2,564389E+22	2,564381E+22	2,558229E+22	2,486943E+22	2,315526E+22	2,089940E+22	1,924733E+22	1,924735E+22	2,089940E+22	2,315502E+22
1843	2,486891E+22	2,558177E+22	2,564330E+22	2,564292E+22	2,558107E+22	2,486859E+22	2,315516E+22	2,089981E+22	1,924783E+22	1,924772E+22	2,089955E+22	2,315488E+22
1844	2,486845E+22	2,558110E+22	2,564296E+22	2,564338E+22	2,558183E+22	2,486908E+22	2,315543E+22	2,090003E+22	1,924809E+22	1,924798E+22	2,089979E+22	2,315525E+22
1845	2,486923E+22	2,558230E+22	2,564415E+22	2,564427E+22	2,558227E+22	2,486897E+22	2,315500E+22	2,089970E+22	1,924809E+22	1,924835E+22	2,090032E+22	2,315554E+22
1846	2,486884E+22	2,558127E+22	2,564267E+22	2,564263E+22	2,558124E+22	2,486881E+22	2,315532E+22	2,090011E+22	1,924838E+22	1,924845E+22	2,090027E+22	2,315546E+22
1847	2,486893E+22	2,558166E+22	2,564351E+22	2,564362E+22	2,558204E+22	2,486952E+22	2,315583E+22	2,090023E+22	1,924827E+22	1,924822E+22	2,090009E+22	2,315562E+22
1848	2,486956E+22	2,558247E+22	2,564416E+22	2,564396E+22	2,558172E+22	2,486869E+22	2,315519E+22	2,090011E+22	1,924843E+22	1,924839E+22	2,090002E+22	2,315517E+22
1849	2,486881E+22	2,558151E+22	2,564282E+22	2,564279E+22	2,558134E+22	2,486876E+22	2,315534E+22	2,090028E+22	1,924854E+22	1,924839E+22	2,089992E+22	2,315503E+22
1850	2,486886E+22	2,558219E+22	2,564428E+22	2,564427E+22	2,558244E+22	2,486940E+22	2,315539E+22	2,089995E+22	1,924825E+22	1,924829E+22	2,090003E+22	2,315523E+22
1851	2,486882E+22	2,558168E+22	2,564361E+22	2,564360E+22	2,558158E+22	2,486871E+22	2,315516E+22	2,089990E+22	1,924810E+22	1,924810E+22	2,089990E+22	2,315505E+22
1852	2,486838E+22	2,558078E+22	2,564248E+22	2,564310E+22	2,558186E+22	2,486918E+22	2,315548E+22	2,089995E+22	1,924787E+22	1,924775E+22	2,089965E+22	2,315518E+22
1853	2,486914E+22	2,558217E+22	2,564386E+22	2,564394E+22	2,558235E+22	2,486930E+22	2,315519E+22	2,089950E+22	1,924751E+22	1,924763E+22	2,089979E+22	2,315535E+22
1854	2,486891E+22	2,558144E+22	2,564271E+22	2,564232E+22	2,558082E+22	2,486858E+22	2,315512E+22	2,089965E+22	1,924758E+22	1,924751E+22	2,089949E+22	2,315500E+22
1855	2,486870E+22	2,558142E+22	2,564315E+22	2,564319E+22	2,558153E+22	2,486902E+22	2,315541E+22	2,089963E+22	1,924736E+22	1,924722E+22	2,089925E+22	2,315504E+22
1856	2,486925E+22	2,558232E+22	2,564407E+22	2,564408E+22	2,558192E+22	2,486851E+22	2,315459E+22	2,089917E+22	1,924728E+22	1,924738E+22	2,089943E+22	2,315490E+22
1857	2,486862E+22	2,558128E+22	2,564249E+22	2,564246E+22	2,558125E+22	2,486861E+22	2,315474E+22	2,089920E+22	1,924725E+22	1,924733E+22	2,089943E+22	2,315496E+22
1858	2,486871E+22	2,558171E+22	2,564365E+22	2,564378E+22	2,558227E+22	2,486950E+22	2,315531E+22	2,089931E+22	1,924716E+22	1,924722E+22	2,089943E+22	2,315523E+22
1859	2,486913E+22	2,558188E+22	2,564355E+22	2,564349E+22	2,558153E+22	2,486871E+22	2,315511E+22	2,089958E+22	1,924749E+22	1,924743E+22	2,089942E+22	2,315494E+22
1860	2,486861E+22	2,558105E+22	2,564241E+22	2,564269E+22	2,558138E+22	2,486883E+22	2,315537E+22	2,090002E+22	1,924796E+22	1,924772E+22	2,089943E+22	2,315485E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1861	2,486892E+22	2,558226E+22	2,564416E+22	2,564413E+22	2,558236E+22	2,486928E+22	2,315529E+22	2,089987E+22	1,924811E+22	1,924821E+22	2,090006E+22	2,315526E+22
1862	2,486874E+22	2,558155E+22	2,564323E+22	2,564297E+22	2,558111E+22	2,486850E+22	2,315513E+22	2,090014E+22	1,924860E+22	1,924866E+22	2,090030E+22	2,315522E+22
1863	2,486844E+22	2,558103E+22	2,564296E+22	2,564329E+22	2,558173E+22	2,486916E+22	2,315571E+22	2,090046E+22	1,924871E+22	1,924866E+22	2,090031E+22	2,315551E+22
1864	2,486923E+22	2,558218E+22	2,564410E+22	2,564432E+22	2,558233E+22	2,486904E+22	2,315528E+22	2,090026E+22	1,924881E+22	1,924897E+22	2,090064E+22	2,315563E+22
1865	2,486900E+22	2,558153E+22	2,564275E+22	2,564249E+22	2,558103E+22	2,486862E+22	2,315537E+22	2,090052E+22	1,924904E+22	1,924903E+22	2,090055E+22	2,315550E+22
1866	2,486895E+22	2,558185E+22	2,564381E+22	2,564377E+22	2,558197E+22	2,486933E+22	2,315584E+22	2,090071E+22	1,924908E+22	1,924895E+22	2,090040E+22	2,315551E+22
1867	2,486929E+22	2,558233E+22	2,564426E+22	2,564411E+22	2,558178E+22	2,486863E+22	2,315532E+22	2,090059E+22	1,924917E+22	1,924915E+22	2,090051E+22	2,315522E+22
1868	2,486853E+22	2,558119E+22	2,564284E+22	2,564302E+22	2,558150E+22	2,486871E+22	2,315533E+22	2,090056E+22	1,924912E+22	1,924902E+22	2,090036E+22	2,315515E+22
1869	2,486865E+22	2,558185E+22	2,564415E+22	2,564437E+22	2,558266E+22	2,486960E+22	2,315557E+22	2,090022E+22	1,924865E+22	1,924882E+22	2,090058E+22	2,315565E+22
1870	2,486892E+22	2,558148E+22	2,564324E+22	2,564320E+22	2,558137E+22	2,486873E+22	2,315539E+22	2,090034E+22	1,924866E+22	1,924867E+22	2,090033E+22	2,315537E+22
1871	2,486865E+22	2,558100E+22	2,564252E+22	2,564275E+22	2,558140E+22	2,486903E+22	2,315574E+22	2,090048E+22	1,924849E+22	1,924822E+22	2,089984E+22	2,315519E+22
1872	2,486915E+22	2,558227E+22	2,564406E+22	2,564400E+22	2,558217E+22	2,486902E+22	2,315520E+22	2,089997E+22	1,924825E+22	1,924826E+22	2,090000E+22	2,315521E+22
1873	2,486884E+22	2,558164E+22	2,564301E+22	2,564247E+22	2,558071E+22	2,486824E+22	2,315489E+22	2,089982E+22	1,924813E+22	1,924815E+22	2,089990E+22	2,315505E+22
1874	2,486854E+22	2,558137E+22	2,564340E+22	2,564355E+22	2,558176E+22	2,486895E+22	2,315525E+22	2,089983E+22	1,924796E+22	1,924787E+22	2,089968E+22	2,315513E+22
1875	2,486903E+22	2,558202E+22	2,564391E+22	2,564410E+22	2,558213E+22	2,486877E+22	2,315490E+22	2,089959E+22	1,924785E+22	1,924798E+22	2,089988E+22	2,315513E+22
1876	2,486861E+22	2,558110E+22	2,564244E+22	2,564249E+22	2,558129E+22	2,486868E+22	2,315503E+22	2,089974E+22	1,924789E+22	1,924785E+22	2,089968E+22	2,315502E+22
1877	2,486869E+22	2,558167E+22	2,564370E+22	2,564381E+22	2,558228E+22	2,486954E+22	2,315557E+22	2,089990E+22	1,924790E+22	1,924788E+22	2,089984E+22	2,315536E+22
1878	2,486907E+22	2,558183E+22	2,564351E+22	2,564330E+22	2,558129E+22	2,486858E+22	2,315529E+22	2,090021E+22	1,924845E+22	1,924838E+22	2,090001E+22	2,315508E+22
1879	2,486853E+22	2,558109E+22	2,564264E+22	2,564270E+22	2,558114E+22	2,486864E+22	2,315550E+22	2,090055E+22	1,924882E+22	1,924859E+22	2,090000E+22	2,315497E+22
1880	2,486868E+22	2,558196E+22	2,564415E+22	2,564430E+22	2,558249E+22	2,486921E+22	2,315529E+22	2,090029E+22	1,924893E+22	1,924909E+22	2,090065E+22	2,315549E+22
1881	2,486880E+22	2,558154E+22	2,564316E+22	2,564286E+22	2,558105E+22	2,486845E+22	2,315512E+22	2,090037E+22	1,924914E+22	1,924936E+22	2,090089E+22	2,315561E+22
1882	2,486867E+22	2,558115E+22	2,564304E+22	2,564328E+22	2,558164E+22	2,486904E+22	2,315576E+22	2,090088E+22	1,924939E+22	1,924926E+22	2,090065E+22	2,315565E+22
1883	2,486931E+22	2,558226E+22	2,564414E+22	2,564421E+22	2,558221E+22	2,486899E+22	2,315551E+22	2,090085E+22	1,924957E+22	1,924959E+22	2,090092E+22	2,315564E+22
1884	2,486895E+22	2,558160E+22	2,564309E+22	2,564275E+22	2,558096E+22	2,486842E+22	2,315538E+22	2,090095E+22	1,924974E+22	1,924963E+22	2,090075E+22	2,315532E+22
1885	2,486864E+22	2,558173E+22	2,564406E+22	2,564418E+22	2,558222E+22	2,486933E+22	2,315588E+22	2,090105E+22	1,924967E+22	1,924962E+22	2,090089E+22	2,315558E+22
1886	2,486898E+22	2,558198E+22	2,564408E+22	2,564411E+22	2,558192E+22	2,486878E+22	2,315547E+22	2,090097E+22	1,924983E+22	1,924989E+22	2,090108E+22	2,315547E+22
1887	2,486845E+22	2,558100E+22	2,564271E+22	2,564280E+22	2,558136E+22	2,486891E+22	2,315572E+22	2,090104E+22	1,924968E+22	1,924957E+22	2,090075E+22	2,315534E+22
1888	2,486861E+22	2,558162E+22	2,564392E+22	2,564421E+22	2,558257E+22	2,486964E+22	2,315586E+22	2,090081E+22	1,924937E+22	1,924939E+22	2,090083E+22	2,315572E+22
1889	2,486912E+22	2,558171E+22	2,564323E+22	2,564291E+22	2,558099E+22	2,486844E+22	2,315535E+22	2,090068E+22	1,924930E+22	1,924929E+22	2,090068E+22	2,315548E+22
1890	2,486876E+22	2,558123E+22	2,564282E+22	2,564284E+22	2,558116E+22	2,486862E+22	2,315555E+22	2,090083E+22	1,924923E+22	1,924891E+22	2,090020E+22	2,315518E+22
1891	2,486900E+22	2,558222E+22	2,564422E+22	2,564419E+22	2,558218E+22	2,486885E+22	2,315514E+22	2,090030E+22	1,924890E+22	1,924896E+22	2,090048E+22	2,315535E+22
1892	2,486869E+22	2,558144E+22	2,564317E+22	2,564282E+22	2,558089E+22	2,486818E+22	2,315477E+22	2,089995E+22	1,924857E+22	1,924867E+22	2,090027E+22	2,315518E+22
1893	2,486844E+22	2,558117E+22	2,564340E+22	2,564376E+22	2,558207E+22	2,486924E+22	2,315547E+22	2,090007E+22	1,924830E+22	1,924834E+22	2,090014E+22	2,315541E+22
1894	2,486909E+22	2,558190E+22	2,564372E+22	2,564387E+22	2,558203E+22	2,486892E+22	2,315522E+22	2,090013E+22	1,924849E+22	1,924854E+22	2,090022E+22	2,315527E+22
1895	2,486870E+22	2,558123E+22	2,564253E+22	2,564226E+22	2,558094E+22	2,486865E+22	2,315537E+22	2,090040E+22	1,924871E+22	1,924850E+22	2,089992E+22	2,315491E+22
1896	2,486849E+22	2,558156E+22	2,564379E+22	2,564391E+22	2,558221E+22	2,486942E+22	2,315571E+22	2,090054E+22	1,924888E+22	1,924876E+22	2,090019E+22	2,315523E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1897	2,486892E+22	2,558181E+22	2,564360E+22	2,564335E+22	2,558116E+22	2,486831E+22	2,315513E+22	2,090053E+22	1,924925E+22	1,924931E+22	2,090066E+22	2,315528E+22
1898	2,486842E+22	2,558096E+22	2,564272E+22	2,564288E+22	2,558121E+22	2,486850E+22	2,315540E+22	2,090090E+22	1,924959E+22	1,924943E+22	2,090062E+22	2,315526E+22
1899	2,486865E+22	2,558174E+22	2,564397E+22	2,564422E+22	2,558249E+22	2,486931E+22	2,315555E+22	2,090077E+22	1,924960E+22	1,924979E+22	2,090120E+22	2,315584E+22
1900	2,486894E+22	2,558150E+22	2,564322E+22	2,564294E+22	2,558096E+22	2,486837E+22	2,315527E+22	2,090083E+22	1,924977E+22	1,924989E+22	2,090116E+22	2,315570E+22
1901	2,486876E+22	2,558131E+22	2,564325E+22	2,564343E+22	2,558169E+22	2,486909E+22	2,315593E+22	2,090132E+22	1,925001E+22	1,924989E+22	2,090104E+22	2,315570E+22
1902	2,486924E+22	2,558231E+22	2,564427E+22	2,564419E+22	2,558207E+22	2,486895E+22	2,315570E+22	2,090140E+22	1,925041E+22	1,925041E+22	2,090138E+22	2,315566E+22
1903	2,486879E+22	2,558159E+22	2,564332E+22	2,564289E+22	2,558092E+22	2,486842E+22	2,315556E+22	2,090146E+22	1,925052E+22	1,925039E+22	2,090119E+22	2,315533E+22
1904	2,486834E+22	2,558133E+22	2,564393E+22	2,564436E+22	2,558246E+22	2,486948E+22	2,315603E+22	2,090149E+22	1,925043E+22	1,925038E+22	2,090132E+22	2,315570E+22
1905	2,486899E+22	2,558185E+22	2,564383E+22	2,564388E+22	2,558177E+22	2,486877E+22	2,315559E+22	2,090127E+22	1,925037E+22	1,925053E+22	2,090160E+22	2,315580E+22
1906	2,486864E+22	2,558107E+22	2,564269E+22	2,564266E+22	2,558108E+22	2,486865E+22	2,315577E+22	2,090152E+22	1,925035E+22	1,925011E+22	2,090106E+22	2,315547E+22
1907	2,486870E+22	2,558170E+22	2,564390E+22	2,564399E+22	2,558221E+22	2,486942E+22	2,315595E+22	2,090128E+22	1,925007E+22	1,925001E+22	2,090115E+22	2,315576E+22
1908	2,486908E+22	2,558180E+22	2,564358E+22	2,564320E+22	2,558084E+22	2,486809E+22	2,315516E+22	2,090089E+22	1,924984E+22	1,924984E+22	2,090094E+22	2,315540E+22
1909	2,486859E+22	2,558121E+22	2,564311E+22	2,564329E+22	2,558144E+22	2,486858E+22	2,315538E+22	2,090086E+22	1,924958E+22	1,924948E+22	2,090069E+22	2,315530E+22
1910	2,486879E+22	2,558196E+22	2,564410E+22	2,564423E+22	2,558234E+22	2,486906E+22	2,315527E+22	2,090055E+22	1,924939E+22	1,924955E+22	2,090094E+22	2,315556E+22
1911	2,486868E+22	2,558133E+22	2,564312E+22	2,564278E+22	2,558091E+22	2,486848E+22	2,315517E+22	2,090041E+22	1,924908E+22	1,924911E+22	2,090051E+22	2,315524E+22
1912	2,486837E+22	2,558094E+22	2,564319E+22	2,564370E+22	2,558208E+22	2,486939E+22	2,315586E+22	2,090075E+22	1,924909E+22	1,924892E+22	2,090028E+22	2,315531E+22
1913	2,486912E+22	2,558201E+22	2,564367E+22	2,564363E+22	2,558171E+22	2,486877E+22	2,315537E+22	2,090065E+22	1,924931E+22	1,924933E+22	2,090064E+22	2,315532E+22
1914	2,486865E+22	2,558131E+22	2,564276E+22	2,564237E+22	2,558066E+22	2,486827E+22	2,315533E+22	2,090096E+22	1,924966E+22	1,924940E+22	2,090045E+22	2,315497E+22
1915	2,486828E+22	2,558136E+22	2,564375E+22	2,564395E+22	2,558211E+22	2,486925E+22	2,315572E+22	2,090100E+22	1,924975E+22	1,924973E+22	2,090090E+22	2,315551E+22
1916	2,486882E+22	2,558159E+22	2,564363E+22	2,564356E+22	2,558121E+22	2,486820E+22	2,315501E+22	2,090071E+22	1,924983E+22	1,925004E+22	2,090124E+22	2,315561E+22
1917	2,486854E+22	2,558092E+22	2,564271E+22	2,564299E+22	2,558134E+22	2,486863E+22	2,315551E+22	2,090111E+22	1,925001E+22	1,925002E+22	2,090119E+22	2,315563E+22
1918	2,486886E+22	2,558184E+22	2,564391E+22	2,564403E+22	2,558227E+22	2,486931E+22	2,315582E+22	2,090134E+22	1,925033E+22	1,925041E+22	2,090155E+22	2,315599E+22
1919	2,486910E+22	2,558180E+22	2,564354E+22	2,564297E+22	2,558075E+22	2,486832E+22	2,315551E+22	2,090143E+22	1,925056E+22	1,925051E+22	2,090134E+22	2,315551E+22
1920	2,486853E+22	2,558126E+22	2,564350E+22	2,564377E+22	2,558181E+22	2,486907E+22	2,315610E+22	2,090191E+22	1,925093E+22	1,925069E+22	2,090129E+22	2,315547E+22
1921	2,486898E+22	2,558224E+22	2,564436E+22	2,564435E+22	2,558212E+22	2,486890E+22	2,315570E+22	2,090173E+22	1,925115E+22	1,925127E+22	2,090196E+22	2,315578E+22
1922	2,486857E+22	2,558135E+22	2,564329E+22	2,564304E+22	2,558100E+22	2,486842E+22	2,315567E+22	2,090191E+22	1,925127E+22	1,925116E+22	2,090175E+22	2,315555E+22
1923	2,486823E+22	2,558101E+22	2,564356E+22	2,564415E+22	2,558238E+22	2,486959E+22	2,315636E+22	2,090205E+22	1,925114E+22	1,925107E+22	2,090183E+22	2,315598E+22
1924	2,486905E+22	2,558176E+22	2,564376E+22	2,564381E+22	2,558152E+22	2,486855E+22	2,315561E+22	2,090165E+22	1,925097E+22	1,925107E+22	2,090191E+22	2,315593E+22
1925	2,486875E+22	2,558122E+22	2,564283E+22	2,564271E+22	2,558098E+22	2,486852E+22	2,315575E+22	2,090174E+22	1,925083E+22	1,925071E+22	2,090151E+22	2,315559E+22
1926	2,486869E+22	2,558180E+22	2,564405E+22	2,564399E+22	2,558197E+22	2,486918E+22	2,315593E+22	2,090160E+22	1,925068E+22	1,925068E+22	2,090160E+22	2,315587E+22
1927	2,486900E+22	2,558183E+22	2,564379E+22	2,564340E+22	2,558087E+22	2,486806E+22	2,315514E+22	2,090110E+22	1,925033E+22	1,925038E+22	2,090128E+22	2,315543E+22
1928	2,486837E+22	2,558095E+22	2,564303E+22	2,564352E+22	2,558177E+22	2,486886E+22	2,315557E+22	2,090114E+22	1,925008E+22	1,924999E+22	2,090093E+22	2,315535E+22
1929	2,486884E+22	2,558192E+22	2,564390E+22	2,564404E+22	2,558225E+22	2,486917E+22	2,315550E+22	2,090087E+22	1,924985E+22	1,925003E+22	2,090127E+22	2,315572E+22
1930	2,486879E+22	2,558142E+22	2,564313E+22	2,564271E+22	2,558068E+22	2,486830E+22	2,315539E+22	2,090105E+22	1,924985E+22	1,924966E+22	2,090072E+22	2,315520E+22
1931	2,486829E+22	2,558093E+22	2,564311E+22	2,564354E+22	2,558180E+22	2,486923E+22	2,315606E+22	2,090140E+22	1,925000E+22	1,924972E+22	2,090066E+22	2,315525E+22
1932	2,486885E+22	2,558189E+22	2,564389E+22	2,564387E+22	2,558154E+22	2,486841E+22	2,315525E+22	2,090100E+22	1,925007E+22	1,925014E+22	2,090112E+22	2,315533E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1933	2,486843E+22	2,558118E+22	2,564289E+22	2,564270E+22	2,558085E+22	2,486823E+22	2,315523E+22	2,090110E+22	1,925021E+22	1,925023E+22	2,090119E+22	2,315525E+22
1934	2,486817E+22	2,558118E+22	2,564360E+22	2,564386E+22	2,558205E+22	2,486931E+22	2,315588E+22	2,090136E+22	1,925041E+22	1,925050E+22	2,090156E+22	2,315591E+22
1935	2,486897E+22	2,558164E+22	2,564362E+22	2,564349E+22	2,558117E+22	2,486835E+22	2,315532E+22	2,090120E+22	1,925046E+22	1,925063E+22	2,090160E+22	2,315577E+22
1936	2,486863E+22	2,558097E+22	2,564273E+22	2,564306E+22	2,558140E+22	2,486874E+22	2,315582E+22	2,090174E+22	1,925083E+22	1,925067E+22	2,090137E+22	2,315558E+22
1937	2,486897E+22	2,558207E+22	2,564405E+22	2,564398E+22	2,558205E+22	2,486918E+22	2,315597E+22	2,090185E+22	1,925116E+22	1,925122E+22	2,090198E+22	2,315601E+22
1938	2,486900E+22	2,558190E+22	2,564388E+22	2,564331E+22	2,558068E+22	2,486804E+22	2,315559E+22	2,090206E+22	1,925150E+22	1,925137E+22	2,090182E+22	2,315550E+22
1939	2,486821E+22	2,558097E+22	2,564340E+22	2,564389E+22	2,558190E+22	2,486907E+22	2,315624E+22	2,090243E+22	1,925181E+22	1,925163E+22	2,090196E+22	2,315565E+22
1940	2,486868E+22	2,558186E+22	2,564429E+22	2,564450E+22	2,558220E+22	2,486893E+22	2,315575E+22	2,090199E+22	1,925172E+22	1,925197E+22	2,090253E+22	2,315609E+22
1941	2,486863E+22	2,558125E+22	2,564315E+22	2,564299E+22	2,558102E+22	2,486849E+22	2,315581E+22	2,090213E+22	1,925167E+22	1,925173E+22	2,090230E+22	2,315587E+22
1942	2,486839E+22	2,558106E+22	2,564338E+22	2,564375E+22	2,558194E+22	2,486940E+22	2,315655E+22	2,090256E+22	1,925181E+22	1,925166E+22	2,090219E+22	2,315616E+22
1943	2,486923E+22	2,558204E+22	2,564396E+22	2,564374E+22	2,558127E+22	2,486836E+22	2,315565E+22	2,090203E+22	1,925158E+22	1,925159E+22	2,090209E+22	2,315582E+22
1944	2,486860E+22	2,558126E+22	2,564305E+22	2,564302E+22	2,558107E+22	2,486840E+22	2,315571E+22	2,090203E+22	1,925143E+22	1,925128E+22	2,090169E+22	2,315547E+22
1945	2,486856E+22	2,558178E+22	2,564413E+22	2,564414E+22	2,558202E+22	2,486911E+22	2,315587E+22	2,090174E+22	1,925113E+22	1,925126E+22	2,090204E+22	2,315601E+22
1946	2,486888E+22	2,558170E+22	2,564385E+22	2,564363E+22	2,558099E+22	2,486808E+22	2,315532E+22	2,090150E+22	1,925083E+22	1,925084E+22	2,090159E+22	2,315551E+22
1947	2,486824E+22	2,558071E+22	2,564274E+22	2,564337E+22	2,558175E+22	2,486902E+22	2,315598E+22	2,090174E+22	1,925074E+22	1,925055E+22	2,090124E+22	2,315539E+22
1948	2,486868E+22	2,558180E+22	2,564390E+22	2,564402E+22	2,558208E+22	2,486905E+22	2,315566E+22	2,090134E+22	1,925051E+22	1,925060E+22	2,090152E+22	2,315569E+22
1949	2,486873E+22	2,558149E+22	2,564323E+22	2,564275E+22	2,558059E+22	2,486819E+22	2,315546E+22	2,090140E+22	1,925052E+22	1,925046E+22	2,090128E+22	2,315528E+22
1950	2,486814E+22	2,558087E+22	2,564311E+22	2,564345E+22	2,558151E+22	2,486895E+22	2,315612E+22	2,090190E+22	1,925086E+22	1,925064E+22	2,090133E+22	2,315550E+22
1951	2,486878E+22	2,558182E+22	2,564392E+22	2,564397E+22	2,558158E+22	2,486835E+22	2,315521E+22	2,090131E+22	1,925075E+22	1,925092E+22	2,090171E+22	2,315559E+22
1952	2,486836E+22	2,558099E+22	2,564280E+22	2,564284E+22	2,558108E+22	2,486840E+22	2,315539E+22	2,090142E+22	1,925080E+22	1,925088E+22	2,090162E+22	2,315553E+22
1953	2,486843E+22	2,558131E+22	2,564355E+22	2,564370E+22	2,558186E+22	2,486925E+22	2,315605E+22	2,090173E+22	1,925097E+22	1,925110E+22	2,090202E+22	2,315619E+22
1954	2,486919E+22	2,558191E+22	2,564385E+22	2,564358E+22	2,558098E+22	2,486812E+22	2,315552E+22	2,090186E+22	1,925127E+22	1,925124E+22	2,090185E+22	2,315572E+22
1955	2,486855E+22	2,558108E+22	2,564290E+22	2,564315E+22	2,558133E+22	2,486867E+22	2,315605E+22	2,090240E+22	1,925178E+22	1,925152E+22	2,090176E+22	2,315544E+22
1956	2,486858E+22	2,558194E+22	2,564437E+22	2,564438E+22	2,558209E+22	2,486898E+22	2,315593E+22	2,090223E+22	1,925192E+22	1,925203E+22	2,090244E+22	2,315597E+22
1957	2,486869E+22	2,558166E+22	2,564391E+22	2,564362E+22	2,558102E+22	2,486818E+22	2,315567E+22	2,090230E+22	1,925211E+22	1,925223E+22	2,090254E+22	2,315574E+22
1958	2,486803E+22	2,558066E+22	2,564309E+22	2,564367E+22	2,558183E+22	2,486919E+22	2,315656E+22	2,090294E+22	1,925250E+22	1,925239E+22	2,090258E+22	2,315603E+22
1959	2,486877E+22	2,558175E+22	2,564405E+22	2,564424E+22	2,558205E+22	2,486897E+22	2,315603E+22	2,090251E+22	1,925236E+22	1,925252E+22	2,090288E+22	2,315625E+22
1960	2,486871E+22	2,558128E+22	2,564310E+22	2,564290E+22	2,558092E+22	2,486847E+22	2,315603E+22	2,090266E+22	1,925238E+22	1,925230E+22	2,090249E+22	2,315592E+22
1961	2,486857E+22	2,558135E+22	2,564356E+22	2,564360E+22	2,558153E+22	2,486903E+22	2,315650E+22	2,090288E+22	1,925245E+22	1,925234E+22	2,090260E+22	2,315625E+22
1962	2,486920E+22	2,558221E+22	2,564434E+22	2,564405E+22	2,558117E+22	2,486796E+22	2,315556E+22	2,090244E+22	1,925224E+22	1,925221E+22	2,090245E+22	2,315582E+22
1963	2,486837E+22	2,558108E+22	2,564307E+22	2,564321E+22	2,558128E+22	2,486844E+22	2,315575E+22	2,090232E+22	1,925201E+22	1,925192E+22	2,090215E+22	2,315556E+22
1964	2,486828E+22	2,558149E+22	2,564413E+22	2,564430E+22	2,558215E+22	2,486917E+22	2,315594E+22	2,090191E+22	1,925147E+22	1,925168E+22	2,090235E+22	2,315615E+22
1965	2,486888E+22	2,558163E+22	2,564377E+22	2,564364E+22	2,558111E+22	2,486822E+22	2,315557E+22	2,090179E+22	1,925121E+22	1,925131E+22	2,090195E+22	2,315562E+22
1966	2,486823E+22	2,558071E+22	2,564262E+22	2,564303E+22	2,558139E+22	2,486889E+22	2,315626E+22	2,090237E+22	1,925151E+22	1,925119E+22	2,090158E+22	2,315544E+22
1967	2,486860E+22	2,558184E+22	2,564398E+22	2,564397E+22	2,558193E+22	2,486890E+22	2,315573E+22	2,090182E+22	1,925128E+22	1,925131E+22	2,090185E+22	2,315561E+22
1968	2,486846E+22	2,558137E+22	2,564334E+22	2,564298E+22	2,558074E+22	2,486811E+22	2,315547E+22	2,090178E+22	1,925126E+22	1,925123E+22	2,090171E+22	2,315538E+22

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1969	2,486808E+22	2,558078E+22	2,564308E+22	2,564342E+22	2,558145E+22	2,486880E+22	2,315605E+22	2,090213E+22	1,925147E+22	1,925143E+22	2,090202E+22	2,315590E+22
1970	2,486886E+22	2,558179E+22	2,564397E+22	2,564407E+22	2,558156E+22	2,486826E+22	2,315540E+22	2,090179E+22	1,925137E+22	1,925152E+22	2,090218E+22	2,315588E+22
1971	2,486845E+22	2,558096E+22	2,564269E+22	2,564274E+22	2,558103E+22	2,486844E+22	2,315571E+22	2,090202E+22	1,925154E+22	1,925153E+22	2,090201E+22	2,315565E+22
1972	2,486838E+22	2,558138E+22	2,564377E+22	2,564379E+22	2,558176E+22	2,486911E+22	2,315617E+22	2,090220E+22	1,925166E+22	1,925172E+22	2,090231E+22	2,315618E+22
1973	2,486915E+22	2,558207E+22	2,564417E+22	2,564384E+22	2,558107E+22	2,486807E+22	2,315562E+22	2,090222E+22	1,925197E+22	1,925206E+22	2,090236E+22	2,315570E+22
1974	2,486827E+22	2,558096E+22	2,564296E+22	2,564317E+22	2,558121E+22	2,486854E+22	2,315622E+22	2,090300E+22	1,925270E+22	1,925246E+22	2,090240E+22	2,315561E+22
1975	2,486834E+22	2,558166E+22	2,564427E+22	2,564447E+22	2,558231E+22	2,486911E+22	2,315604E+22	2,090264E+22	1,925267E+22	1,925282E+22	2,090299E+22	2,315616E+22
1976	2,486856E+22	2,558139E+22	2,564369E+22	2,564358E+22	2,558118E+22	2,486840E+22	2,315595E+22	2,090276E+22	1,925277E+22	1,925286E+22	2,090295E+22	2,315605E+22
1977	2,486828E+22	2,558071E+22	2,564292E+22	2,564328E+22	2,558142E+22	2,486898E+22	2,315672E+22	2,090343E+22	1,925317E+22	1,925301E+22	2,090305E+22	2,315634E+22
1978	2,486902E+22	2,558202E+22	2,564427E+22	2,564418E+22	2,558167E+22	2,486855E+22	2,315611E+22	2,090311E+22	1,925311E+22	1,925309E+22	2,090312E+22	2,315624E+22
1979	2,486866E+22	2,558139E+22	2,564333E+22	2,564299E+22	2,558077E+22	2,486822E+22	2,315603E+22	2,090309E+22	1,925313E+22	1,925302E+22	2,090285E+22	2,315580E+22
1980	2,486822E+22	2,558129E+22	2,564395E+22	2,564402E+22	2,558161E+22	2,486878E+22	2,315628E+22	2,090299E+22	1,925291E+22	1,925292E+22	2,090297E+22	2,315626E+22
1981	2,486898E+22	2,558205E+22	2,564444E+22	2,564438E+22	2,558159E+22	2,486816E+22	2,315555E+22	2,090247E+22	1,925258E+22	1,925280E+22	2,090294E+22	2,315595E+22
1982	2,486819E+22	2,558082E+22	2,564287E+22	2,564305E+22	2,558130E+22	2,486863E+22	2,315611E+22	2,090281E+22	1,925258E+22	1,925246E+22	2,090255E+22	2,315578E+22
1983	2,486827E+22	2,558132E+22	2,564389E+22	2,564413E+22	2,558220E+22	2,486932E+22	2,315625E+22	2,090245E+22	1,925209E+22	1,925213E+22	2,090253E+22	2,315614E+22
1984	2,486881E+22	2,558156E+22	2,564370E+22	2,564355E+22	2,558110E+22	2,486830E+22	2,315587E+22	2,090239E+22	1,925198E+22	1,925190E+22	2,090215E+22	2,315566E+22
1985	2,486829E+22	2,558080E+22	2,564269E+22	2,564280E+22	2,558098E+22	2,486855E+22	2,315628E+22	2,090282E+22	1,925227E+22	1,925201E+22	2,090215E+22	2,315565E+22
1986	2,486856E+22	2,558183E+22	2,564418E+22	2,564410E+22	2,558173E+22	2,486850E+22	2,315569E+22	2,090230E+22	1,925203E+22	1,925208E+22	2,090241E+22	2,315582E+22
1987	2,486835E+22	2,558117E+22	2,564328E+22	2,564305E+22	2,558086E+22	2,486813E+22	2,315550E+22	2,090208E+22	1,925192E+22	1,925201E+22	2,090234E+22	2,315568E+22
1988	2,486801E+22	2,558069E+22	2,564318E+22	2,564350E+22	2,558143E+22	2,486870E+22	2,315601E+22	2,090228E+22	1,925185E+22	1,925193E+22	2,090243E+22	2,315619E+22
1989	2,486907E+22	2,558193E+22	2,564405E+22	2,564408E+22	2,558160E+22	2,486830E+22	2,315555E+22	2,090209E+22	1,925186E+22	1,925206E+22	2,090251E+22	2,315597E+22
1990	2,486851E+22	2,558112E+22	2,564284E+22	2,564263E+22	2,558080E+22	2,486832E+22	2,315596E+22	2,090268E+22	1,925239E+22	1,925221E+22	2,090230E+22	2,315562E+22
1991	2,486824E+22	2,558140E+22	2,564395E+22	2,564397E+22	2,558182E+22	2,486902E+22	2,315626E+22	2,090274E+22	1,925250E+22	1,925246E+22	2,090259E+22	2,315598E+22
1992	2,486876E+22	2,558185E+22	2,564429E+22	2,564415E+22	2,558139E+22	2,486821E+22	2,315581E+22	2,090276E+22	1,925282E+22	1,925286E+22	2,090280E+22	2,315577E+22
1993	2,486809E+22	2,558072E+22	2,564287E+22	2,564307E+22	2,558115E+22	2,486854E+22	2,315636E+22	2,090342E+22	1,925346E+22	1,925335E+22	2,090312E+22	2,315598E+22
1994	2,486834E+22	2,558147E+22	2,564416E+22	2,564437E+22	2,558216E+22	2,486904E+22	2,315636E+22	2,090330E+22	1,925343E+22	1,925353E+22	2,090347E+22	2,315643E+22
1995	2,486863E+22	2,558129E+22	2,564351E+22	2,564337E+22	2,558104E+22	2,486837E+22	2,315620E+22	2,090339E+22	1,925363E+22	1,925363E+22	2,090341E+22	2,315619E+22
1996	2,486826E+22	2,558082E+22	2,564315E+22	2,564327E+22	2,558114E+22	2,486863E+22	2,315661E+22	2,090376E+22	1,925383E+22	1,925368E+22	2,090342E+22	2,315643E+22
1997	2,486906E+22	2,558221E+22	2,564460E+22	2,564440E+22	2,558166E+22	2,486836E+22	2,315601E+22	2,090331E+22	1,925370E+22	1,925385E+22	2,090360E+22	2,315630E+22
1998	2,486849E+22	2,558133E+22	2,564350E+22	2,564314E+22	2,558075E+22	2,486808E+22	2,315603E+22	2,090345E+22	1,925379E+22	1,925372E+22	2,090336E+22	2,315599E+22
1999	2,486807E+22	2,558104E+22	2,564387E+22	2,564421E+22	2,558197E+22	2,486899E+22	2,315633E+22	2,090320E+22	1,925336E+22	1,925341E+22	2,090330E+22	2,315636E+22
2000	2,486888E+22	2,558184E+22	2,564428E+22	2,564441E+22	2,558187E+22	2,486854E+22	2,315593E+22	2,090287E+22	1,925302E+22	1,925315E+22	2,090313E+22	2,315612E+22
2001	2,486836E+22	2,558083E+22	2,564272E+22	2,564268E+22	2,558095E+22	2,486854E+22	2,315636E+22	2,090334E+22	1,925321E+22	1,925300E+22	2,090287E+22	2,315595E+22
2002	2,486839E+22	2,558142E+22	2,564401E+22	2,564404E+22	2,558183E+22	2,486901E+22	2,315643E+22	2,090311E+22	1,925288E+22	1,925274E+22	2,090275E+22	2,315606E+22
2003	2,486865E+22	2,558150E+22	2,564379E+22	2,564356E+22	2,558093E+22	2,486807E+22	2,315587E+22	2,090286E+22	1,925281E+22	1,925272E+22	2,090261E+22	2,315561E+22
2004	2,486795E+22	2,558066E+22	2,564292E+22	2,564303E+22	2,558092E+22	2,486823E+22	2,315601E+22	2,090294E+22	1,925280E+22	1,925269E+22	2,090268E+22	2,315587E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2005	2,486852E+22	2,558173E+22	2,564424E+22	2,564427E+22	2,558193E+22	2,486855E+22	2,315562E+22	2,090234E+22	1,925243E+22	1,925273E+22	2,090296E+22	2,315609E+22
2006	2,486836E+22	2,558104E+22	2,564317E+22	2,564289E+22	2,558073E+22	2,486816E+22	2,315575E+22	2,090255E+22	1,925250E+22	1,925257E+22	2,090274E+22	2,315593E+22
2007	2,486814E+22	2,558070E+22	2,564312E+22	2,564348E+22	2,558151E+22	2,486879E+22	2,315621E+22	2,090277E+22	1,925249E+22	1,925241E+22	2,090257E+22	2,315612E+22
2008	2,486904E+22	2,558204E+22	2,564422E+22	2,564417E+22	2,558171E+22	2,486844E+22	2,315583E+22	2,090268E+22	1,925265E+22	1,925266E+22	2,090271E+22	2,315592E+22
2009	2,486846E+22	2,558118E+22	2,564305E+22	2,564263E+22	2,558055E+22	2,486808E+22	2,315606E+22	2,090327E+22	1,925332E+22	1,925314E+22	2,090288E+22	2,315573E+22
2010	2,486806E+22	2,558122E+22	2,564409E+22	2,564422E+22	2,558181E+22	2,486884E+22	2,315638E+22	2,090337E+22	1,925343E+22	1,925337E+22	2,090316E+22	2,315610E+22
2011	2,486849E+22	2,558147E+22	2,564410E+22	2,564418E+22	2,558153E+22	2,486837E+22	2,315600E+22	2,090326E+22	1,925367E+22	1,925381E+22	2,090350E+22	2,315604E+22
2012	2,486796E+22	2,558054E+22	2,564283E+22	2,564297E+22	2,558097E+22	2,486844E+22	2,315644E+22	2,090376E+22	1,925403E+22	1,925400E+22	2,090366E+22	2,315635E+22
2013	2,486859E+22	2,558161E+22	2,564417E+22	2,564426E+22	2,558198E+22	2,486893E+22	2,315643E+22	2,090365E+22	1,925408E+22	1,925423E+22	2,090390E+22	2,315658E+22
2014	2,486874E+22	2,558147E+22	2,564366E+22	2,564326E+22	2,558070E+22	2,486810E+22	2,315629E+22	2,090393E+22	1,925445E+22	1,925438E+22	2,090380E+22	2,315626E+22
2015	2,486824E+22	2,558090E+22	2,564336E+22	2,564355E+22	2,558127E+22	2,486847E+22	2,315648E+22	2,090404E+22	1,925447E+22	1,925432E+22	2,090371E+22	2,315634E+22
2016	2,486883E+22	2,558210E+22	2,564475E+22	2,564476E+22	2,558205E+22	2,486858E+22	2,315611E+22	2,090361E+22	1,925425E+22	1,925438E+22	2,090394E+22	2,315643E+22
2017	2,486842E+22	2,558115E+22	2,564346E+22	2,564315E+22	2,558078E+22	2,486819E+22	2,315623E+22	2,090380E+22	1,925432E+22	1,925433E+22	2,090384E+22	2,315626E+22
2018	2,486810E+22	2,558087E+22	2,564376E+22	2,564414E+22	2,558184E+22	2,486903E+22	2,315675E+22	2,090384E+22	1,925397E+22	1,925387E+22	2,090352E+22	2,315639E+22
2019	2,486883E+22	2,558171E+22	2,564411E+22	2,564423E+22	2,558177E+22	2,486864E+22	2,315627E+22	2,090352E+22	1,925383E+22	1,925381E+22	2,090342E+22	2,315605E+22
2020	2,486820E+22	2,558089E+22	2,564291E+22	2,564260E+22	2,558057E+22	2,486821E+22	2,315629E+22	2,090366E+22	1,925384E+22	1,925364E+22	2,090322E+22	2,315598E+22
2021	2,486834E+22	2,558146E+22	2,564415E+22	2,564411E+22	2,558168E+22	2,486875E+22	2,315627E+22	2,090332E+22	1,925353E+22	1,925355E+22	2,090327E+22	2,315614E+22
2022	2,486849E+22	2,558134E+22	2,564380E+22	2,564360E+22	2,558084E+22	2,486789E+22	2,315579E+22	2,090316E+22	1,925348E+22	1,925349E+22	2,090322E+22	2,315593E+22
2023	2,486795E+22	2,558044E+22	2,564276E+22	2,564315E+22	2,558116E+22	2,486828E+22	2,315591E+22	2,090304E+22	1,925321E+22	1,925320E+22	2,090306E+22	2,315608E+22
2024	2,486861E+22	2,558170E+22	2,564418E+22	2,564428E+22	2,558205E+22	2,486880E+22	2,315592E+22	2,090274E+22	1,925287E+22	1,925306E+22	2,090317E+22	2,315631E+22
2025	2,486861E+22	2,558121E+22	2,564326E+22	2,564274E+22	2,558041E+22	2,486802E+22	2,315594E+22	2,090308E+22	1,925319E+22	1,925315E+22	2,090303E+22	2,315600E+22
2026	2,486820E+22	2,558086E+22	2,564341E+22	2,564359E+22	2,558128E+22	2,486859E+22	2,315644E+22	2,090345E+22	1,925336E+22	1,925310E+22	2,090277E+22	2,315588E+22
2027	2,486871E+22	2,558191E+22	2,564437E+22	2,564440E+22	2,558180E+22	2,486847E+22	2,315598E+22	2,090326E+22	1,925362E+22	1,925363E+22	2,090321E+22	2,315578E+22
2028	2,486798E+22	2,558092E+22	2,564320E+22	2,564287E+22	2,558060E+22	2,486799E+22	2,315600E+22	2,090357E+22	1,925405E+22	1,925401E+22	2,090353E+22	2,315598E+22
2029	2,486795E+22	2,558095E+22	2,564393E+22	2,564425E+22	2,558194E+22	2,486900E+22	2,315651E+22	2,090368E+22	1,925413E+22	1,925425E+22	2,090383E+22	2,315643E+22
2030	2,486852E+22	2,558127E+22	2,564385E+22	2,564392E+22	2,558130E+22	2,486835E+22	2,315632E+22	2,090391E+22	1,925451E+22	1,925460E+22	2,090408E+22	2,315642E+22
2031	2,486818E+22	2,558055E+22	2,564270E+22	2,564289E+22	2,558092E+22	2,486834E+22	2,315650E+22	2,090422E+22	1,925477E+22	1,925465E+22	2,090399E+22	2,315645E+22
2032	2,486871E+22	2,558183E+22	2,564440E+22	2,564432E+22	2,558190E+22	2,486891E+22	2,315660E+22	2,090413E+22	1,925479E+22	1,925483E+22	2,090423E+22	2,315670E+22
2033	2,486880E+22	2,558162E+22	2,564395E+22	2,564337E+22	2,558045E+22	2,486780E+22	2,315626E+22	2,090434E+22	1,925519E+22	1,925518E+22	2,090434E+22	2,315644E+22
2034	2,486819E+22	2,558088E+22	2,564358E+22	2,564388E+22	2,558136E+22	2,486842E+22	2,315657E+22	2,090444E+22	1,925512E+22	1,925497E+22	2,090410E+22	2,315639E+22
2035	2,486864E+22	2,558185E+22	2,564464E+22	2,564484E+22	2,558227E+22	2,486887E+22	2,315636E+22	2,090398E+22	1,925485E+22	1,925502E+22	2,090435E+22	2,315648E+22
2036	2,486826E+22	2,558103E+22	2,564343E+22	2,564307E+22	2,558061E+22	2,486816E+22	2,315638E+22	2,090414E+22	1,925479E+22	1,925477E+22	2,090413E+22	2,315642E+22
2037	2,486822E+22	2,558094E+22	2,564372E+22	2,564403E+22	2,558167E+22	2,486893E+22	2,315684E+22	2,090422E+22	1,925461E+22	1,925447E+22	2,090375E+22	2,315631E+22
2038	2,486869E+22	2,558167E+22	2,564413E+22	2,564408E+22	2,558138E+22	2,486833E+22	2,315633E+22	2,090403E+22	1,925463E+22	1,925456E+22	2,090380E+22	2,315604E+22
2039	2,486802E+22	2,558075E+22	2,564294E+22	2,564283E+22	2,558064E+22	2,486799E+22	2,315609E+22	2,090385E+22	1,925442E+22	1,925429E+22	2,090360E+22	2,315597E+22
2040	2,486813E+22	2,558133E+22	2,564419E+22	2,564430E+22	2,558188E+22	2,486887E+22	2,315630E+22	2,090350E+22	1,925397E+22	1,925406E+22	2,090371E+22	2,315642E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2041	2,486853E+22	2,558123E+22	2,564371E+22	2,564353E+22	2,558074E+22	2,486788E+22	2,315590E+22	2,090344E+22	1,925397E+22	1,925408E+22	2,090373E+22	2,315628E+22
2042	2,486814E+22	2,558047E+22	2,564275E+22	2,564316E+22	2,558105E+22	2,486830E+22	2,315623E+22	2,090356E+22	1,925378E+22	1,925365E+22	2,090326E+22	2,315610E+22
2043	2,486862E+22	2,558171E+22	2,564417E+22	2,564426E+22	2,558202E+22	2,486892E+22	2,315623E+22	2,090333E+22	1,925368E+22	1,925375E+22	2,090344E+22	2,315616E+22
2044	2,486840E+22	2,558133E+22	2,564357E+22	2,564287E+22	2,558019E+22	2,486781E+22	2,315599E+22	2,090350E+22	1,925392E+22	1,925388E+22	2,090344E+22	2,315601E+22
2045	2,486806E+22	2,558083E+22	2,564356E+22	2,564382E+22	2,558129E+22	2,486848E+22	2,315644E+22	2,090384E+22	1,925421E+22	1,925406E+22	2,090335E+22	2,315591E+22
2046	2,486839E+22	2,558159E+22	2,564427E+22	2,564447E+22	2,558182E+22	2,486846E+22	2,315612E+22	2,090376E+22	1,925451E+22	1,925461E+22	2,090395E+22	2,315613E+22
2047	2,486794E+22	2,558061E+22	2,564290E+22	2,564291E+22	2,558079E+22	2,486810E+22	2,315609E+22	2,090388E+22	1,925466E+22	1,925473E+22	2,090407E+22	2,315629E+22
2048	2,486812E+22	2,558097E+22	2,564377E+22	2,564407E+22	2,558184E+22	2,486914E+22	2,315686E+22	2,090423E+22	1,925477E+22	1,925478E+22	2,090424E+22	2,315679E+22
2049	2,486885E+22	2,558152E+22	2,564393E+22	2,564371E+22	2,558085E+22	2,486804E+22	2,315643E+22	2,090448E+22	1,925534E+22	1,925535E+22	2,090452E+22	2,315662E+22
2050	2,486837E+22	2,558086E+22	2,564307E+22	2,564305E+22	2,558063E+22	2,486802E+22	2,315657E+22	2,090474E+22	1,925557E+22	1,925537E+22	2,090427E+22	2,315632E+22
2051	2,486848E+22	2,558182E+22	2,564466E+22	2,564467E+22	2,558203E+22	2,486889E+22	2,315666E+22	2,090456E+22	1,925559E+22	1,925567E+22	2,090469E+22	2,315657E+22
2052	2,486841E+22	2,558151E+22	2,564421E+22	2,564372E+22	2,558061E+22	2,486777E+22	2,315620E+22	2,090449E+22	1,925568E+22	1,925580E+22	2,090481E+22	2,315658E+22
2053	2,486807E+22	2,558068E+22	2,564348E+22	2,564396E+22	2,558152E+22	2,486861E+22	2,315675E+22	2,090473E+22	1,925567E+22	1,925560E+22	2,090447E+22	2,315644E+22
2054	2,486849E+22	2,558162E+22	2,564439E+22	2,564464E+22	2,558214E+22	2,486896E+22	2,315675E+22	2,090461E+22	1,925558E+22	1,925564E+22	2,090471E+22	2,315660E+22
2055	2,486826E+22	2,558091E+22	2,564322E+22	2,564300E+22	2,558058E+22	2,486807E+22	2,315647E+22	2,090456E+22	1,925544E+22	1,925534E+22	2,090437E+22	2,315638E+22
2056	2,486816E+22	2,558099E+22	2,564374E+22	2,564397E+22	2,558150E+22	2,486886E+22	2,315701E+22	2,090468E+22	1,925526E+22	1,925505E+22	2,090414E+22	2,315646E+22
2057	2,486864E+22	2,558164E+22	2,564421E+22	2,564409E+22	2,558109E+22	2,486794E+22	2,315622E+22	2,090436E+22	1,925532E+22	1,925535E+22	2,090444E+22	2,315634E+22
2058	2,486802E+22	2,558068E+22	2,564299E+22	2,564297E+22	2,558062E+22	2,486788E+22	2,315609E+22	2,090406E+22	1,925492E+22	1,925490E+22	2,090405E+22	2,315616E+22
2059	2,486809E+22	2,558119E+22	2,564407E+22	2,564431E+22	2,558197E+22	2,486906E+22	2,315650E+22	2,090378E+22	1,925445E+22	1,925462E+22	2,090412E+22	2,315654E+22
2060	2,486854E+22	2,558136E+22	2,564380E+22	2,564349E+22	2,558055E+22	2,486778E+22	2,315599E+22	2,090370E+22	1,925436E+22	1,925445E+22	2,090397E+22	2,315642E+22
2061	2,486832E+22	2,558071E+22	2,564291E+22	2,564319E+22	2,558095E+22	2,486821E+22	2,315632E+22	2,090398E+22	1,925448E+22	1,925426E+22	2,090343E+22	2,315592E+22
2062	2,486840E+22	2,558172E+22	2,564432E+22	2,564433E+22	2,558186E+22	2,486877E+22	2,315641E+22	2,090393E+22	1,925457E+22	1,925456E+22	2,090384E+22	2,315609E+22
2063	2,486811E+22	2,558108E+22	2,564356E+22	2,564322E+22	2,558046E+22	2,486775E+22	2,315597E+22	2,090385E+22	1,925465E+22	1,925467E+22	2,090391E+22	2,315603E+22
2064	2,486780E+22	2,558060E+22	2,564346E+22	2,564392E+22	2,558151E+22	2,486872E+22	2,315671E+22	2,090428E+22	1,925486E+22	1,925476E+22	2,090397E+22	2,315629E+22
2065	2,486837E+22	2,558136E+22	2,564404E+22	2,564425E+22	2,558159E+22	2,486842E+22	2,315638E+22	2,090431E+22	1,925529E+22	1,925545E+22	2,090464E+22	2,315658E+22
2066	2,486817E+22	2,558068E+22	2,564286E+22	2,564279E+22	2,558054E+22	2,486802E+22	2,315642E+22	2,090450E+22	1,925545E+22	1,925542E+22	2,090446E+22	2,315643E+22
2067	2,486822E+22	2,558114E+22	2,564387E+22	2,564400E+22	2,558165E+22	2,486903E+22	2,315703E+22	2,090481E+22	1,925567E+22	1,925562E+22	2,090464E+22	2,315671E+22
2068	2,486874E+22	2,558178E+22	2,564433E+22	2,564386E+22	2,558059E+22	2,486768E+22	2,315632E+22	2,090480E+22	1,925604E+22	1,925610E+22	2,090499E+22	2,315671E+22
2069	2,486831E+22	2,558096E+22	2,564337E+22	2,564344E+22	2,558078E+22	2,486787E+22	2,315643E+22	2,090500E+22	1,925630E+22	1,925619E+22	2,090475E+22	2,315633E+22
2070	2,486817E+22	2,558153E+22	2,564462E+22	2,564483E+22	2,558218E+22	2,486897E+22	2,315680E+22	2,090494E+22	1,925628E+22	1,925644E+22	2,090526E+22	2,315680E+22
2071	2,486830E+22	2,558116E+22	2,564392E+22	2,564385E+22	2,558091E+22	2,486798E+22	2,315641E+22	2,090480E+22	1,925614E+22	1,925629E+22	2,090514E+22	2,315671E+22
2072	2,486810E+22	2,558066E+22	2,564331E+22	2,564378E+22	2,558147E+22	2,486880E+22	2,315718E+22	2,090529E+22	1,925621E+22	1,925599E+22	2,090475E+22	2,315661E+22
2073	2,486852E+22	2,558165E+22	2,564435E+22	2,564438E+22	2,558171E+22	2,486867E+22	2,315689E+22	2,090518E+22	1,925638E+22	1,925635E+22	2,090509E+22	2,315669E+22
2074	2,486827E+22	2,558102E+22	2,564340E+22	2,564304E+22	2,558032E+22	2,486779E+22	2,315652E+22	2,090498E+22	1,925615E+22	1,925603E+22	2,090470E+22	2,315630E+22
2075	2,486791E+22	2,558087E+22	2,564381E+22	2,564410E+22	2,558152E+22	2,486875E+22	2,315699E+22	2,090499E+22	1,925593E+22	1,925582E+22	2,090465E+22	2,315648E+22
2076	2,486840E+22	2,558157E+22	2,564429E+22	2,564420E+22	2,558109E+22	2,486783E+22	2,315611E+22	2,090443E+22	1,925567E+22	1,925587E+22	2,090494E+22	2,315667E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2077	2,486813E+22	2,558068E+22	2,564297E+22	2,564302E+22	2,558069E+22	2,486793E+22	2,315616E+22	2,090429E+22	1,925536E+22	1,925537E+22	2,090435E+22	2,315627E+22
2078	2,486809E+22	2,558115E+22	2,564399E+22	2,564420E+22	2,558186E+22	2,486906E+22	2,315680E+22	2,090433E+22	1,925510E+22	1,925515E+22	2,090440E+22	2,315662E+22
2079	2,486856E+22	2,558136E+22	2,564381E+22	2,564363E+22	2,558065E+22	2,486774E+22	2,315611E+22	2,090410E+22	1,925497E+22	1,925498E+22	2,090414E+22	2,315628E+22
2080	2,486817E+22	2,558082E+22	2,564308E+22	2,564328E+22	2,558093E+22	2,486823E+22	2,315659E+22	2,090453E+22	1,925519E+22	1,925490E+22	2,090386E+22	2,315599E+22
2081	2,486814E+22	2,558154E+22	2,564437E+22	2,564444E+22	2,558177E+22	2,486856E+22	2,315646E+22	2,090445E+22	1,925546E+22	1,925550E+22	2,090453E+22	2,315637E+22
2082	2,486803E+22	2,558090E+22	2,564349E+22	2,564327E+22	2,558049E+22	2,486776E+22	2,315613E+22	2,090426E+22	1,925538E+22	1,925548E+22	2,090450E+22	2,315627E+22
2083	2,486775E+22	2,558042E+22	2,564325E+22	2,564375E+22	2,558146E+22	2,486883E+22	2,315703E+22	2,090481E+22	1,925561E+22	1,925555E+22	2,090454E+22	2,315651E+22
2084	2,486846E+22	2,558153E+22	2,564411E+22	2,564409E+22	2,558124E+22	2,486813E+22	2,315643E+22	2,090470E+22	1,925590E+22	1,925605E+22	2,090507E+22	2,315683E+22
2085	2,486839E+22	2,558099E+22	2,564312E+22	2,564283E+22	2,558031E+22	2,486771E+22	2,315632E+22	2,090490E+22	1,925626E+22	1,925617E+22	2,090476E+22	2,315634E+22
2086	2,486805E+22	2,558121E+22	2,564414E+22	2,564420E+22	2,558156E+22	2,486879E+22	2,315706E+22	2,090528E+22	1,925651E+22	1,925647E+22	2,090512E+22	2,315673E+22
2087	2,486849E+22	2,558157E+22	2,564442E+22	2,564435E+22	2,558101E+22	2,486768E+22	2,315624E+22	2,090501E+22	1,925661E+22	1,925677E+22	2,090541E+22	2,315673E+22
2088	2,486807E+22	2,558078E+22	2,564336E+22	2,564360E+22	2,558111E+22	2,486824E+22	2,315678E+22	2,090542E+22	1,925681E+22	1,925673E+22	2,090525E+22	2,315661E+22
2089	2,486806E+22	2,558125E+22	2,564441E+22	2,564470E+22	2,558209E+22	2,486903E+22	2,315718E+22	2,090556E+22	1,925700E+22	1,925710E+22	2,090573E+22	2,315709E+22
2090	2,486841E+22	2,558113E+22	2,564379E+22	2,564364E+22	2,558073E+22	2,486802E+22	2,315681E+22	2,090545E+22	1,925690E+22	1,925690E+22	2,090542E+22	2,315671E+22
2091	2,486803E+22	2,558068E+22	2,564329E+22	2,564356E+22	2,558123E+22	2,486873E+22	2,315743E+22	2,090591E+22	1,925707E+22	1,925679E+22	2,090513E+22	2,315652E+22
2092	2,486835E+22	2,558176E+22	2,564455E+22	2,564434E+22	2,558135E+22	2,486823E+22	2,315674E+22	2,090546E+22	1,925700E+22	1,925706E+22	2,090562E+22	2,315690E+22
2093	2,486824E+22	2,558105E+22	2,564359E+22	2,564324E+22	2,558034E+22	2,486752E+22	2,315624E+22	2,090514E+22	1,925678E+22	1,925675E+22	2,090519E+22	2,315645E+22
2094	2,486778E+22	2,558068E+22	2,564376E+22	2,564415E+22	2,558157E+22	2,486870E+22	2,315698E+22	2,090519E+22	1,925642E+22	1,925644E+22	2,090518E+22	2,315682E+22
2095	2,486848E+22	2,558138E+22	2,564412E+22	2,564429E+22	2,558129E+22	2,486790E+22	2,315620E+22	2,090461E+22	1,925595E+22	1,925616E+22	2,090514E+22	2,315681E+22
2096	2,486829E+22	2,558088E+22	2,564307E+22	2,564296E+22	2,558067E+22	2,486805E+22	2,315651E+22	2,090477E+22	1,925578E+22	1,925564E+22	2,090451E+22	2,315635E+22
2097	2,486806E+22	2,558123E+22	2,564414E+22	2,564415E+22	2,558156E+22	2,486880E+22	2,315695E+22	2,090491E+22	1,925589E+22	1,925581E+22	2,090468E+22	2,315656E+22
2098	2,486842E+22	2,558139E+22	2,564406E+22	2,564381E+22	2,558064E+22	2,486767E+22	2,315627E+22	2,090460E+22	1,925575E+22	1,925573E+22	2,090449E+22	2,315612E+22
2099	2,486777E+22	2,558057E+22	2,564312E+22	2,564342E+22	2,558109E+22	2,486829E+22	2,315672E+22	2,090498E+22	1,925600E+22	1,925580E+22	2,090443E+22	2,315600E+22
2100	2,486782E+22	2,558127E+22	2,564425E+22	2,564436E+22	2,558172E+22	2,486850E+22	2,315650E+22	2,090473E+22	1,925604E+22	1,925624E+22	2,090517E+22	2,315678E+22
2101	2,486814E+22	2,558082E+22	2,564337E+22	2,564319E+22	2,558046E+22	2,486772E+22	2,315623E+22	2,090471E+22	1,925612E+22	1,925619E+22	2,090496E+22	2,315650E+22
2102	2,486781E+22	2,558040E+22	2,564316E+22	2,564356E+22	2,558120E+22	2,486863E+22	2,315719E+22	2,090540E+22	1,925645E+22	1,925632E+22	2,090502E+22	2,315673E+22
2103	2,486856E+22	2,558157E+22	2,564420E+22	2,564421E+22	2,558122E+22	2,486795E+22	2,315644E+22	2,090509E+22	1,925658E+22	1,925671E+22	2,090541E+22	2,315686E+22
2104	2,486837E+22	2,558119E+22	2,564349E+22	2,564307E+22	2,558034E+22	2,486766E+22	2,315648E+22	2,090536E+22	1,925689E+22	1,925682E+22	2,090527E+22	2,315650E+22
2105	2,486786E+22	2,558106E+22	2,564427E+22	2,564442E+22	2,558161E+22	2,486865E+22	2,315709E+22	2,090573E+22	1,925731E+22	1,925733E+22	2,090574E+22	2,315698E+22
2106	2,486843E+22	2,558143E+22	2,564439E+22	2,564443E+22	2,558125E+22	2,486796E+22	2,315655E+22	2,090542E+22	1,925725E+22	1,925744E+22	2,090584E+22	2,315685E+22
2107	2,486798E+22	2,558061E+22	2,564320E+22	2,564343E+22	2,558112E+22	2,486848E+22	2,315724E+22	2,090605E+22	1,925756E+22	1,925740E+22	2,090562E+22	2,315665E+22
2108	2,486804E+22	2,558130E+22	2,564438E+22	2,564445E+22	2,558173E+22	2,486880E+22	2,315732E+22	2,090608E+22	1,925770E+22	1,925770E+22	2,090607E+22	2,315723E+22
2109	2,486851E+22	2,558131E+22	2,564398E+22	2,564363E+22	2,558047E+22	2,486766E+22	2,315672E+22	2,090593E+22	1,925777E+22	1,925765E+22	2,090573E+22	2,315663E+22
2110	2,486781E+22	2,558059E+22	2,564343E+22	2,564364E+22	2,558104E+22	2,486838E+22	2,315735E+22	2,090630E+22	1,925785E+22	1,925762E+22	2,090569E+22	2,315666E+22
2111	2,486817E+22	2,558149E+22	2,564457E+22	2,564465E+22	2,558159E+22	2,486813E+22	2,315656E+22	2,090552E+22	1,925740E+22	1,925761E+22	2,090605E+22	2,315707E+22
2112	2,486819E+22	2,558098E+22	2,564362E+22	2,564333E+22	2,558051E+22	2,486774E+22	2,315646E+22	2,090535E+22	1,925704E+22	1,925711E+22	2,090562E+22	2,315679E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2113	2,486783E+22	2,558058E+22	2,564369E+22	2,564408E+22	2,558149E+22	2,486868E+22	2,315719E+22	2,090565E+22	1,925697E+22	1,925691E+22	2,090549E+22	2,315704E+22
2114	2,486868E+22	2,558152E+22	2,564416E+22	2,564420E+22	2,558126E+22	2,486800E+22	2,315647E+22	2,090509E+22	1,925655E+22	1,925661E+22	2,090523E+22	2,315666E+22
2115	2,486815E+22	2,558092E+22	2,564320E+22	2,564293E+22	2,558059E+22	2,486807E+22	2,315679E+22	2,090538E+22	1,925660E+22	1,925635E+22	2,090478E+22	2,315614E+22
2116	2,486777E+22	2,558117E+22	2,564431E+22	2,564424E+22	2,558141E+22	2,486850E+22	2,315689E+22	2,090529E+22	1,925658E+22	1,925655E+22	2,090517E+22	2,315667E+22
2117	2,486823E+22	2,558121E+22	2,564410E+22	2,564397E+22	2,558073E+22	2,486751E+22	2,315612E+22	2,090493E+22	1,925654E+22	1,925656E+22	2,090505E+22	2,315629E+22
2118	2,486756E+22	2,558021E+22	2,564290E+22	2,564329E+22	2,558104E+22	2,486832E+22	2,315687E+22	2,090537E+22	1,925669E+22	1,925661E+22	2,090511E+22	2,315644E+22
2119	2,486794E+22	2,558105E+22	2,564401E+22	2,564425E+22	2,558169E+22	2,486847E+22	2,315661E+22	2,090505E+22	1,925652E+22	1,925673E+22	2,090554E+22	2,315704E+22
2120	2,486840E+22	2,558107E+22	2,564351E+22	2,564308E+22	2,558027E+22	2,486766E+22	2,315645E+22	2,090521E+22	1,925669E+22	1,925669E+22	2,090531E+22	2,315669E+22
2121	2,486789E+22	2,558057E+22	2,564343E+22	2,564361E+22	2,558092E+22	2,486826E+22	2,315715E+22	2,090592E+22	1,925731E+22	1,925711E+22	2,090543E+22	2,315680E+22
2122	2,486853E+22	2,558168E+22	2,564452E+22	2,564446E+22	2,558131E+22	2,486793E+22	2,315652E+22	2,090550E+22	1,925734E+22	1,925747E+22	2,090578E+22	2,315676E+22
2123	2,486804E+22	2,558101E+22	2,564366E+22	2,564334E+22	2,558063E+22	2,486788E+22	2,315673E+22	2,090587E+22	1,925769E+22	1,925765E+22	2,090575E+22	2,315650E+22
2124	2,486761E+22	2,558084E+22	2,564421E+22	2,564443E+22	2,558164E+22	2,486872E+22	2,315729E+22	2,090616E+22	1,925795E+22	1,925800E+22	2,090625E+22	2,315724E+22
2125	2,486847E+22	2,558134E+22	2,564432E+22	2,564438E+22	2,558123E+22	2,486799E+22	2,315678E+22	2,090606E+22	1,925812E+22	1,925815E+22	2,090619E+22	2,315691E+22
2126	2,486791E+22	2,558052E+22	2,564310E+22	2,564321E+22	2,558086E+22	2,486837E+22	2,315747E+22	2,090671E+22	1,925848E+22	1,925825E+22	2,090611E+22	2,315680E+22
2127	2,486801E+22	2,558117E+22	2,564436E+22	2,564447E+22	2,558159E+22	2,486858E+22	2,315730E+22	2,090645E+22	1,925839E+22	1,925840E+22	2,090647E+22	2,315730E+22
2128	2,486848E+22	2,558140E+22	2,564423E+22	2,564381E+22	2,558043E+22	2,486750E+22	2,315672E+22	2,090625E+22	1,925832E+22	1,925832E+22	2,090632E+22	2,315691E+22
2129	2,486771E+22	2,558043E+22	2,564347E+22	2,564378E+22	2,558100E+22	2,486812E+22	2,315715E+22	2,090653E+22	1,925846E+22	1,925836E+22	2,090630E+22	2,315705E+22
2130	2,486830E+22	2,558143E+22	2,564451E+22	2,564463E+22	2,558173E+22	2,486838E+22	2,315673E+22	2,090573E+22	1,925778E+22	1,925806E+22	2,090637E+22	2,315722E+22
2131	2,486825E+22	2,558099E+22	2,564364E+22	2,564327E+22	2,558051E+22	2,486793E+22	2,315680E+22	2,090580E+22	1,925753E+22	1,925749E+22	2,090574E+22	2,315671E+22
2132	2,486785E+22	2,558073E+22	2,564377E+22	2,564394E+22	2,558120E+22	2,486847E+22	2,315725E+22	2,090604E+22	1,925751E+22	1,925732E+22	2,090561E+22	2,315697E+22
2133	2,486865E+22	2,558166E+22	2,564442E+22	2,564434E+22	2,558119E+22	2,486781E+22	2,315644E+22	2,090556E+22	1,925735E+22	1,925725E+22	2,090540E+22	2,315640E+22
2134	2,486776E+22	2,558068E+22	2,564327E+22	2,564306E+22	2,558055E+22	2,486793E+22	2,315680E+22	2,090581E+22	1,925740E+22	1,925721E+22	2,090533E+22	2,315623E+22
2135	2,486745E+22	2,558066E+22	2,564410E+22	2,564441E+22	2,558160E+22	2,486854E+22	2,315688E+22	2,090551E+22	1,925711E+22	1,925719E+22	2,090567E+22	2,315690E+22
2136	2,486818E+22	2,558102E+22	2,564399E+22	2,564391E+22	2,558076E+22	2,486770E+22	2,315642E+22	2,090532E+22	1,925700E+22	1,925712E+22	2,090563E+22	2,315670E+22
2137	2,486766E+22	2,558009E+22	2,564274E+22	2,564309E+22	2,558075E+22	2,486812E+22	2,315700E+22	2,090593E+22	1,925745E+22	1,925731E+22	2,090560E+22	2,315677E+22
2138	2,486825E+22	2,558129E+22	2,564408E+22	2,564407E+22	2,558149E+22	2,486848E+22	2,315682E+22	2,090555E+22	1,925727E+22	1,925739E+22	2,090581E+22	2,315701E+22
2139	2,486839E+22	2,558127E+22	2,564384E+22	2,564318E+22	2,558016E+22	2,486759E+22	2,315664E+22	2,090579E+22	1,925757E+22	1,925750E+22	2,090565E+22	2,315656E+22
2140	2,486774E+22	2,558066E+22	2,564374E+22	2,564386E+22	2,558087E+22	2,486800E+22	2,315704E+22	2,090628E+22	1,925806E+22	1,925791E+22	2,090596E+22	2,315694E+22
2141	2,486843E+22	2,558161E+22	2,564468E+22	2,564479E+22	2,558158E+22	2,486794E+22	2,315647E+22	2,090591E+22	1,925817E+22	1,925829E+22	2,090629E+22	2,315687E+22
2142	2,486782E+22	2,558068E+22	2,564349E+22	2,564335E+22	2,558070E+22	2,486807E+22	2,315705E+22	2,090640E+22	1,925846E+22	1,925848E+22	2,090638E+22	2,315683E+22
2143	2,486761E+22	2,558054E+22	2,564397E+22	2,564438E+22	2,558161E+22	2,486877E+22	2,315755E+22	2,090666E+22	1,925858E+22	1,925856E+22	2,090658E+22	2,315738E+22
2144	2,486858E+22	2,558148E+22	2,564442E+22	2,564426E+22	2,558098E+22	2,486792E+22	2,315703E+22	2,090664E+22	1,925883E+22	1,925881E+22	2,090663E+22	2,315704E+22
2145	2,486785E+22	2,558054E+22	2,564326E+22	2,564323E+22	2,558053E+22	2,486797E+22	2,315740E+22	2,090720E+22	1,925938E+22	1,925914E+22	2,090664E+22	2,315695E+22
2146	2,486800E+22	2,558122E+22	2,564451E+22	2,564456E+22	2,558160E+22	2,486852E+22	2,315724E+22	2,090669E+22	1,925901E+22	1,925910E+22	2,090690E+22	2,315732E+22
2147	2,486828E+22	2,558124E+22	2,564428E+22	2,564397E+22	2,558060E+22	2,486765E+22	2,315683E+22	2,090655E+22	1,925888E+22	1,925894E+22	2,090672E+22	2,315702E+22
2148	2,486771E+22	2,558036E+22	2,564340E+22	2,564377E+22	2,558098E+22	2,486811E+22	2,315721E+22	2,090673E+22	1,925883E+22	1,925876E+22	2,090663E+22	2,315730E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2149	2,486848E+22	2,558150E+22	2,564452E+22	2,564461E+22	2,558168E+22	2,486833E+22	2,315685E+22	2,090620E+22	1,925840E+22	1,925848E+22	2,090648E+22	2,315713E+22
2150	2,486815E+22	2,558095E+22	2,564365E+22	2,564320E+22	2,558033E+22	2,486790E+22	2,315704E+22	2,090635E+22	1,925826E+22	1,925813E+22	2,090603E+22	2,315667E+22
2151	2,486767E+22	2,558054E+22	2,564381E+22	2,564407E+22	2,558111E+22	2,486834E+22	2,315729E+22	2,090638E+22	1,925810E+22	1,925789E+22	2,090587E+22	2,315685E+22
2152	2,486841E+22	2,558158E+22	2,564458E+22	2,564453E+22	2,558121E+22	2,486776E+22	2,315652E+22	2,090590E+22	1,925793E+22	1,925795E+22	2,090598E+22	2,315658E+22
2153	2,486754E+22	2,558035E+22	2,564313E+22	2,564310E+22	2,558051E+22	2,486781E+22	2,315675E+22	2,090613E+22	1,925811E+22	1,925803E+22	2,090600E+22	2,315664E+22
2154	2,486761E+22	2,558055E+22	2,564383E+22	2,564414E+22	2,558155E+22	2,486875E+22	2,315711E+22	2,090583E+22	1,925763E+22	1,925777E+22	2,090609E+22	2,315713E+22
2155	2,486833E+22	2,558109E+22	2,564395E+22	2,564375E+22	2,558057E+22	2,486773E+22	2,315673E+22	2,090589E+22	1,925770E+22	1,925770E+22	2,090589E+22	2,315678E+22
2156	2,486786E+22	2,558039E+22	2,564293E+22	2,564303E+22	2,558039E+22	2,486774E+22	2,315691E+22	2,090631E+22	1,925814E+22	1,925793E+22	2,090590E+22	2,315683E+22
2157	2,486832E+22	2,558155E+22	2,564451E+22	2,564438E+22	2,558141E+22	2,486817E+22	2,315669E+22	2,090601E+22	1,925815E+22	1,925817E+22	2,090614E+22	2,315684E+22
2158	2,486804E+22	2,558113E+22	2,564406E+22	2,564356E+22	2,558031E+22	2,486757E+22	2,315668E+22	2,090620E+22	1,925838E+22	1,925842E+22	2,090626E+22	2,315666E+22
2159	2,486742E+22	2,558022E+22	2,564365E+22	2,564414E+22	2,558117E+22	2,486821E+22	2,315718E+22	2,090658E+22	1,925864E+22	1,925858E+22	2,090643E+22	2,315709E+22
2160	2,486834E+22	2,558144E+22	2,564463E+22	2,564485E+22	2,558173E+22	2,486827E+22	2,315692E+22	2,090644E+22	1,925878E+22	1,925896E+22	2,090686E+22	2,315716E+22
2161	2,486783E+22	2,558050E+22	2,564329E+22	2,564319E+22	2,558047E+22	2,486795E+22	2,315730E+22	2,090710E+22	1,925940E+22	1,925931E+22	2,090690E+22	2,315710E+22
2162	2,486780E+22	2,558063E+22	2,564385E+22	2,564409E+22	2,558138E+22	2,486881E+22	2,315781E+22	2,090724E+22	1,925943E+22	1,925935E+22	2,090696E+22	2,315738E+22
2163	2,486849E+22	2,558156E+22	2,564461E+22	2,564431E+22	2,558079E+22	2,486777E+22	2,315718E+22	2,090719E+22	1,925968E+22	1,925965E+22	2,090707E+22	2,315706E+22
2164	2,486778E+22	2,558057E+22	2,564339E+22	2,564334E+22	2,558035E+22	2,486757E+22	2,315713E+22	2,090739E+22	1,926000E+22	1,925988E+22	2,090722E+22	2,315722E+22
2165	2,486804E+22	2,558123E+22	2,564461E+22	2,564475E+22	2,558169E+22	2,486843E+22	2,315713E+22	2,090692E+22	1,925959E+22	1,925972E+22	2,090732E+22	2,315747E+22
2166	2,486823E+22	2,558110E+22	2,564418E+22	2,564397E+22	2,558062E+22	2,486777E+22	2,315704E+22	2,090686E+22	1,925935E+22	1,925946E+22	2,090711E+22	2,315723E+22
2167	2,486776E+22	2,558026E+22	2,564333E+22	2,564378E+22	2,558091E+22	2,486811E+22	2,315738E+22	2,090706E+22	1,925922E+22	1,925903E+22	2,090668E+22	2,315721E+22
2168	2,486850E+22	2,558171E+22	2,564475E+22	2,564468E+22	2,558156E+22	2,486832E+22	2,315707E+22	2,090662E+22	1,925893E+22	1,925895E+22	2,090670E+22	2,315700E+22
2169	2,486788E+22	2,558085E+22	2,564377E+22	2,564335E+22	2,558016E+22	2,486762E+22	2,315703E+22	2,090681E+22	1,925907E+22	1,925892E+22	2,090647E+22	2,315668E+22
2170	2,486747E+22	2,558037E+22	2,564372E+22	2,564409E+22	2,558121E+22	2,486847E+22	2,315739E+22	2,090669E+22	1,925873E+22	1,925861E+22	2,090632E+22	2,315684E+22
2171	2,486809E+22	2,558128E+22	2,564445E+22	2,564457E+22	2,558129E+22	2,486795E+22	2,315678E+22	2,090632E+22	1,925858E+22	1,925865E+22	2,090644E+22	2,315677E+22
2172	2,486758E+22	2,558025E+22	2,564292E+22	2,564293E+22	2,558030E+22	2,486767E+22	2,315680E+22	2,090645E+22	1,925865E+22	1,925863E+22	2,090648E+22	2,315700E+22
2173	2,486790E+22	2,558076E+22	2,564388E+22	2,564406E+22	2,558132E+22	2,486851E+22	2,315716E+22	2,090636E+22	1,925840E+22	1,925838E+22	2,090638E+22	2,315717E+22
2174	2,486835E+22	2,558120E+22	2,564405E+22	2,564374E+22	2,558037E+22	2,486759E+22	2,315684E+22	2,090637E+22	1,925849E+22	1,925850E+22	2,090636E+22	2,315687E+22
2175	2,486775E+22	2,558036E+22	2,564318E+22	2,564335E+22	2,558037E+22	2,486755E+22	2,315688E+22	2,090660E+22	1,925875E+22	1,925859E+22	2,090628E+22	2,315682E+22
2176	2,486816E+22	2,558156E+22	2,564479E+22	2,564475E+22	2,558158E+22	2,486820E+22	2,315678E+22	2,090633E+22	1,925876E+22	1,925895E+22	2,090678E+22	2,315702E+22
2177	2,486781E+22	2,558082E+22	2,564396E+22	2,564374E+22	2,558046E+22	2,486767E+22	2,315684E+22	2,090664E+22	1,925917E+22	1,925929E+22	2,090693E+22	2,315702E+22
2178	2,486753E+22	2,558013E+22	2,564336E+22	2,564390E+22	2,558122E+22	2,486857E+22	2,315761E+22	2,090708E+22	1,925929E+22	1,925922E+22	2,090682E+22	2,315719E+22
2179	2,486831E+22	2,558142E+22	2,564454E+22	2,564466E+22	2,558152E+22	2,486832E+22	2,315736E+22	2,090719E+22	1,925966E+22	1,925965E+22	2,090712E+22	2,315718E+22
2180	2,486793E+22	2,558068E+22	2,564337E+22	2,564307E+22	2,558007E+22	2,486755E+22	2,315725E+22	2,090759E+22	1,926024E+22	1,926009E+22	2,090732E+22	2,315720E+22
2181	2,486784E+22	2,558082E+22	2,564413E+22	2,564424E+22	2,558116E+22	2,486836E+22	2,315766E+22	2,090771E+22	1,926032E+22	1,926019E+22	2,090741E+22	2,315733E+22
2182	2,486820E+22	2,558139E+22	2,564469E+22	2,564452E+22	2,558085E+22	2,486767E+22	2,315715E+22	2,090749E+22	1,926038E+22	1,926050E+22	2,090772E+22	2,315729E+22
2183	2,486759E+22	2,558029E+22	2,564338E+22	2,564356E+22	2,558051E+22	2,486764E+22	2,315715E+22	2,090750E+22	1,926033E+22	1,926034E+22	2,090760E+22	2,315741E+22
2184	2,486808E+22	2,558123E+22	2,564467E+22	2,564484E+22	2,558174E+22	2,486860E+22	2,315743E+22	2,090725E+22	1,925997E+22	1,926016E+22	2,090768E+22	2,315761E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2185	2,486821E+22	2,558104E+22	2,564412E+22	2,564395E+22	2,558053E+22	2,486771E+22	2,315725E+22	2,090740E+22	1,926006E+22	1,926005E+22	2,090739E+22	2,315729E+22
2186	2,486781E+22	2,558038E+22	2,564329E+22	2,564360E+22	2,558084E+22	2,486824E+22	2,315764E+22	2,090754E+22	1,925989E+22	1,925962E+22	2,090687E+22	2,315698E+22
2187	2,486816E+22	2,558163E+22	2,564490E+22	2,564482E+22	2,558151E+22	2,486827E+22	2,315730E+22	2,090719E+22	1,925971E+22	1,925967E+22	2,090702E+22	2,315695E+22
2188	2,486769E+22	2,558069E+22	2,564373E+22	2,564344E+22	2,558010E+22	2,486733E+22	2,315686E+22	2,090705E+22	1,925971E+22	1,925969E+22	2,090709E+22	2,315700E+22
2189	2,486747E+22	2,558025E+22	2,564359E+22	2,564406E+22	2,558119E+22	2,486835E+22	2,315740E+22	2,090702E+22	1,925935E+22	1,925929E+22	2,090686E+22	2,315711E+22
2190	2,486809E+22	2,558111E+22	2,564422E+22	2,564437E+22	2,558115E+22	2,486797E+22	2,315701E+22	2,090671E+22	1,925913E+22	1,925928E+22	2,090698E+22	2,315711E+22
2191	2,486771E+22	2,558029E+22	2,564294E+22	2,564286E+22	2,558007E+22	2,486748E+22	2,315685E+22	2,090673E+22	1,925910E+22	1,925903E+22	2,090668E+22	2,315706E+22
2192	2,486803E+22	2,558111E+22	2,564428E+22	2,564424E+22	2,558119E+22	2,486833E+22	2,315721E+22	2,090668E+22	1,925898E+22	1,925901E+22	2,090675E+22	2,315713E+22
2193	2,486818E+22	2,558122E+22	2,564431E+22	2,564407E+22	2,558039E+22	2,486735E+22	2,315677E+22	2,090675E+22	1,925927E+22	1,925930E+22	2,090685E+22	2,315692E+22
2194	2,486760E+22	2,558027E+22	2,564316E+22	2,564349E+22	2,558067E+22	2,486784E+22	2,315708E+22	2,090696E+22	1,925939E+22	1,925928E+22	2,090670E+22	2,315680E+22
2195	2,486782E+22	2,558127E+22	2,564472E+22	2,564489E+22	2,558181E+22	2,486854E+22	2,315727E+22	2,090692E+22	1,925948E+22	1,925961E+22	2,090715E+22	2,315716E+22
2196	2,486781E+22	2,558066E+22	2,564373E+22	2,564357E+22	2,558030E+22	2,486758E+22	2,315708E+22	2,090722E+22	1,925994E+22	1,926002E+22	2,090742E+22	2,315728E+22
2197	2,486768E+22	2,558024E+22	2,564331E+22	2,564370E+22	2,558093E+22	2,486836E+22	2,315784E+22	2,090784E+22	1,926028E+22	1,926004E+22	2,090722E+22	2,315720E+22
2198	2,486819E+22	2,558142E+22	2,564457E+22	2,564455E+22	2,558123E+22	2,486812E+22	2,315751E+22	2,090779E+22	1,926062E+22	1,926063E+22	2,090774E+22	2,315731E+22
2199	2,486775E+22	2,558061E+22	2,564359E+22	2,564328E+22	2,557992E+22	2,486720E+22	2,315710E+22	2,090785E+22	1,926090E+22	1,926084E+22	2,090783E+22	2,315734E+22
2200	2,486778E+22	2,558086E+22	2,564440E+22	2,564457E+22	2,558128E+22	2,486823E+22	2,315756E+22	2,090786E+22	1,926086E+22	1,926096E+22	2,090808E+22	2,315761E+22
2201	2,486811E+22	2,558118E+22	2,564460E+22	2,564465E+22	2,558098E+22	2,486770E+22	2,315721E+22	2,090776E+22	1,926094E+22	1,926117E+22	2,090829E+22	2,315767E+22
2202	2,486779E+22	2,558033E+22	2,564321E+22	2,564338E+22	2,558061E+22	2,486796E+22	2,315751E+22	2,090789E+22	1,926076E+22	1,926071E+22	2,090778E+22	2,315741E+22
2203	2,486804E+22	2,558131E+22	2,564477E+22	2,564481E+22	2,558165E+22	2,486866E+22	2,315785E+22	2,090790E+22	1,926065E+22	1,926059E+22	2,090771E+22	2,315749E+22
2204	2,486819E+22	2,558113E+22	2,564424E+22	2,564396E+22	2,558032E+22	2,486740E+22	2,315725E+22	2,090783E+22	1,926078E+22	1,926071E+22	2,090768E+22	2,315722E+22
2205	2,486766E+22	2,558042E+22	2,564347E+22	2,564373E+22	2,558077E+22	2,486796E+22	2,315762E+22	2,090801E+22	1,926067E+22	1,926037E+22	2,090727E+22	2,315689E+22
2206	2,486773E+22	2,558124E+22	2,564474E+22	2,564487E+22	2,558163E+22	2,486830E+22	2,315737E+22	2,090752E+22	1,926037E+22	1,926048E+22	2,090769E+22	2,315722E+22
2207	2,486748E+22	2,558033E+22	2,564357E+22	2,564343E+22	2,558012E+22	2,486734E+22	2,315692E+22	2,090722E+22	1,926006E+22	1,926016E+22	2,090753E+22	2,315732E+22
2208	2,486765E+22	2,558031E+22	2,564359E+22	2,564398E+22	2,558103E+22	2,486826E+22	2,315755E+22	2,090732E+22	1,925979E+22	1,925982E+22	2,090731E+22	2,315737E+22
2209	2,486821E+22	2,558117E+22	2,564420E+22	2,564425E+22	2,558093E+22	2,486777E+22	2,315711E+22	2,090718E+22	1,925983E+22	1,925991E+22	2,090737E+22	2,315730E+22
2210	2,486789E+22	2,558057E+22	2,564308E+22	2,564279E+22	2,558002E+22	2,486751E+22	2,315698E+22	2,090709E+22	1,925968E+22	1,925958E+22	2,090691E+22	2,315689E+22
2211	2,486777E+22	2,558114E+22	2,564459E+22	2,564452E+22	2,558124E+22	2,486826E+22	2,315738E+22	2,090719E+22	1,925971E+22	1,925966E+22	2,090703E+22	2,315710E+22
2212	2,486802E+22	2,558108E+22	2,564434E+22	2,564428E+22	2,558055E+22	2,486724E+22	2,315672E+22	2,090706E+22	1,925995E+22	1,926008E+22	2,090740E+22	2,315715E+22
2213	2,486757E+22	2,558017E+22	2,564310E+22	2,564348E+22	2,558071E+22	2,486787E+22	2,315732E+22	2,090751E+22	1,926014E+22	1,926001E+22	2,090718E+22	2,315694E+22
2214	2,486766E+22	2,558101E+22	2,564447E+22	2,564469E+22	2,558170E+22	2,486862E+22	2,315767E+22	2,090761E+22	1,926031E+22	1,926039E+22	2,090768E+22	2,315737E+22
2215	2,486776E+22	2,558062E+22	2,564378E+22	2,564347E+22	2,558002E+22	2,486733E+22	2,315717E+22	2,090772E+22	1,926068E+22	1,926068E+22	2,090776E+22	2,315735E+22
2216	2,486771E+22	2,558046E+22	2,564365E+22	2,564380E+22	2,558069E+22	2,486802E+22	2,315780E+22	2,090823E+22	1,926108E+22	1,926095E+22	2,090781E+22	2,315726E+22
2217	2,486798E+22	2,558131E+22	2,564472E+22	2,564476E+22	2,558120E+22	2,486784E+22	2,315740E+22	2,090816E+22	1,926144E+22	1,926157E+22	2,090842E+22	2,315757E+22
2218	2,486771E+22	2,558055E+22	2,564357E+22	2,564336E+22	2,558020E+22	2,486743E+22	2,315719E+22	2,090808E+22	1,926142E+22	1,926149E+22	2,090830E+22	2,315747E+22
2219	2,486763E+22	2,558072E+22	2,564443E+22	2,564472E+22	2,558148E+22	2,486848E+22	2,315792E+22	2,090835E+22	1,926143E+22	1,926145E+22	2,090836E+22	2,315782E+22
2220	2,486828E+22	2,558117E+22	2,564450E+22	2,564459E+22	2,558095E+22	2,486765E+22	2,315738E+22	2,090823E+22	1,926156E+22	1,926170E+22	2,090859E+22	2,315784E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2221	2,486795E+22	2,558051E+22	2,564331E+22	2,564329E+22	2,558044E+22	2,486784E+22	2,315777E+22	2,090857E+22	1,926157E+22	1,926133E+22	2,090801E+22	2,315728E+22
2222	2,486777E+22	2,558119E+22	2,564483E+22	2,564480E+22	2,558151E+22	2,486859E+22	2,315808E+22	2,090849E+22	1,926147E+22	1,926139E+22	2,090818E+22	2,315747E+22
2223	2,486784E+22	2,558092E+22	2,564438E+22	2,564410E+22	2,558022E+22	2,486714E+22	2,315716E+22	2,090811E+22	1,926137E+22	1,926136E+22	2,090815E+22	2,315735E+22
2224	2,486752E+22	2,558030E+22	2,564355E+22	2,564385E+22	2,558083E+22	2,486789E+22	2,315755E+22	2,090815E+22	1,926118E+22	1,926113E+22	2,090794E+22	2,315722E+22
2225	2,486768E+22	2,558096E+22	2,564448E+22	2,564471E+22	2,558158E+22	2,486827E+22	2,315743E+22	2,090777E+22	1,926087E+22	1,926109E+22	2,090824E+22	2,315767E+22
2226	2,486778E+22	2,558042E+22	2,564336E+22	2,564309E+22	2,558003E+22	2,486745E+22	2,315713E+22	2,090755E+22	1,926045E+22	1,926048E+22	2,090770E+22	2,315739E+22
2227	2,486774E+22	2,558053E+22	2,564384E+22	2,564401E+22	2,558087E+22	2,486811E+22	2,315773E+22	2,090785E+22	1,926040E+22	1,926019E+22	2,090733E+22	2,315732E+22
2228	2,486828E+22	2,558135E+22	2,564446E+22	2,564438E+22	2,558077E+22	2,486738E+22	2,315695E+22	2,090750E+22	1,926049E+22	1,926055E+22	2,090766E+22	2,315725E+22
2229	2,486775E+22	2,558064E+22	2,564342E+22	2,564308E+22	2,558008E+22	2,486733E+22	2,315702E+22	2,090757E+22	1,926042E+22	1,926030E+22	2,090729E+22	2,315677E+22
2230	2,486729E+22	2,558073E+22	2,564453E+22	2,564470E+22	2,558150E+22	2,486846E+22	2,315762E+22	2,090764E+22	1,926043E+22	1,926046E+22	2,090761E+22	2,315724E+22
2231	2,486769E+22	2,558071E+22	2,564424E+22	2,564429E+22	2,558063E+22	2,486736E+22	2,315695E+22	2,090748E+22	1,926054E+22	1,926068E+22	2,090783E+22	2,315737E+22
2232	2,486760E+22	2,558014E+22	2,564309E+22	2,564338E+22	2,558061E+22	2,486787E+22	2,315757E+22	2,090804E+22	1,926091E+22	1,926082E+22	2,090773E+22	2,315714E+22
2233	2,486766E+22	2,558089E+22	2,564433E+22	2,564447E+22	2,558146E+22	2,486845E+22	2,315782E+22	2,090824E+22	1,926128E+22	1,926131E+22	2,090827E+22	2,315763E+22
2234	2,486788E+22	2,558074E+22	2,564381E+22	2,564336E+22	2,557992E+22	2,486726E+22	2,315728E+22	2,090820E+22	1,926146E+22	1,926147E+22	2,090825E+22	2,315741E+22
2235	2,486756E+22	2,558046E+22	2,564395E+22	2,564409E+22	2,558070E+22	2,486782E+22	2,315783E+22	2,090871E+22	1,926187E+22	1,926171E+22	2,090831E+22	2,315752E+22
2236	2,486803E+22	2,558121E+22	2,564474E+22	2,564490E+22	2,558130E+22	2,486772E+22	2,315729E+22	2,090839E+22	1,926208E+22	1,926235E+22	2,090905E+22	2,315796E+22
2237	2,486789E+22	2,558062E+22	2,564365E+22	2,564338E+22	2,558022E+22	2,486750E+22	2,315746E+22	2,090855E+22	1,926200E+22	1,926205E+22	2,090867E+22	2,315761E+22
2238	2,486760E+22	2,558063E+22	2,564435E+22	2,564461E+22	2,558142E+22	2,486859E+22	2,315831E+22	2,090897E+22	1,926213E+22	1,926202E+22	2,090866E+22	2,315786E+22
2239	2,486820E+22	2,558124E+22	2,564470E+22	2,564460E+22	2,558080E+22	2,486751E+22	2,315748E+22	2,090870E+22	1,926220E+22	1,926220E+22	2,090874E+22	2,315772E+22
2240	2,486785E+22	2,558065E+22	2,564366E+22	2,564348E+22	2,558033E+22	2,486760E+22	2,315772E+22	2,090891E+22	1,926229E+22	1,926214E+22	2,090844E+22	2,315719E+22
2241	2,486739E+22	2,558083E+22	2,564476E+22	2,564490E+22	2,558153E+22	2,486845E+22	2,315805E+22	2,090885E+22	1,926220E+22	1,926221E+22	2,090878E+22	2,315770E+22
2242	2,486771E+22	2,558066E+22	2,564415E+22	2,564403E+22	2,558041E+22	2,486736E+22	2,315726E+22	2,090832E+22	1,926180E+22	1,926189E+22	2,090856E+22	2,315751E+22
2243	2,486742E+22	2,558011E+22	2,564347E+22	2,564380E+22	2,558077E+22	2,486792E+22	2,315779E+22	2,090857E+22	1,926168E+22	1,926152E+22	2,090820E+22	2,315750E+22
2244	2,486795E+22	2,558098E+22	2,564435E+22	2,564449E+22	2,558134E+22	2,486805E+22	2,315745E+22	2,090815E+22	1,926145E+22	1,926160E+22	2,090854E+22	2,315786E+22
2245	2,486804E+22	2,558073E+22	2,564360E+22	2,564303E+22	2,557976E+22	2,486723E+22	2,315724E+22	2,090806E+22	1,926111E+22	1,926103E+22	2,090788E+22	2,315725E+22
2246	2,486753E+22	2,558050E+22	2,564404E+22	2,564416E+22	2,558081E+22	2,486800E+22	2,315781E+22	2,090831E+22	1,926114E+22	1,926091E+22	2,090772E+22	2,315725E+22
2247	2,486793E+22	2,558120E+22	2,564474E+22	2,564470E+22	2,558090E+22	2,486725E+22	2,315684E+22	2,090774E+22	1,926104E+22	1,926116E+22	2,090806E+22	2,315733E+22
2248	2,486758E+22	2,558047E+22	2,564353E+22	2,564332E+22	2,558030E+22	2,486743E+22	2,315705E+22	2,090778E+22	1,926103E+22	1,926113E+22	2,090792E+22	2,315700E+22
2249	2,486713E+22	2,558030E+22	2,564418E+22	2,564453E+22	2,558152E+22	2,486864E+22	2,315794E+22	2,090816E+22	1,926114E+22	1,926121E+22	2,090819E+22	2,315761E+22
2250	2,486787E+22	2,558068E+22	2,564398E+22	2,564395E+22	2,558053E+22	2,486752E+22	2,315730E+22	2,090807E+22	1,926124E+22	1,926127E+22	2,090814E+22	2,315744E+22
2251	2,486762E+22	2,558026E+22	2,564328E+22	2,564335E+22	2,558035E+22	2,486767E+22	2,315777E+22	2,090872E+22	1,926181E+22	1,926151E+22	2,090802E+22	2,315725E+22
2252	2,486778E+22	2,558099E+22	2,564449E+22	2,564450E+22	2,558123E+22	2,486804E+22	2,315766E+22	2,090864E+22	1,926214E+22	1,926222E+22	2,090883E+22	2,315780E+22
2253	2,486790E+22	2,558084E+22	2,564408E+22	2,564359E+22	2,557991E+22	2,486708E+22	2,315729E+22	2,090864E+22	1,926223E+22	1,926229E+22	2,090878E+22	2,315752E+22
2254	2,486733E+22	2,558022E+22	2,564396E+22	2,564428E+22	2,558092E+22	2,486798E+22	2,315800E+22	2,090911E+22	1,926255E+22	1,926247E+22	2,090889E+22	2,315776E+22
2255	2,486792E+22	2,558109E+22	2,564481E+22	2,564494E+22	2,558131E+22	2,486778E+22	2,315747E+22	2,090877E+22	1,926259E+22	1,926283E+22	2,090937E+22	2,315812E+22
2256	2,486800E+22	2,558075E+22	2,564382E+22	2,564345E+22	2,558019E+22	2,486753E+22	2,315767E+22	2,090903E+22	1,926274E+22	1,926277E+22	2,090903E+22	2,315761E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2257	2,486749E+22	2,558053E+22	2,564431E+22	2,564453E+22	2,558128E+22	2,486853E+22	2,315850E+22	2,090955E+22	1,926298E+22	1,926280E+22	2,090904E+22	2,315786E+22
2258	2,486809E+22	2,558120E+22	2,564469E+22	2,564455E+22	2,558077E+22	2,486750E+22	2,315760E+22	2,090915E+22	1,926291E+22	1,926287E+22	2,090908E+22	2,315762E+22
2259	2,486753E+22	2,558045E+22	2,564380E+22	2,564371E+22	2,558037E+22	2,486750E+22	2,315777E+22	2,090933E+22	1,926299E+22	1,926278E+22	2,090888E+22	2,315745E+22
2260	2,486740E+22	2,558055E+22	2,564450E+22	2,564480E+22	2,558149E+22	2,486834E+22	2,315794E+22	2,090902E+22	1,926274E+22	1,926290E+22	2,090937E+22	2,315811E+22
2261	2,486794E+22	2,558068E+22	2,564406E+22	2,564385E+22	2,558019E+22	2,486731E+22	2,315749E+22	2,090874E+22	1,926227E+22	1,926236E+22	2,090890E+22	2,315769E+22
2262	2,486751E+22	2,558012E+22	2,564343E+22	2,564367E+22	2,558056E+22	2,486783E+22	2,315794E+22	2,090902E+22	1,926226E+22	1,926201E+22	2,090846E+22	2,315752E+22
2263	2,486793E+22	2,558118E+22	2,564467E+22	2,564454E+22	2,558109E+22	2,486776E+22	2,315734E+22	2,090841E+22	1,926196E+22	1,926204E+22	2,090867E+22	2,315773E+22
2264	2,486795E+22	2,558092E+22	2,564406E+22	2,564342E+22	2,557980E+22	2,486706E+22	2,315710E+22	2,090824E+22	1,926174E+22	1,926177E+22	2,090825E+22	2,315712E+22
2265	2,486715E+22	2,558016E+22	2,564401E+22	2,564436E+22	2,558103E+22	2,486808E+22	2,315786E+22	2,090863E+22	1,926180E+22	1,926166E+22	2,090824E+22	2,315739E+22
2266	2,486776E+22	2,558089E+22	2,564447E+22	2,564470E+22	2,558121E+22	2,486766E+22	2,315713E+22	2,090810E+22	1,926157E+22	1,926170E+22	2,090843E+22	2,315744E+22
2267	2,486746E+22	2,558025E+22	2,564342E+22	2,564332E+22	2,558028E+22	2,486758E+22	2,315747E+22	2,090845E+22	1,926175E+22	1,926166E+22	2,090827E+22	2,315732E+22
2268	2,486735E+22	2,558021E+22	2,564391E+22	2,564422E+22	2,558122E+22	2,486847E+22	2,315809E+22	2,090877E+22	1,926202E+22	1,926201E+22	2,090869E+22	2,315785E+22
2269	2,486809E+22	2,558092E+22	2,564414E+22	2,564381E+22	2,558012E+22	2,486728E+22	2,315751E+22	2,090873E+22	1,926215E+22	1,926213E+22	2,090860E+22	2,315746E+22
2270	2,486748E+22	2,558025E+22	2,564347E+22	2,564346E+22	2,558016E+22	2,486741E+22	2,315778E+22	2,090923E+22	1,926272E+22	1,926246E+22	2,090864E+22	2,315737E+22
2271	2,486760E+22	2,558100E+22	2,564480E+22	2,564478E+22	2,558123E+22	2,486780E+22	2,315745E+22	2,090886E+22	1,926279E+22	1,926298E+22	2,090938E+22	2,315805E+22
2272	2,486794E+22	2,558088E+22	2,564431E+22	2,564391E+22	2,558011E+22	2,486712E+22	2,315722E+22	2,090878E+22	1,926282E+22	1,926309E+22	2,090935E+22	2,315775E+22
2273	2,486731E+22	2,558002E+22	2,564377E+22	2,564421E+22	2,558096E+22	2,486815E+22	2,315830E+22	2,090959E+22	1,926319E+22	1,926309E+22	2,090931E+22	2,315798E+22
2274	2,486806E+22	2,558116E+22	2,564472E+22	2,564484E+22	2,558133E+22	2,486796E+22	2,315781E+22	2,090932E+22	1,926323E+22	1,926329E+22	2,090948E+22	2,315797E+22
2275	2,486785E+22	2,558080E+22	2,564408E+22	2,564362E+22	2,558005E+22	2,486741E+22	2,315789E+22	2,090967E+22	1,926356E+22	1,926337E+22	2,090925E+22	2,315757E+22
2276	2,486735E+22	2,558037E+22	2,564429E+22	2,564458E+22	2,558114E+22	2,486827E+22	2,315844E+22	2,090997E+22	1,926381E+22	1,926368E+22	2,090958E+22	2,315792E+22
2277	2,486791E+22	2,558108E+22	2,564473E+22	2,564465E+22	2,558072E+22	2,486744E+22	2,315772E+22	2,090954E+22	1,926359E+22	1,926364E+22	2,090961E+22	2,315773E+22
2278	2,486726E+22	2,558008E+22	2,564359E+22	2,564369E+22	2,558040E+22	2,486760E+22	2,315792E+22	2,090968E+22	1,926358E+22	1,926346E+22	2,090943E+22	2,315770E+22
2279	2,486740E+22	2,558050E+22	2,564444E+22	2,564466E+22	2,558128E+22	2,486822E+22	2,315798E+22	2,090929E+22	1,926316E+22	1,926330E+22	2,090966E+22	2,315833E+22
2280	2,486819E+22	2,558092E+22	2,564421E+22	2,564388E+22	2,558006E+22	2,486717E+22	2,315746E+22	2,090899E+22	1,926285E+22	1,926297E+22	2,090919E+22	2,315772E+22
2281	2,486749E+22	2,558015E+22	2,564348E+22	2,564365E+22	2,558043E+22	2,486773E+22	2,315803E+22	2,090940E+22	1,926289E+22	1,926264E+22	2,090880E+22	2,315755E+22
2282	2,486786E+22	2,558121E+22	2,564477E+22	2,564471E+22	2,558117E+22	2,486778E+22	2,315742E+22	2,090873E+22	1,926249E+22	1,926256E+22	2,090892E+22	2,315762E+22
2283	2,486764E+22	2,558076E+22	2,564425E+22	2,564381E+22	2,558000E+22	2,486713E+22	2,315722E+22	2,090863E+22	1,926235E+22	1,926234E+22	2,090866E+22	2,315734E+22
2284	2,486712E+22	2,557986E+22	2,564369E+22	2,564427E+22	2,558107E+22	2,486818E+22	2,315800E+22	2,090897E+22	1,926243E+22	1,926238E+22	2,090878E+22	2,315768E+22
2285	2,486789E+22	2,558087E+22	2,564432E+22	2,564446E+22	2,558095E+22	2,486773E+22	2,315759E+22	2,090874E+22	1,926226E+22	1,926232E+22	2,090880E+22	2,315756E+22
2286	2,486747E+22	2,558022E+22	2,564336E+22	2,564318E+22	2,558001E+22	2,486745E+22	2,315771E+22	2,090912E+22	1,926264E+22	1,926242E+22	2,090866E+22	2,315735E+22
2287	2,486732E+22	2,558043E+22	2,564419E+22	2,564420E+22	2,558080E+22	2,486801E+22	2,315796E+22	2,090915E+22	1,926278E+22	1,926276E+22	2,090907E+22	2,315788E+22
2288	2,486805E+22	2,558109E+22	2,564454E+22	2,564417E+22	2,558010E+22	2,486699E+22	2,315728E+22	2,090895E+22	1,926295E+22	1,926311E+22	2,090922E+22	2,315752E+22
2289	2,486723E+22	2,558003E+22	2,564349E+22	2,564370E+22	2,558035E+22	2,486745E+22	2,315776E+22	2,090947E+22	1,926337E+22	1,926328E+22	2,090928E+22	2,315764E+22
2290	2,486755E+22	2,558082E+22	2,564464E+22	2,564485E+22	2,558148E+22	2,486809E+22	2,315769E+22	2,090919E+22	1,926329E+22	1,926351E+22	2,090973E+22	2,315815E+22
2291	2,486788E+22	2,558080E+22	2,564436E+22	2,564408E+22	2,558021E+22	2,486731E+22	2,315764E+22	2,090942E+22	1,926351E+22	1,926356E+22	2,090962E+22	2,315794E+22
2292	2,486745E+22	2,557999E+22	2,564361E+22	2,564405E+22	2,558081E+22	2,486811E+22	2,315852E+22	2,091020E+22	1,926407E+22	1,926386E+22	2,090968E+22	2,315801E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2293	2,486806E+22	2,558129E+22	2,564488E+22	2,564479E+22	2,558104E+22	2,486787E+22	2,315817E+22	2,091002E+22	1,926413E+22	1,926410E+22	2,090987E+22	2,315788E+22
2294	2,486752E+22	2,558060E+22	2,564414E+22	2,564378E+22	2,557998E+22	2,486725E+22	2,315799E+22	2,091022E+22	1,926445E+22	1,926429E+22	2,090985E+22	2,315764E+22
2295	2,486708E+22	2,558020E+22	2,564430E+22	2,564462E+22	2,558106E+22	2,486806E+22	2,315828E+22	2,091016E+22	1,926440E+22	1,926441E+22	2,091018E+22	2,315823E+22
2296	2,486796E+22	2,558101E+22	2,564469E+22	2,564469E+22	2,558075E+22	2,486743E+22	2,315766E+22	2,090965E+22	1,926410E+22	1,926437E+22	2,091019E+22	2,315804E+22
2297	2,486736E+22	2,558000E+22	2,564335E+22	2,564345E+22	2,558024E+22	2,486759E+22	2,315809E+22	2,091001E+22	1,926405E+22	1,926394E+22	2,090980E+22	2,315798E+22
2298	2,486766E+22	2,558071E+22	2,564444E+22	2,564455E+22	2,558114E+22	2,486814E+22	2,315810E+22	2,090964E+22	1,926362E+22	1,926362E+22	2,090970E+22	2,315820E+22
2299	2,486814E+22	2,558113E+22	2,564461E+22	2,564421E+22	2,558001E+22	2,486700E+22	2,315752E+22	2,090940E+22	1,926342E+22	1,926337E+22	2,090933E+22	2,315767E+22
2300	2,486737E+22	2,558007E+22	2,564354E+22	2,564385E+22	2,558046E+22	2,486759E+22	2,315797E+22	2,090969E+22	1,926353E+22	1,926334E+22	2,090921E+22	2,315754E+22
2301	2,486764E+22	2,558109E+22	2,564485E+22	2,564487E+22	2,558125E+22	2,486794E+22	2,315773E+22	2,090914E+22	1,926307E+22	1,926319E+22	2,090932E+22	2,315763E+22
2302	2,486733E+22	2,558038E+22	2,564403E+22	2,564382E+22	2,558008E+22	2,486732E+22	2,315758E+22	2,090915E+22	1,926304E+22	1,926303E+22	2,090914E+22	2,315748E+22
2303	2,486705E+22	2,557980E+22	2,564354E+22	2,564404E+22	2,558082E+22	2,486807E+22	2,315817E+22	2,090945E+22	1,926310E+22	1,926300E+22	2,090918E+22	2,315786E+22
2304	2,486802E+22	2,558104E+22	2,564441E+22	2,564442E+22	2,558074E+22	2,486751E+22	2,315756E+22	2,090914E+22	1,926311E+22	1,926320E+22	2,090927E+22	2,315761E+22
2305	2,486738E+22	2,558020E+22	2,564336E+22	2,564311E+22	2,557977E+22	2,486721E+22	2,315773E+22	2,090955E+22	1,926345E+22	1,926329E+22	2,090924E+22	2,315752E+22
2306	2,486730E+22	2,558045E+22	2,564431E+22	2,564441E+22	2,558083E+22	2,486784E+22	2,315789E+22	2,090945E+22	1,926342E+22	1,926345E+22	2,090953E+22	2,315796E+22
2307	2,486788E+22	2,558101E+22	2,564475E+22	2,564459E+22	2,558035E+22	2,486700E+22	2,315729E+22	2,090924E+22	1,926353E+22	1,926373E+22	2,090975E+22	2,315790E+22
2308	2,486731E+22	2,557986E+22	2,564329E+22	2,564367E+22	2,558044E+22	2,486759E+22	2,315795E+22	2,090983E+22	1,926398E+22	1,926398E+22	2,090983E+22	2,315794E+22
2309	2,486773E+22	2,558093E+22	2,564466E+22	2,564474E+22	2,558128E+22	2,486824E+22	2,315825E+22	2,090986E+22	1,926398E+22	1,926408E+22	2,091000E+22	2,315814E+22
2310	2,486779E+22	2,558081E+22	2,564441E+22	2,564410E+22	2,558010E+22	2,486728E+22	2,315798E+22	2,091017E+22	1,926446E+22	1,926434E+22	2,090992E+22	2,315778E+22
2311	2,486725E+22	2,558012E+22	2,564382E+22	2,564406E+22	2,558056E+22	2,486781E+22	2,315850E+22	2,091067E+22	1,926490E+22	1,926468E+22	2,091009E+22	2,315796E+22
2312	2,486783E+22	2,558124E+22	2,564508E+22	2,564507E+22	2,558108E+22	2,486767E+22	2,315801E+22	2,091032E+22	1,926497E+22	1,926509E+22	2,091050E+22	2,315796E+22
2313	2,486721E+22	2,558022E+22	2,564393E+22	2,564380E+22	2,558007E+22	2,486729E+22	2,315807E+22	2,091052E+22	1,926509E+22	1,926508E+22	2,091053E+22	2,315803E+22
2314	2,486713E+22	2,558002E+22	2,564406E+22	2,564452E+22	2,558106E+22	2,486811E+22	2,315847E+22	2,091046E+22	1,926482E+22	1,926486E+22	2,091052E+22	2,315845E+22
2315	2,486806E+22	2,558106E+22	2,564474E+22	2,564474E+22	2,558070E+22	2,486741E+22	2,315788E+22	2,091011E+22	1,926460E+22	1,926473E+22	2,091046E+22	2,315832E+22
2316	2,486759E+22	2,558016E+22	2,564334E+22	2,564330E+22	2,558004E+22	2,486744E+22	2,315815E+22	2,091038E+22	1,926468E+22	1,926454E+22	2,091010E+22	2,315801E+22
2317	2,486771E+22	2,558098E+22	2,564475E+22	2,564459E+22	2,558088E+22	2,486803E+22	2,315836E+22	2,091011E+22	1,926425E+22	1,926421E+22	2,090994E+22	2,315803E+22
2318	2,486780E+22	2,558099E+22	2,564479E+22	2,564457E+22	2,558019E+22	2,486694E+22	2,315761E+22	2,090984E+22	1,926414E+22	1,926408E+22	2,090973E+22	2,315761E+22
2319	2,486707E+22	2,557994E+22	2,564355E+22	2,564394E+22	2,558053E+22	2,486751E+22	2,315790E+22	2,090988E+22	1,926404E+22	1,926395E+22	2,090968E+22	2,315772E+22
2320	2,486753E+22	2,558090E+22	2,564473E+22	2,564488E+22	2,558133E+22	2,486801E+22	2,315783E+22	2,090943E+22	1,926367E+22	1,926389E+22	2,090982E+22	2,315783E+22
2321	2,486729E+22	2,558019E+22	2,564373E+22	2,564354E+22	2,557991E+22	2,486731E+22	2,315785E+22	2,090965E+22	1,926368E+22	1,926364E+22	2,090958E+22	2,315772E+22
2322	2,486717E+22	2,557987E+22	2,564348E+22	2,564385E+22	2,558053E+22	2,486781E+22	2,315824E+22	2,090989E+22	1,926375E+22	1,926356E+22	2,090941E+22	2,315782E+22
2323	2,486793E+22	2,558117E+22	2,564472E+22	2,564465E+22	2,558064E+22	2,486726E+22	2,315756E+22	2,090955E+22	1,926379E+22	1,926385E+22	2,090971E+22	2,315778E+22
2324	2,486731E+22	2,558014E+22	2,564342E+22	2,564325E+22	2,557981E+22	2,486703E+22	2,315760E+22	2,090979E+22	1,926412E+22	1,926412E+22	2,090984E+22	2,315772E+22
2325	2,486724E+22	2,558044E+22	2,564443E+22	2,564454E+22	2,558089E+22	2,486797E+22	2,315818E+22	2,090983E+22	1,926401E+22	1,926411E+22	2,090999E+22	2,315810E+22
2326	2,486773E+22	2,558079E+22	2,564468E+22	2,564473E+22	2,558054E+22	2,486721E+22	2,315769E+22	2,090983E+22	1,926424E+22	1,926438E+22	2,091014E+22	2,315799E+22
2327	2,486730E+22	2,557995E+22	2,564330E+22	2,564354E+22	2,558028E+22	2,486752E+22	2,315819E+22	2,091040E+22	1,926472E+22	1,926462E+22	2,091016E+22	2,315800E+22
2328	2,486772E+22	2,558106E+22	2,564483E+22	2,564479E+22	2,558118E+22	2,486813E+22	2,315838E+22	2,091044E+22	1,926495E+22	1,926500E+22	2,091043E+22	2,315808E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2329	2,486755E+22	2,558069E+22	2,564442E+22	2,564406E+22	2,557995E+22	2,486714E+22	2,315816E+22	2,091076E+22	1,926538E+22	1,926529E+22	2,091054E+22	2,315793E+22
2330	2,486708E+22	2,557995E+22	2,564380E+22	2,564417E+22	2,558057E+22	2,486762E+22	2,315847E+22	2,091105E+22	1,926564E+22	1,926547E+22	2,091064E+22	2,315812E+22
2331	2,486766E+22	2,558105E+22	2,564510E+22	2,564527E+22	2,558125E+22	2,486768E+22	2,315803E+22	2,091060E+22	1,926551E+22	1,926573E+22	2,091113E+22	2,315847E+22
2332	2,486738E+22	2,558009E+22	2,564366E+22	2,564358E+22	2,557998E+22	2,486728E+22	2,315818E+22	2,091081E+22	1,926560E+22	1,926569E+22	2,091106E+22	2,315843E+22
2333	2,486745E+22	2,558028E+22	2,564417E+22	2,564435E+22	2,558073E+22	2,486803E+22	2,315882E+22	2,091097E+22	1,926536E+22	1,926527E+22	2,091071E+22	2,315847E+22
2334	2,486807E+22	2,558121E+22	2,564497E+22	2,564484E+22	2,558059E+22	2,486723E+22	2,315801E+22	2,091062E+22	1,926531E+22	1,926529E+22	2,091061E+22	2,315809E+22
2335	2,486743E+22	2,558037E+22	2,564370E+22	2,564347E+22	2,557993E+22	2,486716E+22	2,315803E+22	2,091064E+22	1,926526E+22	1,926513E+22	2,091038E+22	2,315788E+22
2336	2,486741E+22	2,558090E+22	2,564500E+22	2,564499E+22	2,558113E+22	2,486796E+22	2,315821E+22	2,091030E+22	1,926487E+22	1,926493E+22	2,091036E+22	2,315798E+22
2337	2,486737E+22	2,558052E+22	2,564452E+22	2,564455E+22	2,558041E+22	2,486715E+22	2,315782E+22	2,091017E+22	1,926468E+22	1,926471E+22	2,091025E+22	2,315785E+22
2338	2,486698E+22	2,557961E+22	2,564322E+22	2,564377E+22	2,558055E+22	2,486763E+22	2,315819E+22	2,091030E+22	1,926453E+22	1,926439E+22	2,090997E+22	2,315787E+22
2339	2,486753E+22	2,558080E+22	2,564462E+22	2,564478E+22	2,558124E+22	2,486798E+22	2,315806E+22	2,090996E+22	1,926427E+22	1,926438E+22	2,091019E+22	2,315813E+22
2340	2,486743E+22	2,558022E+22	2,564362E+22	2,564325E+22	2,557960E+22	2,486708E+22	2,315792E+22	2,091012E+22	1,926444E+22	1,926442E+22	2,091007E+22	2,315790E+22
2341	2,486726E+22	2,558010E+22	2,564379E+22	2,564384E+22	2,558017E+22	2,486753E+22	2,315839E+22	2,091036E+22	1,926446E+22	1,926429E+22	2,090986E+22	2,315786E+22
2342	2,486772E+22	2,558107E+22	2,564492E+22	2,564494E+22	2,558077E+22	2,486712E+22	2,315756E+22	2,090995E+22	1,926455E+22	1,926466E+22	2,091022E+22	2,315787E+22
2343	2,486722E+22	2,558018E+22	2,564353E+22	2,564335E+22	2,557990E+22	2,486701E+22	2,315757E+22	2,090998E+22	1,926465E+22	1,926478E+22	2,091034E+22	2,315798E+22
2344	2,486729E+22	2,558045E+22	2,564448E+22	2,564463E+22	2,558101E+22	2,486806E+22	2,315833E+22	2,091025E+22	1,926469E+22	1,926478E+22	2,091039E+22	2,315822E+22
2345	2,486770E+22	2,558072E+22	2,564456E+22	2,564459E+22	2,558049E+22	2,486728E+22	2,315806E+22	2,091051E+22	1,926506E+22	1,926505E+22	2,091050E+22	2,315808E+22
2346	2,486729E+22	2,557998E+22	2,564340E+22	2,564356E+22	2,558013E+22	2,486734E+22	2,315836E+22	2,091101E+22	1,926557E+22	1,926532E+22	2,091043E+22	2,315788E+22
2347	2,486744E+22	2,558097E+22	2,564507E+22	2,564508E+22	2,558123E+22	2,486798E+22	2,315846E+22	2,091096E+22	1,926576E+22	1,926581E+22	2,091102E+22	2,315826E+22
2348	2,486734E+22	2,558044E+22	2,564434E+22	2,564410E+22	2,557999E+22	2,486705E+22	2,315815E+22	2,091113E+22	1,926617E+22	1,926624E+22	2,091129E+22	2,315826E+22
2349	2,486706E+22	2,557986E+22	2,564378E+22	2,564407E+22	2,558045E+22	2,486769E+22	2,315876E+22	2,091146E+22	1,926625E+22	1,926616E+22	2,091119E+22	2,315840E+22
2350	2,486765E+22	2,558090E+22	2,564501E+22	2,564525E+22	2,558128E+22	2,486776E+22	2,315833E+22	2,091114E+22	1,926619E+22	1,926635E+22	2,091150E+22	2,315862E+22
2351	2,486757E+22	2,558035E+22	2,564377E+22	2,564344E+22	2,557975E+22	2,486707E+22	2,315817E+22	2,091116E+22	1,926617E+22	1,926619E+22	2,091131E+22	2,315850E+22
2352	2,486754E+22	2,558052E+22	2,564446E+22	2,564448E+22	2,558065E+22	2,486782E+22	2,315874E+22	2,091134E+22	1,926607E+22	1,926592E+22	2,091097E+22	2,315836E+22
2353	2,486783E+22	2,558111E+22	2,564508E+22	2,564498E+22	2,558064E+22	2,486717E+22	2,315809E+22	2,091102E+22	1,926594E+22	1,926594E+22	2,091101E+22	2,315811E+22
2354	2,486717E+22	2,558010E+22	2,564374E+22	2,564370E+22	2,558008E+22	2,486708E+22	2,315799E+22	2,091089E+22	1,926576E+22	1,926566E+22	2,091072E+22	2,315792E+22
2355	2,486713E+22	2,558054E+22	2,564490E+22	2,564512E+22	2,558138E+22	2,486817E+22	2,315839E+22	2,091059E+22	1,926528E+22	1,926541E+22	2,091085E+22	2,315834E+22
2356	2,486740E+22	2,558027E+22	2,564416E+22	2,564420E+22	2,558025E+22	2,486723E+22	2,315807E+22	2,091059E+22	1,926523E+22	1,926528E+22	2,091069E+22	2,315816E+22
2357	2,486721E+22	2,557978E+22	2,564323E+22	2,564339E+22	2,558008E+22	2,486750E+22	2,315852E+22	2,091089E+22	1,926519E+22	1,926490E+22	2,091020E+22	2,315790E+22
2358	2,486753E+22	2,558087E+22	2,564477E+22	2,564477E+22	2,558102E+22	2,486771E+22	2,315813E+22	2,091051E+22	1,926509E+22	1,926507E+22	2,091045E+22	2,315802E+22
2359	2,486737E+22	2,558044E+22	2,564393E+22	2,564337E+22	2,557942E+22	2,486668E+22	2,315767E+22	2,091033E+22	1,926507E+22	1,926513E+22	2,091051E+22	2,315797E+22
2360	2,486712E+22	2,558009E+22	2,564408E+22	2,564423E+22	2,558038E+22	2,486739E+22	2,315816E+22	2,091057E+22	1,926513E+22	1,926505E+22	2,091037E+22	2,315797E+22
2361	2,486750E+22	2,558078E+22	2,564481E+22	2,564501E+22	2,558098E+22	2,486734E+22	2,315779E+22	2,091033E+22	1,926512E+22	1,926531E+22	2,091074E+22	2,315814E+22
2362	2,486721E+22	2,557998E+22	2,564347E+22	2,564339E+22	2,557996E+22	2,486711E+22	2,315787E+22	2,091051E+22	1,926528E+22	1,926529E+22	2,091061E+22	2,315804E+22
2363	2,486725E+22	2,558041E+22	2,564453E+22	2,564469E+22	2,558108E+22	2,486815E+22	2,315864E+22	2,091089E+22	1,926545E+22	1,926542E+22	2,091079E+22	2,315836E+22
2364	2,486767E+22	2,558068E+22	2,564452E+22	2,564442E+22	2,558030E+22	2,486721E+22	2,315828E+22	2,091117E+22	1,926604E+22	1,926602E+22	2,091107E+22	2,315820E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2365	2,486723E+22	2,558004E+22	2,564364E+22	2,564356E+22	2,557987E+22	2,486720E+22	2,315859E+22	2,091163E+22	1,926649E+22	1,926624E+22	2,091102E+22	2,315800E+22
2366	2,486720E+22	2,558069E+22	2,564508E+22	2,564527E+22	2,558133E+22	2,486789E+22	2,315848E+22	2,091144E+22	1,926664E+22	1,926674E+22	2,091164E+22	2,315849E+22
2367	2,486735E+22	2,558040E+22	2,564427E+22	2,564402E+22	2,557993E+22	2,486698E+22	2,315811E+22	2,091134E+22	1,926672E+22	1,926696E+22	2,091191E+22	2,315868E+22
2368	2,486729E+22	2,557995E+22	2,564385E+22	2,564408E+22	2,558038E+22	2,486757E+22	2,315875E+22	2,091180E+22	1,926685E+22	1,926673E+22	2,091155E+22	2,315858E+22
2369	2,486775E+22	2,558096E+22	2,564498E+22	2,564507E+22	2,558108E+22	2,486767E+22	2,315850E+22	2,091162E+22	1,926683E+22	1,926687E+22	2,091174E+22	2,315866E+22
2370	2,486758E+22	2,558045E+22	2,564405E+22	2,564363E+22	2,557965E+22	2,486686E+22	2,315817E+22	2,091152E+22	1,926675E+22	1,926666E+22	2,091140E+22	2,315828E+22
2371	2,486727E+22	2,558046E+22	2,564476E+22	2,564489E+22	2,558086E+22	2,486778E+22	2,315873E+22	2,091162E+22	1,926658E+22	1,926646E+22	2,091134E+22	2,315838E+22
2372	2,486753E+22	2,558079E+22	2,564494E+22	2,564503E+22	2,558081E+22	2,486730E+22	2,315819E+22	2,091134E+22	1,926654E+22	1,926662E+22	2,091150E+22	2,315829E+22
2373	2,486705E+22	2,557989E+22	2,564363E+22	2,564355E+22	2,558000E+22	2,486731E+22	2,315840E+22	2,091135E+22	1,926629E+22	1,926618E+22	2,091109E+22	2,315806E+22
2374	2,486703E+22	2,558023E+22	2,564463E+22	2,564496E+22	2,558130E+22	2,486824E+22	2,315873E+22	2,091120E+22	1,926600E+22	1,926600E+22	2,091113E+22	2,315839E+22
2375	2,486753E+22	2,558043E+22	2,564412E+22	2,564390E+22	2,557988E+22	2,486698E+22	2,315809E+22	2,091099E+22	1,926591E+22	1,926592E+22	2,091106E+22	2,315828E+22
2376	2,486732E+22	2,557999E+22	2,564349E+22	2,564344E+22	2,557982E+22	2,486711E+22	2,315833E+22	2,091125E+22	1,926598E+22	1,926567E+22	2,091060E+22	2,315792E+22
2377	2,486739E+22	2,558082E+22	2,564490E+22	2,564487E+22	2,558094E+22	2,486749E+22	2,315807E+22	2,091087E+22	1,926579E+22	1,926584E+22	2,091099E+22	2,315819E+22
2378	2,486727E+22	2,558026E+22	2,564409E+22	2,564373E+22	2,557960E+22	2,486658E+22	2,315752E+22	2,091049E+22	1,926557E+22	1,926570E+22	2,091092E+22	2,315812E+22
2379	2,486703E+22	2,557991E+22	2,564410E+22	2,564448E+22	2,558071E+22	2,486765E+22	2,315834E+22	2,091081E+22	1,926552E+22	1,926555E+22	2,091087E+22	2,315831E+22
2380	2,486759E+22	2,558067E+22	2,564463E+22	2,564482E+22	2,558095E+22	2,486754E+22	2,315816E+22	2,091089E+22	1,926580E+22	1,926592E+22	2,091115E+22	2,315835E+22
2381	2,486736E+22	2,558016E+22	2,564361E+22	2,564320E+22	2,557963E+22	2,486711E+22	2,315829E+22	2,091125E+22	1,926614E+22	1,926597E+22	2,091088E+22	2,315797E+22
2382	2,486708E+22	2,558033E+22	2,564465E+22	2,564480E+22	2,558100E+22	2,486806E+22	2,315886E+22	2,091161E+22	1,926651E+22	1,926635E+22	2,091115E+22	2,315822E+22
2383	2,486749E+22	2,558072E+22	2,564469E+22	2,564451E+22	2,558018E+22	2,486694E+22	2,315814E+22	2,091152E+22	1,926688E+22	1,926696E+22	2,091170E+22	2,315835E+22
2384	2,486707E+22	2,557989E+22	2,564372E+22	2,564375E+22	2,557994E+22	2,486704E+22	2,315844E+22	2,091196E+22	1,926728E+22	1,926711E+22	2,091166E+22	2,315827E+22
2385	2,486712E+22	2,558041E+22	2,564483E+22	2,564514E+22	2,558133E+22	2,486801E+22	2,315872E+22	2,091187E+22	1,926726E+22	1,926742E+22	2,091220E+22	2,315886E+22
2386	2,486750E+22	2,558031E+22	2,564424E+22	2,564404E+22	2,557982E+22	2,486687E+22	2,315822E+22	2,091174E+22	1,926726E+22	1,926741E+22	2,091215E+22	2,315879E+22
2387	2,486740E+22	2,558009E+22	2,564402E+22	2,564419E+22	2,558039E+22	2,486756E+22	2,315888E+22	2,091219E+22	1,926741E+22	1,926726E+22	2,091189E+22	2,315866E+22
2388	2,486774E+22	2,558105E+22	2,564511E+22	2,564503E+22	2,558092E+22	2,486760E+22	2,315863E+22	2,091209E+22	1,926756E+22	1,926759E+22	2,091213E+22	2,315866E+22
2389	2,486745E+22	2,558050E+22	2,564433E+22	2,564378E+22	2,557955E+22	2,486683E+22	2,315835E+22	2,091198E+22	1,926745E+22	1,926733E+22	2,091176E+22	2,315822E+22
2390	2,486693E+22	2,558009E+22	2,564468E+22	2,564511E+22	2,558111E+22	2,486792E+22	2,315886E+22	2,091204E+22	1,926729E+22	1,926716E+22	2,091170E+22	2,315840E+22
2391	2,486745E+22	2,558064E+22	2,564472E+22	2,564486E+22	2,558073E+22	2,486734E+22	2,315828E+22	2,091159E+22	1,926704E+22	1,926720E+22	2,091197E+22	2,315856E+22
2392	2,486717E+22	2,557989E+22	2,564356E+22	2,564343E+22	2,557977E+22	2,486713E+22	2,315847E+22	2,091181E+22	1,926695E+22	1,926673E+22	2,091141E+22	2,315820E+22
2393	2,486709E+22	2,558024E+22	2,564452E+22	2,564469E+22	2,558094E+22	2,486804E+22	2,315884E+22	2,091170E+22	1,926670E+22	1,926662E+22	2,091146E+22	2,315847E+22
2394	2,486752E+22	2,558047E+22	2,564436E+22	2,564409E+22	2,557966E+22	2,486661E+22	2,315792E+22	2,091124E+22	1,926649E+22	1,926652E+22	2,091134E+22	2,315822E+22
2395	2,486716E+22	2,557999E+22	2,564378E+22	2,564388E+22	2,558004E+22	2,486703E+22	2,315816E+22	2,091134E+22	1,926641E+22	1,926630E+22	2,091115E+22	2,315809E+22
2396	2,486724E+22	2,558062E+22	2,564482E+22	2,564494E+22	2,558108E+22	2,486765E+22	2,315815E+22	2,091112E+22	1,926635E+22	1,926652E+22	2,091153E+22	2,315847E+22
2397	2,486730E+22	2,558021E+22	2,564410E+22	2,564373E+22	2,557964E+22	2,486690E+22	2,315796E+22	2,091098E+22	1,926613E+22	1,926622E+22	2,091124E+22	2,315823E+22
2398	2,486701E+22	2,557975E+22	2,564398E+22	2,564449E+22	2,558077E+22	2,486783E+22	2,315875E+22	2,091153E+22	1,926636E+22	1,926618E+22	2,091105E+22	2,315823E+22
2399	2,486763E+22	2,558082E+22	2,564462E+22	2,564464E+22	2,558069E+22	2,486744E+22	2,315833E+22	2,091146E+22	1,926667E+22	1,926672E+22	2,091156E+22	2,315839E+22
2400	2,486732E+22	2,558025E+22	2,564385E+22	2,564335E+22	2,557941E+22	2,486680E+22	2,315830E+22	2,091184E+22	1,926714E+22	1,926690E+22	2,091140E+22	2,315799E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2401	2,486683E+22	2,558010E+22	2,564457E+22	2,564480E+22	2,558086E+22	2,486787E+22	2,315889E+22	2,091211E+22	1,926741E+22	1,926733E+22	2,091186E+22	2,315846E+22
2402	2,486733E+22	2,558043E+22	2,564467E+22	2,564470E+22	2,558021E+22	2,486682E+22	2,315805E+22	2,091176E+22	1,926752E+22	1,926773E+22	2,091229E+22	2,315866E+22
2403	2,486714E+22	2,557982E+22	2,564369E+22	2,564385E+22	2,558006E+22	2,486715E+22	2,315852E+22	2,091216E+22	1,926770E+22	1,926771E+22	2,091226E+22	2,315868E+22
2404	2,486734E+22	2,558047E+22	2,564473E+22	2,564491E+22	2,558108E+22	2,486799E+22	2,315896E+22	2,091238E+22	1,926794E+22	1,926801E+22	2,091257E+22	2,315906E+22
2405	2,486773E+22	2,558064E+22	2,564453E+22	2,564403E+22	2,557957E+22	2,486681E+22	2,315847E+22	2,091230E+22	1,926798E+22	1,926795E+22	2,091228E+22	2,315861E+22
2406	2,486722E+22	2,558010E+22	2,564428E+22	2,564450E+22	2,558046E+22	2,486750E+22	2,315900E+22	2,091272E+22	1,926823E+22	1,926797E+22	2,091206E+22	2,315838E+22
2407	2,486748E+22	2,558103E+22	2,564526E+22	2,564523E+22	2,558096E+22	2,486753E+22	2,315860E+22	2,091235E+22	1,926820E+22	1,926833E+22	2,091262E+22	2,315870E+22
2408	2,486719E+22	2,558026E+22	2,564434E+22	2,564400E+22	2,557970E+22	2,486684E+22	2,315840E+22	2,091234E+22	1,926811E+22	1,926802E+22	2,091224E+22	2,315836E+22
2409	2,486673E+22	2,557969E+22	2,564425E+22	2,564488E+22	2,558106E+22	2,486808E+22	2,315921E+22	2,091254E+22	1,926792E+22	1,926780E+22	2,091218E+22	2,315865E+22
2410	2,486746E+22	2,558045E+22	2,564455E+22	2,564477E+22	2,558052E+22	2,486718E+22	2,315837E+22	2,091199E+22	1,926761E+22	1,926771E+22	2,091225E+22	2,315867E+22
2411	2,486727E+22	2,558000E+22	2,564361E+22	2,564342E+22	2,557964E+22	2,486700E+22	2,315847E+22	2,091207E+22	1,926746E+22	1,926733E+22	2,091187E+22	2,315837E+22
2412	2,486714E+22	2,558035E+22	2,564461E+22	2,564462E+22	2,558064E+22	2,486780E+22	2,315886E+22	2,091206E+22	1,926737E+22	1,926734E+22	2,091196E+22	2,315864E+22
2413	2,486754E+22	2,558060E+22	2,564462E+22	2,564426E+22	2,557960E+22	2,486651E+22	2,315792E+22	2,091152E+22	1,926704E+22	1,926712E+22	2,091175E+22	2,315831E+22
2414	2,486700E+22	2,557979E+22	2,564378E+22	2,564416E+22	2,558035E+22	2,486723E+22	2,315829E+22	2,091163E+22	1,926697E+22	1,926689E+22	2,091147E+22	2,315817E+22
2415	2,486731E+22	2,558065E+22	2,564473E+22	2,564486E+22	2,558105E+22	2,486778E+22	2,315834E+22	2,091139E+22	1,926680E+22	1,926703E+22	2,091190E+22	2,315865E+22
2416	2,486741E+22	2,558031E+22	2,564415E+22	2,564372E+22	2,557946E+22	2,486676E+22	2,315817E+22	2,091161E+22	1,926691E+22	1,926679E+22	2,091147E+22	2,315819E+22
2417	2,486692E+22	2,557972E+22	2,564389E+22	2,564432E+22	2,558051E+22	2,486773E+22	2,315902E+22	2,091222E+22	1,926730E+22	1,926698E+22	2,091141E+22	2,315815E+22
2418	2,486737E+22	2,558068E+22	2,564481E+22	2,564488E+22	2,558053E+22	2,486710E+22	2,315826E+22	2,091188E+22	1,926749E+22	1,926755E+22	2,091199E+22	2,315834E+22
2419	2,486704E+22	2,558009E+22	2,564397E+22	2,564368E+22	2,557959E+22	2,486673E+22	2,315822E+22	2,091208E+22	1,926777E+22	1,926779E+22	2,091216E+22	2,315827E+22
2420	2,486670E+22	2,557987E+22	2,564440E+22	2,564472E+22	2,558081E+22	2,486792E+22	2,315904E+22	2,091250E+22	1,926811E+22	1,926817E+22	2,091257E+22	2,315888E+22
2421	2,486748E+22	2,558045E+22	2,564463E+22	2,564458E+22	2,558011E+22	2,486695E+22	2,315837E+22	2,091224E+22	1,926815E+22	1,926834E+22	2,091270E+22	2,315885E+22
2422	2,486722E+22	2,557986E+22	2,564369E+22	2,564389E+22	2,558010E+22	2,486723E+22	2,315880E+22	2,091275E+22	1,926849E+22	1,926835E+22	2,091245E+22	2,315865E+22
2423	2,486748E+22	2,558077E+22	2,564489E+22	2,564486E+22	2,558085E+22	2,486783E+22	2,315904E+22	2,091282E+22	1,926869E+22	1,926875E+22	2,091294E+22	2,315907E+22
2424	2,486766E+22	2,558078E+22	2,564489E+22	2,564436E+22	2,557952E+22	2,486654E+22	2,315849E+22	2,091284E+22	1,926884E+22	1,926872E+22	2,091269E+22	2,315855E+22
2425	2,486689E+22	2,557984E+22	2,564422E+22	2,564465E+22	2,558056E+22	2,486749E+22	2,315911E+22	2,091319E+22	1,926901E+22	1,926879E+22	2,091263E+22	2,315850E+22
2426	2,486715E+22	2,558060E+22	2,564516E+22	2,564541E+22	2,558109E+22	2,486757E+22	2,315864E+22	2,091258E+22	1,926871E+22	1,926895E+22	2,091310E+22	2,315892E+22
2427	2,486716E+22	2,558009E+22	2,564416E+22	2,564397E+22	2,557978E+22	2,486699E+22	2,315860E+22	2,091257E+22	1,926847E+22	1,926856E+22	2,091280E+22	2,315871E+22
2428	2,486689E+22	2,557971E+22	2,564400E+22	2,564442E+22	2,558062E+22	2,486795E+22	2,315945E+22	2,091306E+22	1,926857E+22	1,926838E+22	2,091256E+22	2,315888E+22
2429	2,486767E+22	2,558074E+22	2,564472E+22	2,564461E+22	2,558020E+22	2,486700E+22	2,315847E+22	2,091243E+22	1,926826E+22	1,926827E+22	2,091246E+22	2,315860E+22
2430	2,486717E+22	2,558009E+22	2,564387E+22	2,564369E+22	2,557968E+22	2,486681E+22	2,315840E+22	2,091237E+22	1,926809E+22	1,926794E+22	2,091207E+22	2,315825E+22
2431	2,486704E+22	2,558040E+22	2,564475E+22	2,564478E+22	2,558065E+22	2,486763E+22	2,315870E+22	2,091217E+22	1,926784E+22	1,926796E+22	2,091242E+22	2,315879E+22
2432	2,486743E+22	2,558051E+22	2,564473E+22	2,564455E+22	2,557979E+22	2,486652E+22	2,315802E+22	2,091185E+22	1,926754E+22	1,926761E+22	2,091208E+22	2,315840E+22
2433	2,486686E+22	2,557955E+22	2,564352E+22	2,564403E+22	2,558035E+22	2,486740E+22	2,315869E+22	2,091219E+22	1,926760E+22	1,926745E+22	2,091180E+22	2,315823E+22
2434	2,486715E+22	2,558049E+22	2,564471E+22	2,564487E+22	2,558092E+22	2,486770E+22	2,315856E+22	2,091191E+22	1,926749E+22	1,926760E+22	2,091213E+22	2,315859E+22
2435	2,486733E+22	2,558037E+22	2,564425E+22	2,564379E+22	2,557944E+22	2,486671E+22	2,315831E+22	2,091202E+22	1,926763E+22	1,926763E+22	2,091203E+22	2,315826E+22
2436	2,486675E+22	2,557965E+22	2,564387E+22	2,564419E+22	2,558022E+22	2,486750E+22	2,315914E+22	2,091280E+22	1,926823E+22	1,926797E+22	2,091210E+22	2,315838E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2437	2,486727E+22	2,558060E+22	2,564486E+22	2,564496E+22	2,558053E+22	2,486704E+22	2,315829E+22	2,091228E+22	1,926827E+22	1,926841E+22	2,091262E+22	2,315859E+22
2438	2,486694E+22	2,557988E+22	2,564387E+22	2,564383E+22	2,557981E+22	2,486686E+22	2,315835E+22	2,091242E+22	1,926845E+22	1,926853E+22	2,091265E+22	2,315857E+22
2439	2,486694E+22	2,557999E+22	2,564433E+22	2,564455E+22	2,558061E+22	2,486784E+22	2,315919E+22	2,091285E+22	1,926868E+22	1,926881E+22	2,091308E+22	2,315922E+22
2440	2,486773E+22	2,558072E+22	2,564485E+22	2,564465E+22	2,557992E+22	2,486671E+22	2,315852E+22	2,091285E+22	1,926892E+22	1,926892E+22	2,091296E+22	2,315885E+22
2441	2,486719E+22	2,557997E+22	2,564384E+22	2,564393E+22	2,557997E+22	2,486713E+22	2,315900E+22	2,091334E+22	1,926935E+22	1,926912E+22	2,091279E+22	2,315852E+22
2442	2,486714E+22	2,558066E+22	2,564522E+22	2,564526E+22	2,558089E+22	2,486763E+22	2,315900E+22	2,091316E+22	1,926938E+22	1,926946E+22	2,091331E+22	2,315897E+22
2443	2,486734E+22	2,558057E+22	2,564495E+22	2,564470E+22	2,557989E+22	2,486668E+22	2,315855E+22	2,091305E+22	1,926937E+22	1,926949E+22	2,091334E+22	2,315874E+22
2444	2,486668E+22	2,557952E+22	2,564392E+22	2,564446E+22	2,558055E+22	2,486766E+22	2,315944E+22	2,091367E+22	1,926966E+22	1,926950E+22	2,091322E+22	2,315885E+22
2445	2,486721E+22	2,558048E+22	2,564493E+22	2,564514E+22	2,558096E+22	2,486765E+22	2,315896E+22	2,091310E+22	1,926931E+22	1,926946E+22	2,091342E+22	2,315908E+22
2446	2,486721E+22	2,558007E+22	2,564407E+22	2,564384E+22	2,557967E+22	2,486695E+22	2,315882E+22	2,091310E+22	1,926918E+22	1,926912E+22	2,091299E+22	2,315875E+22
2447	2,486708E+22	2,557999E+22	2,564415E+22	2,564425E+22	2,558020E+22	2,486756E+22	2,315938E+22	2,091335E+22	1,926917E+22	1,926903E+22	2,091296E+22	2,315897E+22
2448	2,486766E+22	2,558092E+22	2,564506E+22	2,564484E+22	2,558001E+22	2,486654E+22	2,315833E+22	2,091279E+22	1,926890E+22	1,926888E+22	2,091283E+22	2,315861E+22
2449	2,486694E+22	2,557993E+22	2,564390E+22	2,564386E+22	2,557982E+22	2,486679E+22	2,315839E+22	2,091263E+22	1,926865E+22	1,926858E+22	2,091252E+22	2,315835E+22
2450	2,486678E+22	2,558013E+22	2,564478E+22	2,564501E+22	2,558082E+22	2,486766E+22	2,315871E+22	2,091229E+22	1,926817E+22	1,926838E+22	2,091274E+22	2,315892E+22
2451	2,486742E+22	2,558043E+22	2,564467E+22	2,564462E+22	2,557998E+22	2,486670E+22	2,315828E+22	2,091213E+22	1,926793E+22	1,926808E+22	2,091247E+22	2,315854E+22
2452	2,486686E+22	2,557955E+22	2,564341E+22	2,564373E+22	2,558006E+22	2,486733E+22	2,315903E+22	2,091287E+22	1,926840E+22	1,926810E+22	2,091214E+22	2,315829E+22
2453	2,486708E+22	2,558053E+22	2,564481E+22	2,564480E+22	2,558074E+22	2,486759E+22	2,315873E+22	2,091250E+22	1,926834E+22	1,926836E+22	2,091247E+22	2,315847E+22
2454	2,486703E+22	2,558023E+22	2,564437E+22	2,564402E+22	2,557956E+22	2,486664E+22	2,315837E+22	2,091250E+22	1,926849E+22	1,926849E+22	2,091249E+22	2,315832E+22
2455	2,486665E+22	2,557957E+22	2,564386E+22	2,564417E+22	2,558015E+22	2,486732E+22	2,315907E+22	2,091307E+22	1,926892E+22	1,926885E+22	2,091284E+22	2,315877E+22
2456	2,486730E+22	2,558052E+22	2,564487E+22	2,564503E+22	2,558052E+22	2,486695E+22	2,315844E+22	2,091277E+22	1,926895E+22	1,926910E+22	2,091317E+22	2,315890E+22
2457	2,486702E+22	2,557980E+22	2,564373E+22	2,564370E+22	2,557975E+22	2,486691E+22	2,315866E+22	2,091300E+22	1,926918E+22	1,926920E+22	2,091309E+22	2,315876E+22
2458	2,486696E+22	2,558004E+22	2,564451E+22	2,564464E+22	2,558049E+22	2,486766E+22	2,315928E+22	2,091330E+22	1,926937E+22	1,926942E+22	2,091337E+22	2,315924E+22
2459	2,486774E+22	2,558091E+22	2,564516E+22	2,564490E+22	2,558002E+22	2,486669E+22	2,315864E+22	2,091322E+22	1,926959E+22	1,926971E+22	2,091347E+22	2,315887E+22
2460	2,486699E+22	2,557993E+22	2,564397E+22	2,564396E+22	2,557985E+22	2,486701E+22	2,315918E+22	2,091393E+22	1,927023E+22	1,927000E+22	2,091338E+22	2,315866E+22
2461	2,486693E+22	2,558046E+22	2,564521E+22	2,564538E+22	2,558109E+22	2,486776E+22	2,315914E+22	2,091359E+22	1,927010E+22	1,927021E+22	2,091380E+22	2,315911E+22
2462	2,486716E+22	2,558029E+22	2,564478E+22	2,564474E+22	2,558013E+22	2,486692E+22	2,315880E+22	2,091346E+22	1,926999E+22	1,927010E+22	2,091370E+22	2,315898E+22
2463	2,486687E+22	2,557953E+22	2,564371E+22	2,564405E+22	2,558018E+22	2,486749E+22	2,315960E+22	2,091409E+22	1,927025E+22	1,927007E+22	2,091365E+22	2,315914E+22
2464	2,486743E+22	2,558068E+22	2,564505E+22	2,564502E+22	2,558059E+22	2,486727E+22	2,315904E+22	2,091368E+22	1,927001E+22	1,926997E+22	2,091363E+22	2,315908E+22
2465	2,486717E+22	2,558014E+22	2,564421E+22	2,564384E+22	2,557944E+22	2,486665E+22	2,315879E+22	2,091349E+22	1,926986E+22	1,926977E+22	2,091331E+22	2,315866E+22
2466	2,486676E+22	2,557991E+22	2,564452E+22	2,564462E+22	2,558020E+22	2,486721E+22	2,315911E+22	2,091345E+22	1,926962E+22	1,926958E+22	2,091331E+22	2,315897E+22
2467	2,486745E+22	2,558079E+22	2,564521E+22	2,564520E+22	2,558042E+22	2,486668E+22	2,315828E+22	2,091278E+22	1,926919E+22	1,926944E+22	2,091333E+22	2,315877E+22
2468	2,486678E+22	2,557969E+22	2,564373E+22	2,564373E+22	2,557986E+22	2,486699E+22	2,315873E+22	2,091306E+22	1,926917E+22	1,926911E+22	2,091293E+22	2,315858E+22
2469	2,486679E+22	2,558000E+22	2,564460E+22	2,564486E+22	2,558088E+22	2,486786E+22	2,315908E+22	2,091286E+22	1,926879E+22	1,926883E+22	2,091290E+22	2,315889E+22
2470	2,486734E+22	2,558037E+22	2,564461E+22	2,564455E+22	2,558002E+22	2,486682E+22	2,315859E+22	2,091277E+22	1,926874E+22	1,926870E+22	2,091266E+22	2,315853E+22
2471	2,486689E+22	2,557964E+22	2,564347E+22	2,564352E+22	2,557967E+22	2,486703E+22	2,315911E+22	2,091339E+22	1,926923E+22	1,926897E+22	2,091271E+22	2,315846E+22
2472	2,486701E+22	2,558051E+22	2,564500E+22	2,564494E+22	2,558057E+22	2,486719E+22	2,315872E+22	2,091305E+22	1,926918E+22	1,926920E+22	2,091307E+22	2,315867E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2473	2,486686E+22	2,557997E+22	2,564428E+22	2,564406E+22	2,557963E+22	2,486661E+22	2,315839E+22	2,091286E+22	1,926924E+22	1,926937E+22	2,091319E+22	2,315865E+22
2474	2,486657E+22	2,557942E+22	2,564392E+22	2,564426E+22	2,558013E+22	2,486722E+22	2,315905E+22	2,091326E+22	1,926939E+22	1,926945E+22	2,091335E+22	2,315912E+22
2475	2,486753E+22	2,558067E+22	2,564494E+22	2,564502E+22	2,558055E+22	2,486699E+22	2,315861E+22	2,091308E+22	1,926947E+22	1,926971E+22	2,091361E+22	2,315911E+22
2476	2,486717E+22	2,558002E+22	2,564389E+22	2,564358E+22	2,557950E+22	2,486679E+22	2,315893E+22	2,091368E+22	1,927003E+22	1,926989E+22	2,091341E+22	2,315879E+22
2477	2,486694E+22	2,558019E+22	2,564478E+22	2,564482E+22	2,558052E+22	2,486756E+22	2,315935E+22	2,091383E+22	1,927019E+22	1,927012E+22	2,091361E+22	2,315903E+22
2478	2,486738E+22	2,558076E+22	2,564535E+22	2,564527E+22	2,558036E+22	2,486680E+22	2,315879E+22	2,091373E+22	1,927040E+22	1,927047E+22	2,091383E+22	2,315887E+22
2479	2,486679E+22	2,557971E+22	2,564393E+22	2,564396E+22	2,557987E+22	2,486704E+22	2,315929E+22	2,091430E+22	1,927091E+22	1,927081E+22	2,091402E+22	2,315895E+22
2480	2,486683E+22	2,558019E+22	2,564506E+22	2,564531E+22	2,558098E+22	2,486770E+22	2,315942E+22	2,091418E+22	1,927079E+22	1,927085E+22	2,091424E+22	2,315931E+22
2481	2,486713E+22	2,558009E+22	2,564452E+22	2,564447E+22	2,557995E+22	2,486692E+22	2,315908E+22	2,091407E+22	1,927077E+22	1,927079E+22	2,091412E+22	2,315911E+22
2482	2,486682E+22	2,557956E+22	2,564385E+22	2,564398E+22	2,557986E+22	2,486714E+22	2,315948E+22	2,091440E+22	1,927085E+22	1,927067E+22	2,091397E+22	2,315922E+22
2483	2,486749E+22	2,558085E+22	2,564531E+22	2,564515E+22	2,558052E+22	2,486707E+22	2,315893E+22	2,091384E+22	1,927054E+22	1,927068E+22	2,091412E+22	2,315916E+22
2484	2,486705E+22	2,558011E+22	2,564438E+22	2,564395E+22	2,557937E+22	2,486647E+22	2,315876E+22	2,091382E+22	1,927047E+22	1,927043E+22	2,091379E+22	2,315886E+22
2485	2,486667E+22	2,557974E+22	2,564450E+22	2,564481E+22	2,558052E+22	2,486737E+22	2,315910E+22	2,091362E+22	1,927003E+22	1,927004E+22	2,091362E+22	2,315907E+22
2486	2,486735E+22	2,558058E+22	2,564510E+22	2,564528E+22	2,558074E+22	2,486707E+22	2,315861E+22	2,091314E+22	1,926961E+22	1,926978E+22	2,091351E+22	2,315892E+22
2487	2,486696E+22	2,557972E+22	2,564362E+22	2,564341E+22	2,557957E+22	2,486695E+22	2,315900E+22	2,091357E+22	1,926978E+22	1,926962E+22	2,091324E+22	2,315873E+22
2488	2,486687E+22	2,558007E+22	2,564469E+22	2,564476E+22	2,558055E+22	2,486759E+22	2,315929E+22	2,091358E+22	1,926962E+22	1,926945E+22	2,091311E+22	2,315878E+22
2489	2,486714E+22	2,558029E+22	2,564469E+22	2,564455E+22	2,557985E+22	2,486664E+22	2,315866E+22	2,091332E+22	1,926964E+22	1,926957E+22	2,091313E+22	2,315848E+22
2490	2,486653E+22	2,557946E+22	2,564369E+22	2,564374E+22	2,557960E+22	2,486670E+22	2,315888E+22	2,091360E+22	1,926988E+22	1,926975E+22	2,091329E+22	2,315868E+22
2491	2,486694E+22	2,558037E+22	2,564503E+22	2,564510E+22	2,558077E+22	2,486726E+22	2,315869E+22	2,091317E+22	1,926970E+22	1,926998E+22	2,091374E+22	2,315903E+22
2492	2,486691E+22	2,557985E+22	2,564417E+22	2,564391E+22	2,557949E+22	2,486663E+22	2,315866E+22	2,091337E+22	1,926989E+22	1,927002E+22	2,091370E+22	2,315900E+22
2493	2,486677E+22	2,557948E+22	2,564390E+22	2,564423E+22	2,558017E+22	2,486728E+22	2,315924E+22	2,091378E+22	1,927008E+22	1,927000E+22	2,091358E+22	2,315914E+22
2494	2,486756E+22	2,558082E+22	2,564515E+22	2,564515E+22	2,558066E+22	2,486712E+22	2,315886E+22	2,091365E+22	1,927026E+22	1,927033E+22	2,091380E+22	2,315906E+22
2495	2,486716E+22	2,558013E+22	2,564414E+22	2,564359E+22	2,557925E+22	2,486656E+22	2,315901E+22	2,091422E+22	1,927091E+22	1,927078E+22	2,091394E+22	2,315886E+22
2496	2,486674E+22	2,558005E+22	2,564496E+22	2,564509E+22	2,558054E+22	2,486739E+22	2,315947E+22	2,091447E+22	1,927108E+22	1,927096E+22	2,091411E+22	2,315908E+22
2497	2,486707E+22	2,558036E+22	2,564517E+22	2,564532E+22	2,558052E+22	2,486696E+22	2,315896E+22	2,091419E+22	1,927122E+22	1,927135E+22	2,091446E+22	2,315908E+22
2498	2,486659E+22	2,557943E+22	2,564384E+22	2,564389E+22	2,557973E+22	2,486697E+22	2,315938E+22	2,091461E+22	1,927145E+22	1,927142E+22	2,091453E+22	2,315929E+22
2499	2,486703E+22	2,558024E+22	2,564500E+22	2,564515E+22	2,558082E+22	2,486765E+22	2,315954E+22	2,091450E+22	1,927136E+22	1,927148E+22	2,091467E+22	2,315950E+22
2500	2,486726E+22	2,558022E+22	2,564458E+22	2,564426E+22	2,557955E+22	2,486664E+22	2,315917E+22	2,091458E+22	1,927153E+22	1,927147E+22	2,091448E+22	2,315920E+22
2501	2,486685E+22	2,557968E+22	2,564405E+22	2,564417E+22	2,557989E+22	2,486693E+22	2,315932E+22	2,091465E+22	1,927144E+22	1,927125E+22	2,091423E+22	2,315911E+22
2502	2,486727E+22	2,558078E+22	2,564549E+22	2,564550E+22	2,558084E+22	2,486719E+22	2,315893E+22	2,091407E+22	1,927104E+22	1,927117E+22	2,091439E+22	2,315924E+22
2503	2,486699E+22	2,557997E+22	2,564436E+22	2,564399E+22	2,557941E+22	2,486655E+22	2,315887E+22	2,091408E+22	1,927093E+22	1,927097E+22	2,091423E+22	2,315910E+22
2504	2,486668E+22	2,557959E+22	2,564442E+22	2,564481E+22	2,558047E+22	2,486743E+22	2,315947E+22	2,091420E+22	1,927058E+22	1,927044E+22	2,091380E+22	2,315909E+22
2505	2,486727E+22	2,558041E+22	2,564490E+22	2,564511E+22	2,558066E+22	2,486720E+22	2,315897E+22	2,091379E+22	1,927039E+22	1,927040E+22	2,091378E+22	2,315885E+22
2506	2,486677E+22	2,557972E+22	2,564379E+22	2,564337E+22	2,557925E+22	2,486669E+22	2,315900E+22	2,091397E+22	1,927047E+22	1,927030E+22	2,091361E+22	2,315876E+22
2507	2,486682E+22	2,558010E+22	2,564482E+22	2,564482E+22	2,558040E+22	2,486738E+22	2,315924E+22	2,091386E+22	1,927034E+22	1,927034E+22	2,091370E+22	2,315889E+22
2508	2,486698E+22	2,558014E+22	2,564471E+22	2,564458E+22	2,557973E+22	2,486645E+22	2,315864E+22	2,091374E+22	1,927044E+22	1,927046E+22	2,091381E+22	2,315882E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2509	2,486656E+22	2,557930E+22	2,564359E+22	2,564387E+22	2,557982E+22	2,486673E+22	2,315875E+22	2,091375E+22	1,927039E+22	1,927037E+22	2,091375E+22	2,315893E+22
2510	2,486703E+22	2,558033E+22	2,564497E+22	2,564512E+22	2,558088E+22	2,486748E+22	2,315895E+22	2,091356E+22	1,927020E+22	1,927041E+22	2,091403E+22	2,315931E+22
2511	2,486721E+22	2,558004E+22	2,564425E+22	2,564377E+22	2,557921E+22	2,486649E+22	2,315884E+22	2,091389E+22	1,927058E+22	1,927061E+22	2,091402E+22	2,315912E+22
2512	2,486687E+22	2,557968E+22	2,564421E+22	2,564435E+22	2,557993E+22	2,486704E+22	2,315942E+22	2,091445E+22	1,927093E+22	1,927066E+22	2,091377E+22	2,315892E+22
2513	2,486726E+22	2,558072E+22	2,564533E+22	2,564538E+22	2,558072E+22	2,486713E+22	2,315902E+22	2,091424E+22	1,927122E+22	1,927126E+22	2,091427E+22	2,315889E+22
2514	2,486666E+22	2,557988E+22	2,564434E+22	2,564391E+22	2,557934E+22	2,486647E+22	2,315896E+22	2,091452E+22	1,927163E+22	1,927162E+22	2,091454E+22	2,315904E+22
2515	2,486657E+22	2,557975E+22	2,564480E+22	2,564516E+22	2,558073E+22	2,486759E+22	2,315962E+22	2,091476E+22	1,927175E+22	1,927183E+22	2,091476E+22	2,315936E+22
2516	2,486703E+22	2,558010E+22	2,564487E+22	2,564505E+22	2,558032E+22	2,486700E+22	2,315932E+22	2,091484E+22	1,927201E+22	1,927210E+22	2,091501E+22	2,315944E+22
2517	2,486678E+22	2,557942E+22	2,564365E+22	2,564374E+22	2,557964E+22	2,486687E+22	2,315946E+22	2,091508E+22	1,927216E+22	1,927202E+22	2,091483E+22	2,315938E+22
2518	2,486713E+22	2,558041E+22	2,564514E+22	2,564514E+22	2,558069E+22	2,486761E+22	2,315969E+22	2,091497E+22	1,927203E+22	1,927204E+22	2,091495E+22	2,315961E+22
2519	2,486737E+22	2,558041E+22	2,564484E+22	2,564432E+22	2,557925E+22	2,486630E+22	2,315910E+22	2,091492E+22	1,927219E+22	1,927219E+22	2,091498E+22	2,315936E+22
2520	2,486681E+22	2,557969E+22	2,564428E+22	2,564448E+22	2,557992E+22	2,486677E+22	2,315932E+22	2,091498E+22	1,927203E+22	1,927185E+22	2,091458E+22	2,315915E+22
2521	2,486708E+22	2,558055E+22	2,564540E+22	2,564560E+22	2,558108E+22	2,486746E+22	2,315913E+22	2,091437E+22	1,927158E+22	1,927177E+22	2,091478E+22	2,315930E+22
2522	2,486682E+22	2,557984E+22	2,564436E+22	2,564397E+22	2,557930E+22	2,486656E+22	2,315902E+22	2,091437E+22	1,927134E+22	1,927137E+22	2,091451E+22	2,315924E+22
2523	2,486680E+22	2,557965E+22	2,564437E+22	2,564473E+22	2,558035E+22	2,486743E+22	2,315964E+22	2,091460E+22	1,927121E+22	1,927104E+22	2,091406E+22	2,315904E+22
2524	2,486717E+22	2,558041E+22	2,564494E+22	2,564498E+22	2,558030E+22	2,486693E+22	2,315909E+22	2,091437E+22	1,927123E+22	1,927115E+22	2,091415E+22	2,315885E+22
2525	2,486662E+22	2,557961E+22	2,564382E+22	2,564357E+22	2,557928E+22	2,486647E+22	2,315885E+22	2,091425E+22	1,927114E+22	1,927101E+22	2,091402E+22	2,315875E+22
2526	2,486660E+22	2,557995E+22	2,564486E+22	2,564503E+22	2,558059E+22	2,486748E+22	2,315926E+22	2,091410E+22	1,927087E+22	1,927092E+22	2,091418E+22	2,315917E+22
2527	2,486702E+22	2,558000E+22	2,564458E+22	2,564447E+22	2,557960E+22	2,486641E+22	2,315872E+22	2,091400E+22	1,927098E+22	1,927113E+22	2,091439E+22	2,315921E+22
2528	2,486674E+22	2,557931E+22	2,564356E+22	2,564386E+22	2,557968E+22	2,486671E+22	2,315905E+22	2,091428E+22	1,927101E+22	1,927088E+22	2,091402E+22	2,315901E+22
2529	2,486708E+22	2,558037E+22	2,564495E+22	2,564508E+22	2,558083E+22	2,486755E+22	2,315922E+22	2,091416E+22	1,927104E+22	1,927112E+22	2,091432E+22	2,315920E+22
2530	2,486704E+22	2,558017E+22	2,564458E+22	2,564393E+22	2,557901E+22	2,486628E+22	2,315888E+22	2,091432E+22	1,927133E+22	1,927135E+22	2,091441E+22	2,315912E+22
2531	2,486675E+22	2,557970E+22	2,564442E+22	2,564461E+22	2,557998E+22	2,486698E+22	2,315947E+22	2,091485E+22	1,927176E+22	1,927161E+22	2,091433E+22	2,315892E+22
2532	2,486694E+22	2,558042E+22	2,564528E+22	2,564548E+22	2,558074E+22	2,486713E+22	2,315918E+22	2,091478E+22	1,927212E+22	1,927222E+22	2,091497E+22	2,315919E+22
2533	2,486657E+22	2,557956E+22	2,564406E+22	2,564396E+22	2,557955E+22	2,486662E+22	2,315908E+22	2,091485E+22	1,927227E+22	1,927234E+22	2,091508E+22	2,315932E+22
2534	2,486666E+22	2,557969E+22	2,564459E+22	2,564497E+22	2,558067E+22	2,486776E+22	2,315999E+22	2,091529E+22	1,927237E+22	1,927234E+22	2,091515E+22	2,315970E+22
2535	2,486733E+22	2,558029E+22	2,564486E+22	2,564476E+22	2,557984E+22	2,486670E+22	2,315944E+22	2,091539E+22	1,927281E+22	1,927281E+22	2,091544E+22	2,315964E+22
2536	2,486697E+22	2,557972E+22	2,564397E+22	2,564384E+22	2,557931E+22	2,486650E+22	2,315948E+22	2,091557E+22	1,927291E+22	1,927268E+22	2,091508E+22	2,315926E+22
2537	2,486694E+22	2,558042E+22	2,564537E+22	2,564541E+22	2,558073E+22	2,486749E+22	2,315968E+22	2,091534E+22	1,927277E+22	1,927282E+22	2,091537E+22	2,315949E+22
2538	2,486699E+22	2,558030E+22	2,564512E+22	2,564470E+22	2,557940E+22	2,486622E+22	2,315899E+22	2,091502E+22	1,927261E+22	1,927276E+22	2,091542E+22	2,315950E+22
2539	2,486671E+22	2,557953E+22	2,564424E+22	2,564462E+22	2,558012E+22	2,486699E+22	2,315948E+22	2,091518E+22	1,927248E+22	1,927242E+22	2,091495E+22	2,315923E+22
2540	2,486695E+22	2,558034E+22	2,564518E+22	2,564544E+22	2,558098E+22	2,486759E+22	2,315954E+22	2,091496E+22	1,927224E+22	1,927233E+22	2,091511E+22	2,315942E+22
2541	2,486684E+22	2,557977E+22	2,564418E+22	2,564393E+22	2,557933E+22	2,486654E+22	2,315913E+22	2,091478E+22	1,927197E+22	1,927191E+22	2,091470E+22	2,315917E+22
2542	2,486671E+22	2,557967E+22	2,564436E+22	2,564464E+22	2,558020E+22	2,486739E+22	2,315983E+22	2,091507E+22	1,927188E+22	1,927162E+22	2,091441E+22	2,315914E+22
2543	2,486710E+22	2,558036E+22	2,564497E+22	2,564495E+22	2,558000E+22	2,486658E+22	2,315905E+22	2,091475E+22	1,927196E+22	1,927197E+22	2,091478E+22	2,315912E+22
2544	2,486658E+22	2,557953E+22	2,564387E+22	2,564372E+22	2,557923E+22	2,486628E+22	2,315881E+22	2,091451E+22	1,927171E+22	1,927168E+22	2,091451E+22	2,315895E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2545	2,486653E+22	2,557978E+22	2,564472E+22	2,564501E+22	2,558065E+22	2,486762E+22	2,315944E+22	2,091440E+22	1,927143E+22	1,927158E+22	2,091467E+22	2,315935E+22
2546	2,486703E+22	2,558010E+22	2,564468E+22	2,564445E+22	2,557942E+22	2,486631E+22	2,315881E+22	2,091428E+22	1,927140E+22	1,927157E+22	2,091471E+22	2,315940E+22
2547	2,486695E+22	2,557957E+22	2,564373E+22	2,564389E+22	2,557958E+22	2,486664E+22	2,315915E+22	2,091469E+22	1,927171E+22	1,927153E+22	2,091424E+22	2,315889E+22
2548	2,486694E+22	2,558044E+22	2,564515E+22	2,564516E+22	2,558066E+22	2,486742E+22	2,315942E+22	2,091478E+22	1,927195E+22	1,927194E+22	2,091471E+22	2,315912E+22
2549	2,486678E+22	2,558000E+22	2,564463E+22	2,564431E+22	2,557929E+22	2,486622E+22	2,315887E+22	2,091471E+22	1,927211E+22	1,927216E+22	2,091486E+22	2,315907E+22
2550	2,486643E+22	2,557945E+22	2,564434E+22	2,564478E+22	2,558025E+22	2,486724E+22	2,315975E+22	2,091532E+22	1,927247E+22	1,927233E+22	2,091491E+22	2,315923E+22
2551	2,486686E+22	2,558015E+22	2,564505E+22	2,564531E+22	2,558058E+22	2,486713E+22	2,315947E+22	2,091533E+22	1,927290E+22	1,927305E+22	2,091565E+22	2,315960E+22
2552	2,486674E+22	2,557955E+22	2,564396E+22	2,564382E+22	2,557929E+22	2,486653E+22	2,315942E+22	2,091551E+22	1,927306E+22	1,927303E+22	2,091548E+22	2,315947E+22
2553	2,486674E+22	2,557979E+22	2,564460E+22	2,564483E+22	2,558044E+22	2,486766E+22	2,316019E+22	2,091589E+22	1,927327E+22	1,927318E+22	2,091558E+22	2,315968E+22
2554	2,486725E+22	2,558054E+22	2,564522E+22	2,564484E+22	2,557955E+22	2,486633E+22	2,315933E+22	2,091569E+22	1,927347E+22	1,927355E+22	2,091592E+22	2,315977E+22
2555	2,486697E+22	2,557987E+22	2,564430E+22	2,564418E+22	2,557941E+22	2,486634E+22	2,315933E+22	2,091578E+22	1,927357E+22	1,927347E+22	2,091557E+22	2,315931E+22
2556	2,486672E+22	2,558024E+22	2,564541E+22	2,564562E+22	2,558087E+22	2,486750E+22	2,315974E+22	2,091563E+22	1,927338E+22	1,927350E+22	2,091589E+22	2,315971E+22
2557	2,486690E+22	2,558000E+22	2,564488E+22	2,564486E+22	2,557976E+22	2,486643E+22	2,315913E+22	2,091524E+22	1,927298E+22	1,927317E+22	2,091570E+22	2,315961E+22
2558	2,486671E+22	2,557949E+22	2,564409E+22	2,564449E+22	2,558015E+22	2,486724E+22	2,315991E+22	2,091568E+22	1,927291E+22	1,927269E+22	2,091514E+22	2,315936E+22
2559	2,486698E+22	2,558034E+22	2,564511E+22	2,564516E+22	2,558055E+22	2,486733E+22	2,315971E+22	2,091551E+22	1,927297E+22	1,927295E+22	2,091541E+22	2,315945E+22
2560	2,486680E+22	2,557985E+22	2,564433E+22	2,564393E+22	2,557903E+22	2,486624E+22	2,315923E+22	2,091525E+22	1,927270E+22	1,927258E+22	2,091500E+22	2,315905E+22
2561	2,486643E+22	2,557954E+22	2,564440E+22	2,564472E+22	2,558018E+22	2,486724E+22	2,315982E+22	2,091541E+22	1,927259E+22	1,927243E+22	2,091493E+22	2,315914E+22
2562	2,486682E+22	2,558024E+22	2,564504E+22	2,564504E+22	2,557998E+22	2,486643E+22	2,315891E+22	2,091484E+22	1,927238E+22	1,927258E+22	2,091534E+22	2,315946E+22
2563	2,486668E+22	2,557950E+22	2,564384E+22	2,564376E+22	2,557931E+22	2,486634E+22	2,315888E+22	2,091471E+22	1,927217E+22	1,927224E+22	2,091489E+22	2,315914E+22
2564	2,486657E+22	2,557975E+22	2,564465E+22	2,564490E+22	2,558049E+22	2,486757E+22	2,315972E+22	2,091495E+22	1,927210E+22	1,927215E+22	2,091500E+22	2,315948E+22
2565	2,486710E+22	2,558015E+22	2,564470E+22	2,564458E+22	2,557953E+22	2,486627E+22	2,315893E+22	2,091470E+22	1,927205E+22	1,927213E+22	2,091491E+22	2,315929E+22
2566	2,486683E+22	2,557971E+22	2,564395E+22	2,564402E+22	2,557958E+22	2,486668E+22	2,315944E+22	2,091526E+22	1,927244E+22	1,927218E+22	2,091464E+22	2,315894E+22
2567	2,486669E+22	2,558029E+22	2,564523E+22	2,564528E+22	2,558056E+22	2,486721E+22	2,315952E+22	2,091534E+22	1,927287E+22	1,927291E+22	2,091538E+22	2,315934E+22
2568	2,486665E+22	2,557982E+22	2,564461E+22	2,564443E+22	2,557937E+22	2,486625E+22	2,315905E+22	2,091518E+22	1,927291E+22	1,927302E+22	2,091545E+22	2,315929E+22
2569	2,486634E+22	2,557922E+22	2,564409E+22	2,564460E+22	2,558024E+22	2,486739E+22	2,316008E+22	2,091587E+22	1,927327E+22	1,927318E+22	2,091553E+22	2,315946E+22
2570	2,486690E+22	2,558024E+22	2,564506E+22	2,564513E+22	2,558026E+22	2,486690E+22	2,315957E+22	2,091577E+22	1,927355E+22	1,927370E+22	2,091613E+22	2,315992E+22
2571	2,486699E+22	2,557985E+22	2,564420E+22	2,564383E+22	2,557906E+22	2,486623E+22	2,315935E+22	2,091590E+22	1,927385E+22	1,927379E+22	2,091583E+22	2,315946E+22
2572	2,486665E+22	2,557989E+22	2,564488E+22	2,564498E+22	2,558026E+22	2,486735E+22	2,316019E+22	2,091634E+22	1,927409E+22	1,927401E+22	2,091606E+22	2,315972E+22
2573	2,486707E+22	2,558042E+22	2,564536E+22	2,564532E+22	2,557994E+22	2,486628E+22	2,315918E+22	2,091582E+22	1,927397E+22	1,927415E+22	2,091629E+22	2,315976E+22
2574	2,486673E+22	2,557971E+22	2,564431E+22	2,564437E+22	2,557975E+22	2,486666E+22	2,315958E+22	2,091607E+22	1,927397E+22	1,927390E+22	2,091596E+22	2,315955E+22
2575	2,486661E+22	2,557996E+22	2,564520E+22	2,564549E+22	2,558081E+22	2,486760E+22	2,316010E+22	2,091616E+22	1,927397E+22	1,927404E+22	2,091627E+22	2,315994E+22
2576	2,486699E+22	2,557996E+22	2,564475E+22	2,564469E+22	2,557961E+22	2,486646E+22	2,315953E+22	2,091585E+22	1,927365E+22	1,927366E+22	2,091587E+22	2,315956E+22
2577	2,486661E+22	2,557946E+22	2,564401E+22	2,564425E+22	2,557993E+22	2,486719E+22	2,316019E+22	2,091631E+22	1,927375E+22	1,927344E+22	2,091547E+22	2,315922E+22
2578	2,486675E+22	2,558040E+22	2,564530E+22	2,564510E+22	2,558021E+22	2,486694E+22	2,315961E+22	2,091582E+22	1,927359E+22	1,927365E+22	2,091592E+22	2,315961E+22
2579	2,486674E+22	2,557985E+22	2,564450E+22	2,564410E+22	2,557902E+22	2,486597E+22	2,315898E+22	2,091543E+22	1,927334E+22	1,927335E+22	2,091553E+22	2,315921E+22
2580	2,486628E+22	2,557934E+22	2,564435E+22	2,564475E+22	2,558018E+22	2,486714E+22	2,315979E+22	2,091564E+22	1,927315E+22	1,927312E+22	2,091551E+22	2,315950E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2581	2,486691E+22	2,558007E+22	2,564487E+22	2,564510E+22	2,558018E+22	2,486649E+22	2,315896E+22	2,091500E+22	1,927269E+22	1,927294E+22	2,091561E+22	2,315965E+22
2582	2,486685E+22	2,557968E+22	2,564391E+22	2,564370E+22	2,557930E+22	2,486647E+22	2,315922E+22	2,091519E+22	1,927261E+22	1,927252E+22	2,091508E+22	2,315927E+22
2583	2,486662E+22	2,557988E+22	2,564482E+22	2,564486E+22	2,558023E+22	2,486731E+22	2,315987E+22	2,091555E+22	1,927289E+22	1,927281E+22	2,091528E+22	2,315945E+22
2584	2,486700E+22	2,558022E+22	2,564498E+22	2,564479E+22	2,557951E+22	2,486616E+22	2,315910E+22	2,091524E+22	1,927288E+22	1,927290E+22	2,091525E+22	2,315911E+22
2585	2,486642E+22	2,557947E+22	2,564404E+22	2,564421E+22	2,557976E+22	2,486676E+22	2,315963E+22	2,091580E+22	1,927334E+22	1,927314E+22	2,091525E+22	2,315893E+22
2586	2,486632E+22	2,558002E+22	2,564517E+22	2,564527E+22	2,558056E+22	2,486720E+22	2,315960E+22	2,091569E+22	1,927354E+22	1,927372E+22	2,091607E+22	2,315974E+22
2587	2,486672E+22	2,557971E+22	2,564450E+22	2,564435E+22	2,557937E+22	2,486628E+22	2,315922E+22	2,091567E+22	1,927370E+22	1,927382E+22	2,091599E+22	2,315956E+22
2588	2,486642E+22	2,557920E+22	2,564399E+22	2,564438E+22	2,557996E+22	2,486720E+22	2,316026E+22	2,091649E+22	1,927414E+22	1,927398E+22	2,091604E+22	2,315973E+22
2589	2,486703E+22	2,558027E+22	2,564508E+22	2,564517E+22	2,558021E+22	2,486670E+22	2,315955E+22	2,091614E+22	1,927423E+22	1,927437E+22	2,091648E+22	2,315997E+22
2590	2,486699E+22	2,558005E+22	2,564453E+22	2,564403E+22	2,557906E+22	2,486617E+22	2,315948E+22	2,091631E+22	1,927442E+22	1,927438E+22	2,091628E+22	2,315963E+22
2591	2,486651E+22	2,557980E+22	2,564504E+22	2,564518E+22	2,558024E+22	2,486713E+22	2,316014E+22	2,091672E+22	1,927480E+22	1,927477E+22	2,091662E+22	2,315995E+22
2592	2,486701E+22	2,558029E+22	2,564537E+22	2,564544E+22	2,558015E+22	2,486649E+22	2,315942E+22	2,091617E+22	1,927452E+22	1,927473E+22	2,091665E+22	2,315984E+22
2593	2,486662E+22	2,557953E+22	2,564417E+22	2,564424E+22	2,557980E+22	2,486693E+22	2,316001E+22	2,091662E+22	1,927460E+22	1,927448E+22	2,091628E+22	2,315954E+22
2594	2,486654E+22	2,557999E+22	2,564517E+22	2,564525E+22	2,558050E+22	2,486742E+22	2,316025E+22	2,091665E+22	1,927458E+22	1,927454E+22	2,091653E+22	2,316003E+22
2595	2,486705E+22	2,558011E+22	2,564491E+22	2,564466E+22	2,557938E+22	2,486618E+22	2,315947E+22	2,091631E+22	1,927447E+22	1,927436E+22	2,091613E+22	2,315943E+22
2596	2,486638E+22	2,557937E+22	2,564412E+22	2,564427E+22	2,557969E+22	2,486682E+22	2,316011E+22	2,091671E+22	1,927452E+22	1,927425E+22	2,091599E+22	2,315933E+22
2597	2,486654E+22	2,558009E+22	2,564525E+22	2,564536E+22	2,558043E+22	2,486681E+22	2,315941E+22	2,091590E+22	1,927402E+22	1,927422E+22	2,091636E+22	2,315978E+22
2598	2,486666E+22	2,557973E+22	2,564451E+22	2,564418E+22	2,557919E+22	2,486617E+22	2,315915E+22	2,091562E+22	1,927361E+22	1,927372E+22	2,091598E+22	2,315958E+22
2599	2,486634E+22	2,557922E+22	2,564425E+22	2,564464E+22	2,558006E+22	2,486708E+22	2,315996E+22	2,091607E+22	1,927369E+22	1,927362E+22	2,091588E+22	2,315977E+22
2600	2,486712E+22	2,558022E+22	2,564493E+22	2,564503E+22	2,558012E+22	2,486656E+22	2,315926E+22	2,091551E+22	1,927332E+22	1,927342E+22	2,091575E+22	2,315955E+22
2601	2,486677E+22	2,557976E+22	2,564407E+22	2,564367E+22	2,557923E+22	2,486651E+22	2,315951E+22	2,091582E+22	1,927347E+22	1,927328E+22	2,091538E+22	2,315907E+22
2602	2,486635E+22	2,557990E+22	2,564506E+22	2,564498E+22	2,558010E+22	2,486707E+22	2,315988E+22	2,091600E+22	1,927366E+22	1,927360E+22	2,091580E+22	2,315957E+22
2603	2,486684E+22	2,558011E+22	2,564512E+22	2,564504E+22	2,557966E+22	2,486605E+22	2,315899E+22	2,091564E+22	1,927374E+22	1,927381E+22	2,091584E+22	2,315927E+22
2604	2,486619E+22	2,557911E+22	2,564386E+22	2,564413E+22	2,557975E+22	2,486680E+22	2,315980E+22	2,091625E+22	1,927411E+22	1,927403E+22	2,091598E+22	2,315937E+22
2605	2,486640E+22	2,557974E+22	2,564488E+22	2,564518E+22	2,558060E+22	2,486724E+22	2,315975E+22	2,091603E+22	1,927406E+22	1,927427E+22	2,091649E+22	2,316002E+22
2606	2,486693E+22	2,557989E+22	2,564455E+22	2,564418E+22	2,557916E+22	2,486623E+22	2,315946E+22	2,091619E+22	1,927429E+22	1,927432E+22	2,091636E+22	2,315979E+22
2607	2,486654E+22	2,557937E+22	2,564421E+22	2,564435E+22	2,557961E+22	2,486678E+22	2,316023E+22	2,091703E+22	1,927502E+22	1,927478E+22	2,091646E+22	2,315981E+22
2608	2,486705E+22	2,558044E+22	2,564542E+22	2,564540E+22	2,558020E+22	2,486658E+22	2,315959E+22	2,091654E+22	1,927497E+22	1,927510E+22	2,091683E+22	2,315986E+22
2609	2,486669E+22	2,557991E+22	2,564471E+22	2,564432E+22	2,557932E+22	2,486632E+22	2,315965E+22	2,091676E+22	1,927517E+22	1,927515E+22	2,091672E+22	2,315959E+22
2610	2,486624E+22	2,557961E+22	2,564503E+22	2,564526E+22	2,558033E+22	2,486721E+22	2,316029E+22	2,091706E+22	1,927533E+22	1,927535E+22	2,091706E+22	2,316017E+22
2611	2,486703E+22	2,558020E+22	2,564531E+22	2,564542E+22	2,558018E+22	2,486658E+22	2,315963E+22	2,091672E+22	1,927526E+22	1,927534E+22	2,091694E+22	2,315987E+22
2612	2,486651E+22	2,557940E+22	2,564405E+22	2,564403E+22	2,557956E+22	2,486685E+22	2,316026E+22	2,091725E+22	1,927546E+22	1,927523E+22	2,091669E+22	2,315964E+22
2613	2,486647E+22	2,557981E+22	2,564509E+22	2,564523E+22	2,558038E+22	2,486724E+22	2,316025E+22	2,091699E+22	1,927521E+22	1,927518E+22	2,091687E+22	2,316004E+22
2614	2,486695E+22	2,558012E+22	2,564508E+22	2,564476E+22	2,557929E+22	2,486604E+22	2,315950E+22	2,091665E+22	1,927500E+22	1,927497E+22	2,091667E+22	2,315970E+22
2615	2,486628E+22	2,557919E+22	2,564414E+22	2,564436E+22	2,557960E+22	2,486653E+22	2,315990E+22	2,091694E+22	1,927514E+22	1,927498E+22	2,091660E+22	2,315972E+22
2616	2,486668E+22	2,558003E+22	2,564517E+22	2,564532E+22	2,558050E+22	2,486696E+22	2,315954E+22	2,091609E+22	1,927442E+22	1,927469E+22	2,091672E+22	2,315998E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2617	2,486675E+22	2,557973E+22	2,564449E+22	2,564411E+22	2,557919E+22	2,486636E+22	2,315949E+22	2,091608E+22	1,927411E+22	1,927415E+22	2,091618E+22	2,315959E+22
2618	2,486643E+22	2,557944E+22	2,564439E+22	2,564454E+22	2,557978E+22	2,486688E+22	2,316003E+22	2,091646E+22	1,927423E+22	1,927405E+22	2,091605E+22	2,315977E+22
2619	2,486717E+22	2,558044E+22	2,564525E+22	2,564520E+22	2,558007E+22	2,486641E+22	2,315923E+22	2,091598E+22	1,927415E+22	1,927410E+22	2,091595E+22	2,315933E+22
2620	2,486643E+22	2,557961E+22	2,564424E+22	2,564388E+22	2,557922E+22	2,486637E+22	2,315954E+22	2,091629E+22	1,927432E+22	1,927416E+22	2,091592E+22	2,315912E+22
2621	2,486601E+22	2,557938E+22	2,564486E+22	2,564519E+22	2,558034E+22	2,486712E+22	2,315986E+22	2,091626E+22	1,927426E+22	1,927430E+22	2,091630E+22	2,315974E+22
2622	2,486670E+22	2,557985E+22	2,564497E+22	2,564501E+22	2,557975E+22	2,486631E+22	2,315934E+22	2,091608E+22	1,927426E+22	1,927440E+22	2,091644E+22	2,315969E+22
2623	2,486626E+22	2,557894E+22	2,564366E+22	2,564390E+22	2,557944E+22	2,486660E+22	2,315997E+22	2,091685E+22	1,927492E+22	1,927477E+22	2,091650E+22	2,315973E+22
2624	2,486669E+22	2,557992E+22	2,564490E+22	2,564495E+22	2,558033E+22	2,486718E+22	2,315998E+22	2,091660E+22	1,927487E+22	1,927497E+22	2,091681E+22	2,316003E+22
2625	2,486695E+22	2,558008E+22	2,564483E+22	2,564425E+22	2,557900E+22	2,486614E+22	2,315965E+22	2,091677E+22	1,927518E+22	1,927516E+22	2,091674E+22	2,315969E+22
2626	2,486641E+22	2,557952E+22	2,564455E+22	2,564458E+22	2,557950E+22	2,486647E+22	2,316008E+22	2,091735E+22	1,927574E+22	1,927557E+22	2,091699E+22	2,315996E+22
2627	2,486697E+22	2,558042E+22	2,564565E+22	2,564575E+22	2,558047E+22	2,486658E+22	2,315949E+22	2,091688E+22	1,927576E+22	1,927589E+22	2,091730E+22	2,315995E+22
2628	2,486648E+22	2,557961E+22	2,564460E+22	2,564438E+22	2,557943E+22	2,486650E+22	2,315990E+22	2,091720E+22	1,927586E+22	1,927591E+22	2,091729E+22	2,315986E+22
2629	2,486621E+22	2,557928E+22	2,564476E+22	2,564523E+22	2,558037E+22	2,486731E+22	2,316054E+22	2,091750E+22	1,927587E+22	1,927582E+22	2,091731E+22	2,316026E+22
2630	2,486708E+22	2,558028E+22	2,564536E+22	2,564531E+22	2,558000E+22	2,486658E+22	2,315993E+22	2,091727E+22	1,927587E+22	1,927586E+22	2,091728E+22	2,315996E+22
2631	2,486643E+22	2,557937E+22	2,564414E+22	2,564398E+22	2,557919E+22	2,486646E+22	2,316022E+22	2,091775E+22	1,927630E+22	1,927604E+22	2,091717E+22	2,315975E+22
2632	2,486643E+22	2,557983E+22	2,564519E+22	2,564528E+22	2,558031E+22	2,486717E+22	2,316024E+22	2,091725E+22	1,927583E+22	1,927588E+22	2,091730E+22	2,316007E+22
2633	2,486676E+22	2,557996E+22	2,564509E+22	2,564487E+22	2,557942E+22	2,486615E+22	2,315960E+22	2,091693E+22	1,927557E+22	1,927563E+22	2,091711E+22	2,315983E+22
2634	2,486628E+22	2,557915E+22	2,564409E+22	2,564435E+22	2,557956E+22	2,486651E+22	2,315992E+22	2,091712E+22	1,927551E+22	1,927541E+22	2,091699E+22	2,316004E+22
2635	2,486693E+22	2,558016E+22	2,564523E+22	2,564535E+22	2,558046E+22	2,486691E+22	2,315960E+22	2,091651E+22	1,927502E+22	1,927512E+22	2,091686E+22	2,315995E+22
2636	2,486671E+22	2,557975E+22	2,564453E+22	2,564407E+22	2,557902E+22	2,486630E+22	2,315969E+22	2,091661E+22	1,927484E+22	1,927478E+22	2,091647E+22	2,315956E+22
2637	2,486629E+22	2,557928E+22	2,564446E+22	2,564472E+22	2,557976E+22	2,486680E+22	2,316009E+22	2,091681E+22	1,927481E+22	1,927460E+22	2,091627E+22	2,315962E+22
2638	2,486691E+22	2,558037E+22	2,564543E+22	2,564541E+22	2,558009E+22	2,486640E+22	2,315936E+22	2,091638E+22	1,927475E+22	1,927478E+22	2,091649E+22	2,315947E+22
2639	2,486616E+22	2,557927E+22	2,564411E+22	2,564395E+22	2,557918E+22	2,486625E+22	2,315953E+22	2,091670E+22	1,927512E+22	1,927506E+22	2,091661E+22	2,315949E+22
2640	2,486610E+22	2,557924E+22	2,564460E+22	2,564496E+22	2,558030E+22	2,486734E+22	2,316013E+22	2,091664E+22	1,927487E+22	1,927497E+22	2,091678E+22	2,315997E+22
2641	2,486681E+22	2,557984E+22	2,564486E+22	2,564481E+22	2,557956E+22	2,486636E+22	2,315969E+22	2,091671E+22	1,927505E+22	1,927508E+22	2,091678E+22	2,315979E+22
2642	2,486645E+22	2,557923E+22	2,564382E+22	2,564382E+22	2,557906E+22	2,486622E+22	2,315990E+22	2,091728E+22	1,927567E+22	1,927545E+22	2,091686E+22	2,315985E+22
2643	2,486682E+22	2,558023E+22	2,564532E+22	2,564522E+22	2,558019E+22	2,486683E+22	2,315983E+22	2,091706E+22	1,927577E+22	1,927579E+22	2,091716E+22	2,315990E+22
2644	2,486665E+22	2,557998E+22	2,564509E+22	2,564462E+22	2,557911E+22	2,486605E+22	2,315965E+22	2,091717E+22	1,927599E+22	1,927606E+22	2,091734E+22	2,315978E+22
2645	2,486611E+22	2,557912E+22	2,564451E+22	2,564493E+22	2,557985E+22	2,486666E+22	2,316015E+22	2,091757E+22	1,927625E+22	1,927619E+22	2,091743E+22	2,316008E+22
2646	2,486684E+22	2,558023E+22	2,564559E+22	2,564582E+22	2,558064E+22	2,486695E+22	2,315994E+22	2,091735E+22	1,927627E+22	1,927645E+22	2,091780E+22	2,316021E+22
2647	2,486647E+22	2,557941E+22	2,564439E+22	2,564423E+22	2,557924E+22	2,486646E+22	2,316019E+22	2,091788E+22	1,927673E+22	1,927665E+22	2,091774E+22	2,316010E+22
2648	2,486638E+22	2,557934E+22	2,564460E+22	2,564492E+22	2,558014E+22	2,486737E+22	2,316084E+22	2,091808E+22	1,927668E+22	1,927653E+22	2,091764E+22	2,316022E+22
2649	2,486698E+22	2,558031E+22	2,564547E+22	2,564530E+22	2,557980E+22	2,486647E+22	2,316013E+22	2,091785E+22	1,927673E+22	1,927668E+22	2,091770E+22	2,315996E+22
2650	2,486636E+22	2,557944E+22	2,564429E+22	2,564408E+22	2,557896E+22	2,486602E+22	2,315995E+22	2,091794E+22	1,927690E+22	1,927676E+22	2,091774E+22	2,316004E+22
2651	2,486650E+22	2,557985E+22	2,564530E+22	2,564546E+22	2,558036E+22	2,486702E+22	2,316006E+22	2,091744E+22	1,927641E+22	1,927650E+22	2,091774E+22	2,316025E+22
2652	2,486673E+22	2,557984E+22	2,564500E+22	2,564488E+22	2,557944E+22	2,486624E+22	2,315973E+22	2,091716E+22	1,927597E+22	1,927613E+22	2,091751E+22	2,316006E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2653	2,486635E+22	2,557905E+22	2,564398E+22	2,564435E+22	2,557951E+22	2,486649E+22	2,316003E+22	2,091735E+22	1,927582E+22	1,927564E+22	2,091703E+22	2,315998E+22
2654	2,486697E+22	2,558037E+22	2,564545E+22	2,564540E+22	2,558035E+22	2,486692E+22	2,315984E+22	2,091693E+22	1,927550E+22	1,927552E+22	2,091703E+22	2,315983E+22
2655	2,486649E+22	2,557969E+22	2,564468E+22	2,564424E+22	2,557885E+22	2,486602E+22	2,315969E+22	2,091708E+22	1,927565E+22	1,927554E+22	2,091685E+22	2,315952E+22
2656	2,486607E+22	2,557913E+22	2,564441E+22	2,564478E+22	2,557985E+22	2,486690E+22	2,316021E+22	2,091718E+22	1,927551E+22	1,927535E+22	2,091671E+22	2,315956E+22
2657	2,486654E+22	2,558002E+22	2,564531E+22	2,564549E+22	2,558024E+22	2,486662E+22	2,315966E+22	2,091685E+22	1,927547E+22	1,927555E+22	2,091699E+22	2,315962E+22
2658	2,486613E+22	2,557913E+22	2,564390E+22	2,564380E+22	2,557899E+22	2,486614E+22	2,315963E+22	2,091706E+22	1,927574E+22	1,927574E+22	2,091716E+22	2,315987E+22
2659	2,486636E+22	2,557939E+22	2,564460E+22	2,564485E+22	2,558007E+22	2,486713E+22	2,316022E+22	2,091721E+22	1,927573E+22	1,927568E+22	2,091715E+22	2,316006E+22
2660	2,486685E+22	2,557995E+22	2,564493E+22	2,564475E+22	2,557933E+22	2,486619E+22	2,315979E+22	2,091722E+22	1,927591E+22	1,927595E+22	2,091731E+22	2,315992E+22
2661	2,486638E+22	2,557921E+22	2,564403E+22	2,564409E+22	2,557902E+22	2,486602E+22	2,315985E+22	2,091756E+22	1,927630E+22	1,927614E+22	2,091727E+22	2,315988E+22
2662	2,486670E+22	2,558027E+22	2,564563E+22	2,564561E+22	2,558036E+22	2,486684E+22	2,315990E+22	2,091738E+22	1,927637E+22	1,927653E+22	2,091778E+22	2,316011E+22
2663	2,486646E+22	2,557971E+22	2,564503E+22	2,564484E+22	2,557927E+22	2,486610E+22	2,315977E+22	2,091759E+22	1,927676E+22	1,927691E+22	2,091798E+22	2,316013E+22
2664	2,486620E+22	2,557902E+22	2,564426E+22	2,564474E+22	2,557994E+22	2,486707E+22	2,316061E+22	2,091807E+22	1,927688E+22	1,927680E+22	2,091780E+22	2,316017E+22
2665	2,486681E+22	2,558021E+22	2,564551E+22	2,564565E+22	2,558048E+22	2,486707E+22	2,316044E+22	2,091811E+22	1,927712E+22	1,927711E+22	2,091804E+22	2,316021E+22
2666	2,486655E+22	2,557961E+22	2,564446E+22	2,564410E+22	2,557886E+22	2,486609E+22	2,316020E+22	2,091839E+22	1,927755E+22	1,927740E+22	2,091814E+22	2,316019E+22
2667	2,486643E+22	2,557954E+22	2,564487E+22	2,564505E+22	2,557991E+22	2,486692E+22	2,316067E+22	2,091851E+22	1,927754E+22	1,927733E+22	2,091804E+22	2,316015E+22
2668	2,486668E+22	2,558013E+22	2,564551E+22	2,564546E+22	2,557980E+22	2,486630E+22	2,316004E+22	2,091811E+22	1,927739E+22	1,927749E+22	2,091832E+22	2,316017E+22
2669	2,486615E+22	2,557911E+22	2,564423E+22	2,564429E+22	2,557914E+22	2,486606E+22	2,315990E+22	2,091796E+22	1,927715E+22	1,927717E+22	2,091809E+22	2,316023E+22
2670	2,486653E+22	2,557983E+22	2,564533E+22	2,564550E+22	2,558039E+22	2,486715E+22	2,316030E+22	2,091769E+22	1,927667E+22	1,927685E+22	2,091808E+22	2,316042E+22
2671	2,486674E+22	2,557979E+22	2,564493E+22	2,564484E+22	2,557931E+22	2,486614E+22	2,315992E+22	2,091766E+22	1,927662E+22	1,927665E+22	2,091776E+22	2,316013E+22
2672	2,486644E+22	2,557921E+22	2,564398E+22	2,564419E+22	2,557943E+22	2,486663E+22	2,316030E+22	2,091780E+22	1,927644E+22	1,927618E+22	2,091717E+22	2,315973E+22
2673	2,486665E+22	2,558032E+22	2,564561E+22	2,564554E+22	2,558031E+22	2,486692E+22	2,316012E+22	2,091751E+22	1,927630E+22	1,927624E+22	2,091732E+22	2,315971E+22
2674	2,486628E+22	2,557958E+22	2,564470E+22	2,564436E+22	2,557881E+22	2,486576E+22	2,315957E+22	2,091738E+22	1,927634E+22	1,927634E+22	2,091746E+22	2,315980E+22
2675	2,486604E+22	2,557899E+22	2,564430E+22	2,564479E+22	2,557987E+22	2,486680E+22	2,316022E+22	2,091755E+22	1,927622E+22	1,927612E+22	2,091728E+22	2,315981E+22
2676	2,486647E+22	2,557979E+22	2,564504E+22	2,564529E+22	2,558012E+22	2,486666E+22	2,315992E+22	2,091729E+22	1,927611E+22	1,927628E+22	2,091760E+22	2,315999E+22
2677	2,486624E+22	2,557909E+22	2,564386E+22	2,564372E+22	2,557877E+22	2,486596E+22	2,315969E+22	2,091738E+22	1,927624E+22	1,927621E+22	2,091743E+22	2,315999E+22
2678	2,486652E+22	2,557972E+22	2,564494E+22	2,564495E+22	2,557986E+22	2,486692E+22	2,316029E+22	2,091758E+22	1,927634E+22	1,927635E+22	2,091757E+22	2,316009E+22
2679	2,486673E+22	2,558001E+22	2,564520E+22	2,564503E+22	2,557928E+22	2,486592E+22	2,315973E+22	2,091764E+22	1,927673E+22	1,927681E+22	2,091783E+22	2,316002E+22
2680	2,486628E+22	2,557919E+22	2,564410E+22	2,564424E+22	2,557928E+22	2,486626E+22	2,316001E+22	2,091791E+22	1,927696E+22	1,927687E+22	2,091772E+22	2,315987E+22
2681	2,486641E+22	2,558003E+22	2,564562E+22	2,564580E+22	2,558063E+22	2,486720E+22	2,316038E+22	2,091798E+22	1,927712E+22	1,927723E+22	2,091817E+22	2,316024E+22
2682	2,486647E+22	2,557961E+22	2,564488E+22	2,564476E+22	2,557919E+22	2,486606E+22	2,316002E+22	2,091815E+22	1,927749E+22	1,927760E+22	2,091845E+22	2,316038E+22
2683	2,486634E+22	2,557911E+22	2,564423E+22	2,564458E+22	2,557971E+22	2,486689E+22	2,316084E+22	2,091882E+22	1,927785E+22	1,927758E+22	2,091816E+22	2,316015E+22
2684	2,486665E+22	2,558016E+22	2,564551E+22	2,564554E+22	2,558023E+22	2,486690E+22	2,316060E+22	2,091868E+22	1,927802E+22	1,927803E+22	2,091860E+22	2,316029E+22
2685	2,486633E+22	2,557947E+22	2,564460E+22	2,564424E+22	2,557868E+22	2,486573E+22	2,316004E+22	2,091861E+22	1,927814E+22	1,927809E+22	2,091860E+22	2,316029E+22
2686	2,486633E+22	2,557955E+22	2,564509E+22	2,564529E+22	2,557996E+22	2,486675E+22	2,316056E+22	2,091867E+22	1,927802E+22	1,927803E+22	2,091867E+22	2,316042E+22
2687	2,486660E+22	2,557992E+22	2,564541E+22	2,564554E+22	2,557988E+22	2,486626E+22	2,316001E+22	2,091830E+22	1,927789E+22	1,927812E+22	2,091887E+22	2,316055E+22
2688	2,486636E+22	2,557915E+22	2,564406E+22	2,564408E+22	2,557920E+22	2,486635E+22	2,316020E+22	2,091826E+22	1,927750E+22	1,927749E+22	2,091826E+22	2,316025E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2689	2,486653E+22	2,557993E+22	2,564542E+22	2,564548E+22	2,558031E+22	2,486722E+22	2,316070E+22	2,091828E+22	1,927727E+22	1,927721E+22	2,091808E+22	2,316028E+22
2690	2,486674E+22	2,557994E+22	2,564509E+22	2,564487E+22	2,557912E+22	2,486584E+22	2,315991E+22	2,091806E+22	1,927728E+22	1,927724E+22	2,091801E+22	2,316004E+22
2691	2,486629E+22	2,557927E+22	2,564421E+22	2,564437E+22	2,557939E+22	2,486637E+22	2,316029E+22	2,091829E+22	1,927724E+22	1,927692E+22	2,091754E+22	2,315958E+22
2692	2,486617E+22	2,557992E+22	2,564548E+22	2,564563E+22	2,558044E+22	2,486695E+22	2,316021E+22	2,091787E+22	1,927699E+22	1,927708E+22	2,091798E+22	2,315993E+22
2693	2,486599E+22	2,557914E+22	2,564448E+22	2,564437E+22	2,557889E+22	2,486581E+22	2,315965E+22	2,091758E+22	1,927676E+22	1,927688E+22	2,091794E+22	2,316011E+22
2694	2,486616E+22	2,557898E+22	2,564424E+22	2,564467E+22	2,557973E+22	2,486677E+22	2,316044E+22	2,091793E+22	1,927672E+22	1,927670E+22	2,091780E+22	2,316012E+22
2695	2,486661E+22	2,557982E+22	2,564495E+22	2,564511E+22	2,557985E+22	2,486643E+22	2,316003E+22	2,091783E+22	1,927690E+22	1,927701E+22	2,091806E+22	2,316025E+22
2696	2,486646E+22	2,557937E+22	2,564400E+22	2,564361E+22	2,557867E+22	2,486598E+22	2,315986E+22	2,091780E+22	1,927691E+22	1,927686E+22	2,091774E+22	2,315991E+22
2697	2,486635E+22	2,557983E+22	2,564531E+22	2,564524E+22	2,557987E+22	2,486681E+22	2,316047E+22	2,091813E+22	1,927714E+22	1,927708E+22	2,091791E+22	2,316009E+22
2698	2,486663E+22	2,557998E+22	2,564535E+22	2,564531E+22	2,557945E+22	2,486578E+22	2,315966E+22	2,091797E+22	1,927747E+22	1,927764E+22	2,091842E+22	2,316027E+22
2699	2,486627E+22	2,557916E+22	2,564415E+22	2,564436E+22	2,557943E+22	2,486632E+22	2,316021E+22	2,091842E+22	1,927771E+22	1,927761E+22	2,091819E+22	2,315998E+22
2700	2,486622E+22	2,557975E+22	2,564538E+22	2,564563E+22	2,558057E+22	2,486732E+22	2,316079E+22	2,091863E+22	1,927791E+22	1,927799E+22	2,091868E+22	2,316042E+22
2701	2,486638E+22	2,557950E+22	2,564486E+22	2,564466E+22	2,557897E+22	2,486589E+22	2,316017E+22	2,091867E+22	1,927820E+22	1,927820E+22	2,091874E+22	2,316042E+22
2702	2,486634E+22	2,557928E+22	2,564449E+22	2,564461E+22	2,557945E+22	2,486658E+22	2,316085E+22	2,091922E+22	1,927859E+22	1,927841E+22	2,091870E+22	2,316019E+22
2703	2,486643E+22	2,558002E+22	2,564560E+22	2,564566E+22	2,558012E+22	2,486658E+22	2,316049E+22	2,091906E+22	1,927883E+22	1,927893E+22	2,091926E+22	2,316053E+22
2704	2,486627E+22	2,557938E+22	2,564457E+22	2,564429E+22	2,557890E+22	2,486591E+22	2,316008E+22	2,091878E+22	1,927861E+22	1,927869E+22	2,091906E+22	2,316043E+22
2705	2,486618E+22	2,557939E+22	2,564510E+22	2,564541E+22	2,558011E+22	2,486695E+22	2,316087E+22	2,091906E+22	1,927851E+22	1,927849E+22	2,091894E+22	2,316062E+22
2706	2,486678E+22	2,557994E+22	2,564532E+22	2,564546E+22	2,557984E+22	2,486620E+22	2,316015E+22	2,091870E+22	1,927841E+22	1,927857E+22	2,091914E+22	2,316072E+22
2707	2,486655E+22	2,557937E+22	2,564418E+22	2,564402E+22	2,557906E+22	2,486621E+22	2,316040E+22	2,091886E+22	1,927822E+22	1,927801E+22	2,091841E+22	2,316009E+22
2708	2,486627E+22	2,557982E+22	2,564546E+22	2,564547E+22	2,558020E+22	2,486715E+22	2,316092E+22	2,091883E+22	1,927803E+22	1,927794E+22	2,091847E+22	2,316022E+22
2709	2,486637E+22	2,557971E+22	2,564524E+22	2,564506E+22	2,557908E+22	2,486562E+22	2,315984E+22	2,091834E+22	1,927783E+22	1,927784E+22	2,091841E+22	2,316011E+22
2710	2,486610E+22	2,557911E+22	2,564429E+22	2,564448E+22	2,557945E+22	2,486630E+22	2,316026E+22	2,091848E+22	1,927777E+22	1,927768E+22	2,091821E+22	2,315987E+22
2711	2,486606E+22	2,557958E+22	2,564520E+22	2,564547E+22	2,558041E+22	2,486696E+22	2,316031E+22	2,091819E+22	1,927757E+22	1,927778E+22	2,091860E+22	2,316040E+22
2712	2,486627E+22	2,557919E+22	2,564425E+22	2,564399E+22	2,557878E+22	2,486596E+22	2,315991E+22	2,091796E+22	1,927723E+22	1,927731E+22	2,091822E+22	2,316026E+22
2713	2,486630E+22	2,557921E+22	2,564446E+22	2,564465E+22	2,557953E+22	2,486661E+22	2,316065E+22	2,091853E+22	1,927745E+22	1,927720E+22	2,091792E+22	2,316014E+22
2714	2,486678E+22	2,558010E+22	2,564527E+22	2,564523E+22	2,557965E+22	2,486600E+22	2,315986E+22	2,091818E+22	1,927763E+22	1,927771E+22	2,091842E+22	2,316026E+22
2715	2,486640E+22	2,557952E+22	2,564440E+22	2,564395E+22	2,557872E+22	2,486573E+22	2,315983E+22	2,091828E+22	1,927769E+22	1,927762E+22	2,091815E+22	2,315980E+22
2716	2,486590E+22	2,557948E+22	2,564532E+22	2,564549E+22	2,558018E+22	2,486700E+22	2,316066E+22	2,091856E+22	1,927785E+22	1,927789E+22	2,091850E+22	2,316022E+22
2717	2,486628E+22	2,557958E+22	2,564526E+22	2,564539E+22	2,557959E+22	2,486594E+22	2,315988E+22	2,091834E+22	1,927802E+22	1,927821E+22	2,091883E+22	2,316044E+22
2718	2,486625E+22	2,557908E+22	2,564411E+22	2,564427E+22	2,557935E+22	2,486638E+22	2,316054E+22	2,091899E+22	1,927847E+22	1,927839E+22	2,091871E+22	2,316015E+22
2719	2,486617E+22	2,557960E+22	2,564521E+22	2,564541E+22	2,558035E+22	2,486718E+22	2,316098E+22	2,091929E+22	1,927889E+22	1,927890E+22	2,091923E+22	2,316064E+22
2720	2,486647E+22	2,557958E+22	2,564485E+22	2,564447E+22	2,557883E+22	2,486587E+22	2,316031E+22	2,091915E+22	1,927899E+22	1,927899E+22	2,091920E+22	2,316046E+22
2721	2,486619E+22	2,557928E+22	2,564474E+22	2,564483E+22	2,557941E+22	2,486636E+22	2,316090E+22	2,091972E+22	1,927938E+22	1,927916E+22	2,091916E+22	2,316043E+22
2722	2,486649E+22	2,557995E+22	2,564563E+22	2,564577E+22	2,558015E+22	2,486638E+22	2,316031E+22	2,091925E+22	1,927942E+22	1,927967E+22	2,091987E+22	2,316092E+22
2723	2,486645E+22	2,557945E+22	2,564465E+22	2,564433E+22	2,557892E+22	2,486593E+22	2,316026E+22	2,091916E+22	1,927911E+22	1,927920E+22	2,091940E+22	2,316056E+22
2724	2,486617E+22	2,557932E+22	2,564502E+22	2,564530E+22	2,558005E+22	2,486704E+22	2,316118E+22	2,091957E+22	1,927908E+22	1,927896E+22	2,091920E+22	2,316067E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2725	2,486670E+22	2,557998E+22	2,564549E+22	2,564547E+22	2,557970E+22	2,486606E+22	2,316022E+22	2,091908E+22	1,927893E+22	1,927895E+22	2,091919E+22	2,316058E+22
2726	2,486646E+22	2,557951E+22	2,564454E+22	2,564420E+22	2,557897E+22	2,486603E+22	2,316039E+22	2,091919E+22	1,927888E+22	1,927872E+22	2,091878E+22	2,315996E+22
2727	2,486589E+22	2,557948E+22	2,564541E+22	2,564557E+22	2,558022E+22	2,486702E+22	2,316090E+22	2,091922E+22	1,927878E+22	1,927875E+22	2,091904E+22	2,316039E+22
2728	2,486621E+22	2,557943E+22	2,564502E+22	2,564499E+22	2,557929E+22	2,486589E+22	2,315999E+22	2,091861E+22	1,927832E+22	1,927842E+22	2,091886E+22	2,316028E+22
2729	2,486599E+22	2,557890E+22	2,564420E+22	2,564444E+22	2,557940E+22	2,486637E+22	2,316054E+22	2,091895E+22	1,927833E+22	1,927816E+22	2,091854E+22	2,316019E+22
2730	2,486633E+22	2,557960E+22	2,564506E+22	2,564523E+22	2,558014E+22	2,486673E+22	2,316036E+22	2,091862E+22	1,927821E+22	1,927836E+22	2,091899E+22	2,316067E+22
2731	2,486656E+22	2,557951E+22	2,564449E+22	2,564395E+22	2,557853E+22	2,486571E+22	2,315999E+22	2,091848E+22	1,927794E+22	1,927792E+22	2,091846E+22	2,316017E+22
2732	2,486613E+22	2,557921E+22	2,564466E+22	2,564475E+22	2,557942E+22	2,486644E+22	2,316069E+22	2,091897E+22	1,927820E+22	1,927797E+22	2,091836E+22	2,316012E+22
2733	2,486646E+22	2,557997E+22	2,564556E+22	2,564556E+22	2,557975E+22	2,486585E+22	2,315975E+22	2,091844E+22	1,927821E+22	1,927834E+22	2,091882E+22	2,316033E+22
2734	2,486624E+22	2,557940E+22	2,564458E+22	2,564425E+22	2,557897E+22	2,486582E+22	2,315986E+22	2,091851E+22	1,927832E+22	1,927844E+22	2,091877E+22	2,316001E+22
2735	2,486572E+22	2,557907E+22	2,564501E+22	2,564538E+22	2,558025E+22	2,486719E+22	2,316098E+22	2,091910E+22	1,927860E+22	1,927866E+22	2,091908E+22	2,316057E+22
2736	2,486642E+22	2,557953E+22	2,564501E+22	2,564507E+22	2,557954E+22	2,486618E+22	2,316029E+22	2,091896E+22	1,927872E+22	1,927880E+22	2,091914E+22	2,316050E+22
2737	2,486624E+22	2,557916E+22	2,564427E+22	2,564421E+22	2,557908E+22	2,486623E+22	2,316081E+22	2,091972E+22	1,927940E+22	1,927909E+22	2,091899E+22	2,316024E+22
2738	2,486627E+22	2,557969E+22	2,564534E+22	2,564540E+22	2,558007E+22	2,486677E+22	2,316084E+22	2,091973E+22	1,927977E+22	1,927981E+22	2,091979E+22	2,316080E+22
2739	2,486647E+22	2,557968E+22	2,564511E+22	2,564468E+22	2,557879E+22	2,486561E+22	2,316026E+22	2,091958E+22	1,927975E+22	1,927980E+22	2,091973E+22	2,316056E+22
2740	2,486595E+22	2,557901E+22	2,564471E+22	2,564499E+22	2,557958E+22	2,486645E+22	2,316097E+22	2,092005E+22	1,928001E+22	1,927989E+22	2,091974E+22	2,316068E+22
2741	2,486638E+22	2,557979E+22	2,564566E+22	2,564583E+22	2,558017E+22	2,486642E+22	2,316043E+22	2,091953E+22	1,927982E+22	1,928006E+22	2,092014E+22	2,316110E+22
2742	2,486659E+22	2,557956E+22	2,564480E+22	2,564439E+22	2,557888E+22	2,486595E+22	2,316044E+22	2,091957E+22	1,927971E+22	1,927978E+22	2,091970E+22	2,316057E+22
2743	2,486608E+22	2,557924E+22	2,564500E+22	2,564523E+22	2,557993E+22	2,486700E+22	2,316137E+22	2,092011E+22	1,927985E+22	1,927964E+22	2,091952E+22	2,316066E+22
2744	2,486662E+22	2,557999E+22	2,564551E+22	2,564541E+22	2,557968E+22	2,486613E+22	2,316038E+22	2,091950E+22	1,927958E+22	1,927956E+22	2,091948E+22	2,316045E+22
2745	2,486614E+22	2,557935E+22	2,564470E+22	2,564445E+22	2,557901E+22	2,486596E+22	2,316048E+22	2,091966E+22	1,927960E+22	1,927937E+22	2,091919E+22	2,316017E+22
2746	2,486589E+22	2,557922E+22	2,564519E+22	2,564553E+22	2,558021E+22	2,486691E+22	2,316077E+22	2,091940E+22	1,927934E+22	1,927945E+22	2,091963E+22	2,316078E+22
2747	2,486639E+22	2,557940E+22	2,564489E+22	2,564482E+22	2,557909E+22	2,486584E+22	2,316019E+22	2,091902E+22	1,927883E+22	1,927894E+22	2,091924E+22	2,316048E+22
2748	2,486605E+22	2,557886E+22	2,564410E+22	2,564427E+22	2,557919E+22	2,486628E+22	2,316070E+22	2,091941E+22	1,927892E+22	1,927868E+22	2,091885E+22	2,316028E+22
2749	2,486633E+22	2,557976E+22	2,564533E+22	2,564524E+22	2,557984E+22	2,486640E+22	2,316024E+22	2,091889E+22	1,927873E+22	1,927882E+22	2,091915E+22	2,316059E+22
2750	2,486653E+22	2,557972E+22	2,564495E+22	2,564430E+22	2,557851E+22	2,486550E+22	2,315986E+22	2,091869E+22	1,927859E+22	1,927868E+22	2,091887E+22	2,316007E+22
2751	2,486579E+22	2,557895E+22	2,564470E+22	2,564501E+22	2,557963E+22	2,486648E+22	2,316071E+22	2,091930E+22	1,927890E+22	1,927875E+22	2,091889E+22	2,316026E+22
2752	2,486629E+22	2,557970E+22	2,564536E+22	2,564558E+22	2,558009E+22	2,486630E+22	2,316004E+22	2,091880E+22	1,927876E+22	1,927893E+22	2,091921E+22	2,316043E+22
2753	2,486610E+22	2,557917E+22	2,564449E+22	2,564429E+22	2,557901E+22	2,486604E+22	2,316034E+22	2,091923E+22	1,927909E+22	1,927902E+22	2,091911E+22	2,316029E+22
2754	2,486592E+22	2,557897E+22	2,564475E+22	2,564510E+22	2,557998E+22	2,486705E+22	2,316118E+22	2,091976E+22	1,927953E+22	1,927949E+22	2,091957E+22	2,316079E+22
2755	2,486659E+22	2,557971E+22	2,564514E+22	2,564495E+22	2,557916E+22	2,486595E+22	2,316053E+22	2,091969E+22	1,927970E+22	1,927969E+22	2,091960E+22	2,316051E+22
2756	2,486608E+22	2,557912E+22	2,564442E+22	2,564429E+22	2,557886E+22	2,486597E+22	2,316084E+22	2,092025E+22	1,928032E+22	1,928005E+22	2,091964E+22	2,316037E+22
2757	2,486606E+22	2,557963E+22	2,564559E+22	2,564562E+22	2,558000E+22	2,486648E+22	2,316063E+22	2,091994E+22	1,928040E+22	1,928055E+22	2,092034E+22	2,316105E+22
2758	2,486651E+22	2,557971E+22	2,564531E+22	2,564497E+22	2,557897E+22	2,486565E+22	2,316018E+22	2,091968E+22	1,928030E+22	1,928058E+22	2,092032E+22	2,316082E+22
2759	2,486597E+22	2,557885E+22	2,564454E+22	2,564492E+22	2,557962E+22	2,486660E+22	2,316120E+22	2,092044E+22	1,928058E+22	1,928048E+22	2,092017E+22	2,316095E+22
2760	2,486658E+22	2,557990E+22	2,564557E+22	2,564570E+22	2,558020E+22	2,486665E+22	2,316077E+22	2,092003E+22	1,928038E+22	1,928044E+22	2,092023E+22	2,316099E+22

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2761	2,486650E+22	2,557968E+22	2,564509E+22	2,564459E+22	2,557876E+22	2,486585E+22	2,316066E+22	2,092017E+22	1,928046E+22	1,928028E+22	2,091982E+22	2,316048E+22
2762	2,486598E+22	2,557913E+22	2,564502E+22	2,564530E+22	2,557979E+22	2,486674E+22	2,316130E+22	2,092050E+22	1,928062E+22	1,928044E+22	2,091997E+22	2,316067E+22
2763	2,486641E+22	2,557986E+22	2,564558E+22	2,564557E+22	2,557967E+22	2,486607E+22	2,316047E+22	2,091988E+22	1,928021E+22	1,928026E+22	2,091994E+22	2,316047E+22
2764	2,486580E+22	2,557893E+22	2,564444E+22	2,564441E+22	2,557903E+22	2,486604E+22	2,316062E+22	2,091997E+22	1,928016E+22	1,928004E+22	2,091973E+22	2,316041E+22
2765	2,486581E+22	2,557907E+22	2,564505E+22	2,564533E+22	2,557998E+22	2,486681E+22	2,316084E+22	2,091967E+22	1,927975E+22	1,927986E+22	2,091993E+22	2,316102E+22
2766	2,486664E+22	2,557960E+22	2,564499E+22	2,564479E+22	2,557892E+22	2,486568E+22	2,316018E+22	2,091929E+22	1,927942E+22	1,927956E+22	2,091957E+22	2,316054E+22
2767	2,486607E+22	2,557890E+22	2,564412E+22	2,564422E+22	2,557901E+22	2,486613E+22	2,316074E+22	2,091979E+22	1,927960E+22	1,927935E+22	2,091923E+22	2,316036E+22
2768	2,486633E+22	2,557985E+22	2,564546E+22	2,564538E+22	2,557989E+22	2,486641E+22	2,316031E+22	2,091922E+22	1,927929E+22	1,927937E+22	2,091942E+22	2,316050E+22
2769	2,486626E+22	2,557962E+22	2,564520E+22	2,564473E+22	2,557870E+22	2,486553E+22	2,315997E+22	2,091911E+22	1,927925E+22	1,927928E+22	2,091926E+22	2,316026E+22
2770	2,486576E+22	2,557869E+22	2,564448E+22	2,564501E+22	2,557971E+22	2,486659E+22	2,316084E+22	2,091965E+22	1,927957E+22	1,927951E+22	2,091944E+22	2,316053E+22
2771	2,486638E+22	2,557968E+22	2,564525E+22	2,564543E+22	2,557992E+22	2,486641E+22	2,316051E+22	2,091946E+22	1,927949E+22	1,927958E+22	2,091959E+22	2,316052E+22
2772	2,486605E+22	2,557909E+22	2,564438E+22	2,564414E+22	2,557876E+22	2,486596E+22	2,316064E+22	2,091995E+22	1,928002E+22	1,927982E+22	2,091954E+22	2,316034E+22
2773	2,486585E+22	2,557910E+22	2,564496E+22	2,564505E+22	2,557959E+22	2,486665E+22	2,316110E+22	2,092020E+22	1,928034E+22	1,928026E+22	2,091997E+22	2,316083E+22
2774	2,486655E+22	2,557986E+22	2,564548E+22	2,564524E+22	2,557909E+22	2,486564E+22	2,316033E+22	2,091996E+22	1,928054E+22	1,928071E+22	2,092025E+22	2,316059E+22
2775	2,486584E+22	2,557890E+22	2,564444E+22	2,564450E+22	2,557901E+22	2,486594E+22	2,316078E+22	2,092052E+22	1,928101E+22	1,928092E+22	2,092034E+22	2,316070E+22
2776	2,486607E+22	2,557951E+22	2,564547E+22	2,564569E+22	2,558022E+22	2,486675E+22	2,316083E+22	2,092022E+22	1,928087E+22	1,928108E+22	2,092073E+22	2,316120E+22
2777	2,486650E+22	2,557967E+22	2,564539E+22	2,564516E+22	2,557908E+22	2,486583E+22	2,316058E+22	2,092027E+22	1,928092E+22	1,928101E+22	2,092056E+22	2,316102E+22
2778	2,486616E+22	2,557888E+22	2,564444E+22	2,564482E+22	2,557951E+22	2,486655E+22	2,316137E+22	2,092095E+22	1,928133E+22	1,928113E+22	2,092046E+22	2,316096E+22
2779	2,486659E+22	2,558005E+22	2,564573E+22	2,564566E+22	2,557993E+22	2,486656E+22	2,316109E+22	2,092065E+22	1,928116E+22	1,928113E+22	2,092051E+22	2,316082E+22
2780	2,486615E+22	2,557947E+22	2,564513E+22	2,564473E+22	2,557870E+22	2,486572E+22	2,316080E+22	2,092069E+22	1,928127E+22	1,928111E+22	2,092034E+22	2,316050E+22
2781	2,486564E+22	2,557891E+22	2,564500E+22	2,564535E+22	2,557971E+22	2,486652E+22	2,316115E+22	2,092067E+22	1,928116E+22	1,928109E+22	2,092049E+22	2,316091E+22
2782	2,486638E+22	2,557972E+22	2,564550E+22	2,564561E+22	2,557971E+22	2,486606E+22	2,316043E+22	2,091999E+22	1,928071E+22	1,928099E+22	2,092052E+22	2,316077E+22
2783	2,486586E+22	2,557878E+22	2,564417E+22	2,564416E+22	2,557887E+22	2,486604E+22	2,316078E+22	2,092028E+22	1,928062E+22	1,928053E+22	2,092014E+22	2,316072E+22
2784	2,486609E+22	2,557928E+22	2,564500E+22	2,564514E+22	2,557978E+22	2,486673E+22	2,316097E+22	2,092002E+22	1,928022E+22	1,928020E+22	2,092000E+22	2,316093E+22
2785	2,486664E+22	2,557986E+22	2,564538E+22	2,564506E+22	2,557883E+22	2,486550E+22	2,316025E+22	2,091972E+22	1,928003E+22	1,927999E+22	2,091971E+22	2,316051E+22
2786	2,486602E+22	2,557891E+22	2,564425E+22	2,564443E+22	2,557902E+22	2,486593E+22	2,316064E+22	2,092006E+22	1,928025E+22	1,928007E+22	2,091964E+22	2,316035E+22
2787	2,486613E+22	2,557977E+22	2,564559E+22	2,564562E+22	2,558000E+22	2,486652E+22	2,316058E+22	2,091964E+22	1,927991E+22	1,928003E+22	2,091983E+22	2,316049E+22
2788	2,486592E+22	2,557923E+22	2,564502E+22	2,564482E+22	2,557886E+22	2,486576E+22	2,316034E+22	2,091965E+22	1,927997E+22	1,928001E+22	2,091977E+22	2,316039E+22
2789	2,486561E+22	2,557855E+22	2,564432E+22	2,564481E+22	2,557951E+22	2,486654E+22	2,316108E+22	2,092018E+22	1,928027E+22	1,928016E+22	2,091985E+22	2,316069E+22
2790	2,486646E+22	2,557978E+22	2,564530E+22	2,564539E+22	2,557975E+22	2,486627E+22	2,316060E+22	2,091995E+22	1,928041E+22	1,928053E+22	2,092011E+22	2,316060E+22
2791	2,486597E+22	2,557906E+22	2,564436E+22	2,564403E+22	2,557851E+22	2,486574E+22	2,316071E+22	2,092046E+22	1,928093E+22	1,928078E+22	2,092018E+22	2,316056E+22
2792	2,486588E+22	2,557916E+22	2,564505E+22	2,564518E+22	2,557956E+22	2,486648E+22	2,316109E+22	2,092057E+22	1,928107E+22	1,928104E+22	2,092049E+22	2,316096E+22
2793	2,486645E+22	2,557984E+22	2,564573E+22	2,564565E+22	2,557930E+22	2,486560E+22	2,316032E+22	2,092027E+22	1,928117E+22	1,928136E+22	2,092079E+22	2,316100E+22
2794	2,486597E+22	2,557878E+22	2,564428E+22	2,564450E+22	2,557909E+22	2,486602E+22	2,316088E+22	2,092078E+22	1,928158E+22	1,928161E+22	2,092089E+22	2,316104E+22
2795	2,486627E+22	2,557964E+22	2,564552E+22	2,564562E+22	2,558007E+22	2,486687E+22	2,316133E+22	2,092082E+22	1,928146E+22	1,928156E+22	2,092096E+22	2,316119E+22
2796	2,486642E+22	2,557967E+22	2,564542E+22	2,564516E+22	2,557896E+22	2,486579E+22	2,316089E+22	2,092093E+22	1,928173E+22	1,928166E+22	2,092078E+22	2,316083E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2797	2,486592E+22	2,557898E+22	2,564465E+22	2,564482E+22	2,557926E+22	2,486627E+22	2,316137E+22	2,092138E+22	1,928207E+22	1,928181E+22	2,092075E+22	2,316081E+22
2798	2,486633E+22	2,558001E+22	2,564595E+22	2,564593E+22	2,557999E+22	2,486638E+22	2,316095E+22	2,092091E+22	1,928192E+22	1,928203E+22	2,092104E+22	2,316081E+22
2799	2,486578E+22	2,557906E+22	2,564489E+22	2,564473E+22	2,557881E+22	2,486575E+22	2,316083E+22	2,092096E+22	1,928188E+22	1,928186E+22	2,092097E+22	2,316084E+22
2800	2,486565E+22	2,557868E+22	2,564469E+22	2,564519E+22	2,557973E+22	2,486661E+22	2,316134E+22	2,092096E+22	1,928155E+22	1,928152E+22	2,092083E+22	2,316112E+22
2801	2,486646E+22	2,557973E+22	2,564548E+22	2,564558E+22	2,557961E+22	2,486601E+22	2,316066E+22	2,092045E+22	1,928121E+22	1,928134E+22	2,092078E+22	2,316106E+22
2802	2,486610E+22	2,557892E+22	2,564413E+22	2,564398E+22	2,557863E+22	2,486584E+22	2,316080E+22	2,092062E+22	1,928123E+22	1,928112E+22	2,092045E+22	2,316079E+22
2803	2,486619E+22	2,557958E+22	2,564533E+22	2,564520E+22	2,557951E+22	2,486655E+22	2,316117E+22	2,092046E+22	1,928083E+22	1,928078E+22	2,092025E+22	2,316077E+22
2804	2,486632E+22	2,557974E+22	2,564557E+22	2,564540E+22	2,557897E+22	2,486540E+22	2,316032E+22	2,092014E+22	1,928073E+22	1,928072E+22	2,092013E+22	2,316045E+22
2805	2,486570E+22	2,557879E+22	2,564433E+22	2,564459E+22	2,557914E+22	2,486588E+22	2,316058E+22	2,092027E+22	1,928080E+22	1,928071E+22	2,092011E+22	2,316051E+22
2806	2,486602E+22	2,557960E+22	2,564551E+22	2,564569E+22	2,558015E+22	2,486666E+22	2,316072E+22	2,091995E+22	1,928055E+22	1,928080E+22	2,092036E+22	2,316069E+22
2807	2,486587E+22	2,557903E+22	2,564472E+22	2,564457E+22	2,557877E+22	2,486582E+22	2,316069E+22	2,092023E+22	1,928070E+22	1,928071E+22	2,092028E+22	2,316068E+22
2808	2,486577E+22	2,557863E+22	2,564424E+22	2,564459E+22	2,557925E+22	2,486635E+22	2,316123E+22	2,092072E+22	1,928102E+22	1,928079E+22	2,092015E+22	2,316069E+22
2809	2,486639E+22	2,557990E+22	2,564559E+22	2,564559E+22	2,557962E+22	2,486602E+22	2,316064E+22	2,092046E+22	1,928121E+22	1,928127E+22	2,092059E+22	2,316078E+22
2810	2,486593E+22	2,557903E+22	2,564445E+22	2,564419E+22	2,557852E+22	2,486552E+22	2,316056E+22	2,092070E+22	1,928165E+22	1,928167E+22	2,092082E+22	2,316078E+22
2811	2,486583E+22	2,557916E+22	2,564518E+22	2,564531E+22	2,557958E+22	2,486651E+22	2,316129E+22	2,092093E+22	1,928166E+22	1,928173E+22	2,092098E+22	2,316111E+22
2812	2,486629E+22	2,557962E+22	2,564564E+22	2,564576E+22	2,557947E+22	2,486580E+22	2,316069E+22	2,092081E+22	1,928185E+22	1,928201E+22	2,092120E+22	2,316110E+22
2813	2,486596E+22	2,557887E+22	2,564431E+22	2,564439E+22	2,557895E+22	2,486596E+22	2,316109E+22	2,092129E+22	1,928223E+22	1,928216E+22	2,092115E+22	2,316108E+22
2814	2,486629E+22	2,557977E+22	2,564569E+22	2,564569E+22	2,557999E+22	2,486678E+22	2,316146E+22	2,092135E+22	1,928235E+22	1,928240E+22	2,092131E+22	2,316109E+22
2815	2,486617E+22	2,557955E+22	2,564544E+22	2,564514E+22	2,557886E+22	2,486568E+22	2,316107E+22	2,092149E+22	1,928258E+22	1,928251E+22	2,092132E+22	2,316092E+22
2816	2,486574E+22	2,557882E+22	2,564462E+22	2,564489E+22	2,557927E+22	2,486611E+22	2,316138E+22	2,092175E+22	1,928274E+22	1,928252E+22	2,092122E+22	2,316090E+22
2817	2,486608E+22	2,557977E+22	2,564595E+22	2,564612E+22	2,558016E+22	2,486640E+22	2,316099E+22	2,092120E+22	1,928246E+22	1,928263E+22	2,092161E+22	2,316125E+22
2818	2,486589E+22	2,557888E+22	2,564461E+22	2,564450E+22	2,557872E+22	2,486573E+22	2,316090E+22	2,092119E+22	1,928234E+22	1,928245E+22	2,092150E+22	2,316124E+22
2819	2,486594E+22	2,557889E+22	2,564473E+22	2,564496E+22	2,557937E+22	2,486649E+22	2,316166E+22	2,092144E+22	1,928204E+22	1,928191E+22	2,092104E+22	2,316118E+22
2820	2,486650E+22	2,557985E+22	2,564564E+22	2,564562E+22	2,557946E+22	2,486582E+22	2,316077E+22	2,092094E+22	1,928187E+22	1,928186E+22	2,092095E+22	2,316089E+22
2821	2,486598E+22	2,557915E+22	2,564450E+22	2,564411E+22	2,557847E+22	2,486551E+22	2,316065E+22	2,092085E+22	1,928176E+22	1,928167E+22	2,092071E+22	2,316068E+22
2822	2,486594E+22	2,557956E+22	2,564564E+22	2,564562E+22	2,557976E+22	2,486648E+22	2,316103E+22	2,092065E+22	1,928145E+22	1,928152E+22	2,092069E+22	2,316073E+22
2823	2,486593E+22	2,557934E+22	2,564539E+22	2,564546E+22	2,557923E+22	2,486562E+22	2,316052E+22	2,092047E+22	1,928130E+22	1,928139E+22	2,092067E+22	2,316071E+22
2824	2,486563E+22	2,557849E+22	2,564404E+22	2,564446E+22	2,557923E+22	2,486607E+22	2,316093E+22	2,092074E+22	1,928134E+22	1,928121E+22	2,092044E+22	2,316066E+22
2825	2,486600E+22	2,557949E+22	2,564543E+22	2,564564E+22	2,558011E+22	2,486668E+22	2,316102E+22	2,092056E+22	1,928124E+22	1,928133E+22	2,092074E+22	2,316097E+22
2826	2,486599E+22	2,557903E+22	2,564458E+22	2,564428E+22	2,557846E+22	2,486560E+22	2,316077E+22	2,092075E+22	1,928154E+22	1,928156E+22	2,092080E+22	2,316087E+22
2827	2,486586E+22	2,557885E+22	2,564451E+22	2,564455E+22	2,557886E+22	2,486606E+22	2,316142E+22	2,092127E+22	1,928180E+22	1,928158E+22	2,092064E+22	2,316075E+22
2828	2,486619E+22	2,557979E+22	2,564576E+22	2,564582E+22	2,557965E+22	2,486581E+22	2,316063E+22	2,092089E+22	1,928201E+22	1,928213E+22	2,092116E+22	2,316090E+22
2829	2,486581E+22	2,557904E+22	2,564460E+22	2,564430E+22	2,557856E+22	2,486543E+22	2,316048E+22	2,092089E+22	1,928219E+22	1,928235E+22	2,092135E+22	2,316105E+22
2830	2,486590E+22	2,557920E+22	2,564528E+22	2,564545E+22	2,557972E+22	2,486659E+22	2,316140E+22	2,092127E+22	1,928230E+22	1,928241E+22	2,092140E+22	2,316125E+22
2831	2,486629E+22	2,557956E+22	2,564554E+22	2,564563E+22	2,557945E+22	2,486588E+22	2,316103E+22	2,092144E+22	1,928260E+22	1,928263E+22	2,092154E+22	2,316120E+22
2832	2,486599E+22	2,557893E+22	2,564440E+22	2,564440E+22	2,557885E+22	2,486584E+22	2,316128E+22	2,092188E+22	1,928302E+22	1,928277E+22	2,092135E+22	2,316091E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2833	2,486601E+22	2,557970E+22	2,564595E+22	2,564598E+22	2,558003E+22	2,486664E+22	2,316155E+22	2,092187E+22	1,928312E+22	1,928312E+22	2,092178E+22	2,316119E+22
2834	2,486592E+22	2,557928E+22	2,564536E+22	2,564520E+22	2,557890E+22	2,486559E+22	2,316104E+22	2,092183E+22	1,928333E+22	1,928340E+22	2,092200E+22	2,316118E+22
2835	2,486564E+22	2,557866E+22	2,564458E+22	2,564481E+22	2,557915E+22	2,486617E+22	2,316164E+22	2,092213E+22	1,928330E+22	1,928317E+22	2,092174E+22	2,316114E+22
2836	2,486601E+22	2,557952E+22	2,564575E+22	2,564601E+22	2,558013E+22	2,486647E+22	2,316126E+22	2,092168E+22	1,928307E+22	1,928321E+22	2,092200E+22	2,316142E+22
2837	2,486604E+22	2,557907E+22	2,564466E+22	2,564431E+22	2,557847E+22	2,486553E+22	2,316091E+22	2,092151E+22	1,928285E+22	1,928291E+22	2,092175E+22	2,316136E+22
2838	2,486610E+22	2,557916E+22	2,564501E+22	2,564505E+22	2,557925E+22	2,486626E+22	2,316154E+22	2,092175E+22	1,928272E+22	1,928255E+22	2,092132E+22	2,316112E+22
2839	2,486634E+22	2,557983E+22	2,564578E+22	2,564573E+22	2,557948E+22	2,486573E+22	2,316084E+22	2,092132E+22	1,928249E+22	1,928250E+22	2,092136E+22	2,316097E+22
2840	2,486582E+22	2,557900E+22	2,564461E+22	2,564438E+22	2,557865E+22	2,486543E+22	2,316061E+22	2,092111E+22	1,928226E+22	1,928219E+22	2,092103E+22	2,316070E+22
2841	2,486567E+22	2,557925E+22	2,564561E+22	2,564583E+22	2,558005E+22	2,486668E+22	2,316121E+22	2,092097E+22	1,928190E+22	1,928202E+22	2,092116E+22	2,316106E+22
2842	2,486593E+22	2,557909E+22	2,564507E+22	2,564519E+22	2,557918E+22	2,486577E+22	2,316079E+22	2,092090E+22	1,928186E+22	1,928198E+22	2,092113E+22	2,316099E+22
2843	2,486580E+22	2,557861E+22	2,564402E+22	2,564409E+22	2,557876E+22	2,486597E+22	2,316132E+22	2,092138E+22	1,928204E+22	1,928176E+22	2,092069E+22	2,316068E+22
2844	2,486595E+22	2,557950E+22	2,564550E+22	2,564554E+22	2,557986E+22	2,486644E+22	2,316115E+22	2,092120E+22	1,928215E+22	1,928210E+22	2,092105E+22	2,316087E+22
2845	2,486590E+22	2,557922E+22	2,564488E+22	2,564436E+22	2,557823E+22	2,486518E+22	2,316054E+22	2,092102E+22	1,928225E+22	1,928234E+22	2,092129E+22	2,316095E+22
2846	2,486573E+22	2,557885E+22	2,564480E+22	2,564493E+22	2,557903E+22	2,486585E+22	2,316116E+22	2,092148E+22	1,928254E+22	1,928245E+22	2,092122E+22	2,316090E+22
2847	2,486598E+22	2,557951E+22	2,564568E+22	2,564590E+22	2,557986E+22	2,486599E+22	2,316082E+22	2,092126E+22	1,928262E+22	1,928283E+22	2,092174E+22	2,316122E+22
2848	2,486585E+22	2,557888E+22	2,564453E+22	2,564435E+22	2,557865E+22	2,486554E+22	2,316078E+22	2,092139E+22	1,928278E+22	1,928285E+22	2,092163E+22	2,316113E+22
2849	2,486587E+22	2,557918E+22	2,564535E+22	2,564554E+22	2,557981E+22	2,486670E+22	2,316172E+22	2,092191E+22	1,928304E+22	1,928299E+22	2,092175E+22	2,316138E+22
2850	2,486626E+22	2,557955E+22	2,564552E+22	2,564549E+22	2,557931E+22	2,486585E+22	2,316123E+22	2,092205E+22	1,928352E+22	1,928352E+22	2,092204E+22	2,316127E+22
2851	2,486590E+22	2,557897E+22	2,564462E+22	2,564439E+22	2,557858E+22	2,486572E+22	2,316154E+22	2,092250E+22	1,928389E+22	1,928362E+22	2,092186E+22	2,316095E+22
2852	2,486571E+22	2,557938E+22	2,564591E+22	2,564614E+22	2,558013E+22	2,486658E+22	2,316161E+22	2,092236E+22	1,928397E+22	1,928400E+22	2,092236E+22	2,316136E+22
2853	2,486586E+22	2,557918E+22	2,564526E+22	2,564510E+22	2,557884E+22	2,486550E+22	2,316098E+22	2,092202E+22	1,928385E+22	1,928408E+22	2,092260E+22	2,316160E+22
2854	2,486586E+22	2,557872E+22	2,564460E+22	2,564478E+22	2,557907E+22	2,486607E+22	2,316163E+22	2,092243E+22	1,928386E+22	1,928374E+22	2,092214E+22	2,316138E+22
2855	2,486617E+22	2,557959E+22	2,564570E+22	2,564579E+22	2,557988E+22	2,486635E+22	2,316141E+22	2,092213E+22	1,928365E+22	1,928370E+22	2,092227E+22	2,316154E+22
2856	2,486615E+22	2,557923E+22	2,564491E+22	2,564445E+22	2,557833E+22	2,486529E+22	2,316089E+22	2,092183E+22	1,928337E+22	1,928332E+22	2,092182E+22	2,316115E+22
2857	2,486590E+22	2,557919E+22	2,564537E+22	2,564548E+22	2,557945E+22	2,486620E+22	2,316148E+22	2,092198E+22	1,928316E+22	1,928302E+22	2,092161E+22	2,316112E+22
2858	2,486606E+22	2,557955E+22	2,564570E+22	2,564583E+22	2,557965E+22	2,486583E+22	2,316085E+22	2,092157E+22	1,928304E+22	1,928313E+22	2,092180E+22	2,316109E+22
2859	2,486567E+22	2,557879E+22	2,564453E+22	2,564430E+22	2,557861E+22	2,486569E+22	2,316104E+22	2,092156E+22	1,928278E+22	1,928270E+22	2,092137E+22	2,316080E+22
2860	2,486551E+22	2,557888E+22	2,564531E+22	2,564568E+22	2,558000E+22	2,486679E+22	2,316158E+22	2,092161E+22	1,928264E+22	1,928261E+22	2,092144E+22	2,316109E+22
2861	2,486597E+22	2,557917E+22	2,564501E+22	2,564490E+22	2,557881E+22	2,486555E+22	2,316086E+22	2,092137E+22	1,928261E+22	1,928266E+22	2,092152E+22	2,316112E+22
2862	2,486588E+22	2,557879E+22	2,564426E+22	2,564413E+22	2,557850E+22	2,486561E+22	2,316117E+22	2,092180E+22	1,928291E+22	1,928262E+22	2,092116E+22	2,316072E+22
2863	2,486582E+22	2,557944E+22	2,564560E+22	2,564558E+22	2,557970E+22	2,486621E+22	2,316112E+22	2,092160E+22	1,928292E+22	1,928296E+22	2,092167E+22	2,316110E+22
2864	2,486583E+22	2,557908E+22	2,564502E+22	2,564469E+22	2,557839E+22	2,486505E+22	2,316040E+22	2,092123E+22	1,928282E+22	1,928299E+22	2,092175E+22	2,316113E+22
2865	2,486567E+22	2,557871E+22	2,564488E+22	2,564522E+22	2,557935E+22	2,486607E+22	2,316126E+22	2,092172E+22	1,928298E+22	1,928300E+22	2,092176E+22	2,316129E+22
2866	2,486609E+22	2,557941E+22	2,564551E+22	2,564575E+22	2,557986E+22	2,486619E+22	2,316116E+22	2,092179E+22	1,928328E+22	1,928346E+22	2,092217E+22	2,316146E+22
2867	2,486602E+22	2,557907E+22	2,564469E+22	2,564422E+22	2,557835E+22	2,486558E+22	2,316124E+22	2,092213E+22	1,928361E+22	1,928348E+22	2,092186E+22	2,316104E+22
2868	2,486570E+22	2,557909E+22	2,564546E+22	2,564563E+22	2,557973E+22	2,486663E+22	2,316196E+22	2,092265E+22	1,928407E+22	1,928387E+22	2,092207E+22	2,316118E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2869	2,486603E+22	2,557958E+22	2,564570E+22	2,564560E+22	2,557918E+22	2,486562E+22	2,316116E+22	2,092243E+22	1,928435E+22	1,928443E+22	2,092263E+22	2,316138E+22
2870	2,486572E+22	2,557883E+22	2,564472E+22	2,564460E+22	2,557865E+22	2,486558E+22	2,316140E+22	2,092282E+22	1,928469E+22	1,928451E+22	2,092251E+22	2,316120E+22
2871	2,486560E+22	2,557906E+22	2,564563E+22	2,564599E+22	2,558012E+22	2,486670E+22	2,316183E+22	2,092277E+22	1,928458E+22	1,928468E+22	2,092295E+22	2,316178E+22
2872	2,486605E+22	2,557909E+22	2,564516E+22	2,564508E+22	2,557873E+22	2,486540E+22	2,316108E+22	2,092237E+22	1,928433E+22	1,928448E+22	2,092282E+22	2,316173E+22
2873	2,486600E+22	2,557886E+22	2,564472E+22	2,564485E+22	2,557903E+22	2,486599E+22	2,316169E+22	2,092278E+22	1,928435E+22	1,928418E+22	2,092243E+22	2,316150E+22
2874	2,486621E+22	2,557970E+22	2,564582E+22	2,564574E+22	2,557970E+22	2,486626E+22	2,316148E+22	2,092250E+22	1,928428E+22	1,928432E+22	2,092260E+22	2,316153E+22
2875	2,486605E+22	2,557932E+22	2,564522E+22	2,564461E+22	2,557817E+22	2,486522E+22	2,316104E+22	2,092223E+22	1,928397E+22	1,928389E+22	2,092210E+22	2,316104E+22
2876	2,486553E+22	2,557885E+22	2,564533E+22	2,564572E+22	2,557969E+22	2,486632E+22	2,316160E+22	2,092238E+22	1,928384E+22	1,928367E+22	2,092192E+22	2,316107E+22
2877	2,486592E+22	2,557940E+22	2,564554E+22	2,564573E+22	2,557965E+22	2,486592E+22	2,316094E+22	2,092180E+22	1,928352E+22	1,928370E+22	2,092224E+22	2,316132E+22
2878	2,486575E+22	2,557874E+22	2,564444E+22	2,564421E+22	2,557845E+22	2,486559E+22	2,316113E+22	2,092203E+22	1,928347E+22	1,928329E+22	2,092172E+22	2,316095E+22
2879	2,486555E+22	2,557883E+22	2,564513E+22	2,564539E+22	2,557966E+22	2,486664E+22	2,316177E+22	2,092218E+22	1,928341E+22	1,928328E+22	2,092181E+22	2,316121E+22
2880	2,486599E+22	2,557918E+22	2,564517E+22	2,564502E+22	2,557857E+22	2,486518E+22	2,316074E+22	2,092171E+22	1,928328E+22	1,928331E+22	2,092184E+22	2,316108E+22
2881	2,486573E+22	2,557879E+22	2,564454E+22	2,564453E+22	2,557865E+22	2,486547E+22	2,316100E+22	2,092197E+22	1,928344E+22	1,928331E+22	2,092175E+22	2,316094E+22
2882	2,486569E+22	2,557928E+22	2,564557E+22	2,564568E+22	2,557981E+22	2,486628E+22	2,316114E+22	2,092185E+22	1,928352E+22	1,928370E+22	2,092227E+22	2,316140E+22
2883	2,486588E+22	2,557903E+22	2,564505E+22	2,564470E+22	2,557840E+22	2,486533E+22	2,316081E+22	2,092170E+22	1,928340E+22	1,928355E+22	2,092210E+22	2,316126E+22
2884	2,486564E+22	2,557857E+22	2,564477E+22	2,564524E+22	2,557943E+22	2,486628E+22	2,316170E+22	2,092244E+22	1,928382E+22	1,928363E+22	2,092196E+22	2,316123E+22
2885	2,486615E+22	2,557959E+22	2,564555E+22	2,564561E+22	2,557963E+22	2,486613E+22	2,316135E+22	2,092237E+22	1,928415E+22	1,928424E+22	2,092256E+22	2,316151E+22
2886	2,486600E+22	2,557919E+22	2,564495E+22	2,564439E+22	2,557820E+22	2,486534E+22	2,316129E+22	2,092276E+22	1,928464E+22	1,928443E+22	2,092239E+22	2,316107E+22
2887	2,486546E+22	2,557888E+22	2,564541E+22	2,564566E+22	2,557960E+22	2,486646E+22	2,316204E+22	2,092319E+22	1,928498E+22	1,928485E+22	2,092277E+22	2,316141E+22
2888	2,486587E+22	2,557927E+22	2,564567E+22	2,564580E+22	2,557923E+22	2,486549E+22	2,316107E+22	2,092269E+22	1,928499E+22	1,928519E+22	2,092319E+22	2,316165E+22
2889	2,486573E+22	2,557872E+22	2,564468E+22	2,564471E+22	2,557879E+22	2,486568E+22	2,316145E+22	2,092298E+22	1,928506E+22	1,928507E+22	2,092309E+22	2,316162E+22
2890	2,486580E+22	2,557909E+22	2,564546E+22	2,564569E+22	2,557983E+22	2,486664E+22	2,316201E+22	2,092318E+22	1,928515E+22	1,928521E+22	2,092330E+22	2,316200E+22
2891	2,486630E+22	2,557941E+22	2,564539E+22	2,564499E+22	2,557841E+22	2,486531E+22	2,316131E+22	2,092288E+22	1,928495E+22	1,928493E+22	2,092290E+22	2,316156E+22
2892	2,486586E+22	2,557891E+22	2,564498E+22	2,564512E+22	2,557905E+22	2,486588E+22	2,316175E+22	2,092322E+22	1,928508E+22	1,928479E+22	2,092254E+22	2,316119E+22
2893	2,486596E+22	2,557973E+22	2,564601E+22	2,564596E+22	2,557973E+22	2,486613E+22	2,316139E+22	2,092271E+22	1,928484E+22	1,928498E+22	2,092300E+22	2,316152E+22
2894	2,486577E+22	2,557911E+22	2,564529E+22	2,564491E+22	2,557838E+22	2,486525E+22	2,316104E+22	2,092252E+22	1,928459E+22	1,928454E+22	2,092254E+22	2,316113E+22
2895	2,486528E+22	2,557842E+22	2,564491E+22	2,564552E+22	2,557968E+22	2,486653E+22	2,316196E+22	2,092284E+22	1,928443E+22	1,928428E+22	2,092239E+22	2,316129E+22
2896	2,486588E+22	2,557915E+22	2,564532E+22	2,564564E+22	2,557949E+22	2,486584E+22	2,316112E+22	2,092225E+22	1,928411E+22	1,928420E+22	2,092250E+22	2,316140E+22
2897	2,486581E+22	2,557881E+22	2,564446E+22	2,564418E+22	2,557833E+22	2,486547E+22	2,316117E+22	2,092236E+22	1,928404E+22	1,928392E+22	2,092220E+22	2,316114E+22
2898	2,486559E+22	2,557890E+22	2,564515E+22	2,564524E+22	2,557931E+22	2,486639E+22	2,316180E+22	2,092259E+22	1,928414E+22	1,928407E+22	2,092236E+22	2,316141E+22
2899	2,486604E+22	2,557933E+22	2,564542E+22	2,564514E+22	2,557844E+22	2,486505E+22	2,316078E+22	2,092204E+22	1,928391E+22	1,928399E+22	2,092229E+22	2,316120E+22
2900	2,486559E+22	2,557861E+22	2,564456E+22	2,564480E+22	2,557892E+22	2,486560E+22	2,316108E+22	2,092228E+22	1,928407E+22	1,928399E+22	2,092214E+22	2,316106E+22
2901	2,486577E+22	2,557934E+22	2,564554E+22	2,564566E+22	2,557981E+22	2,486640E+22	2,316132E+22	2,092214E+22	1,928403E+22	1,928429E+22	2,092272E+22	2,316165E+22
2902	2,486604E+22	2,557919E+22	2,564516E+22	2,564478E+22	2,557830E+22	2,486525E+22	2,316103E+22	2,092233E+22	1,928421E+22	1,928417E+22	2,092239E+22	2,316127E+22
2903	2,486559E+22	2,557858E+22	2,564473E+22	2,564511E+22	2,557922E+22	2,486623E+22	2,316202E+22	2,092317E+22	1,928478E+22	1,928445E+22	2,092233E+22	2,316116E+22
2904	2,486594E+22	2,557950E+22	2,564576E+22	2,564588E+22	2,557953E+22	2,486585E+22	2,316133E+22	2,092282E+22	1,928499E+22	1,928505E+22	2,092294E+22	2,316140E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2905	2,486569E+22	2,557902E+22	2,564507E+22	2,564473E+22	2,557837E+22	2,486525E+22	2,316122E+22	2,092303E+22	1,928530E+22	1,928530E+22	2,092312E+22	2,316133E+22
2906	2,486528E+22	2,557859E+22	2,564519E+22	2,564556E+22	2,557957E+22	2,486651E+22	2,316218E+22	2,092356E+22	1,928567E+22	1,928567E+22	2,092347E+22	2,316182E+22
2907	2,486597E+22	2,557922E+22	2,564557E+22	2,564562E+22	2,557907E+22	2,486560E+22	2,316139E+22	2,092314E+22	1,928558E+22	1,928577E+22	2,092360E+22	2,316185E+22
2908	2,486580E+22	2,557870E+22	2,564462E+22	2,564468E+22	2,557876E+22	2,486571E+22	2,316170E+22	2,092352E+22	1,928579E+22	1,928566E+22	2,092327E+22	2,316161E+22
2909	2,486596E+22	2,557941E+22	2,564563E+22	2,564561E+22	2,557957E+22	2,486644E+22	2,316204E+22	2,092353E+22	1,928580E+22	1,928585E+22	2,092362E+22	2,316201E+22
2910	2,486627E+22	2,557960E+22	2,564575E+22	2,564530E+22	2,557836E+22	2,486503E+22	2,316127E+22	2,092331E+22	1,928571E+22	1,928561E+22	2,092324E+22	2,316147E+22
2911	2,486555E+22	2,557870E+22	2,564496E+22	2,564528E+22	2,557914E+22	2,486586E+22	2,316184E+22	2,092362E+22	1,928576E+22	1,928550E+22	2,092302E+22	2,316127E+22
2912	2,486565E+22	2,557933E+22	2,564593E+22	2,564619E+22	2,557990E+22	2,486617E+22	2,316141E+22	2,092289E+22	1,928529E+22	1,928551E+22	2,092339E+22	2,316166E+22
2913	2,486568E+22	2,557889E+22	2,564510E+22	2,564492E+22	2,557853E+22	2,486543E+22	2,316126E+22	2,092275E+22	1,928492E+22	1,928504E+22	2,092308E+22	2,316146E+22
2914	2,486540E+22	2,557836E+22	2,564461E+22	2,564507E+22	2,557929E+22	2,486644E+22	2,316224E+22	2,092337E+22	1,928507E+22	1,928485E+22	2,092278E+22	2,316152E+22
2915	2,486606E+22	2,557938E+22	2,564540E+22	2,564540E+22	2,557909E+22	2,486565E+22	2,316129E+22	2,092274E+22	1,928480E+22	1,928479E+22	2,092274E+22	2,316134E+22
2916	2,486570E+22	2,557887E+22	2,564467E+22	2,564438E+22	2,557831E+22	2,486527E+22	2,316113E+22	2,092272E+22	1,928476E+22	1,928461E+22	2,092246E+22	2,316104E+22
2917	2,486552E+22	2,557903E+22	2,564534E+22	2,564539E+22	2,557926E+22	2,486615E+22	2,316161E+22	2,092273E+22	1,928469E+22	1,928478E+22	2,092289E+22	2,316160E+22
2918	2,486598E+22	2,557930E+22	2,564558E+22	2,564547E+22	2,557865E+22	2,486504E+22	2,316082E+22	2,092237E+22	1,928450E+22	1,928460E+22	2,092273E+22	2,316137E+22
2919	2,486551E+22	2,557842E+22	2,564438E+22	2,564475E+22	2,557896E+22	2,486577E+22	2,316145E+22	2,092281E+22	1,928471E+22	1,928459E+22	2,092252E+22	2,316118E+22
2920	2,486568E+22	2,557920E+22	2,564553E+22	2,564573E+22	2,557972E+22	2,486635E+22	2,316156E+22	2,092268E+22	1,928473E+22	1,928487E+22	2,092294E+22	2,316159E+22
2921	2,486596E+22	2,557925E+22	2,564530E+22	2,564491E+22	2,557834E+22	2,486525E+22	2,316121E+22	2,092278E+22	1,928494E+22	1,928498E+22	2,092292E+22	2,316131E+22
2922	2,486540E+22	2,557850E+22	2,564470E+22	2,564497E+22	2,557895E+22	2,486604E+22	2,316217E+22	2,092376E+22	1,928573E+22	1,928544E+22	2,092299E+22	2,316133E+22
2923	2,486578E+22	2,557939E+22	2,564580E+22	2,564592E+22	2,557948E+22	2,486579E+22	2,316142E+22	2,092330E+22	1,928582E+22	1,928593E+22	2,092355E+22	2,316158E+22
2924	2,486553E+22	2,557876E+22	2,564496E+22	2,564486E+22	2,557858E+22	2,486536E+22	2,316132E+22	2,092338E+22	1,928601E+22	1,928608E+22	2,092363E+22	2,316161E+22
2925	2,486549E+22	2,557868E+22	2,564508E+22	2,564536E+22	2,557936E+22	2,486641E+22	2,316229E+22	2,092388E+22	1,928622E+22	1,928632E+22	2,092400E+22	2,316219E+22
2926	2,486625E+22	2,557949E+22	2,564575E+22	2,564564E+22	2,557888E+22	2,486536E+22	2,316151E+22	2,092370E+22	1,928628E+22	1,928631E+22	2,092387E+22	2,316190E+22
2927	2,486582E+22	2,557883E+22	2,564475E+22	2,564467E+22	2,557859E+22	2,486557E+22	2,316185E+22	2,092404E+22	1,928654E+22	1,928632E+22	2,092356E+22	2,316150E+22
2928	2,486569E+22	2,557935E+22	2,564595E+22	2,564600E+22	2,557958E+22	2,486621E+22	2,316197E+22	2,092381E+22	1,928639E+22	1,928645E+22	2,092389E+22	2,316186E+22
2929	2,486594E+22	2,557943E+22	2,564588E+22	2,564569E+22	2,557875E+22	2,486514E+22	2,316128E+22	2,092346E+22	1,928613E+22	1,928626E+22	2,092380E+22	2,316160E+22
2930	2,486529E+22	2,557834E+22	2,564466E+22	2,564511E+22	2,557918E+22	2,486605E+22	2,316213E+22	2,092404E+22	1,928633E+22	1,928614E+22	2,092353E+22	2,316154E+22
2931	2,486564E+22	2,557916E+22	2,564568E+22	2,564591E+22	2,557980E+22	2,486633E+22	2,316181E+22	2,092342E+22	1,928585E+22	1,928598E+22	2,092367E+22	2,316178E+22
2932	2,486569E+22	2,557881E+22	2,564494E+22	2,564474E+22	2,557843E+22	2,486541E+22	2,316151E+22	2,092333E+22	1,928565E+22	1,928561E+22	2,092327E+22	2,316151E+22
2933	2,486558E+22	2,557864E+22	2,564471E+22	2,564484E+22	2,557886E+22	2,486607E+22	2,316221E+22	2,092373E+22	1,928574E+22	1,928556E+22	2,092324E+22	2,316166E+22
2934	2,486611E+22	2,557959E+22	2,564576E+22	2,564560E+22	2,557888E+22	2,486518E+22	2,316115E+22	2,092313E+22	1,928550E+22	1,928549E+22	2,092319E+22	2,316141E+22
2935	2,486552E+22	2,557876E+22	2,564474E+22	2,564455E+22	2,557840E+22	2,486518E+22	2,316111E+22	2,092300E+22	1,928537E+22	1,928533E+22	2,092299E+22	2,316121E+22
2936	2,486533E+22	2,557880E+22	2,564544E+22	2,564570E+22	2,557947E+22	2,486615E+22	2,316157E+22	2,092282E+22	1,928505E+22	1,928525E+22	2,092324E+22	2,316174E+22
2937	2,486598E+22	2,557924E+22	2,564555E+22	2,564558E+22	2,557888E+22	2,486524E+22	2,316105E+22	2,092263E+22	1,928487E+22	1,928509E+22	2,092316E+22	2,316154E+22
2938	2,486553E+22	2,557842E+22	2,564426E+22	2,564448E+22	2,557872E+22	2,486576E+22	2,316184E+22	2,092352E+22	1,928551E+22	1,928523E+22	2,092286E+22	2,316124E+22
2939	2,486564E+22	2,557927E+22	2,564564E+22	2,564564E+22	2,557954E+22	2,486626E+22	2,316180E+22	2,092333E+22	1,928561E+22	1,928562E+22	2,092324E+22	2,316143E+22
2940	2,486563E+22	2,557910E+22	2,564542E+22	2,564512E+22	2,557844E+22	2,486517E+22	2,316132E+22	2,092334E+22	1,928588E+22	1,928590E+22	2,092337E+22	2,316131E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2941	2,486525E+22	2,557842E+22	2,564471E+22	2,564496E+22	2,557887E+22	2,486587E+22	2,316212E+22	2,092407E+22	1,928647E+22	1,928637E+22	2,092375E+22	2,316169E+22
2942	2,486576E+22	2,557927E+22	2,564579E+22	2,564598E+22	2,557949E+22	2,486570E+22	2,316154E+22	2,092376E+22	1,928654E+22	1,928668E+22	2,092414E+22	2,316191E+22
2943	2,486558E+22	2,557864E+22	2,564477E+22	2,564469E+22	2,557850E+22	2,486541E+22	2,316163E+22	2,092393E+22	1,928671E+22	1,928674E+22	2,092408E+22	2,316184E+22
2944	2,486555E+22	2,557872E+22	2,564522E+22	2,564543E+22	2,557920E+22	2,486617E+22	2,316232E+22	2,092428E+22	1,928685E+22	1,928686E+22	2,092425E+22	2,316222E+22
2945	2,486629E+22	2,557968E+22	2,564603E+22	2,564585E+22	2,557896E+22	2,486531E+22	2,316159E+22	2,092400E+22	1,928686E+22	1,928699E+22	2,092432E+22	2,316193E+22
2946	2,486565E+22	2,557883E+22	2,564490E+22	2,564471E+22	2,557847E+22	2,486545E+22	2,316199E+22	2,092454E+22	1,928728E+22	1,928707E+22	2,092406E+22	2,316160E+22
2947	2,486548E+22	2,557918E+22	2,564598E+22	2,564611E+22	2,557974E+22	2,486631E+22	2,316210E+22	2,092420E+22	1,928702E+22	1,928709E+22	2,092429E+22	2,316191E+22
2948	2,486571E+22	2,557912E+22	2,564572E+22	2,564576E+22	2,557904E+22	2,486542E+22	2,316154E+22	2,092384E+22	1,928672E+22	1,928684E+22	2,092412E+22	2,316177E+22
2949	2,486543E+22	2,557835E+22	2,564446E+22	2,564472E+22	2,557886E+22	2,486595E+22	2,316232E+22	2,092444E+22	1,928688E+22	1,928670E+22	2,092397E+22	2,316184E+22
2950	2,486584E+22	2,557932E+22	2,564575E+22	2,564577E+22	2,557947E+22	2,486600E+22	2,316191E+22	2,092402E+22	1,928658E+22	1,928652E+22	2,092392E+22	2,316182E+22
2951	2,486567E+22	2,557889E+22	2,564506E+22	2,564470E+22	2,557818E+22	2,486512E+22	2,316149E+22	2,092373E+22	1,928634E+22	1,928628E+22	2,092361E+22	2,316146E+22
2952	2,486532E+22	2,557856E+22	2,564505E+22	2,564519E+22	2,557880E+22	2,486564E+22	2,316190E+22	2,092383E+22	1,928621E+22	1,928614E+22	2,092360E+22	2,316168E+22
2953	2,486590E+22	2,557948E+22	2,564594E+22	2,564597E+22	2,557926E+22	2,486527E+22	2,316106E+22	2,092312E+22	1,928580E+22	1,928607E+22	2,092374E+22	2,316160E+22
2954	2,486537E+22	2,557852E+22	2,564459E+22	2,564445E+22	2,557844E+22	2,486537E+22	2,316139E+22	2,092337E+22	1,928586E+22	1,928586E+22	2,092342E+22	2,316145E+22
2955	2,486535E+22	2,557870E+22	2,564529E+22	2,564554E+22	2,557952E+22	2,486637E+22	2,316197E+22	2,092341E+22	1,928567E+22	1,928571E+22	2,092341E+22	2,316172E+22
2956	2,486590E+22	2,557919E+22	2,564552E+22	2,564555E+22	2,557897E+22	2,486539E+22	2,316140E+22	2,092331E+22	1,928572E+22	1,928573E+22	2,092333E+22	2,316149E+22
2957	2,486555E+22	2,557853E+22	2,564435E+22	2,564429E+22	2,557837E+22	2,486551E+22	2,316196E+22	2,092408E+22	1,928641E+22	1,928614E+22	2,092343E+22	2,316138E+22
2958	2,486553E+22	2,557923E+22	2,564583E+22	2,564579E+22	2,557939E+22	2,486592E+22	2,316184E+22	2,092396E+22	1,928655E+22	1,928653E+22	2,092386E+22	2,316160E+22
2959	2,486542E+22	2,557882E+22	2,564533E+22	2,564516E+22	2,557849E+22	2,486511E+22	2,316136E+22	2,092377E+22	1,928670E+22	1,928684E+22	2,092410E+22	2,316165E+22
2960	2,486515E+22	2,557821E+22	2,564473E+22	2,564506E+22	2,557884E+22	2,486574E+22	2,316208E+22	2,092428E+22	1,928699E+22	1,928703E+22	2,092430E+22	2,316206E+22
2961	2,486597E+22	2,557937E+22	2,564583E+22	2,564597E+22	2,557950E+22	2,486574E+22	2,316170E+22	2,092405E+22	1,928701E+22	1,928727E+22	2,092464E+22	2,316218E+22
2962	2,486576E+22	2,557883E+22	2,564487E+22	2,564451E+22	2,557820E+22	2,486527E+22	2,316186E+22	2,092454E+22	1,928748E+22	1,928738E+22	2,092439E+22	2,316190E+22
2963	2,486559E+22	2,557893E+22	2,564551E+22	2,564556E+22	2,557919E+22	2,486609E+22	2,316240E+22	2,092478E+22	1,928761E+22	1,928749E+22	2,092444E+22	2,316199E+22
2964	2,486598E+22	2,557959E+22	2,564625E+22	2,564622E+22	2,557928E+22	2,486540E+22	2,316169E+22	2,092446E+22	1,928761E+22	1,928768E+22	2,092461E+22	2,316187E+22
2965	2,486546E+22	2,557866E+22	2,564491E+22	2,564478E+22	2,557854E+22	2,486548E+22	2,316208E+22	2,092488E+22	1,928792E+22	1,928783E+22	2,092465E+22	2,316185E+22
2966	2,486537E+22	2,557891E+22	2,564588E+22	2,564612E+22	2,557972E+22	2,486630E+22	2,316235E+22	2,092474E+22	1,928766E+22	1,928767E+22	2,092470E+22	2,316209E+22
2967	2,486563E+22	2,557886E+22	2,564543E+22	2,564549E+22	2,557887E+22	2,486546E+22	2,316184E+22	2,092444E+22	1,928744E+22	1,928747E+22	2,092452E+22	2,316191E+22
2968	2,486538E+22	2,557833E+22	2,564455E+22	2,564464E+22	2,557855E+22	2,486562E+22	2,316223E+22	2,092474E+22	1,928745E+22	1,928724E+22	2,092425E+22	2,316190E+22
2969	2,486588E+22	2,557945E+22	2,564594E+22	2,564581E+22	2,557935E+22	2,486578E+22	2,316178E+22	2,092416E+22	1,928707E+22	1,928719E+22	2,092441E+22	2,316191E+22
2970	2,486557E+22	2,557885E+22	2,564517E+22	2,564473E+22	2,557803E+22	2,486490E+22	2,316146E+22	2,092406E+22	1,928694E+22	1,928692E+22	2,092409E+22	2,316167E+22
2971	2,486526E+22	2,557845E+22	2,564508E+22	2,564536E+22	2,557904E+22	2,486572E+22	2,316183E+22	2,092400E+22	1,928664E+22	1,928662E+22	2,092392E+22	2,316178E+22
2972	2,486581E+22	2,557929E+22	2,564586E+22	2,564608E+22	2,557959E+22	2,486562E+22	2,316134E+22	2,092346E+22	1,928625E+22	1,928647E+22	2,092394E+22	2,316176E+22
2973	2,486556E+22	2,557859E+22	2,564454E+22	2,564420E+22	2,557821E+22	2,486537E+22	2,316167E+22	2,092388E+22	1,928646E+22	1,928639E+22	2,092375E+22	2,316161E+22
2974	2,486543E+22	2,557880E+22	2,564541E+22	2,564548E+22	2,557923E+22	2,486614E+22	2,316222E+22	2,092417E+22	1,928654E+22	1,928635E+22	2,092363E+22	2,316160E+22
2975	2,486568E+22	2,557911E+22	2,564560E+22	2,564555E+22	2,557882E+22	2,486525E+22	2,316153E+22	2,092393E+22	1,928669E+22	1,928664E+22	2,092380E+22	2,316141E+22
2976	2,486516E+22	2,557833E+22	2,564458E+22	2,564454E+22	2,557829E+22	2,486518E+22	2,316177E+22	2,092436E+22	1,928713E+22	1,928698E+22	2,092402E+22	2,316155E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2977	2,486539E+22	2,557903E+22	2,564583E+22	2,564595E+22	2,557960E+22	2,486598E+22	2,316182E+22	2,092412E+22	1,928712E+22	1,928737E+22	2,092460E+22	2,316198E+22
2978	2,486543E+22	2,557863E+22	2,564515E+22	2,564498E+22	2,557836E+22	2,486516E+22	2,316163E+22	2,092428E+22	1,928738E+22	1,928753E+22	2,092467E+22	2,316205E+22
2979	2,486537E+22	2,557826E+22	2,564467E+22	2,564495E+22	2,557881E+22	2,486577E+22	2,316226E+22	2,092481E+22	1,928768E+22	1,928759E+22	2,092458E+22	2,316213E+22
2980	2,486605E+22	2,557953E+22	2,564602E+22	2,564607E+22	2,557957E+22	2,486583E+22	2,316195E+22	2,092463E+22	1,928781E+22	1,928790E+22	2,092484E+22	2,316217E+22
2981	2,486583E+22	2,557905E+22	2,564518E+22	2,564455E+22	2,557795E+22	2,486504E+22	2,316193E+22	2,092503E+22	1,928830E+22	1,928821E+22	2,092489E+22	2,316198E+22
2982	2,486544E+22	2,557889E+22	2,564577E+22	2,564588E+22	2,557922E+22	2,486590E+22	2,316249E+22	2,092537E+22	1,928845E+22	1,928826E+22	2,092488E+22	2,316201E+22
2983	2,486567E+22	2,557924E+22	2,564614E+22	2,564635E+22	2,557950E+22	2,486558E+22	2,316182E+22	2,092486E+22	1,928834E+22	1,928847E+22	2,092516E+22	2,316202E+22
2984	2,486521E+22	2,557832E+22	2,564480E+22	2,564476E+22	2,557846E+22	2,486544E+22	2,316214E+22	2,092512E+22	1,928838E+22	1,928837E+22	2,092509E+22	2,316213E+22
2985	2,486549E+22	2,557886E+22	2,564572E+22	2,564594E+22	2,557959E+22	2,486632E+22	2,316253E+22	2,092504E+22	1,928813E+22	1,928822E+22	2,092511E+22	2,316228E+22
2986	2,486573E+22	2,557891E+22	2,564539E+22	2,564520E+22	2,557842E+22	2,486518E+22	2,316195E+22	2,092494E+22	1,928814E+22	1,928808E+22	2,092484E+22	2,316200E+22
2987	2,486542E+22	2,557844E+22	2,564470E+22	2,564471E+22	2,557845E+22	2,486537E+22	2,316207E+22	2,092500E+22	1,928803E+22	1,928781E+22	2,092449E+22	2,316180E+22
2988	2,486569E+22	2,557941E+22	2,564613E+22	2,564613E+22	2,557959E+22	2,486582E+22	2,316174E+22	2,092437E+22	1,928757E+22	1,928770E+22	2,092467E+22	2,316198E+22
2989	2,486555E+22	2,557876E+22	2,564520E+22	2,564479E+22	2,557806E+22	2,486494E+22	2,316149E+22	2,092426E+22	1,928739E+22	1,928747E+22	2,092454E+22	2,316191E+22
2990	2,486528E+22	2,557834E+22	2,564505E+22	2,564542E+22	2,557905E+22	2,486580E+22	2,316217E+22	2,092454E+22	1,928718E+22	1,928703E+22	2,092412E+22	2,316182E+22
2991	2,486575E+22	2,557914E+22	2,564569E+22	2,564595E+22	2,557954E+22	2,486578E+22	2,316171E+22	2,092412E+22	1,928702E+22	1,928707E+22	2,092421E+22	2,316171E+22
2992	2,486537E+22	2,557855E+22	2,564470E+22	2,564422E+22	2,557795E+22	2,486514E+22	2,316172E+22	2,092434E+22	1,928721E+22	1,928709E+22	2,092411E+22	2,316161E+22
2993	2,486534E+22	2,557878E+22	2,564554E+22	2,564557E+22	2,557913E+22	2,486600E+22	2,316223E+22	2,092451E+22	1,928730E+22	1,928727E+22	2,092425E+22	2,316170E+22
2994	2,486547E+22	2,557891E+22	2,564558E+22	2,564555E+22	2,557865E+22	2,486506E+22	2,316157E+22	2,092443E+22	1,928756E+22	1,928760E+22	2,092452E+22	2,316175E+22
2995	2,486515E+22	2,557816E+22	2,564448E+22	2,564463E+22	2,557847E+22	2,486521E+22	2,316169E+22	2,092461E+22	1,928777E+22	1,928772E+22	2,092456E+22	2,316184E+22
2996	2,486548E+22	2,557898E+22	2,564575E+22	2,564594E+22	2,557970E+22	2,486619E+22	2,316207E+22	2,092453E+22	1,928771E+22	1,928791E+22	2,092497E+22	2,316233E+22
2997	2,486581E+22	2,557886E+22	2,564522E+22	2,564484E+22	2,557808E+22	2,486503E+22	2,316182E+22	2,092481E+22	1,928809E+22	1,928816E+22	2,092507E+22	2,316228E+22
2998	2,486558E+22	2,557855E+22	2,564503E+22	2,564511E+22	2,557860E+22	2,486550E+22	2,316240E+22	2,092545E+22	1,928850E+22	1,928823E+22	2,092478E+22	2,316197E+22
2999	2,486582E+22	2,557950E+22	2,564624E+22	2,564629E+22	2,557959E+22	2,486581E+22	2,316207E+22	2,092517E+22	1,928870E+22	1,928876E+22	2,092525E+22	2,316200E+22