

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-3000	2,412102E+22	2,545296E+22	2,589185E+22	2,589168E+22	2,545240E+22	2,412007E+22	2,173987E+22	1,894972E+22	1,700906E+22	1,700927E+22	1,895004E+22	2,173985E+22
-2999	2,411953E+22	2,545135E+22	2,589061E+22	2,589128E+22	2,545267E+22	2,412071E+22	2,174066E+22	1,895043E+22	1,700948E+22	1,700937E+22	1,895007E+22	2,174006E+22
-2998	2,412024E+22	2,545262E+22	2,589150E+22	2,589153E+22	2,545271E+22	2,412059E+22	2,174047E+22	1,895039E+22	1,700971E+22	1,700987E+22	1,895094E+22	2,174112E+22
-2997	2,412072E+22	2,545243E+22	2,589113E+22	2,589102E+22	2,545224E+22	2,412050E+22	2,174068E+22	1,895066E+22	1,700992E+22	1,700976E+22	1,895016E+22	2,173992E+22
-2996	2,411964E+22	2,545159E+22	2,589076E+22	2,589090E+22	2,545201E+22	2,412034E+22	2,174094E+22	1,895133E+22	1,701072E+22	1,701051E+22	1,895084E+22	2,174066E+22
-2995	2,412083E+22	2,545300E+22	2,589177E+22	2,589150E+22	2,545214E+22	2,411993E+22	2,174033E+22	1,895097E+22	1,701076E+22	1,701095E+22	1,895148E+22	2,174090E+22
-2994	2,412014E+22	2,545187E+22	2,589083E+22	2,589105E+22	2,545228E+22	2,412041E+22	2,174072E+22	1,895113E+22	1,701076E+22	1,701068E+22	1,895084E+22	2,174014E+22
-2993	2,411966E+22	2,545196E+22	2,589135E+22	2,589135E+22	2,545223E+22	2,412026E+22	2,174068E+22	1,895121E+22	1,701093E+22	1,701102E+22	1,895161E+22	2,174153E+22
-2992	2,412127E+22	2,545293E+22	2,589168E+22	2,589151E+22	2,545229E+22	2,412015E+22	2,174038E+22	1,895079E+22	1,701057E+22	1,701085E+22	1,895129E+22	2,174063E+22
-2991	2,411995E+22	2,545161E+22	2,589054E+22	2,589091E+22	2,545233E+22	2,412068E+22	2,174110E+22	1,895136E+22	1,701069E+22	1,701041E+22	1,895061E+22	2,174016E+22
-2990	2,412011E+22	2,545266E+22	2,589174E+22	2,589153E+22	2,545244E+22	2,412041E+22	2,174071E+22	1,895112E+22	1,701068E+22	1,701063E+22	1,895119E+22	2,174114E+22
-2989	2,412080E+22	2,545264E+22	2,589159E+22	2,589147E+22	2,545235E+22	2,412030E+22	2,174050E+22	1,895077E+22	1,701032E+22	1,701025E+22	1,895043E+22	2,173984E+22
-2988	2,411939E+22	2,545130E+22	2,589060E+22	2,589107E+22	2,545235E+22	2,412049E+22	2,174078E+22	1,895100E+22	1,701037E+22	1,701024E+22	1,895068E+22	2,174041E+22
-2987	2,412039E+22	2,545266E+22	2,589156E+22	2,589150E+22	2,545243E+22	2,412026E+22	2,174032E+22	1,895046E+22	1,700989E+22	1,701010E+22	1,895109E+22	2,174107E+22
-2986	2,412037E+22	2,545190E+22	2,589069E+22	2,589088E+22	2,545229E+22	2,412052E+22	2,174058E+22	1,895042E+22	1,700955E+22	1,700939E+22	1,894993E+22	2,173989E+22
-2985	2,411973E+22	2,545186E+22	2,589101E+22	2,589094E+22	2,545201E+22	2,412022E+22	2,174048E+22	1,895048E+22	1,700963E+22	1,700953E+22	1,895035E+22	2,174081E+22
-2984	2,412126E+22	2,545327E+22	2,589185E+22	2,589145E+22	2,545210E+22	2,411987E+22	2,173990E+22	1,894994E+22	1,700937E+22	1,700961E+22	1,895040E+22	2,174020E+22
-2983	2,411992E+22	2,545188E+22	2,589073E+22	2,589095E+22	2,545227E+22	2,412038E+22	2,174045E+22	1,895035E+22	1,700948E+22	1,700931E+22	1,894985E+22	2,173966E+22
-2982	2,411962E+22	2,545226E+22	2,589159E+22	2,589159E+22	2,545256E+22	2,412032E+22	2,174024E+22	1,895028E+22	1,700967E+22	1,700973E+22	1,895064E+22	2,174102E+22
-2981	2,412090E+22	2,545264E+22	2,589156E+22	2,589158E+22	2,545253E+22	2,412035E+22	2,174022E+22	1,895016E+22	1,700959E+22	1,700972E+22	1,895033E+22	2,174009E+22
-2980	2,411968E+22	2,545128E+22	2,589027E+22	2,589078E+22	2,545228E+22	2,412058E+22	2,174086E+22	1,895092E+22	1,701013E+22	1,700997E+22	1,895046E+22	2,174026E+22
-2979	2,412030E+22	2,545268E+22	2,589153E+22	2,589128E+22	2,545221E+22	2,412027E+22	2,174067E+22	1,895102E+22	1,701047E+22	1,701048E+22	1,895119E+22	2,174112E+22
-2978	2,412059E+22	2,545231E+22	2,589114E+22	2,589102E+22	2,545209E+22	2,412031E+22	2,174075E+22	1,895117E+22	1,701076E+22	1,701063E+22	1,895065E+22	2,173991E+22
-2977	2,411942E+22	2,545159E+22	2,589096E+22	2,589101E+22	2,545195E+22	2,412012E+22	2,174077E+22	1,895147E+22	1,701123E+22	1,701117E+22	1,895137E+22	2,174090E+22
-2976	2,412079E+22	2,545292E+22	2,589184E+22	2,589163E+22	2,545227E+22	2,411999E+22	2,174030E+22	1,895104E+22	1,701116E+22	1,701157E+22	1,895197E+22	2,174112E+22
-2975	2,412010E+22	2,545166E+22	2,589061E+22	2,589089E+22	2,545223E+22	2,412048E+22	2,174093E+22	1,895148E+22	1,701124E+22	1,701118E+22	1,895124E+22	2,174040E+22
-2974	2,411972E+22	2,545182E+22	2,589111E+22	2,589128E+22	2,545238E+22	2,412044E+22	2,174091E+22	1,895158E+22	1,701137E+22	1,701133E+22	1,895166E+22	2,174150E+22
-2973	2,412129E+22	2,545298E+22	2,589168E+22	2,589145E+22	2,545228E+22	2,412029E+22	2,174072E+22	1,895133E+22	1,701118E+22	1,701124E+22	1,895137E+22	2,174056E+22
-2972	2,411986E+22	2,545158E+22	2,589053E+22	2,589071E+22	2,545199E+22	2,412041E+22	2,174114E+22	1,895175E+22	1,701133E+22	1,701106E+22	1,895101E+22	2,174018E+22
-2971	2,411980E+22	2,545236E+22	2,589171E+22	2,589152E+22	2,545223E+22	2,412019E+22	2,174077E+22	1,895148E+22	1,701121E+22	1,701120E+22	1,895158E+22	2,174125E+22
-2970	2,412058E+22	2,545222E+22	2,589128E+22	2,589136E+22	2,545237E+22	2,412036E+22	2,174059E+22	1,895101E+22	1,701079E+22	1,701086E+22	1,895094E+22	2,174008E+22
-2969	2,411941E+22	2,545124E+22	2,589044E+22	2,589076E+22	2,545209E+22	2,412035E+22	2,174074E+22	1,895105E+22	1,701054E+22	1,701051E+22	1,895095E+22	2,174070E+22
-2968	2,412070E+22	2,545283E+22	2,589155E+22	2,589130E+22	2,545221E+22	2,412014E+22	2,174031E+22	1,895058E+22	1,701018E+22	1,701042E+22	1,895120E+22	2,174106E+22
-2967	2,412047E+22	2,545206E+22	2,589077E+22	2,589068E+22	2,545194E+22	2,412026E+22	2,174061E+22	1,895077E+22	1,701006E+22	1,700984E+22	1,895013E+22	2,173983E+22
-2966	2,411958E+22	2,545179E+22	2,589113E+22	2,589121E+22	2,545217E+22	2,412014E+22	2,174043E+22	1,895071E+22	1,701009E+22	1,700996E+22	1,895048E+22	2,174067E+22
-2965	2,412101E+22	2,545311E+22	2,589195E+22	2,589174E+22	2,545242E+22	2,412007E+22	2,174006E+22	1,895026E+22	1,700987E+22	1,701010E+22	1,895072E+22	2,174029E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2964	2,411976E+22	2,545161E+22	2,589055E+22	2,589079E+22	2,545221E+22	2,412042E+22	2,174059E+22	1,895065E+22	1,700999E+22	1,700992E+22	1,895038E+22	2,173994E+22
-2963	2,411952E+22	2,545194E+22	2,589138E+22	2,589141E+22	2,545238E+22	2,412038E+22	2,174063E+22	1,895083E+22	1,701024E+22	1,701024E+22	1,895095E+22	2,174116E+22
-2962	2,412090E+22	2,545242E+22	2,589124E+22	2,589129E+22	2,545240E+22	2,412043E+22	2,174057E+22	1,895078E+22	1,701037E+22	1,701043E+22	1,895070E+22	2,174011E+22
-2961	2,411966E+22	2,545144E+22	2,589036E+22	2,589050E+22	2,545186E+22	2,412030E+22	2,174089E+22	1,895132E+22	1,701080E+22	1,701062E+22	1,895084E+22	2,174036E+22
-2960	2,412031E+22	2,545273E+22	2,589171E+22	2,589133E+22	2,545201E+22	2,411998E+22	2,174054E+22	1,895129E+22	1,701118E+22	1,701132E+22	1,895169E+22	2,174117E+22
-2959	2,412039E+22	2,545206E+22	2,589103E+22	2,589098E+22	2,545196E+22	2,412009E+22	2,174068E+22	1,895148E+22	1,701143E+22	1,701143E+22	1,895133E+22	2,174023E+22
-2958	2,411932E+22	2,545125E+22	2,589076E+22	2,589112E+22	2,545220E+22	2,412023E+22	2,174079E+22	1,895162E+22	1,701160E+22	1,701165E+22	1,895177E+22	2,174118E+22
-2957	2,412089E+22	2,545282E+22	2,589170E+22	2,589158E+22	2,545237E+22	2,412024E+22	2,174063E+22	1,895141E+22	1,701155E+22	1,701187E+22	1,895219E+22	2,174133E+22
-2956	2,412028E+22	2,545174E+22	2,589050E+22	2,589056E+22	2,545191E+22	2,412040E+22	2,174114E+22	1,895191E+22	1,701175E+22	1,701162E+22	1,895148E+22	2,174047E+22
-2955	2,411972E+22	2,545189E+22	2,589127E+22	2,589120E+22	2,545206E+22	2,412030E+22	2,174120E+22	1,895215E+22	1,701199E+22	1,701178E+22	1,895175E+22	2,174128E+22
-2954	2,412103E+22	2,545277E+22	2,589166E+22	2,589152E+22	2,545229E+22	2,412027E+22	2,174086E+22	1,895178E+22	1,701188E+22	1,701193E+22	1,895171E+22	2,174040E+22
-2953	2,411955E+22	2,545147E+22	2,589057E+22	2,589070E+22	2,545192E+22	2,412029E+22	2,174106E+22	1,895189E+22	1,701173E+22	1,701159E+22	1,895146E+22	2,174040E+22
-2952	2,411975E+22	2,545214E+22	2,589159E+22	2,589146E+22	2,545219E+22	2,412017E+22	2,174073E+22	1,895156E+22	1,701155E+22	1,701169E+22	1,895197E+22	2,174142E+22
-2951	2,412056E+22	2,545193E+22	2,589092E+22	2,589104E+22	2,545212E+22	2,412027E+22	2,174072E+22	1,895132E+22	1,701118E+22	1,701127E+22	1,895132E+22	2,174034E+22
-2950	2,411955E+22	2,545116E+22	2,589026E+22	2,589067E+22	2,545206E+22	2,412031E+22	2,174080E+22	1,895128E+22	1,701086E+22	1,701075E+22	1,895101E+22	2,174069E+22
-2949	2,412078E+22	2,545299E+22	2,589170E+22	2,589128E+22	2,545208E+22	2,412009E+22	2,174045E+22	1,895093E+22	1,701065E+22	1,701077E+22	1,895133E+22	2,174100E+22
-2948	2,412037E+22	2,545208E+22	2,589090E+22	2,589066E+22	2,545169E+22	2,411996E+22	2,174051E+22	1,895101E+22	1,701060E+22	1,701045E+22	1,895056E+22	2,173989E+22
-2947	2,411935E+22	2,545154E+22	2,589115E+22	2,589131E+22	2,545213E+22	2,412008E+22	2,174053E+22	1,895101E+22	1,701057E+22	1,701048E+22	1,895082E+22	2,174070E+22
-2946	2,412077E+22	2,545268E+22	2,589165E+22	2,589170E+22	2,545258E+22	2,412030E+22	2,174031E+22	1,895061E+22	1,701040E+22	1,701069E+22	1,895115E+22	2,174043E+22
-2945	2,411974E+22	2,545153E+22	2,589039E+22	2,589053E+22	2,545200E+22	2,412040E+22	2,174075E+22	1,895095E+22	1,701039E+22	1,701034E+22	1,895072E+22	2,174019E+22
-2944	2,411970E+22	2,545195E+22	2,589129E+22	2,589118E+22	2,545212E+22	2,412028E+22	2,174075E+22	1,895123E+22	1,701086E+22	1,701082E+22	1,895122E+22	2,174113E+22
-2943	2,412083E+22	2,545238E+22	2,589119E+22	2,589106E+22	2,545203E+22	2,412018E+22	2,174069E+22	1,895132E+22	1,701116E+22	1,701119E+22	1,895118E+22	2,174020E+22
-2942	2,411953E+22	2,545127E+22	2,589037E+22	2,589068E+22	2,545192E+22	2,412015E+22	2,174083E+22	1,895161E+22	1,701142E+22	1,701129E+22	1,895123E+22	2,174041E+22
-2941	2,412022E+22	2,545263E+22	2,589174E+22	2,589147E+22	2,545216E+22	2,412008E+22	2,174066E+22	1,895161E+22	1,701173E+22	1,701192E+22	1,895221E+22	2,174146E+22
-2940	2,412040E+22	2,545193E+22	2,589090E+22	2,589083E+22	2,545182E+22	2,412003E+22	2,174077E+22	1,895177E+22	1,701193E+22	1,701204E+22	1,895188E+22	2,174060E+22
-2939	2,411941E+22	2,545111E+22	2,589063E+22	2,589099E+22	2,545205E+22	2,412030E+22	2,174117E+22	1,895213E+22	1,701211E+22	1,701203E+22	1,895196E+22	2,174123E+22
-2938	2,412095E+22	2,545278E+22	2,589158E+22	2,589144E+22	2,545232E+22	2,412038E+22	2,174101E+22	1,895202E+22	1,701225E+22	1,701243E+22	1,895240E+22	2,174118E+22
-2937	2,412020E+22	2,545194E+22	2,589069E+22	2,589042E+22	2,545156E+22	2,412017E+22	2,174121E+22	1,895230E+22	1,701233E+22	1,701215E+22	1,895173E+22	2,174040E+22
-2936	2,411952E+22	2,545175E+22	2,589136E+22	2,589132E+22	2,545197E+22	2,412008E+22	2,174109E+22	1,895241E+22	1,701263E+22	1,701250E+22	1,895214E+22	2,174117E+22
-2935	2,412065E+22	2,545236E+22	2,589141E+22	2,589143E+22	2,545221E+22	2,412014E+22	2,174082E+22	1,895203E+22	1,701243E+22	1,701262E+22	1,895233E+22	2,174069E+22
-2934	2,411941E+22	2,545102E+22	2,589019E+22	2,589065E+22	2,545201E+22	2,412030E+22	2,174104E+22	1,895198E+22	1,701199E+22	1,701193E+22	1,895178E+22	2,174066E+22
-2933	2,411993E+22	2,545208E+22	2,589136E+22	2,589126E+22	2,545210E+22	2,412024E+22	2,174093E+22	1,895183E+22	1,701182E+22	1,701189E+22	1,895218E+22	2,174166E+22
-2932	2,412079E+22	2,545208E+22	2,589085E+22	2,589069E+22	2,545167E+22	2,411997E+22	2,174074E+22	1,895160E+22	1,701158E+22	1,701161E+22	1,895154E+22	2,174043E+22
-2931	2,411961E+22	2,545129E+22	2,589048E+22	2,589069E+22	2,545178E+22	2,412012E+22	2,174093E+22	1,895163E+22	1,701130E+22	1,701109E+22	1,895109E+22	2,174050E+22
-2930	2,412058E+22	2,545289E+22	2,589180E+22	2,589151E+22	2,545223E+22	2,412012E+22	2,174054E+22	1,895124E+22	1,701118E+22	1,701134E+22	1,895164E+22	2,174085E+22
-2929	2,412011E+22	2,545205E+22	2,589100E+22	2,589076E+22	2,545175E+22	2,411998E+22	2,174051E+22	1,895113E+22	1,701092E+22	1,701090E+22	1,895096E+22	2,174008E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2928	2,411928E+22	2,545129E+22	2,589102E+22	2,589134E+22	2,545223E+22	2,412020E+22	2,174065E+22	1,895127E+22	1,701105E+22	1,701101E+22	1,895117E+22	2,174077E+22
-2927	2,412066E+22	2,545235E+22	2,589125E+22	2,589141E+22	2,545242E+22	2,412036E+22	2,174063E+22	1,895115E+22	1,701102E+22	1,701125E+22	1,895156E+22	2,174064E+22
-2926	2,411980E+22	2,545136E+22	2,589015E+22	2,589038E+22	2,545189E+22	2,412036E+22	2,174095E+22	1,895144E+22	1,701101E+22	1,701085E+22	1,895095E+22	2,174021E+22
-2925	2,411975E+22	2,545203E+22	2,589133E+22	2,589107E+22	2,545186E+22	2,412014E+22	2,174095E+22	1,895178E+22	1,701157E+22	1,701146E+22	1,895164E+22	2,174120E+22
-2924	2,412069E+22	2,545229E+22	2,589119E+22	2,589096E+22	2,545168E+22	2,411978E+22	2,174058E+22	1,895168E+22	1,701189E+22	1,701203E+22	1,895188E+22	2,174049E+22
-2923	2,411944E+22	2,545109E+22	2,589035E+22	2,589069E+22	2,545182E+22	2,412007E+22	2,174090E+22	1,895190E+22	1,701196E+22	1,701192E+22	1,895173E+22	2,174064E+22
-2922	2,412018E+22	2,545239E+22	2,589151E+22	2,589141E+22	2,545223E+22	2,412022E+22	2,174085E+22	1,895194E+22	1,701225E+22	1,701250E+22	1,895263E+22	2,174160E+22
-2921	2,412052E+22	2,545207E+22	2,589089E+22	2,589067E+22	2,545162E+22	2,411997E+22	2,174089E+22	1,895207E+22	1,701233E+22	1,701240E+22	1,895214E+22	2,174076E+22
-2920	2,411959E+22	2,545126E+22	2,589072E+22	2,589095E+22	2,545188E+22	2,412017E+22	2,174125E+22	1,895256E+22	1,701275E+22	1,701255E+22	1,895207E+22	2,174099E+22
-2919	2,412066E+22	2,545264E+22	2,589157E+22	2,589140E+22	2,545213E+22	2,412023E+22	2,174117E+22	1,895257E+22	1,701300E+22	1,701311E+22	1,895276E+22	2,174113E+22
-2918	2,411987E+22	2,545157E+22	2,589063E+22	2,589070E+22	2,545175E+22	2,412012E+22	2,174122E+22	1,895259E+22	1,701289E+22	1,701274E+22	1,895211E+22	2,174042E+22
-2917	2,411931E+22	2,545148E+22	2,589117E+22	2,589132E+22	2,545206E+22	2,412022E+22	2,174126E+22	1,895270E+22	1,701306E+22	1,701300E+22	1,895265E+22	2,174146E+22
-2916	2,412055E+22	2,545207E+22	2,589107E+22	2,589112E+22	2,545195E+22	2,412003E+22	2,174089E+22	1,895227E+22	1,701282E+22	1,701310E+22	1,895286E+22	2,174113E+22
-2915	2,411961E+22	2,545094E+22	2,588995E+22	2,589034E+22	2,545172E+22	2,412025E+22	2,174125E+22	1,895230E+22	1,701233E+22	1,701219E+22	1,895192E+22	2,174075E+22
-2914	2,412009E+22	2,545220E+22	2,589128E+22	2,589106E+22	2,545191E+22	2,412018E+22	2,174109E+22	1,895222E+22	1,701232E+22	1,701229E+22	1,895231E+22	2,174153E+22
-2913	2,412081E+22	2,545242E+22	2,589114E+22	2,589070E+22	2,545136E+22	2,411964E+22	2,174063E+22	1,895180E+22	1,701197E+22	1,701200E+22	1,895175E+22	2,174042E+22
-2912	2,411949E+22	2,545126E+22	2,589067E+22	2,589095E+22	2,545183E+22	2,411993E+22	2,174075E+22	1,895180E+22	1,701180E+22	1,701163E+22	1,895137E+22	2,174037E+22
-2911	2,412018E+22	2,545251E+22	2,589160E+22	2,589154E+22	2,545233E+22	2,412020E+22	2,174065E+22	1,895152E+22	1,701166E+22	1,701188E+22	1,895212E+22	2,174106E+22
-2910	2,411996E+22	2,545162E+22	2,589068E+22	2,589080E+22	2,545192E+22	2,412014E+22	2,174070E+22	1,895138E+22	1,701126E+22	1,701124E+22	1,895121E+22	2,174024E+22
-2909	2,411938E+22	2,545122E+22	2,589074E+22	2,589108E+22	2,545212E+22	2,412035E+22	2,174103E+22	1,895177E+22	1,701153E+22	1,701138E+22	1,895146E+22	2,174093E+22
-2908	2,412069E+22	2,545238E+22	2,589111E+22	2,589103E+22	2,545193E+22	2,412005E+22	2,174074E+22	1,895166E+22	1,701173E+22	1,701187E+22	1,895197E+22	2,174079E+22
-2907	2,411979E+22	2,545137E+22	2,589020E+22	2,589028E+22	2,545154E+22	2,412009E+22	2,174106E+22	1,895191E+22	1,701173E+22	1,701150E+22	1,895127E+22	2,174017E+22
-2906	2,411958E+22	2,545194E+22	2,589135E+22	2,589120E+22	2,545189E+22	2,412004E+22	2,174097E+22	1,895216E+22	1,701230E+22	1,701226E+22	1,895217E+22	2,174127E+22
-2905	2,412059E+22	2,545234E+22	2,589126E+22	2,589097E+22	2,545158E+22	2,411964E+22	2,174050E+22	1,895182E+22	1,701231E+22	1,701260E+22	1,895241E+22	2,174083E+22
-2904	2,411948E+22	2,545097E+22	2,589030E+22	2,589076E+22	2,545186E+22	2,412007E+22	2,174095E+22	1,895218E+22	1,701249E+22	1,701245E+22	1,895206E+22	2,174073E+22
-2903	2,412012E+22	2,545222E+22	2,589128E+22	2,589126E+22	2,545218E+22	2,412031E+22	2,174115E+22	1,895247E+22	1,701289E+22	1,701304E+22	1,895296E+22	2,174172E+22
-2902	2,412050E+22	2,545196E+22	2,589082E+22	2,589070E+22	2,545162E+22	2,411999E+22	2,174111E+22	1,895255E+22	1,701296E+22	1,701290E+22	1,895229E+22	2,174065E+22
-2901	2,411947E+22	2,545126E+22	2,589075E+22	2,589097E+22	2,545180E+22	2,412016E+22	2,174149E+22	1,895310E+22	1,701345E+22	1,701319E+22	1,895249E+22	2,174098E+22
-2900	2,412029E+22	2,545233E+22	2,589141E+22	2,589130E+22	2,545191E+22	2,411995E+22	2,174111E+22	1,895292E+22	1,701369E+22	1,701388E+22	1,895340E+22	2,174142E+22
-2899	2,411972E+22	2,545122E+22	2,589034E+22	2,589050E+22	2,545162E+22	2,412011E+22	2,174134E+22	1,895285E+22	1,701335E+22	1,701327E+22	1,895255E+22	2,174069E+22
-2898	2,411934E+22	2,545125E+22	2,589082E+22	2,589106E+22	2,545197E+22	2,412026E+22	2,174142E+22	1,895298E+22	1,701347E+22	1,701345E+22	1,895300E+22	2,174166E+22
-2897	2,412078E+22	2,545233E+22	2,589100E+22	2,589079E+22	2,545157E+22	2,411979E+22	2,174088E+22	1,895244E+22	1,701307E+22	1,701333E+22	1,895304E+22	2,174133E+22
-2896	2,411986E+22	2,545125E+22	2,589016E+22	2,589034E+22	2,545151E+22	2,411998E+22	2,174114E+22	1,895254E+22	1,701281E+22	1,701253E+22	1,895193E+22	2,174054E+22
-2895	2,411990E+22	2,545221E+22	2,589141E+22	2,589118E+22	2,545186E+22	2,412004E+22	2,174110E+22	1,895253E+22	1,701285E+22	1,701277E+22	1,895254E+22	2,174146E+22
-2894	2,412052E+22	2,545217E+22	2,589122E+22	2,589112E+22	2,545170E+22	2,411969E+22	2,174062E+22	1,895196E+22	1,701234E+22	1,701239E+22	1,895196E+22	2,174040E+22
-2893	2,411930E+22	2,545108E+22	2,589057E+22	2,589106E+22	2,545206E+22	2,412020E+22	2,174103E+22	1,895211E+22	1,701217E+22	1,701204E+22	1,895178E+22	2,174054E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411991E+22	2,545212E+22	2,589125E+22	2,589129E+22	2,545218E+22	2,412021E+22	2,174088E+22	1,895194E+22	1,701217E+22	1,701238E+22	1,895254E+22	2,174138E+22
-2891	2,412004E+22	2,545148E+22	2,589035E+22	2,589042E+22	2,545168E+22	2,412021E+22	2,174106E+22	1,895190E+22	1,701185E+22	1,701170E+22	1,895144E+22	2,174030E+22
-2890	2,411942E+22	2,545125E+22	2,589056E+22	2,589075E+22	2,545180E+22	2,412022E+22	2,174122E+22	1,895231E+22	1,701228E+22	1,701205E+22	1,895176E+22	2,174086E+22
-2889	2,412062E+22	2,545257E+22	2,589124E+22	2,589091E+22	2,545151E+22	2,411960E+22	2,174057E+22	1,895194E+22	1,701235E+22	1,701256E+22	1,895246E+22	2,174100E+22
-2888	2,411974E+22	2,545134E+22	2,589031E+22	2,589045E+22	2,545149E+22	2,411974E+22	2,174073E+22	1,895207E+22	1,701238E+22	1,701223E+22	1,895176E+22	2,174027E+22
-2887	2,411935E+22	2,545163E+22	2,589114E+22	2,589117E+22	2,545194E+22	2,412003E+22	2,174097E+22	1,895238E+22	1,701281E+22	1,701289E+22	1,895273E+22	2,174163E+22
-2886	2,412058E+22	2,545206E+22	2,589109E+22	2,589109E+22	2,545175E+22	2,411975E+22	2,174065E+22	1,895207E+22	1,701268E+22	1,701296E+22	1,895266E+22	2,174102E+22
-2885	2,411966E+22	2,545107E+22	2,589022E+22	2,589064E+22	2,545182E+22	2,412023E+22	2,174134E+22	1,895271E+22	1,701299E+22	1,701285E+22	1,895231E+22	2,174076E+22
-2884	2,411997E+22	2,545219E+22	2,589125E+22	2,589106E+22	2,545186E+22	2,412014E+22	2,174136E+22	1,895306E+22	1,701366E+22	1,701368E+22	1,895328E+22	2,174174E+22
-2883	2,412034E+22	2,545186E+22	2,589081E+22	2,589064E+22	2,545149E+22	2,411996E+22	2,174133E+22	1,895305E+22	1,701370E+22	1,701358E+22	1,895261E+22	2,174056E+22
-2882	2,411920E+22	2,545103E+22	2,589058E+22	2,589094E+22	2,545186E+22	2,412020E+22	2,174162E+22	1,895352E+22	1,701417E+22	1,701397E+22	1,895301E+22	2,174108E+22
-2881	2,412014E+22	2,545223E+22	2,589126E+22	2,589112E+22	2,545173E+22	2,411982E+22	2,174109E+22	1,895310E+22	1,701411E+22	1,701441E+22	1,895392E+22	2,174186E+22
-2880	2,411987E+22	2,545112E+22	2,589019E+22	2,589039E+22	2,545149E+22	2,411994E+22	2,174128E+22	1,895310E+22	1,701383E+22	1,701371E+22	1,895281E+22	2,174084E+22
-2879	2,411941E+22	2,545122E+22	2,589064E+22	2,589082E+22	2,545177E+22	2,412018E+22	2,174156E+22	1,895335E+22	1,701395E+22	1,701386E+22	1,895324E+22	2,174179E+22
-2878	2,412083E+22	2,545239E+22	2,589115E+22	2,589090E+22	2,545148E+22	2,411966E+22	2,174092E+22	1,895271E+22	1,701349E+22	1,701365E+22	1,895308E+22	2,174118E+22
-2877	2,411977E+22	2,545139E+22	2,589042E+22	2,589054E+22	2,545154E+22	2,411995E+22	2,174125E+22	1,895286E+22	1,701324E+22	1,701300E+22	1,895224E+22	2,174047E+22
-2876	2,411949E+22	2,545192E+22	2,589136E+22	2,589124E+22	2,545188E+22	2,411993E+22	2,174105E+22	1,895276E+22	1,701335E+22	1,701335E+22	1,895299E+22	2,174165E+22
-2875	2,412033E+22	2,545179E+22	2,589090E+22	2,589096E+22	2,545178E+22	2,411992E+22	2,174082E+22	1,895218E+22	1,701271E+22	1,701280E+22	1,895225E+22	2,174054E+22
-2874	2,411925E+22	2,545084E+22	2,589017E+22	2,589077E+22	2,545202E+22	2,412036E+22	2,174133E+22	1,895252E+22	1,701266E+22	1,701250E+22	1,895206E+22	2,174067E+22
-2873	2,412002E+22	2,545222E+22	2,589107E+22	2,589087E+22	2,545174E+22	2,411995E+22	2,174093E+22	1,895226E+22	1,701262E+22	1,701277E+22	1,895278E+22	2,174156E+22
-2872	2,412015E+22	2,545160E+22	2,589043E+22	2,589029E+22	2,545133E+22	2,411981E+22	2,174093E+22	1,895227E+22	1,701254E+22	1,701228E+22	1,895165E+22	2,174021E+22
-2871	2,411921E+22	2,545117E+22	2,589062E+22	2,589078E+22	2,545167E+22	2,411998E+22	2,174116E+22	1,895264E+22	1,701294E+22	1,701277E+22	1,895225E+22	2,174100E+22
-2870	2,412042E+22	2,545235E+22	2,589130E+22	2,589117E+22	2,545167E+22	2,411954E+22	2,174049E+22	1,895207E+22	1,701278E+22	1,701310E+22	1,895285E+22	2,174117E+22
-2869	2,411971E+22	2,545128E+22	2,589030E+22	2,589054E+22	2,545167E+22	2,411995E+22	2,174094E+22	1,895234E+22	1,701276E+22	1,701273E+22	1,895225E+22	2,174054E+22
-2868	2,411926E+22	2,545140E+22	2,589090E+22	2,589100E+22	2,545185E+22	2,412005E+22	2,174119E+22	1,895281E+22	1,701337E+22	1,701340E+22	1,895309E+22	2,174191E+22
-2867	2,412072E+22	2,545202E+22	2,589087E+22	2,589080E+22	2,545165E+22	2,411994E+22	2,174106E+22	1,895265E+22	1,701334E+22	1,701345E+22	1,895280E+22	2,174095E+22
-2866	2,411960E+22	2,545112E+22	2,589020E+22	2,589047E+22	2,545164E+22	2,412023E+22	2,174168E+22	1,895340E+22	1,701388E+22	1,701360E+22	1,895261E+22	2,174062E+22
-2865	2,411972E+22	2,545215E+22	2,589131E+22	2,589099E+22	2,545156E+22	2,411981E+22	2,174134E+22	1,895347E+22	1,701439E+22	1,701446E+22	1,895379E+22	2,174189E+22
-2864	2,412016E+22	2,545164E+22	2,589076E+22	2,589068E+22	2,545143E+22	2,411970E+22	2,174115E+22	1,895335E+22	1,701444E+22	1,701438E+22	1,895315E+22	2,174072E+22
-2863	2,411899E+22	2,545066E+22	2,589025E+22	2,589071E+22	2,545177E+22	2,412018E+22	2,174167E+22	1,895377E+22	1,701468E+22	1,701460E+22	1,895358E+22	2,174148E+22
-2862	2,412022E+22	2,545202E+22	2,589109E+22	2,589104E+22	2,545166E+22	2,411979E+22	2,174116E+22	1,895330E+22	1,701441E+22	1,701471E+22	1,895412E+22	2,174208E+22
-2861	2,412017E+22	2,545139E+22	2,589026E+22	2,589028E+22	2,545134E+22	2,411991E+22	2,174146E+22	1,895343E+22	1,701418E+22	1,701402E+22	1,895301E+22	2,174086E+22
-2860	2,411931E+22	2,545126E+22	2,589076E+22	2,589077E+22	2,545151E+22	2,411992E+22	2,174156E+22	1,895369E+22	1,701448E+22	1,701432E+22	1,895343E+22	2,174178E+22
-2859	2,412073E+22	2,545233E+22	2,589124E+22	2,589100E+22	2,545157E+22	2,411974E+22	2,174102E+22	1,895298E+22	1,701396E+22	1,701412E+22	1,895327E+22	2,174104E+22
-2858	2,411949E+22	2,545119E+22	2,589035E+22	2,589060E+22	2,545172E+22	2,412013E+22	2,174142E+22	1,895314E+22	1,701372E+22	1,701354E+22	1,895257E+22	2,174048E+22
-2857	2,411924E+22	2,545165E+22	2,589116E+22	2,589108E+22	2,545179E+22	2,411995E+22	2,174115E+22	1,895294E+22	1,701366E+22	1,701375E+22	1,895334E+22	2,174193E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,412039E+22	2,545161E+22	2,589068E+22	2,589077E+22	2,545165E+22	2,411982E+22	2,174088E+22	1,895253E+22	1,701323E+22	1,701322E+22	1,895245E+22	2,174061E+22
-2855	2,411925E+22	2,545071E+22	2,588986E+22	2,589034E+22	2,545172E+22	2,412028E+22	2,174150E+22	1,895296E+22	1,701325E+22	1,701302E+22	1,895236E+22	2,174079E+22
-2854	2,412000E+22	2,545216E+22	2,589114E+22	2,589084E+22	2,545148E+22	2,411970E+22	2,174093E+22	1,895258E+22	1,701316E+22	1,701327E+22	1,895300E+22	2,174157E+22
-2853	2,412013E+22	2,545168E+22	2,589062E+22	2,589040E+22	2,545123E+22	2,411960E+22	2,174090E+22	1,895254E+22	1,701303E+22	1,701292E+22	1,895217E+22	2,174032E+22
-2852	2,411892E+22	2,545088E+22	2,589054E+22	2,589078E+22	2,545159E+22	2,411980E+22	2,174104E+22	1,895281E+22	1,701345E+22	1,701342E+22	1,895281E+22	2,174135E+22
-2851	2,412044E+22	2,545213E+22	2,589107E+22	2,589101E+22	2,545175E+22	2,411978E+22	2,174069E+22	1,895230E+22	1,701318E+22	1,701356E+22	1,895317E+22	2,174134E+22
-2850	2,411979E+22	2,545125E+22	2,589015E+22	2,589036E+22	2,545165E+22	2,412014E+22	2,174131E+22	1,895285E+22	1,701333E+22	1,701323E+22	1,895247E+22	2,174059E+22
-2849	2,411934E+22	2,545153E+22	2,589089E+22	2,589076E+22	2,545155E+22	2,411993E+22	2,174138E+22	1,895331E+22	1,701400E+22	1,701392E+22	1,895330E+22	2,174192E+22
-2848	2,412070E+22	2,545209E+22	2,589103E+22	2,589083E+22	2,545146E+22	2,411966E+22	2,174109E+22	1,895322E+22	1,701423E+22	1,701419E+22	1,895306E+22	2,174077E+22
-2847	2,411925E+22	2,545088E+22	2,589016E+22	2,589048E+22	2,545160E+22	2,412015E+22	2,174178E+22	1,895390E+22	1,701471E+22	1,701449E+22	1,895321E+22	2,174078E+22
-2846	2,411942E+22	2,545173E+22	2,589125E+22	2,589113E+22	2,545163E+22	2,411980E+22	2,174137E+22	1,895373E+22	1,701494E+22	1,701512E+22	1,895430E+22	2,174213E+22
-2845	2,412014E+22	2,545147E+22	2,589064E+22	2,589064E+22	2,545145E+22	2,411981E+22	2,174136E+22	1,895364E+22	1,701484E+22	1,701495E+22	1,895375E+22	2,174108E+22
-2844	2,411901E+22	2,545046E+22	2,588999E+22	2,589045E+22	2,545155E+22	2,412008E+22	2,174179E+22	1,895411E+22	1,701517E+22	1,701510E+22	1,895397E+22	2,174182E+22
-2843	2,412049E+22	2,545210E+22	2,589092E+22	2,589068E+22	2,545147E+22	2,411986E+22	2,174137E+22	1,895366E+22	1,701489E+22	1,701509E+22	1,895422E+22	2,174198E+22
-2842	2,412017E+22	2,545155E+22	2,589044E+22	2,589025E+22	2,545120E+22	2,411984E+22	2,174161E+22	1,895386E+22	1,701478E+22	1,701456E+22	1,895319E+22	2,174071E+22
-2841	2,411915E+22	2,545125E+22	2,589089E+22	2,589084E+22	2,545136E+22	2,411964E+22	2,174142E+22	1,895387E+22	1,701492E+22	1,701481E+22	1,895375E+22	2,174182E+22
-2840	2,412054E+22	2,545207E+22	2,589117E+22	2,589110E+22	2,545164E+22	2,411961E+22	2,174091E+22	1,895317E+22	1,701442E+22	1,701460E+22	1,895357E+22	2,174108E+22
-2839	2,411925E+22	2,545079E+22	2,589002E+22	2,589039E+22	2,545172E+22	2,412027E+22	2,174161E+22	1,895341E+22	1,701410E+22	1,701398E+22	1,895298E+22	2,174075E+22
-2838	2,411923E+22	2,545134E+22	2,589092E+22	2,589090E+22	2,545164E+22	2,411996E+22	2,174133E+22	1,895321E+22	1,701396E+22	1,701400E+22	1,895347E+22	2,174200E+22
-2837	2,412055E+22	2,545177E+22	2,589070E+22	2,589056E+22	2,545139E+22	2,411975E+22	2,174107E+22	1,895289E+22	1,701364E+22	1,701365E+22	1,895274E+22	2,174061E+22
-2836	2,411913E+22	2,545067E+22	2,588991E+22	2,589021E+22	2,545136E+22	2,411993E+22	2,174143E+22	1,895328E+22	1,701385E+22	1,701362E+22	1,895270E+22	2,174088E+22
-2835	2,411999E+22	2,545209E+22	2,589112E+22	2,589080E+22	2,545148E+22	2,411970E+22	2,174093E+22	1,895281E+22	1,701367E+22	1,701384E+22	1,895333E+22	2,174157E+22
-2834	2,412002E+22	2,545159E+22	2,589065E+22	2,589049E+22	2,545135E+22	2,411971E+22	2,174103E+22	1,895283E+22	1,701355E+22	1,701352E+22	1,895260E+22	2,174048E+22
-2833	2,411889E+22	2,545074E+22	2,589046E+22	2,589072E+22	2,545151E+22	2,411978E+22	2,174115E+22	1,895307E+22	1,701385E+22	1,701387E+22	1,895318E+22	2,174162E+22
-2832	2,412058E+22	2,545208E+22	2,589099E+22	2,589095E+22	2,545169E+22	2,411974E+22	2,174087E+22	1,895282E+22	1,701383E+22	1,701405E+22	1,895337E+22	2,174131E+22
-2831	2,411973E+22	2,545119E+22	2,589004E+22	2,589012E+22	2,545147E+22	2,412019E+22	2,174165E+22	1,895347E+22	1,701412E+22	1,701393E+22	1,895283E+22	2,174058E+22
-2830	2,411911E+22	2,545133E+22	2,589101E+22	2,589084E+22	2,545139E+22	2,411979E+22	2,174152E+22	1,895381E+22	1,701476E+22	1,701464E+22	1,895366E+22	2,174185E+22
-2829	2,412050E+22	2,545197E+22	2,589111E+22	2,589095E+22	2,545145E+22	2,411957E+22	2,174116E+22	1,895361E+22	1,701492E+22	1,701506E+22	1,895379E+22	2,174096E+22
-2828	2,411893E+22	2,545040E+22	2,588984E+22	2,589031E+22	2,545145E+22	2,411999E+22	2,174173E+22	1,895417E+22	1,701534E+22	1,701526E+22	1,895391E+22	2,174126E+22
-2827	2,411955E+22	2,545146E+22	2,589082E+22	2,589076E+22	2,545155E+22	2,411995E+22	2,174155E+22	1,895400E+22	1,701537E+22	1,701561E+22	1,895469E+22	2,174241E+22
-2826	2,412039E+22	2,545154E+22	2,589050E+22	2,589035E+22	2,545122E+22	2,411979E+22	2,174159E+22	1,895406E+22	1,701533E+22	1,701536E+22	1,895396E+22	2,174118E+22
-2825	2,411921E+22	2,545067E+22	2,589006E+22	2,589025E+22	2,545116E+22	2,411978E+22	2,174178E+22	1,895440E+22	1,701560E+22	1,701546E+22	1,895411E+22	2,174182E+22
-2824	2,412053E+22	2,545227E+22	2,589120E+22	2,589085E+22	2,545134E+22	2,411954E+22	2,174129E+22	1,895401E+22	1,701548E+22	1,701557E+22	1,895435E+22	2,174175E+22
-2823	2,411985E+22	2,545137E+22	2,589048E+22	2,589039E+22	2,545131E+22	2,411988E+22	2,174168E+22	1,895414E+22	1,701530E+22	1,701513E+22	1,895358E+22	2,174073E+22
-2822	2,411880E+22	2,545084E+22	2,589087E+22	2,589102E+22	2,545153E+22	2,411978E+22	2,174153E+22	1,895405E+22	1,701524E+22	1,701519E+22	1,895402E+22	2,174188E+22
-2821	2,412045E+22	2,545186E+22	2,589102E+22	2,589107E+22	2,545170E+22	2,411978E+22	2,174117E+22	1,895345E+22	1,701471E+22	1,701499E+22	1,895397E+22	2,174125E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411917E+22	2,545049E+22	2,588964E+22	2,589003E+22	2,545142E+22	2,412017E+22	2,174179E+22	1,895382E+22	1,701459E+22	1,701441E+22	1,895328E+22	2,174097E+22
-2819	2,411942E+22	2,545134E+22	2,589066E+22	2,589046E+22	2,545134E+22	2,411996E+22	2,174153E+22	1,895362E+22	1,701450E+22	1,701445E+22	1,895363E+22	2,174189E+22
-2818	2,412051E+22	2,545187E+22	2,589083E+22	2,589050E+22	2,545112E+22	2,411953E+22	2,174115E+22	1,895332E+22	1,701429E+22	1,701428E+22	1,895307E+22	2,174060E+22
-2817	2,411903E+22	2,545061E+22	2,588999E+22	2,589027E+22	2,545119E+22	2,411957E+22	2,174119E+22	1,895340E+22	1,701430E+22	1,701422E+22	1,895319E+22	2,174109E+22
-2816	2,411996E+22	2,545195E+22	2,589109E+22	2,589091E+22	2,545151E+22	2,411952E+22	2,174079E+22	1,895299E+22	1,701413E+22	1,701436E+22	1,895372E+22	2,174170E+22
-2815	2,411994E+22	2,545136E+22	2,589046E+22	2,589040E+22	2,545140E+22	2,411988E+22	2,174125E+22	1,895314E+22	1,701399E+22	1,701401E+22	1,895302E+22	2,174074E+22
-2814	2,411893E+22	2,545061E+22	2,589044E+22	2,589068E+22	2,545144E+22	2,411983E+22	2,174141E+22	1,895349E+22	1,701431E+22	1,701422E+22	1,895331E+22	2,174157E+22
-2813	2,412061E+22	2,545220E+22	2,589112E+22	2,589094E+22	2,545157E+22	2,411976E+22	2,174118E+22	1,895335E+22	1,701446E+22	1,701466E+22	1,895373E+22	2,174123E+22
-2812	2,411945E+22	2,545098E+22	2,589003E+22	2,589010E+22	2,545126E+22	2,411999E+22	2,174176E+22	1,895401E+22	1,701496E+22	1,701476E+22	1,895335E+22	2,174072E+22
-2811	2,411899E+22	2,545104E+22	2,589071E+22	2,589067E+22	2,545141E+22	2,411990E+22	2,174166E+22	1,895420E+22	1,701545E+22	1,701541E+22	1,895418E+22	2,174191E+22
-2810	2,412032E+22	2,545174E+22	2,589095E+22	2,589085E+22	2,545143E+22	2,411965E+22	2,174136E+22	1,895401E+22	1,701555E+22	1,701577E+22	1,895436E+22	2,174129E+22
-2809	2,411904E+22	2,545025E+22	2,588962E+22	2,589008E+22	2,545118E+22	2,411979E+22	2,174175E+22	1,895443E+22	1,701579E+22	1,701576E+22	1,895435E+22	2,174164E+22
-2808	2,411985E+22	2,545153E+22	2,589070E+22	2,589057E+22	2,545127E+22	2,411967E+22	2,174159E+22	1,895444E+22	1,701595E+22	1,701604E+22	1,895487E+22	2,174241E+22
-2807	2,412044E+22	2,545166E+22	2,589055E+22	2,589023E+22	2,545101E+22	2,411971E+22	2,174176E+22	1,895451E+22	1,701595E+22	1,701591E+22	1,895424E+22	2,174115E+22
-2806	2,411902E+22	2,545064E+22	2,589038E+22	2,589048E+22	2,545105E+22	2,411960E+22	2,174180E+22	1,895472E+22	1,701611E+22	1,701593E+22	1,895430E+22	2,174164E+22
-2805	2,412027E+22	2,545217E+22	2,589136E+22	2,589112E+22	2,545150E+22	2,411957E+22	2,174134E+22	1,895422E+22	1,701590E+22	1,701616E+22	1,895483E+22	2,174178E+22
-2804	2,411946E+22	2,545089E+22	2,589019E+22	2,589032E+22	2,545132E+22	2,411991E+22	2,174176E+22	1,895438E+22	1,701574E+22	1,701566E+22	1,895404E+22	2,174103E+22
-2803	2,411885E+22	2,545049E+22	2,589030E+22	2,589064E+22	2,545152E+22	2,412004E+22	2,174180E+22	1,895434E+22	1,701559E+22	1,701553E+22	1,895424E+22	2,174194E+22
-2802	2,412051E+22	2,545184E+22	2,589082E+22	2,589078E+22	2,545147E+22	2,411978E+22	2,174145E+22	1,895391E+22	1,701522E+22	1,701536E+22	1,895415E+22	2,174133E+22
-2801	2,411930E+22	2,545059E+22	2,588963E+22	2,588979E+22	2,545096E+22	2,411976E+22	2,174171E+22	1,895412E+22	1,701509E+22	1,701485E+22	1,895352E+22	2,174104E+22
-2800	2,411948E+22	2,545146E+22	2,589083E+22	2,589055E+22	2,545109E+22	2,411950E+22	2,174136E+22	1,895394E+22	1,701509E+22	1,701500E+22	1,895392E+22	2,174181E+22
-2799	2,412029E+22	2,545175E+22	2,589086E+22	2,589062E+22	2,545118E+22	2,411950E+22	2,174114E+22	1,895352E+22	1,701477E+22	1,701488E+22	1,895359E+22	2,174077E+22
-2798	2,411881E+22	2,545037E+22	2,589007E+22	2,589047E+22	2,545132E+22	2,411967E+22	2,174127E+22	1,895355E+22	1,701459E+22	1,701458E+22	1,895351E+22	2,174126E+22
-2797	2,412000E+22	2,545190E+22	2,589107E+22	2,589099E+22	2,545165E+22	2,411973E+22	2,174107E+22	1,895327E+22	1,701447E+22	1,701478E+22	1,895410E+22	2,174185E+22
-2796	2,411989E+22	2,545116E+22	2,589016E+22	2,589016E+22	2,545123E+22	2,411989E+22	2,174152E+22	1,895366E+22	1,701462E+22	1,701452E+22	1,895330E+22	2,174086E+22
-2795	2,411902E+22	2,545056E+22	2,589016E+22	2,589036E+22	2,545128E+22	2,411994E+22	2,174173E+22	1,895409E+22	1,701507E+22	1,701485E+22	1,895355E+22	2,174138E+22
-2794	2,412037E+22	2,545214E+22	2,589118E+22	2,589093E+22	2,545137E+22	2,411959E+22	2,174136E+22	1,895395E+22	1,701532E+22	1,701546E+22	1,895419E+22	2,174129E+22
-2793	2,411924E+22	2,545067E+22	2,588986E+22	2,589000E+22	2,545101E+22	2,411965E+22	2,174162E+22	1,895431E+22	1,701564E+22	1,701555E+22	1,895401E+22	2,174105E+22
-2792	2,411900E+22	2,545084E+22	2,589049E+22	2,589054E+22	2,545121E+22	2,411964E+22	2,174162E+22	1,895452E+22	1,701605E+22	1,701606E+22	1,895470E+22	2,174218E+22
-2791	2,412035E+22	2,545160E+22	2,589068E+22	2,589058E+22	2,545124E+22	2,411965E+22	2,174154E+22	1,895437E+22	1,701606E+22	1,701631E+22	1,895482E+22	2,174160E+22
-2790	2,411917E+22	2,545035E+22	2,588972E+22	2,589000E+22	2,545096E+22	2,411967E+22	2,174185E+22	1,895477E+22	1,701622E+22	1,701609E+22	1,895447E+22	2,174163E+22
-2789	2,411996E+22	2,545183E+22	2,589102E+22	2,589072E+22	2,545119E+22	2,411956E+22	2,174167E+22	1,895477E+22	1,701647E+22	1,701656E+22	1,895513E+22	2,174228E+22
-2788	2,412014E+22	2,545150E+22	2,589065E+22	2,589041E+22	2,545100E+22	2,411956E+22	2,174179E+22	1,895489E+22	1,701659E+22	1,701654E+22	1,895460E+22	2,174118E+22
-2787	2,411884E+22	2,545037E+22	2,589014E+22	2,589052E+22	2,545132E+22	2,411986E+22	2,174197E+22	1,895503E+22	1,701663E+22	1,701648E+22	1,895465E+22	2,174156E+22
-2786	2,411992E+22	2,545188E+22	2,589121E+22	2,589112E+22	2,545161E+22	2,411979E+22	2,174167E+22	1,895464E+22	1,701640E+22	1,701663E+22	1,895520E+22	2,174201E+22
-2785	2,411944E+22	2,545059E+22	2,588983E+22	2,589004E+22	2,545111E+22	2,411983E+22	2,174189E+22	1,895470E+22	1,701617E+22	1,701607E+22	1,895438E+22	2,174133E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411907E+22	2,545051E+22	2,589003E+22	2,589027E+22	2,545115E+22	2,411978E+22	2,174191E+22	1,895481E+22	1,701615E+22	1,701594E+22	1,895442E+22	2,174193E+22
-2783	2,412047E+22	2,545191E+22	2,589077E+22	2,589054E+22	2,545115E+22	2,411960E+22	2,174154E+22	1,895431E+22	1,701581E+22	1,701593E+22	1,895450E+22	2,174140E+22
-2782	2,411915E+22	2,545061E+22	2,588989E+22	2,588995E+22	2,545078E+22	2,411943E+22	2,174154E+22	1,895428E+22	1,701552E+22	1,701532E+22	1,895382E+22	2,174107E+22
-2781	2,411936E+22	2,545142E+22	2,589096E+22	2,589079E+22	2,545122E+22	2,411941E+22	2,174122E+22	1,895396E+22	1,701540E+22	1,701553E+22	1,895442E+22	2,174199E+22
-2780	2,412009E+22	2,545143E+22	2,589064E+22	2,589060E+22	2,545122E+22	2,411953E+22	2,174120E+22	1,895370E+22	1,701512E+22	1,701531E+22	1,895400E+22	2,174114E+22
-2779	2,411900E+22	2,545023E+22	2,588963E+22	2,589019E+22	2,545136E+22	2,411993E+22	2,174157E+22	1,895388E+22	1,701495E+22	1,701487E+22	1,895363E+22	2,174120E+22
-2778	2,411994E+22	2,545195E+22	2,589102E+22	2,589083E+22	2,545151E+22	2,411981E+22	2,174146E+22	1,895388E+22	1,701510E+22	1,701518E+22	1,895420E+22	2,174181E+22
-2777	2,411986E+22	2,545117E+22	2,589017E+22	2,589003E+22	2,545090E+22	2,411959E+22	2,174156E+22	1,895414E+22	1,701535E+22	1,701517E+22	1,895362E+22	2,174087E+22
-2776	2,411892E+22	2,545050E+22	2,589011E+22	2,589034E+22	2,545105E+22	2,411959E+22	2,174173E+22	1,895461E+22	1,701588E+22	1,701562E+22	1,895400E+22	2,174135E+22
-2775	2,412002E+22	2,545185E+22	2,589101E+22	2,589090E+22	2,545138E+22	2,411959E+22	2,174145E+22	1,895434E+22	1,701603E+22	1,701628E+22	1,895488E+22	2,174161E+22
-2774	2,411906E+22	2,545044E+22	2,588983E+22	2,589000E+22	2,545092E+22	2,411956E+22	2,174166E+22	1,895457E+22	1,701611E+22	1,701610E+22	1,895448E+22	2,174136E+22
-2773	2,411914E+22	2,545086E+22	2,589044E+22	2,589051E+22	2,545116E+22	2,411962E+22	2,174174E+22	1,895480E+22	1,701650E+22	1,701661E+22	1,895515E+22	2,174240E+22
-2772	2,412039E+22	2,545157E+22	2,589053E+22	2,589037E+22	2,545102E+22	2,411955E+22	2,174170E+22	1,895484E+22	1,701671E+22	1,701687E+22	1,895513E+22	2,174174E+22
-2771	2,411928E+22	2,545045E+22	2,588965E+22	2,588988E+22	2,545091E+22	2,411972E+22	2,174205E+22	1,895523E+22	1,701689E+22	1,701667E+22	1,895467E+22	2,174140E+22
-2770	2,411965E+22	2,545179E+22	2,589122E+22	2,589095E+22	2,545125E+22	2,411954E+22	2,174183E+22	1,895525E+22	1,701718E+22	1,701720E+22	1,895548E+22	2,174232E+22
-2769	2,411990E+22	2,545115E+22	2,589046E+22	2,589044E+22	2,545101E+22	2,411944E+22	2,174172E+22	1,895512E+22	1,701713E+22	1,701717E+22	1,895511E+22	2,174145E+22
-2768	2,411880E+22	2,545010E+22	2,588978E+22	2,589032E+22	2,545121E+22	2,411979E+22	2,174210E+22	1,895539E+22	1,701710E+22	1,701697E+22	1,895502E+22	2,174175E+22
-2767	2,411984E+22	2,545164E+22	2,589084E+22	2,589078E+22	2,545144E+22	2,411986E+22	2,174193E+22	1,895503E+22	1,701686E+22	1,701706E+22	1,895553E+22	2,174222E+22
-2766	2,411947E+22	2,545066E+22	2,588985E+22	2,588982E+22	2,545075E+22	2,411960E+22	2,174195E+22	1,895501E+22	1,701658E+22	1,701638E+22	1,895450E+22	2,174136E+22
-2765	2,411917E+22	2,545078E+22	2,589029E+22	2,589032E+22	2,545095E+22	2,411952E+22	2,174183E+22	1,895499E+22	1,701659E+22	1,701646E+22	1,895472E+22	2,174190E+22
-2764	2,412026E+22	2,545178E+22	2,589077E+22	2,589057E+22	2,545105E+22	2,411937E+22	2,174142E+22	1,895451E+22	1,701630E+22	1,701647E+22	1,895487E+22	2,174155E+22
-2763	2,411911E+22	2,545047E+22	2,588969E+22	2,588997E+22	2,545103E+22	2,411961E+22	2,174158E+22	1,895441E+22	1,701586E+22	1,701573E+22	1,895409E+22	2,174108E+22
-2762	2,411918E+22	2,545131E+22	2,589095E+22	2,589088E+22	2,545136E+22	2,411960E+22	2,174147E+22	1,895428E+22	1,701577E+22	1,701583E+22	1,895462E+22	2,174221E+22
-2761	2,412014E+22	2,545122E+22	2,589037E+22	2,589042E+22	2,545111E+22	2,411948E+22	2,174133E+22	1,895405E+22	1,701556E+22	1,701567E+22	1,895421E+22	2,174129E+22
-2760	2,411914E+22	2,545030E+22	2,588948E+22	2,588992E+22	2,545105E+22	2,411977E+22	2,174182E+22	1,895450E+22	1,701565E+22	1,701539E+22	1,895380E+22	2,174105E+22
-2759	2,411965E+22	2,545187E+22	2,589100E+22	2,589069E+22	2,545127E+22	2,411970E+22	2,174168E+22	1,895447E+22	1,701593E+22	1,701595E+22	1,895462E+22	2,174177E+22
-2758	2,411949E+22	2,545101E+22	2,589031E+22	2,589011E+22	2,545075E+22	2,411931E+22	2,174149E+22	1,895448E+22	1,701604E+22	1,701592E+22	1,895413E+22	2,174100E+22
-2757	2,411876E+22	2,545035E+22	2,589007E+22	2,589040E+22	2,545109E+22	2,411948E+22	2,174161E+22	1,895473E+22	1,701644E+22	1,701643E+22	1,895469E+22	2,174169E+22
-2756	2,411988E+22	2,545147E+22	2,589063E+22	2,589066E+22	2,545127E+22	2,411954E+22	2,174152E+22	1,895462E+22	1,701656E+22	1,701690E+22	1,895544E+22	2,174212E+22
-2755	2,411937E+22	2,545040E+22	2,588947E+22	2,588971E+22	2,545089E+22	2,411966E+22	2,174186E+22	1,895493E+22	1,701660E+22	1,701653E+22	1,895471E+22	2,174144E+22
-2754	2,411922E+22	2,545107E+22	2,589059E+22	2,589048E+22	2,545102E+22	2,411959E+22	2,174199E+22	1,895534E+22	1,701714E+22	1,701705E+22	1,895531E+22	2,174245E+22
-2753	2,412039E+22	2,545161E+22	2,589066E+22	2,589042E+22	2,545084E+22	2,411930E+22	2,174171E+22	1,895525E+22	1,701739E+22	1,701751E+22	1,895544E+22	2,174175E+22
-2752	2,411918E+22	2,545044E+22	2,588970E+22	2,588998E+22	2,545087E+22	2,411958E+22	2,174216E+22	1,895571E+22	1,701758E+22	1,701735E+22	1,895504E+22	2,174131E+22
-2751	2,411920E+22	2,545144E+22	2,589108E+22	2,589097E+22	2,545141E+22	2,411976E+22	2,174209E+22	1,895566E+22	1,701779E+22	1,701788E+22	1,895599E+22	2,174250E+22
-2750	2,411967E+22	2,545089E+22	2,589035E+22	2,589036E+22	2,545098E+22	2,411950E+22	2,174188E+22	1,895541E+22	1,701755E+22	1,701761E+22	1,895546E+22	2,174170E+22
-2749	2,411891E+22	2,545004E+22	2,588956E+22	2,589009E+22	2,545109E+22	2,411977E+22	2,174222E+22	1,895564E+22	1,701753E+22	1,701744E+22	1,895534E+22	2,174190E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411984E+22	2,545154E+22	2,589059E+22	2,589039E+22	2,545108E+22	2,411968E+22	2,174205E+22	1,895545E+22	1,701743E+22	1,701754E+22	1,895580E+22	2,174239E+22
-2747	2,411960E+22	2,545073E+22	2,588978E+22	2,588964E+22	2,545054E+22	2,411941E+22	2,174194E+22	1,895530E+22	1,701708E+22	1,701687E+22	1,895469E+22	2,174120E+22
-2746	2,411891E+22	2,545076E+22	2,589050E+22	2,589051E+22	2,545093E+22	2,411935E+22	2,174177E+22	1,895522E+22	1,701706E+22	1,701692E+22	1,895503E+22	2,174205E+22
-2745	2,412012E+22	2,545152E+22	2,589066E+22	2,589060E+22	2,545106E+22	2,411922E+22	2,174124E+22	1,895455E+22	1,701663E+22	1,701694E+22	1,895527E+22	2,174182E+22
-2744	2,411919E+22	2,545037E+22	2,588948E+22	2,588979E+22	2,545092E+22	2,411960E+22	2,174173E+22	1,895468E+22	1,701618E+22	1,701605E+22	1,895429E+22	2,174114E+22
-2743	2,411908E+22	2,545116E+22	2,589074E+22	2,589069E+22	2,545132E+22	2,411976E+22	2,174180E+22	1,895472E+22	1,701625E+22	1,701621E+22	1,895479E+22	2,174221E+22
-2742	2,412005E+22	2,545130E+22	2,589050E+22	2,589031E+22	2,545088E+22	2,411934E+22	2,174145E+22	1,895446E+22	1,701611E+22	1,701609E+22	1,895433E+22	2,174122E+22
-2741	2,411905E+22	2,545038E+22	2,588966E+22	2,588998E+22	2,545095E+22	2,411959E+22	2,174181E+22	1,895481E+22	1,701632E+22	1,701615E+22	1,895423E+22	2,174102E+22
-2740	2,411928E+22	2,545149E+22	2,589083E+22	2,589064E+22	2,545121E+22	2,411959E+22	2,174171E+22	1,895485E+22	1,701665E+22	1,701677E+22	1,895522E+22	2,174206E+22
-2739	2,411942E+22	2,545072E+22	2,588997E+22	2,588999E+22	2,545087E+22	2,411944E+22	2,174160E+22	1,895477E+22	1,701659E+22	1,701660E+22	1,895465E+22	2,174122E+22
-2738	2,411868E+22	2,545020E+22	2,589000E+22	2,589036E+22	2,545109E+22	2,411957E+22	2,174184E+22	1,895514E+22	1,701697E+22	1,701692E+22	1,895511E+22	2,174212E+22
-2737	2,412011E+22	2,545137E+22	2,589038E+22	2,589038E+22	2,545103E+22	2,411939E+22	2,174159E+22	1,895500E+22	1,701714E+22	1,701744E+22	1,895577E+22	2,174236E+22
-2736	2,411966E+22	2,545067E+22	2,588949E+22	2,588947E+22	2,545053E+22	2,411948E+22	2,174209E+22	1,895552E+22	1,701731E+22	1,701712E+22	1,895493E+22	2,174133E+22
-2735	2,411902E+22	2,545108E+22	2,589076E+22	2,589054E+22	2,545093E+22	2,411953E+22	2,174220E+22	1,895590E+22	1,701793E+22	1,701779E+22	1,895568E+22	2,174236E+22
-2734	2,412003E+22	2,545147E+22	2,589085E+22	2,589061E+22	2,545086E+22	2,411916E+22	2,174169E+22	1,895557E+22	1,701801E+22	1,701817E+22	1,895588E+22	2,174185E+22
-2733	2,411900E+22	2,545024E+22	2,588965E+22	2,589004E+22	2,545100E+22	2,411966E+22	2,174218E+22	1,895588E+22	1,701810E+22	1,701806E+22	1,895561E+22	2,174155E+22
-2732	2,411900E+22	2,545094E+22	2,589060E+22	2,589061E+22	2,545126E+22	2,411981E+22	2,174230E+22	1,895601E+22	1,701829E+22	1,701840E+22	1,895639E+22	2,174281E+22
-2731	2,411985E+22	2,545076E+22	2,588993E+22	2,588997E+22	2,545083E+22	2,411952E+22	2,174209E+22	1,895579E+22	1,701801E+22	1,701800E+22	1,895562E+22	2,174169E+22
-2730	2,411894E+22	2,545021E+22	2,588971E+22	2,588997E+22	2,545080E+22	2,411958E+22	2,174233E+22	1,895606E+22	1,701807E+22	1,701781E+22	1,895548E+22	2,174197E+22
-2729	2,411985E+22	2,545149E+22	2,589063E+22	2,589033E+22	2,545079E+22	2,411927E+22	2,174185E+22	1,895565E+22	1,701795E+22	1,701809E+22	1,895610E+22	2,174244E+22
-2728	2,411961E+22	2,545076E+22	2,588987E+22	2,588971E+22	2,545045E+22	2,411922E+22	2,174189E+22	1,895552E+22	1,701750E+22	1,701737E+22	1,895502E+22	2,174119E+22
-2727	2,411862E+22	2,545052E+22	2,589048E+22	2,589061E+22	2,545109E+22	2,411952E+22	2,174192E+22	1,895542E+22	1,701740E+22	1,701736E+22	1,895539E+22	2,174217E+22
-2726	2,411998E+22	2,545137E+22	2,589066E+22	2,589061E+22	2,545110E+22	2,411931E+22	2,174139E+22	1,895474E+22	1,701689E+22	1,701720E+22	1,895546E+22	2,174196E+22
-2725	2,411931E+22	2,545041E+22	2,588943E+22	2,588969E+22	2,545092E+22	2,411969E+22	2,174189E+22	1,895495E+22	1,701662E+22	1,701651E+22	1,895451E+22	2,174113E+22
-2724	2,411893E+22	2,545094E+22	2,589052E+22	2,589037E+22	2,545107E+22	2,411973E+22	2,174205E+22	1,895525E+22	1,701693E+22	1,701680E+22	1,895506E+22	2,174221E+22
-2723	2,411997E+22	2,545117E+22	2,589037E+22	2,589023E+22	2,545080E+22	2,411924E+22	2,174156E+22	1,895490E+22	1,701681E+22	1,701679E+22	1,895469E+22	2,174114E+22
-2722	2,411875E+22	2,545018E+22	2,588971E+22	2,589007E+22	2,545092E+22	2,411947E+22	2,174183E+22	1,895518E+22	1,701698E+22	1,701682E+22	1,895477E+22	2,174137E+22
-2721	2,411923E+22	2,545109E+22	2,589050E+22	2,589042E+22	2,545105E+22	2,411942E+22	2,174162E+22	1,895504E+22	1,701717E+22	1,701744E+22	1,895582E+22	2,174252E+22
-2720	2,411971E+22	2,545069E+22	2,588974E+22	2,588965E+22	2,545054E+22	2,411934E+22	2,174179E+22	1,895514E+22	1,701706E+22	1,701710E+22	1,895503E+22	2,174140E+22
-2719	2,411876E+22	2,545024E+22	2,588996E+22	2,589018E+22	2,545092E+22	2,411959E+22	2,174212E+22	1,895562E+22	1,701755E+22	1,701743E+22	1,895537E+22	2,174215E+22
-2718	2,412015E+22	2,545164E+22	2,589071E+22	2,589039E+22	2,545082E+22	2,411921E+22	2,174167E+22	1,895542E+22	1,701775E+22	1,701797E+22	1,895597E+22	2,174229E+22
-2717	2,411960E+22	2,545080E+22	2,588980E+22	2,588971E+22	2,545056E+22	2,411937E+22	2,174205E+22	1,895582E+22	1,701801E+22	1,701789E+22	1,895532E+22	2,174122E+22
-2716	2,411860E+22	2,545065E+22	2,589061E+22	2,589060E+22	2,545104E+22	2,411961E+22	2,174236E+22	1,895633E+22	1,701865E+22	1,701856E+22	1,895619E+22	2,174249E+22
-2715	2,411986E+22	2,545109E+22	2,589053E+22	2,589056E+22	2,545103E+22	2,411936E+22	2,174192E+22	1,895594E+22	1,701855E+22	1,701877E+22	1,895631E+22	2,174196E+22
-2714	2,411883E+22	2,544995E+22	2,588947E+22	2,588992E+22	2,545093E+22	2,411974E+22	2,174248E+22	1,895636E+22	1,701863E+22	1,701850E+22	1,895598E+22	2,174190E+22
-2713	2,411912E+22	2,545070E+22	2,589021E+22	2,589019E+22	2,545089E+22	2,411961E+22	2,174239E+22	1,895641E+22	1,701887E+22	1,701893E+22	1,895671E+22	2,174300E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2712	2,412010E+22	2,545094E+22	2,588989E+22	2,588960E+22	2,545028E+22	2,411922E+22	2,174222E+22	1,895624E+22	1,701860E+22	1,701854E+22	1,895588E+22	2,174160E+22
-2711	2,411876E+22	2,545019E+22	2,588986E+22	2,589004E+22	2,545065E+22	2,411938E+22	2,174231E+22	1,895636E+22	1,701863E+22	1,701843E+22	1,895586E+22	2,174195E+22
-2710	2,411965E+22	2,545144E+22	2,589080E+22	2,589050E+22	2,545078E+22	2,411906E+22	2,174163E+22	1,895568E+22	1,701827E+22	1,701854E+22	1,895647E+22	2,174260E+22
-2709	2,411958E+22	2,545066E+22	2,588989E+22	2,588983E+22	2,545061E+22	2,411928E+22	2,174179E+22	1,895547E+22	1,701775E+22	1,701780E+22	1,895539E+22	2,174136E+22
-2708	2,411853E+22	2,545016E+22	2,589014E+22	2,589039E+22	2,545107E+22	2,411969E+22	2,174218E+22	1,895572E+22	1,701773E+22	1,701766E+22	1,895559E+22	2,174230E+22
-2707	2,412011E+22	2,545129E+22	2,589040E+22	2,589041E+22	2,545106E+22	2,411942E+22	2,174169E+22	1,895517E+22	1,701731E+22	1,701748E+22	1,895549E+22	2,174179E+22
-2706	2,411920E+22	2,545048E+22	2,588960E+22	2,588968E+22	2,545074E+22	2,411964E+22	2,174215E+22	1,895549E+22	1,701723E+22	1,701694E+22	1,895471E+22	2,174117E+22
-2705	2,411879E+22	2,545067E+22	2,589039E+22	2,589026E+22	2,545083E+22	2,411946E+22	2,174201E+22	1,895562E+22	1,701763E+22	1,701753E+22	1,895551E+22	2,174228E+22
-2704	2,411991E+22	2,545105E+22	2,589027E+22	2,589009E+22	2,545059E+22	2,411913E+22	2,174167E+22	1,895527E+22	1,701741E+22	1,701750E+22	1,895525E+22	2,174128E+22
-2703	2,411856E+22	2,544992E+22	2,588959E+22	2,589003E+22	2,545091E+22	2,411953E+22	2,174199E+22	1,895552E+22	1,701752E+22	1,701746E+22	1,895530E+22	2,174164E+22
-2702	2,411930E+22	2,545105E+22	2,589044E+22	2,589030E+22	2,545086E+22	2,411930E+22	2,174168E+22	1,895532E+22	1,701760E+22	1,701789E+22	1,895617E+22	2,174278E+22
-2701	2,411999E+22	2,545091E+22	2,588983E+22	2,588960E+22	2,545043E+22	2,411926E+22	2,174183E+22	1,895545E+22	1,701765E+22	1,701770E+22	1,895533E+22	2,174142E+22
-2700	2,411869E+22	2,545020E+22	2,588996E+22	2,589002E+22	2,545068E+22	2,411950E+22	2,174233E+22	1,895616E+22	1,701830E+22	1,701810E+22	1,895567E+22	2,174206E+22
-2699	2,411996E+22	2,545149E+22	2,589073E+22	2,589055E+22	2,545088E+22	2,411916E+22	2,174179E+22	1,895588E+22	1,701848E+22	1,701868E+22	1,895633E+22	2,174215E+22
-2698	2,411921E+22	2,545053E+22	2,588989E+22	2,588994E+22	2,545072E+22	2,411943E+22	2,174219E+22	1,895624E+22	1,701868E+22	1,701857E+22	1,895588E+22	2,174153E+22
-2697	2,411843E+22	2,545006E+22	2,589011E+22	2,589034E+22	2,545095E+22	2,411959E+22	2,174244E+22	1,895664E+22	1,701923E+22	1,701925E+22	1,895676E+22	2,174284E+22
-2696	2,412002E+22	2,545094E+22	2,589016E+22	2,589011E+22	2,545066E+22	2,411933E+22	2,174224E+22	1,895640E+22	1,701907E+22	1,701928E+22	1,895669E+22	2,174213E+22
-2695	2,411888E+22	2,544993E+22	2,588935E+22	2,588964E+22	2,545061E+22	2,411963E+22	2,174269E+22	1,895684E+22	1,701921E+22	1,701900E+22	1,895625E+22	2,174193E+22
-2694	2,411919E+22	2,545093E+22	2,589041E+22	2,589009E+22	2,545050E+22	2,411923E+22	2,174230E+22	1,895668E+22	1,701936E+22	1,701940E+22	1,895696E+22	2,174301E+22
-2693	2,412013E+22	2,545111E+22	2,589018E+22	2,588983E+22	2,545027E+22	2,411899E+22	2,174198E+22	1,895631E+22	1,701908E+22	1,701915E+22	1,895625E+22	2,174158E+22
-2692	2,411849E+22	2,544991E+22	2,588978E+22	2,589011E+22	2,545076E+22	2,411945E+22	2,174237E+22	1,895655E+22	1,701902E+22	1,701890E+22	1,895624E+22	2,174209E+22
-2691	2,411957E+22	2,545118E+22	2,589062E+22	2,589061E+22	2,545104E+22	2,411929E+22	2,174182E+22	1,895589E+22	1,701854E+22	1,701883E+22	1,895669E+22	2,174266E+22
-2690	2,411950E+22	2,545052E+22	2,588983E+22	2,588988E+22	2,545070E+22	2,411948E+22	2,174213E+22	1,895588E+22	1,701810E+22	1,701800E+22	1,895555E+22	2,174157E+22
-2689	2,411861E+22	2,544993E+22	2,588977E+22	2,589004E+22	2,545081E+22	2,411962E+22	2,174239E+22	1,895619E+22	1,701830E+22	1,701812E+22	1,895578E+22	2,174227E+22
-2688	2,412015E+22	2,545138E+22	2,589038E+22	2,589010E+22	2,545058E+22	2,411923E+22	2,174196E+22	1,895572E+22	1,701797E+22	1,701807E+22	1,895576E+22	2,174163E+22
-2687	2,411886E+22	2,545028E+22	2,588964E+22	2,588972E+22	2,545057E+22	2,411944E+22	2,174221E+22	1,895593E+22	1,701795E+22	1,701771E+22	1,895523E+22	2,174121E+22
-2686	2,411860E+22	2,545053E+22	2,589034E+22	2,589024E+22	2,545069E+22	2,411921E+22	2,174184E+22	1,895576E+22	1,701811E+22	1,701818E+22	1,895609E+22	2,174260E+22
-2685	2,412000E+22	2,545096E+22	2,589014E+22	2,589000E+22	2,545052E+22	2,411903E+22	2,174152E+22	1,895532E+22	1,701782E+22	1,701809E+22	1,895575E+22	2,174158E+22
-2684	2,411862E+22	2,544971E+22	2,588929E+22	2,588977E+22	2,545074E+22	2,411954E+22	2,174218E+22	1,895586E+22	1,701796E+22	1,701789E+22	1,895562E+22	2,174185E+22
-2683	2,411952E+22	2,545114E+22	2,589040E+22	2,589026E+22	2,545078E+22	2,411923E+22	2,174184E+22	1,895574E+22	1,701813E+22	1,701829E+22	1,895629E+22	2,174265E+22
-2682	2,411987E+22	2,545102E+22	2,589016E+22	2,588983E+22	2,545039E+22	2,411919E+22	2,174201E+22	1,895596E+22	1,701831E+22	1,701821E+22	1,895562E+22	2,174145E+22
-2681	2,411848E+22	2,544989E+22	2,588985E+22	2,589008E+22	2,545065E+22	2,411939E+22	2,174239E+22	1,895660E+22	1,701907E+22	1,701891E+22	1,895617E+22	2,174208E+22
-2680	2,411976E+22	2,545129E+22	2,589059E+22	2,589044E+22	2,545079E+22	2,411925E+22	2,174210E+22	1,895635E+22	1,701914E+22	1,701942E+22	1,895688E+22	2,174226E+22
-2679	2,411892E+22	2,545014E+22	2,588965E+22	2,588986E+22	2,545072E+22	2,411959E+22	2,174253E+22	1,895675E+22	1,701934E+22	1,701926E+22	1,895641E+22	2,174178E+22
-2678	2,411851E+22	2,544996E+22	2,588981E+22	2,589002E+22	2,545067E+22	2,411946E+22	2,174256E+22	1,895702E+22	1,701977E+22	1,701977E+22	1,895715E+22	2,174309E+22
-2677	2,412026E+22	2,545111E+22	2,589010E+22	2,588987E+22	2,545037E+22	2,411912E+22	2,174220E+22	1,895672E+22	1,701969E+22	1,701987E+22	1,895702E+22	2,174220E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411883E+22	2,544992E+22	2,588934E+22	2,588947E+22	2,545029E+22	2,411939E+22	2,174276E+22	1,895725E+22	1,701986E+22	1,701961E+22	1,895659E+22	2,174197E+22
-2675	2,411909E+22	2,545085E+22	2,589051E+22	2,589033E+22	2,545052E+22	2,411901E+22	2,174220E+22	1,895692E+22	1,701985E+22	1,701992E+22	1,895728E+22	2,174298E+22
-2674	2,411989E+22	2,545098E+22	2,589033E+22	2,589014E+22	2,545047E+22	2,411904E+22	2,174201E+22	1,895650E+22	1,701942E+22	1,701953E+22	1,895666E+22	2,174189E+22
-2673	2,411844E+22	2,544953E+22	2,588941E+22	2,588994E+22	2,545074E+22	2,411951E+22	2,174248E+22	1,895675E+22	1,701936E+22	1,701929E+22	1,895654E+22	2,174224E+22
-2672	2,411967E+22	2,545118E+22	2,589039E+22	2,589026E+22	2,545078E+22	2,411941E+22	2,174224E+22	1,895633E+22	1,701892E+22	1,701910E+22	1,895680E+22	2,174259E+22
-2671	2,411940E+22	2,545052E+22	2,588981E+22	2,588977E+22	2,545053E+22	2,411947E+22	2,174242E+22	1,895642E+22	1,701871E+22	1,701844E+22	1,895569E+22	2,174143E+22
-2670	2,411852E+22	2,544999E+22	2,588978E+22	2,588994E+22	2,545050E+22	2,411930E+22	2,174234E+22	1,895652E+22	1,701889E+22	1,701867E+22	1,895607E+22	2,174224E+22
-2669	2,412000E+22	2,545134E+22	2,589047E+22	2,589024E+22	2,545055E+22	2,411900E+22	2,174173E+22	1,895589E+22	1,701857E+22	1,701879E+22	1,895628E+22	2,174173E+22
-2668	2,411860E+22	2,544994E+22	2,588941E+22	2,588963E+22	2,545052E+22	2,411940E+22	2,174224E+22	1,895616E+22	1,701843E+22	1,701831E+22	1,895578E+22	2,174150E+22
-2667	2,411857E+22	2,545027E+22	2,589012E+22	2,589024E+22	2,545071E+22	2,411919E+22	2,174193E+22	1,895598E+22	1,701847E+22	1,701858E+22	1,895644E+22	2,174281E+22
-2666	2,412007E+22	2,545098E+22	2,589014E+22	2,589003E+22	2,545053E+22	2,411910E+22	2,174174E+22	1,895570E+22	1,701823E+22	1,701841E+22	1,895605E+22	2,174187E+22
-2665	2,411877E+22	2,544967E+22	2,588906E+22	2,588948E+22	2,545047E+22	2,411942E+22	2,174233E+22	1,895632E+22	1,701862E+22	1,701845E+22	1,895586E+22	2,174181E+22
-2664	2,411952E+22	2,545129E+22	2,589051E+22	2,589012E+22	2,545047E+22	2,411915E+22	2,174214E+22	1,895631E+22	1,701886E+22	1,701894E+22	1,895659E+22	2,174250E+22
-2663	2,411949E+22	2,545080E+22	2,589024E+22	2,589005E+22	2,545045E+22	2,411914E+22	2,174215E+22	1,895649E+22	1,701912E+22	1,701904E+22	1,895613E+22	2,174149E+22
-2662	2,411825E+22	2,544964E+22	2,588962E+22	2,589002E+22	2,545061E+22	2,411931E+22	2,174240E+22	1,895690E+22	1,701968E+22	1,701963E+22	1,895678E+22	2,174238E+22
-2661	2,411973E+22	2,545109E+22	2,589035E+22	2,589029E+22	2,545071E+22	2,411923E+22	2,174212E+22	1,895663E+22	1,701973E+22	1,702008E+22	1,895739E+22	2,174254E+22
-2660	2,411894E+22	2,544993E+22	2,588926E+22	2,588945E+22	2,545042E+22	2,411954E+22	2,174280E+22	1,895725E+22	1,701995E+22	1,701980E+22	1,895678E+22	2,174199E+22
-2659	2,411866E+22	2,545004E+22	2,588978E+22	2,588991E+22	2,545042E+22	2,411924E+22	2,174265E+22	1,895746E+22	1,702037E+22	1,702025E+22	1,895735E+22	2,174304E+22
-2658	2,412020E+22	2,545129E+22	2,589041E+22	2,589007E+22	2,545029E+22	2,411894E+22	2,174223E+22	1,895710E+22	1,702026E+22	1,702038E+22	1,895735E+22	2,174232E+22
-2657	2,411871E+22	2,544974E+22	2,588926E+22	2,588953E+22	2,545028E+22	2,411924E+22	2,174268E+22	1,895750E+22	1,702042E+22	1,702024E+22	1,895702E+22	2,174206E+22
-2656	2,411900E+22	2,545079E+22	2,589048E+22	2,589029E+22	2,545052E+22	2,411915E+22	2,174243E+22	1,895719E+22	1,702024E+22	1,702037E+22	1,895763E+22	2,174307E+22
-2655	2,411964E+22	2,545067E+22	2,589021E+22	2,589023E+22	2,545062E+22	2,411924E+22	2,174231E+22	1,895689E+22	1,701986E+22	1,701993E+22	1,895692E+22	2,174200E+22
-2654	2,411851E+22	2,544952E+22	2,588916E+22	2,588971E+22	2,545059E+22	2,411948E+22	2,174263E+22	1,895710E+22	1,701980E+22	1,701965E+22	1,895674E+22	2,174230E+22
-2653	2,411970E+22	2,545128E+22	2,589035E+22	2,589004E+22	2,545054E+22	2,411924E+22	2,174224E+22	1,895667E+22	1,701952E+22	1,701961E+22	1,895698E+22	2,174246E+22
-2652	2,411913E+22	2,545034E+22	2,588969E+22	2,588958E+22	2,545025E+22	2,411927E+22	2,174251E+22	1,895686E+22	1,701937E+22	1,701909E+22	1,895607E+22	2,174146E+22
-2651	2,411830E+22	2,544974E+22	2,588970E+22	2,589006E+22	2,545047E+22	2,411904E+22	2,174219E+22	1,895672E+22	1,701939E+22	1,701925E+22	1,895652E+22	2,174237E+22
-2650	2,411979E+22	2,545112E+22	2,589037E+22	2,589031E+22	2,545063E+22	2,411898E+22	2,174171E+22	1,895602E+22	1,701889E+22	1,701922E+22	1,895681E+22	2,174223E+22
-2649	2,411868E+22	2,544965E+22	2,588898E+22	2,588932E+22	2,545036E+22	2,411933E+22	2,174227E+22	1,895635E+22	1,701880E+22	1,701874E+22	1,895615E+22	2,174181E+22
-2648	2,411885E+22	2,545045E+22	2,589001E+22	2,588987E+22	2,545038E+22	2,411919E+22	2,174222E+22	1,895637E+22	1,701888E+22	1,701890E+22	1,895658E+22	2,174281E+22
-2647	2,412003E+22	2,545111E+22	2,589030E+22	2,589007E+22	2,545042E+22	2,411905E+22	2,174198E+22	1,895624E+22	1,701890E+22	1,701892E+22	1,895618E+22	2,174173E+22
-2646	2,411871E+22	2,544983E+22	2,588921E+22	2,588955E+22	2,545033E+22	2,411920E+22	2,174233E+22	1,895673E+22	1,701931E+22	1,701912E+22	1,895620E+22	2,174174E+22
-2645	2,411925E+22	2,545120E+22	2,589060E+22	2,589031E+22	2,545059E+22	2,411908E+22	2,174208E+22	1,895666E+22	1,701962E+22	1,701973E+22	1,895707E+22	2,174252E+22
-2644	2,411912E+22	2,545037E+22	2,588995E+22	2,588997E+22	2,545052E+22	2,411929E+22	2,174243E+22	1,895697E+22	1,701984E+22	1,701980E+22	1,895673E+22	2,174179E+22
-2643	2,411816E+22	2,544929E+22	2,588931E+22	2,588994E+22	2,545058E+22	2,411932E+22	2,174262E+22	1,895736E+22	1,702028E+22	1,702020E+22	1,895721E+22	2,174264E+22
-2642	2,411976E+22	2,545102E+22	2,589022E+22	2,589016E+22	2,545061E+22	2,411923E+22	2,174237E+22	1,895714E+22	1,702032E+22	1,702058E+22	1,895781E+22	2,174289E+22
-2641	2,411908E+22	2,544990E+22	2,588906E+22	2,588908E+22	2,544999E+22	2,411927E+22	2,174287E+22	1,895773E+22	1,702070E+22	1,702050E+22	1,895715E+22	2,174205E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411867E+22	2,545022E+22	2,588994E+22	2,588977E+22	2,545007E+22	2,411902E+22	2,174276E+22	1,895787E+22	1,702103E+22	1,702092E+22	1,895773E+22	2,174301E+22
-2639	2,411990E+22	2,545114E+22	2,589056E+22	2,589036E+22	2,545043E+22	2,411888E+22	2,174224E+22	1,895742E+22	1,702089E+22	1,702106E+22	1,895780E+22	2,174243E+22
-2638	2,411864E+22	2,544961E+22	2,588908E+22	2,588949E+22	2,545031E+22	2,411920E+22	2,174261E+22	1,895759E+22	1,702078E+22	1,702072E+22	1,895742E+22	2,174229E+22
-2637	2,411900E+22	2,545067E+22	2,589033E+22	2,589021E+22	2,545055E+22	2,411920E+22	2,174247E+22	1,895739E+22	1,702063E+22	1,702072E+22	1,895783E+22	2,174317E+22
-2636	2,411961E+22	2,545052E+22	2,588993E+22	2,588993E+22	2,545045E+22	2,411928E+22	2,174260E+22	1,895734E+22	1,702033E+22	1,702027E+22	1,895706E+22	2,174200E+22
-2635	2,411845E+22	2,544946E+22	2,588912E+22	2,588963E+22	2,545037E+22	2,411929E+22	2,174273E+22	1,895749E+22	1,702030E+22	1,702004E+22	1,895685E+22	2,174217E+22
-2634	2,411944E+22	2,545122E+22	2,589049E+22	2,589020E+22	2,545052E+22	2,411912E+22	2,174227E+22	1,895698E+22	1,702000E+22	1,702011E+22	1,895735E+22	2,174261E+22
-2633	2,411893E+22	2,545003E+22	2,588943E+22	2,588942E+22	2,545013E+22	2,411911E+22	2,174242E+22	1,895706E+22	1,701990E+22	1,701974E+22	1,895656E+22	2,174167E+22
-2632	2,411826E+22	2,544966E+22	2,588957E+22	2,588981E+22	2,545033E+22	2,411911E+22	2,174235E+22	1,895692E+22	1,701975E+22	1,701971E+22	1,895691E+22	2,174261E+22
-2631	2,411975E+22	2,545095E+22	2,589026E+22	2,589029E+22	2,545064E+22	2,411904E+22	2,174190E+22	1,895638E+22	1,701935E+22	1,701963E+22	1,895704E+22	2,174242E+22
-2630	2,411895E+22	2,544982E+22	2,588883E+22	2,588907E+22	2,545015E+22	2,411920E+22	2,174233E+22	1,895665E+22	1,701926E+22	1,701914E+22	1,895634E+22	2,174187E+22
-2629	2,411893E+22	2,545069E+22	2,589019E+22	2,588985E+22	2,545021E+22	2,411900E+22	2,174222E+22	1,895678E+22	1,701956E+22	1,701945E+22	1,895674E+22	2,174264E+22
-2628	2,411973E+22	2,545096E+22	2,589036E+22	2,589013E+22	2,545034E+22	2,411895E+22	2,174214E+22	1,895677E+22	1,701968E+22	1,701967E+22	1,895661E+22	2,174171E+22
-2627	2,411836E+22	2,544950E+22	2,588918E+22	2,588976E+22	2,545044E+22	2,411913E+22	2,174237E+22	1,895710E+22	1,702000E+22	1,701987E+22	1,895673E+22	2,174187E+22
-2626	2,411893E+22	2,545082E+22	2,589042E+22	2,589035E+22	2,545074E+22	2,411924E+22	2,174227E+22	1,895701E+22	1,702016E+22	1,702038E+22	1,895769E+22	2,174295E+22
-2625	2,411911E+22	2,545000E+22	2,588941E+22	2,588952E+22	2,545027E+22	2,411926E+22	2,174263E+22	1,895742E+22	1,702050E+22	1,702048E+22	1,895724E+22	2,174213E+22
-2624	2,411841E+22	2,544942E+22	2,588913E+22	2,588943E+22	2,545015E+22	2,411925E+22	2,174290E+22	1,895787E+22	1,702091E+22	1,702075E+22	1,895752E+22	2,174274E+22
-2623	2,411973E+22	2,545107E+22	2,589033E+22	2,589012E+22	2,545038E+22	2,411903E+22	2,174250E+22	1,895768E+22	1,702109E+22	1,702124E+22	1,895808E+22	2,174290E+22
-2622	2,411914E+22	2,545007E+22	2,588920E+22	2,588913E+22	2,544983E+22	2,411895E+22	2,174271E+22	1,895798E+22	1,702131E+22	1,702119E+22	1,895759E+22	2,174214E+22
-2621	2,411857E+22	2,545022E+22	2,589009E+22	2,588996E+22	2,545016E+22	2,411890E+22	2,174258E+22	1,895803E+22	1,702157E+22	1,702152E+22	1,895812E+22	2,174306E+22
-2620	2,411963E+22	2,545080E+22	2,589037E+22	2,589034E+22	2,545056E+22	2,411908E+22	2,174247E+22	1,895774E+22	1,702133E+22	1,702156E+22	1,895819E+22	2,174263E+22
-2619	2,411856E+22	2,544935E+22	2,588892E+22	2,588952E+22	2,545038E+22	2,411931E+22	2,174283E+22	1,895793E+22	1,702116E+22	1,702104E+22	1,895761E+22	2,174237E+22
-2618	2,411894E+22	2,545056E+22	2,589019E+22	2,589008E+22	2,545053E+22	2,411932E+22	2,174276E+22	1,895782E+22	1,702105E+22	1,702104E+22	1,895801E+22	2,174324E+22
-2617	2,411955E+22	2,545038E+22	2,588969E+22	2,588954E+22	2,545006E+22	2,411910E+22	2,174273E+22	1,895780E+22	1,702099E+22	1,702087E+22	1,895734E+22	2,174198E+22
-2616	2,411835E+22	2,544947E+22	2,588913E+22	2,588938E+22	2,545002E+22	2,411909E+22	2,174279E+22	1,895783E+22	1,702088E+22	1,702064E+22	1,895723E+22	2,174218E+22
-2615	2,411914E+22	2,545090E+22	2,589045E+22	2,589027E+22	2,545054E+22	2,411901E+22	2,174223E+22	1,895723E+22	1,702054E+22	1,702073E+22	1,895778E+22	2,174284E+22
-2614	2,411903E+22	2,544994E+22	2,588920E+22	2,588921E+22	2,544997E+22	2,411895E+22	2,174228E+22	1,895709E+22	1,702019E+22	1,702020E+22	1,895700E+22	2,174200E+22
-2613	2,411845E+22	2,544972E+22	2,588952E+22	2,588967E+22	2,545020E+22	2,411898E+22	2,174229E+22	1,895709E+22	1,702010E+22	1,702002E+22	1,895708E+22	2,174269E+22
-2612	2,411982E+22	2,545098E+22	2,589021E+22	2,589012E+22	2,545050E+22	2,411904E+22	2,174213E+22	1,895681E+22	1,701986E+22	1,702002E+22	1,895718E+22	2,174239E+22
-2611	2,411890E+22	2,544988E+22	2,588908E+22	2,588926E+22	2,545008E+22	2,411906E+22	2,174241E+22	1,895706E+22	1,701985E+22	1,701963E+22	1,895648E+22	2,174170E+22
-2610	2,411862E+22	2,545057E+22	2,589040E+22	2,589017E+22	2,545042E+22	2,411907E+22	2,174237E+22	1,895718E+22	1,702017E+22	1,702010E+22	1,895717E+22	2,174268E+22
-2609	2,411941E+22	2,545054E+22	2,589009E+22	2,589003E+22	2,545036E+22	2,411901E+22	2,174229E+22	1,895718E+22	1,702041E+22	1,702051E+22	1,895723E+22	2,174193E+22
-2608	2,411821E+22	2,544924E+22	2,588892E+22	2,588943E+22	2,545032E+22	2,411932E+22	2,174271E+22	1,895755E+22	1,702063E+22	1,702056E+22	1,895729E+22	2,174217E+22
-2607	2,411886E+22	2,545049E+22	2,589015E+22	2,589017E+22	2,545068E+22	2,411933E+22	2,174260E+22	1,895758E+22	1,702089E+22	1,702105E+22	1,895809E+22	2,174324E+22
-2606	2,411945E+22	2,545011E+22	2,588915E+22	2,588905E+22	2,544983E+22	2,411900E+22	2,174266E+22	1,895782E+22	1,702116E+22	1,702114E+22	1,895764E+22	2,174228E+22
-2605	2,411855E+22	2,544966E+22	2,588931E+22	2,588933E+22	2,544980E+22	2,411886E+22	2,174278E+22	1,895826E+22	1,702166E+22	1,702143E+22	1,895784E+22	2,174271E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411955E+22	2,545098E+22	2,589045E+22	2,589021E+22	2,545027E+22	2,411882E+22	2,174249E+22	1,895807E+22	1,702179E+22	1,702198E+22	1,895856E+22	2,174298E+22
-2603	2,411891E+22	2,544982E+22	2,588929E+22	2,588940E+22	2,544995E+22	2,411886E+22	2,174263E+22	1,895815E+22	1,702177E+22	1,702175E+22	1,895802E+22	2,174229E+22
-2602	2,411840E+22	2,544995E+22	2,589002E+22	2,589009E+22	2,545041E+22	2,411915E+22	2,174279E+22	1,895824E+22	1,702185E+22	1,702191E+22	1,895850E+22	2,174330E+22
-2601	2,411963E+22	2,545052E+22	2,588994E+22	2,588995E+22	2,545038E+22	2,411916E+22	2,174276E+22	1,895815E+22	1,702181E+22	1,702198E+22	1,895843E+22	2,174272E+22
-2600	2,411866E+22	2,544944E+22	2,588880E+22	2,588906E+22	2,545004E+22	2,411936E+22	2,174317E+22	1,895842E+22	1,702170E+22	1,702144E+22	1,895773E+22	2,174227E+22
-2599	2,411875E+22	2,545043E+22	2,589025E+22	2,589007E+22	2,545037E+22	2,411920E+22	2,174292E+22	1,895833E+22	1,702175E+22	1,702163E+22	1,895817E+22	2,174313E+22
-2598	2,411951E+22	2,545034E+22	2,588963E+22	2,588945E+22	2,544985E+22	2,411878E+22	2,174255E+22	1,895798E+22	1,702153E+22	1,702153E+22	1,895780E+22	2,174209E+22
-2597	2,411826E+22	2,544939E+22	2,588917E+22	2,588943E+22	2,544998E+22	2,411887E+22	2,174259E+22	1,895795E+22	1,702132E+22	1,702117E+22	1,895764E+22	2,174235E+22
-2596	2,411902E+22	2,545060E+22	2,589026E+22	2,589018E+22	2,545051E+22	2,411906E+22	2,174236E+22	1,895747E+22	1,702091E+22	1,702117E+22	1,895819E+22	2,174311E+22
-2595	2,411911E+22	2,544982E+22	2,588919E+22	2,588926E+22	2,544994E+22	2,411893E+22	2,174238E+22	1,895732E+22	1,702050E+22	1,702048E+22	1,895719E+22	2,174211E+22
-2594	2,411854E+22	2,544981E+22	2,588960E+22	2,588968E+22	2,545021E+22	2,411908E+22	2,174252E+22	1,895742E+22	1,702047E+22	1,702037E+22	1,895725E+22	2,174264E+22
-2593	2,411971E+22	2,545091E+22	2,589016E+22	2,588994E+22	2,545026E+22	2,411895E+22	2,174231E+22	1,895730E+22	1,702056E+22	1,702068E+22	1,895750E+22	2,174231E+22
-2592	2,411871E+22	2,544981E+22	2,588913E+22	2,588918E+22	2,545000E+22	2,411908E+22	2,174257E+22	1,895750E+22	1,702055E+22	1,702036E+22	1,895695E+22	2,174173E+22
-2591	2,411823E+22	2,545003E+22	2,589018E+22	2,589023E+22	2,545055E+22	2,411917E+22	2,174253E+22	1,895762E+22	1,702089E+22	1,702086E+22	1,895768E+22	2,174291E+22
-2590	2,411945E+22	2,545027E+22	2,588967E+22	2,588967E+22	2,545016E+22	2,411894E+22	2,174235E+22	1,895746E+22	1,702095E+22	1,702119E+22	1,895782E+22	2,174234E+22
-2589	2,411844E+22	2,544925E+22	2,588875E+22	2,588908E+22	2,544993E+22	2,411905E+22	2,174274E+22	1,895795E+22	1,702122E+22	1,702107E+22	1,895761E+22	2,174233E+22
-2588	2,411896E+22	2,545049E+22	2,589003E+22	2,588984E+22	2,545028E+22	2,411914E+22	2,174277E+22	1,895811E+22	1,702159E+22	1,702166E+22	1,895841E+22	2,174329E+22
-2587	2,411945E+22	2,545022E+22	2,588947E+22	2,588922E+22	2,544963E+22	2,411868E+22	2,174259E+22	1,895816E+22	1,702179E+22	1,702175E+22	1,895795E+22	2,174225E+22
-2586	2,411839E+22	2,544964E+22	2,588957E+22	2,588966E+22	2,544998E+22	2,411886E+22	2,174279E+22	1,895849E+22	1,702215E+22	1,702205E+22	1,895830E+22	2,174277E+22
-2585	2,411932E+22	2,545069E+22	2,589028E+22	2,589017E+22	2,545034E+22	2,411892E+22	2,174264E+22	1,895840E+22	1,702237E+22	1,702265E+22	1,895906E+22	2,174316E+22
-2584	2,411882E+22	2,544965E+22	2,588915E+22	2,588924E+22	2,544998E+22	2,411914E+22	2,174298E+22	1,895856E+22	1,702226E+22	1,702222E+22	1,895835E+22	2,174243E+22
-2583	2,411828E+22	2,544960E+22	2,588978E+22	2,589001E+22	2,545045E+22	2,411934E+22	2,174319E+22	1,895883E+22	1,702249E+22	1,702239E+22	1,895866E+22	2,174332E+22
-2582	2,411979E+22	2,545056E+22	2,588972E+22	2,588956E+22	2,545000E+22	2,411899E+22	2,174288E+22	1,895858E+22	1,702242E+22	1,702256E+22	1,895873E+22	2,174273E+22
-2581	2,411861E+22	2,544953E+22	2,588893E+22	2,588894E+22	2,544964E+22	2,411894E+22	2,174310E+22	1,895883E+22	1,702239E+22	1,702206E+22	1,895804E+22	2,174219E+22
-2580	2,411847E+22	2,545015E+22	2,589017E+22	2,589005E+22	2,545022E+22	2,411899E+22	2,174289E+22	1,895864E+22	1,702236E+22	1,702233E+22	1,895871E+22	2,174327E+22
-2579	2,411933E+22	2,545006E+22	2,588961E+22	2,588958E+22	2,544985E+22	2,411863E+22	2,174238E+22	1,895802E+22	1,702184E+22	1,702200E+22	1,895827E+22	2,174236E+22
-2578	2,411829E+22	2,544924E+22	2,588907E+22	2,588947E+22	2,545011E+22	2,411901E+22	2,174267E+22	1,895799E+22	1,702143E+22	1,702144E+22	1,895801E+22	2,174264E+22
-2577	2,411920E+22	2,545053E+22	2,588998E+22	2,588986E+22	2,545028E+22	2,411905E+22	2,174255E+22	1,895778E+22	1,702127E+22	1,702149E+22	1,895839E+22	2,174320E+22
-2576	2,411926E+22	2,545002E+22	2,588925E+22	2,588903E+22	2,544974E+22	2,411898E+22	2,174263E+22	1,895773E+22	1,702096E+22	1,702081E+22	1,895727E+22	2,174197E+22
-2575	2,411834E+22	2,544970E+22	2,588977E+22	2,588988E+22	2,545025E+22	2,411909E+22	2,174274E+22	1,895796E+22	1,702118E+22	1,702095E+22	1,895740E+22	2,174246E+22
-2574	2,411959E+22	2,545079E+22	2,589007E+22	2,588989E+22	2,545016E+22	2,411881E+22	2,174229E+22	1,895759E+22	1,702117E+22	1,702139E+22	1,895798E+22	2,174237E+22
-2573	2,411851E+22	2,544959E+22	2,588905E+22	2,588915E+22	2,544991E+22	2,411897E+22	2,174261E+22	1,895786E+22	1,702117E+22	1,702101E+22	1,895745E+22	2,174191E+22
-2572	2,411808E+22	2,544961E+22	2,588981E+22	2,589000E+22	2,545043E+22	2,411923E+22	2,174281E+22	1,895810E+22	1,702152E+22	1,702152E+22	1,895821E+22	2,174320E+22
-2571	2,411951E+22	2,545011E+22	2,588951E+22	2,588951E+22	2,544992E+22	2,411878E+22	2,174245E+22	1,895786E+22	1,702150E+22	1,702170E+22	1,895819E+22	2,174253E+22
-2570	2,411859E+22	2,544938E+22	2,588882E+22	2,588900E+22	2,544976E+22	2,411896E+22	2,174287E+22	1,895832E+22	1,702176E+22	1,702166E+22	1,895798E+22	2,174239E+22
-2569	2,411893E+22	2,545050E+22	2,589005E+22	2,588970E+22	2,544991E+22	2,411883E+22	2,174281E+22	1,895857E+22	1,702236E+22	1,702244E+22	1,895889E+22	2,174332E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411930E+22	2,545019E+22	2,588959E+22	2,588929E+22	2,544963E+22	2,411865E+22	2,174263E+22	1,895850E+22	1,702243E+22	1,702246E+22	1,895845E+22	2,174234E+22
-2567	2,411811E+22	2,544927E+22	2,588949E+22	2,588985E+22	2,545023E+22	2,411905E+22	2,174298E+22	1,895888E+22	1,702277E+22	1,702269E+22	1,895869E+22	2,174293E+22
-2566	2,411939E+22	2,545049E+22	2,588994E+22	2,588991E+22	2,545023E+22	2,411897E+22	2,174280E+22	1,895871E+22	1,702285E+22	1,702318E+22	1,895948E+22	2,174339E+22
-2565	2,411894E+22	2,544965E+22	2,588903E+22	2,588903E+22	2,544972E+22	2,411899E+22	2,174317E+22	1,895907E+22	1,702285E+22	1,702265E+22	1,895855E+22	2,174244E+22
-2564	2,411822E+22	2,544946E+22	2,588960E+22	2,588978E+22	2,545017E+22	2,411923E+22	2,174343E+22	1,895941E+22	1,702320E+22	1,702298E+22	1,895894E+22	2,174325E+22
-2563	2,411958E+22	2,545047E+22	2,588990E+22	2,588969E+22	2,544981E+22	2,411869E+22	2,174281E+22	1,895888E+22	1,702299E+22	1,702314E+22	1,895911E+22	2,174276E+22
-2562	2,411845E+22	2,544942E+22	2,588901E+22	2,588913E+22	2,544974E+22	2,411889E+22	2,174304E+22	1,895893E+22	1,702274E+22	1,702263E+22	1,895857E+22	2,174235E+22
-2561	2,411832E+22	2,544989E+22	2,588990E+22	2,588986E+22	2,545010E+22	2,411896E+22	2,174295E+22	1,895884E+22	1,702277E+22	1,702286E+22	1,895922E+22	2,174359E+22
-2560	2,411943E+22	2,545001E+22	2,588945E+22	2,588940E+22	2,544984E+22	2,411879E+22	2,174257E+22	1,895826E+22	1,702214E+22	1,702229E+22	1,895853E+22	2,174258E+22
-2559	2,411838E+22	2,544913E+22	2,588891E+22	2,588940E+22	2,545012E+22	2,411913E+22	2,174294E+22	1,895842E+22	1,702189E+22	1,702171E+22	1,895800E+22	2,174260E+22
-2558	2,411939E+22	2,545069E+22	2,588990E+22	2,588959E+22	2,544997E+22	2,411888E+22	2,174264E+22	1,895815E+22	1,702178E+22	1,702192E+22	1,895856E+22	2,174311E+22
-2557	2,411916E+22	2,545014E+22	2,588950E+22	2,588912E+22	2,544945E+22	2,411860E+22	2,174262E+22	1,895818E+22	1,702161E+22	1,702136E+22	1,895752E+22	2,174182E+22
-2556	2,411795E+22	2,544929E+22	2,588959E+22	2,588992E+22	2,545023E+22	2,411902E+22	2,174283E+22	1,895837E+22	1,702187E+22	1,702170E+22	1,895794E+22	2,174252E+22
-2555	2,411922E+22	2,545040E+22	2,588995E+22	2,588995E+22	2,545017E+22	2,411875E+22	2,174229E+22	1,895780E+22	1,702164E+22	1,702198E+22	1,895852E+22	2,174267E+22
-2554	2,411852E+22	2,544939E+22	2,588882E+22	2,588901E+22	2,544987E+22	2,411903E+22	2,174277E+22	1,895809E+22	1,702154E+22	1,702153E+22	1,895793E+22	2,174219E+22
-2553	2,411822E+22	2,544954E+22	2,588946E+22	2,588952E+22	2,545000E+22	2,411906E+22	2,174300E+22	1,895859E+22	1,702216E+22	1,702210E+22	1,895859E+22	2,174337E+22
-2552	2,411966E+22	2,545033E+22	2,588956E+22	2,588930E+22	2,544964E+22	2,411866E+22	2,174257E+22	1,895832E+22	1,702217E+22	1,702228E+22	1,895847E+22	2,174253E+22
-2551	2,411845E+22	2,544933E+22	2,588902E+22	2,588927E+22	2,544981E+22	2,411887E+22	2,174297E+22	1,895881E+22	1,702253E+22	1,702234E+22	1,895827E+22	2,174237E+22
-2550	2,411888E+22	2,545043E+22	2,589004E+22	2,588977E+22	2,544992E+22	2,411872E+22	2,174276E+22	1,895884E+22	1,702297E+22	1,702318E+22	1,895946E+22	2,174350E+22
-2549	2,411916E+22	2,545006E+22	2,588963E+22	2,588941E+22	2,544964E+22	2,411861E+22	2,174277E+22	1,895891E+22	1,702302E+22	1,702305E+22	1,895889E+22	2,174251E+22
-2548	2,411797E+22	2,544889E+22	2,588915E+22	2,588973E+22	2,545027E+22	2,411926E+22	2,174339E+22	1,895945E+22	1,702343E+22	1,702331E+22	1,895912E+22	2,174307E+22
-2547	2,411929E+22	2,545036E+22	2,588983E+22	2,588977E+22	2,545007E+22	2,411894E+22	2,174302E+22	1,895918E+22	1,702344E+22	1,702366E+22	1,895974E+22	2,174345E+22
-2546	2,411896E+22	2,544970E+22	2,588904E+22	2,588892E+22	2,544955E+22	2,411894E+22	2,174336E+22	1,895948E+22	1,702344E+22	1,702326E+22	1,895892E+22	2,174243E+22
-2545	2,411807E+22	2,544933E+22	2,588945E+22	2,588956E+22	2,544980E+22	2,411892E+22	2,174346E+22	1,895985E+22	1,702393E+22	1,702374E+22	1,895946E+22	2,174338E+22
-2544	2,411941E+22	2,545030E+22	2,588975E+22	2,588962E+22	2,544979E+22	2,411861E+22	2,174273E+22	1,895908E+22	1,702347E+22	1,702371E+22	1,895960E+22	2,174300E+22
-2543	2,411833E+22	2,544913E+22	2,588885E+22	2,588919E+22	2,544986E+22	2,411897E+22	2,174311E+22	1,895913E+22	1,702312E+22	1,702303E+22	1,895887E+22	2,174265E+22
-2542	2,411860E+22	2,544989E+22	2,588962E+22	2,588952E+22	2,544983E+22	2,411882E+22	2,174294E+22	1,895896E+22	1,702300E+22	1,702314E+22	1,895946E+22	2,174379E+22
-2541	2,411962E+22	2,545023E+22	2,588952E+22	2,588927E+22	2,544952E+22	2,411853E+22	2,174266E+22	1,895864E+22	1,702252E+22	1,702249E+22	1,895851E+22	2,174246E+22
-2540	2,411830E+22	2,544915E+22	2,588896E+22	2,588939E+22	2,544999E+22	2,411906E+22	2,174313E+22	1,895890E+22	1,702250E+22	1,702219E+22	1,895814E+22	2,174236E+22
-2539	2,411900E+22	2,545060E+22	2,589014E+22	2,588984E+22	2,544995E+22	2,411870E+22	2,174261E+22	1,895844E+22	1,702232E+22	1,702243E+22	1,895882E+22	2,174301E+22
-2538	2,411886E+22	2,544993E+22	2,588950E+22	2,588934E+22	2,544969E+22	2,411871E+22	2,174268E+22	1,895837E+22	1,702206E+22	1,702200E+22	1,895804E+22	2,174194E+22
-2537	2,411769E+22	2,544888E+22	2,588916E+22	2,588964E+22	2,545009E+22	2,411904E+22	2,174302E+22	1,895877E+22	1,702246E+22	1,702236E+22	1,895854E+22	2,174287E+22
-2536	2,411921E+22	2,545017E+22	2,588957E+22	2,588966E+22	2,545009E+22	2,411885E+22	2,174252E+22	1,895821E+22	1,702217E+22	1,702248E+22	1,895894E+22	2,174297E+22
-2535	2,411862E+22	2,544932E+22	2,588863E+22	2,588884E+22	2,544974E+22	2,411902E+22	2,174301E+22	1,895862E+22	1,702223E+22	1,702206E+22	1,895815E+22	2,174231E+22
-2534	2,411845E+22	2,544976E+22	2,588943E+22	2,588921E+22	2,544953E+22	2,411870E+22	2,174297E+22	1,895898E+22	1,702285E+22	1,702279E+22	1,895900E+22	2,174344E+22
-2533	2,411962E+22	2,545049E+22	2,588985E+22	2,588945E+22	2,544939E+22	2,411823E+22	2,174251E+22	1,895878E+22	1,702291E+22	1,702298E+22	1,895889E+22	2,174256E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411818E+22	2,544904E+22	2,588892E+22	2,588942E+22	2,544994E+22	2,411888E+22	2,174306E+22	1,895921E+22	1,702325E+22	1,702312E+22	1,895884E+22	2,174250E+22
-2531	2,411859E+22	2,545015E+22	2,588999E+22	2,588988E+22	2,545003E+22	2,411880E+22	2,174287E+22	1,895911E+22	1,702344E+22	1,702372E+22	1,895991E+22	2,174378E+22
-2530	2,411921E+22	2,544993E+22	2,588946E+22	2,588935E+22	2,544971E+22	2,411880E+22	2,174306E+22	1,895925E+22	1,702346E+22	1,702356E+22	1,895928E+22	2,174265E+22
-2529	2,411798E+22	2,544879E+22	2,588879E+22	2,588928E+22	2,544990E+22	2,411918E+22	2,174371E+22	1,896007E+22	1,702416E+22	1,702392E+22	1,895947E+22	2,174315E+22
-2528	2,411923E+22	2,545041E+22	2,588979E+22	2,588960E+22	2,544988E+22	2,411885E+22	2,174317E+22	1,895969E+22	1,702415E+22	1,702427E+22	1,896003E+22	2,174345E+22
-2527	2,411877E+22	2,544956E+22	2,588905E+22	2,588901E+22	2,544952E+22	2,411881E+22	2,174340E+22	1,895990E+22	1,702415E+22	1,702391E+22	1,895923E+22	2,174249E+22
-2526	2,411803E+22	2,544922E+22	2,588928E+22	2,588940E+22	2,544962E+22	2,411869E+22	2,174331E+22	1,896000E+22	1,702441E+22	1,702436E+22	1,896000E+22	2,174365E+22
-2525	2,411940E+22	2,545027E+22	2,588977E+22	2,588961E+22	2,544962E+22	2,411840E+22	2,174275E+22	1,895934E+22	1,702384E+22	1,702408E+22	1,895991E+22	2,174322E+22
-2524	2,411833E+22	2,544893E+22	2,588860E+22	2,588908E+22	2,544984E+22	2,411903E+22	2,174331E+22	1,895948E+22	1,702354E+22	1,702339E+22	1,895908E+22	2,174271E+22
-2523	2,411855E+22	2,544996E+22	2,588972E+22	2,588949E+22	2,544973E+22	2,411876E+22	2,174302E+22	1,895923E+22	1,702336E+22	1,702339E+22	1,895952E+22	2,174373E+22
-2522	2,411958E+22	2,545036E+22	2,588972E+22	2,588937E+22	2,544949E+22	2,411850E+22	2,174276E+22	1,895889E+22	1,702297E+22	1,702298E+22	1,895871E+22	2,174228E+22
-2521	2,411797E+22	2,544895E+22	2,588884E+22	2,588930E+22	2,544983E+22	2,411889E+22	2,174321E+22	1,895932E+22	1,702318E+22	1,702290E+22	1,895861E+22	2,174240E+22
-2520	2,411863E+22	2,545023E+22	2,588988E+22	2,588983E+22	2,545012E+22	2,411879E+22	2,174264E+22	1,895870E+22	1,702286E+22	1,702305E+22	1,895930E+22	2,174322E+22
-2519	2,411866E+22	2,544952E+22	2,588914E+22	2,588923E+22	2,544979E+22	2,411887E+22	2,174289E+22	1,895872E+22	1,702259E+22	1,702251E+22	1,895842E+22	2,174231E+22
-2518	2,411795E+22	2,544880E+22	2,588874E+22	2,588913E+22	2,544970E+22	2,411885E+22	2,174309E+22	1,895907E+22	1,702293E+22	1,702286E+22	1,895896E+22	2,174321E+22
-2517	2,411945E+22	2,545039E+22	2,588960E+22	2,588940E+22	2,544959E+22	2,411847E+22	2,174261E+22	1,895872E+22	1,702276E+22	1,702292E+22	1,895913E+22	2,174304E+22
-2516	2,411862E+22	2,544939E+22	2,588873E+22	2,588885E+22	2,544956E+22	2,411883E+22	2,174310E+22	1,895911E+22	1,702298E+22	1,702275E+22	1,895849E+22	2,174224E+22
-2515	2,411820E+22	2,544981E+22	2,588977E+22	2,588949E+22	2,544956E+22	2,411851E+22	2,174286E+22	1,895922E+22	1,702342E+22	1,702342E+22	1,895939E+22	2,174349E+22
-2514	2,411944E+22	2,545040E+22	2,588996E+22	2,588974E+22	2,544970E+22	2,411841E+22	2,174260E+22	1,895897E+22	1,702342E+22	1,702368E+22	1,895941E+22	2,174270E+22
-2513	2,411799E+22	2,544874E+22	2,588862E+22	2,588926E+22	2,544994E+22	2,411904E+22	2,174340E+22	1,895974E+22	1,702393E+22	1,702382E+22	1,895938E+22	2,174278E+22
-2512	2,411850E+22	2,544986E+22	2,588960E+22	2,588967E+22	2,545010E+22	2,411901E+22	2,174322E+22	1,895967E+22	1,702410E+22	1,702425E+22	1,896019E+22	2,174390E+22
-2511	2,411920E+22	2,544982E+22	2,588926E+22	2,588915E+22	2,544961E+22	2,411888E+22	2,174343E+22	1,895993E+22	1,702427E+22	1,702416E+22	1,895950E+22	2,174272E+22
-2510	2,411807E+22	2,544886E+22	2,588867E+22	2,588887E+22	2,544934E+22	2,411877E+22	2,174370E+22	1,896052E+22	1,702492E+22	1,702468E+22	1,895994E+22	2,174322E+22
-2509	2,411906E+22	2,545035E+22	2,588989E+22	2,588958E+22	2,544950E+22	2,411836E+22	2,174307E+22	1,896009E+22	1,702482E+22	1,702496E+22	1,896049E+22	2,174357E+22
-2508	2,411855E+22	2,544925E+22	2,588890E+22	2,588904E+22	2,544955E+22	2,411872E+22	2,174333E+22	1,896012E+22	1,702471E+22	1,702460E+22	1,895978E+22	2,174272E+22
-2507	2,411791E+22	2,544909E+22	2,588927E+22	2,588937E+22	2,544958E+22	2,411861E+22	2,174321E+22	1,896001E+22	1,702463E+22	1,702469E+22	1,896031E+22	2,174394E+22
-2506	2,411959E+22	2,545032E+22	2,588973E+22	2,588958E+22	2,544967E+22	2,411849E+22	2,174285E+22	1,895944E+22	1,702406E+22	1,702436E+22	1,896006E+22	2,174325E+22
-2505	2,411838E+22	2,544899E+22	2,588850E+22	2,588882E+22	2,544960E+22	2,411895E+22	2,174352E+22	1,895993E+22	1,702405E+22	1,702377E+22	1,895921E+22	2,174264E+22
-2504	2,411837E+22	2,544990E+22	2,588975E+22	2,588956E+22	2,544980E+22	2,411877E+22	2,174314E+22	1,895961E+22	1,702389E+22	1,702382E+22	1,895962E+22	2,174356E+22
-2503	2,411926E+22	2,545012E+22	2,588973E+22	2,588957E+22	2,544970E+22	2,411861E+22	2,174291E+22	1,895928E+22	1,702358E+22	1,702353E+22	1,895899E+22	2,174232E+22
-2502	2,411782E+22	2,544869E+22	2,588854E+22	2,588903E+22	2,544968E+22	2,411882E+22	2,174323E+22	1,895955E+22	1,702368E+22	1,702355E+22	1,895917E+22	2,174271E+22
-2501	2,411855E+22	2,545000E+22	2,588969E+22	2,588962E+22	2,544987E+22	2,411866E+22	2,174282E+22	1,895911E+22	1,702334E+22	1,702352E+22	1,895967E+22	2,174352E+22
-2500	2,411875E+22	2,544931E+22	2,588880E+22	2,588894E+22	2,544963E+22	2,411886E+22	2,174310E+22	1,895918E+22	1,702320E+22	1,702308E+22	1,895877E+22	2,174245E+22
-2499	2,411801E+22	2,544899E+22	2,588886E+22	2,588894E+22	2,544939E+22	2,411860E+22	2,174308E+22	1,895938E+22	1,702345E+22	1,702333E+22	1,895919E+22	2,174330E+22
-2498	2,411954E+22	2,545063E+22	2,588991E+22	2,588951E+22	2,544947E+22	2,411827E+22	2,174258E+22	1,895898E+22	1,702336E+22	1,702361E+22	1,895949E+22	2,174298E+22
-2497	2,411839E+22	2,544925E+22	2,588875E+22	2,588888E+22	2,544946E+22	2,411865E+22	2,174312E+22	1,895952E+22	1,702371E+22	1,702356E+22	1,895905E+22	2,174237E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411793E+22	2,544949E+22	2,588961E+22	2,588963E+22	2,544988E+22	2,411869E+22	2,174297E+22	1,895952E+22	1,702400E+22	1,702405E+22	1,895983E+22	2,174368E+22
-2495	2,411931E+22	2,545008E+22	2,588971E+22	2,588969E+22	2,544986E+22	2,411869E+22	2,174294E+22	1,895944E+22	1,702402E+22	1,702420E+22	1,895974E+22	2,174294E+22
-2494	2,411812E+22	2,544864E+22	2,588825E+22	2,588875E+22	2,544956E+22	2,411894E+22	2,174362E+22	1,896024E+22	1,702459E+22	1,702444E+22	1,895978E+22	2,174297E+22
-2493	2,411854E+22	2,544990E+22	2,588961E+22	2,588942E+22	2,544961E+22	2,411870E+22	2,174344E+22	1,896033E+22	1,702488E+22	1,702485E+22	1,896042E+22	2,174387E+22
-2492	2,411903E+22	2,544968E+22	2,588922E+22	2,588909E+22	2,544940E+22	2,411867E+22	2,174351E+22	1,896046E+22	1,702513E+22	1,702500E+22	1,895995E+22	2,174268E+22
-2491	2,411779E+22	2,544879E+22	2,588885E+22	2,588898E+22	2,544927E+22	2,411851E+22	2,174351E+22	1,896068E+22	1,702545E+22	1,702534E+22	1,896045E+22	2,174344E+22
-2490	2,411900E+22	2,545025E+22	2,588993E+22	2,588969E+22	2,544961E+22	2,411839E+22	2,174301E+22	1,896013E+22	1,702519E+22	1,702556E+22	1,896099E+22	2,174380E+22
-2489	2,411850E+22	2,544903E+22	2,588867E+22	2,588886E+22	2,544946E+22	2,411876E+22	2,174352E+22	1,896042E+22	1,702513E+22	1,702508E+22	1,896019E+22	2,174301E+22
-2488	2,411800E+22	2,544898E+22	2,588905E+22	2,588929E+22	2,544972E+22	2,411877E+22	2,174342E+22	1,896033E+22	1,702499E+22	1,702495E+22	1,896037E+22	2,174393E+22
-2487	2,411963E+22	2,545037E+22	2,588972E+22	2,588951E+22	2,544968E+22	2,411864E+22	2,174316E+22	1,895993E+22	1,702461E+22	1,702469E+22	1,896008E+22	2,174315E+22
-2486	2,411834E+22	2,544902E+22	2,588850E+22	2,588861E+22	2,544926E+22	2,411871E+22	2,174356E+22	1,896031E+22	1,702466E+22	1,702438E+22	1,895956E+22	2,174262E+22
-2485	2,411808E+22	2,544966E+22	2,588977E+22	2,588959E+22	2,544960E+22	2,411852E+22	2,174319E+22	1,896002E+22	1,702448E+22	1,702441E+22	1,895998E+22	2,174359E+22
-2484	2,411895E+22	2,544966E+22	2,588943E+22	2,588949E+22	2,544975E+22	2,411867E+22	2,174302E+22	1,895958E+22	1,702413E+22	1,702420E+22	1,895953E+22	2,174254E+22
-2483	2,411775E+22	2,544854E+22	2,588840E+22	2,588877E+22	2,544946E+22	2,411872E+22	2,174322E+22	1,895968E+22	1,702398E+22	1,702394E+22	1,895955E+22	2,174304E+22
-2482	2,411881E+22	2,545008E+22	2,588961E+22	2,588939E+22	2,544966E+22	2,411859E+22	2,174288E+22	1,895931E+22	1,702374E+22	1,702397E+22	1,895992E+22	2,174362E+22
-2481	2,411888E+22	2,544945E+22	2,588880E+22	2,588868E+22	2,544925E+22	2,411862E+22	2,174320E+22	1,895963E+22	1,702385E+22	1,702367E+22	1,895908E+22	2,174249E+22
-2480	2,411794E+22	2,544898E+22	2,588898E+22	2,588912E+22	2,544946E+22	2,411848E+22	2,174305E+22	1,895969E+22	1,702404E+22	1,702388E+22	1,895941E+22	2,174319E+22
-2479	2,411931E+22	2,545048E+22	2,589002E+22	2,588980E+22	2,544976E+22	2,411842E+22	2,174272E+22	1,895935E+22	1,702399E+22	1,702421E+22	1,895986E+22	2,174308E+22
-2478	2,411827E+22	2,544904E+22	2,588861E+22	2,588875E+22	2,544940E+22	2,411866E+22	2,174323E+22	1,895985E+22	1,702430E+22	1,702426E+22	1,895963E+22	2,174265E+22
-2477	2,411779E+22	2,544916E+22	2,588942E+22	2,588949E+22	2,544970E+22	2,411872E+22	2,174334E+22	1,896011E+22	1,702462E+22	1,702461E+22	1,896018E+22	2,174382E+22
-2476	2,411926E+22	2,544980E+22	2,588938E+22	2,588944E+22	2,544978E+22	2,411880E+22	2,174331E+22	1,896009E+22	1,702483E+22	1,702493E+22	1,896014E+22	2,174299E+22
-2475	2,411807E+22	2,544873E+22	2,588830E+22	2,588844E+22	2,544915E+22	2,411870E+22	2,174369E+22	1,896068E+22	1,702530E+22	1,702511E+22	1,896016E+22	2,174306E+22
-2474	2,411853E+22	2,544992E+22	2,588974E+22	2,588940E+22	2,544939E+22	2,411844E+22	2,174337E+22	1,896063E+22	1,702560E+22	1,702570E+22	1,896093E+22	2,174390E+22
-2473	2,411884E+22	2,544945E+22	2,588910E+22	2,588901E+22	2,544923E+22	2,411842E+22	2,174344E+22	1,896079E+22	1,702583E+22	1,702583E+22	1,896063E+22	2,174299E+22
-2472	2,411769E+22	2,544846E+22	2,588862E+22	2,588904E+22	2,544948E+22	2,411857E+22	2,174348E+22	1,896081E+22	1,702582E+22	1,702583E+22	1,896086E+22	2,174372E+22
-2471	2,411909E+22	2,545010E+22	2,588978E+22	2,588964E+22	2,544972E+22	2,411860E+22	2,174327E+22	1,896044E+22	1,702554E+22	1,702584E+22	1,896121E+22	2,174405E+22
-2470	2,411875E+22	2,544912E+22	2,588853E+22	2,588850E+22	2,544911E+22	2,411864E+22	2,174367E+22	1,896078E+22	1,702555E+22	1,702543E+22	1,896039E+22	2,174306E+22
-2469	2,411803E+22	2,544910E+22	2,588922E+22	2,588921E+22	2,544937E+22	2,411860E+22	2,174367E+22	1,896087E+22	1,702555E+22	1,702532E+22	1,896039E+22	2,174368E+22
-2468	2,411938E+22	2,545022E+22	2,588976E+22	2,588961E+22	2,544968E+22	2,411861E+22	2,174331E+22	1,896039E+22	1,702529E+22	1,702535E+22	1,896036E+22	2,174293E+22
-2467	2,411797E+22	2,544889E+22	2,588860E+22	2,588866E+22	2,544923E+22	2,411861E+22	2,174350E+22	1,896049E+22	1,702512E+22	1,702495E+22	1,896000E+22	2,174277E+22
-2466	2,411796E+22	2,544939E+22	2,588965E+22	2,588959E+22	2,544965E+22	2,411859E+22	2,174322E+22	1,896015E+22	1,702490E+22	1,702500E+22	1,896045E+22	2,174378E+22
-2465	2,411889E+22	2,544931E+22	2,588904E+22	2,588916E+22	2,544952E+22	2,411863E+22	2,174321E+22	1,895997E+22	1,702464E+22	1,702474E+22	1,896001E+22	2,174287E+22
-2464	2,411789E+22	2,544842E+22	2,588815E+22	2,588863E+22	2,544943E+22	2,411870E+22	2,174332E+22	1,895999E+22	1,702442E+22	1,702432E+22	1,895973E+22	2,174312E+22
-2463	2,411896E+22	2,545023E+22	2,588970E+22	2,588930E+22	2,544947E+22	2,411851E+22	2,174304E+22	1,895973E+22	1,702430E+22	1,702441E+22	1,896011E+22	2,174361E+22
-2462	2,411885E+22	2,544950E+22	2,588892E+22	2,588857E+22	2,544890E+22	2,411826E+22	2,174311E+22	1,895994E+22	1,702447E+22	1,702436E+22	1,895956E+22	2,174255E+22
-2461	2,411773E+22	2,544880E+22	2,588909E+22	2,588927E+22	2,544939E+22	2,411835E+22	2,174311E+22	1,896005E+22	1,702462E+22	1,702451E+22	1,895981E+22	2,174323E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411906E+22	2,545006E+22	2,588975E+22	2,588980E+22	2,544993E+22	2,411863E+22	2,174295E+22	1,895974E+22	1,702461E+22	1,702491E+22	1,896036E+22	2,174323E+22
-2459	2,411819E+22	2,544891E+22	2,588846E+22	2,588853E+22	2,544925E+22	2,411868E+22	2,174342E+22	1,896019E+22	1,702478E+22	1,702476E+22	1,896003E+22	2,174292E+22
-2458	2,411797E+22	2,544912E+22	2,588928E+22	2,588926E+22	2,544949E+22	2,411868E+22	2,174352E+22	1,896055E+22	1,702528E+22	1,702525E+22	1,896049E+22	2,174380E+22
-2457	2,411918E+22	2,544974E+22	2,588929E+22	2,588916E+22	2,544937E+22	2,411857E+22	2,174350E+22	1,896071E+22	1,702568E+22	1,702573E+22	1,896063E+22	2,174307E+22
-2456	2,411794E+22	2,544858E+22	2,588831E+22	2,588858E+22	2,544917E+22	2,411852E+22	2,174365E+22	1,896104E+22	1,702599E+22	1,702582E+22	1,896058E+22	2,174311E+22
-2455	2,411841E+22	2,544978E+22	2,588973E+22	2,588951E+22	2,544950E+22	2,411849E+22	2,174346E+22	1,896097E+22	1,702619E+22	1,702633E+22	1,896142E+22	2,174416E+22
-2454	2,411885E+22	2,544931E+22	2,588895E+22	2,588883E+22	2,544906E+22	2,411834E+22	2,174349E+22	1,896105E+22	1,702632E+22	1,702643E+22	1,896119E+22	2,174335E+22
-2453	2,411779E+22	2,544835E+22	2,588853E+22	2,588894E+22	2,544930E+22	2,411857E+22	2,174378E+22	1,896125E+22	1,702627E+22	1,702618E+22	1,896104E+22	2,174379E+22
-2452	2,411914E+22	2,545004E+22	2,588962E+22	2,588952E+22	2,544969E+22	2,411873E+22	2,174361E+22	1,896097E+22	1,702615E+22	1,702633E+22	1,896139E+22	2,174392E+22
-2451	2,411867E+22	2,544932E+22	2,588876E+22	2,588841E+22	2,544882E+22	2,411846E+22	2,174375E+22	1,896114E+22	1,702608E+22	1,702591E+22	1,896060E+22	2,174298E+22
-2450	2,411785E+22	2,544898E+22	2,588934E+22	2,588935E+22	2,544930E+22	2,411844E+22	2,174363E+22	1,896114E+22	1,702617E+22	1,702602E+22	1,896075E+22	2,174353E+22
-2449	2,411897E+22	2,544982E+22	2,588955E+22	2,588956E+22	2,544963E+22	2,411852E+22	2,174333E+22	1,896070E+22	1,702590E+22	1,702608E+22	1,896099E+22	2,174320E+22
-2448	2,411781E+22	2,544843E+22	2,588821E+22	2,588859E+22	2,544933E+22	2,411864E+22	2,174350E+22	1,896061E+22	1,702544E+22	1,702537E+22	1,896037E+22	2,174304E+22
-2447	2,411808E+22	2,544923E+22	2,588933E+22	2,588933E+22	2,544954E+22	2,411867E+22	2,174344E+22	1,896046E+22	1,702523E+22	1,702528E+22	1,896072E+22	2,174406E+22
-2446	2,411916E+22	2,544944E+22	2,588889E+22	2,588873E+22	2,544901E+22	2,411830E+22	2,174323E+22	1,896029E+22	1,702509E+22	1,702515E+22	1,896030E+22	2,174301E+22
-2445	2,411799E+22	2,544856E+22	2,588833E+22	2,588857E+22	2,544904E+22	2,411841E+22	2,174342E+22	1,896039E+22	1,702492E+22	1,702472E+22	1,895985E+22	2,174297E+22
-2444	2,411878E+22	2,545014E+22	2,588981E+22	2,588952E+22	2,544956E+22	2,411848E+22	2,174310E+22	1,896009E+22	1,702493E+22	1,702508E+22	1,896048E+22	2,174348E+22
-2443	2,411859E+22	2,544948E+22	2,588908E+22	2,588871E+22	2,544895E+22	2,411823E+22	2,174308E+22	1,896010E+22	1,702490E+22	1,702492E+22	1,896002E+22	2,174274E+22
-2442	2,411763E+22	2,544855E+22	2,588899E+22	2,588932E+22	2,544951E+22	2,411851E+22	2,174327E+22	1,896034E+22	1,702517E+22	1,702515E+22	1,896024E+22	2,174331E+22
-2441	2,411892E+22	2,544973E+22	2,588938E+22	2,588953E+22	2,544980E+22	2,411873E+22	2,174332E+22	1,896035E+22	1,702532E+22	1,702556E+22	1,896083E+22	2,174346E+22
-2440	2,411823E+22	2,544870E+22	2,588816E+22	2,588837E+22	2,544917E+22	2,411868E+22	2,174367E+22	1,896075E+22	1,702549E+22	1,702535E+22	1,896030E+22	2,174296E+22
-2439	2,411801E+22	2,544916E+22	2,588925E+22	2,588911E+22	2,544923E+22	2,411859E+22	2,174378E+22	1,896117E+22	1,702609E+22	1,702594E+22	1,896091E+22	2,174388E+22
-2438	2,411907E+22	2,544966E+22	2,588927E+22	2,588900E+22	2,544895E+22	2,411813E+22	2,174341E+22	1,896112E+22	1,702648E+22	1,702661E+22	1,896132E+22	2,174332E+22
-2437	2,411781E+22	2,544839E+22	2,588830E+22	2,588860E+22	2,544900E+22	2,411835E+22	2,174369E+22	1,896136E+22	1,702658E+22	1,702650E+22	1,896110E+22	2,174333E+22
-2436	2,411834E+22	2,544954E+22	2,588953E+22	2,588948E+22	2,544957E+22	2,411860E+22	2,174361E+22	1,896128E+22	1,702673E+22	1,702696E+22	1,896190E+22	2,174433E+22
-2435	2,411893E+22	2,544942E+22	2,588895E+22	2,588869E+22	2,544889E+22	2,411828E+22	2,174359E+22	1,896130E+22	1,702668E+22	1,702680E+22	1,896147E+22	2,174355E+22
-2434	2,411799E+22	2,544851E+22	2,588861E+22	2,588892E+22	2,544920E+22	2,411853E+22	2,174389E+22	1,896163E+22	1,702685E+22	1,702666E+22	1,896116E+22	2,174359E+22
-2433	2,411892E+22	2,544997E+22	2,588962E+22	2,588945E+22	2,544950E+22	2,411861E+22	2,174379E+22	1,896151E+22	1,702687E+22	1,702694E+22	1,896168E+22	2,174384E+22
-2432	2,411836E+22	2,544900E+22	2,588871E+22	2,588869E+22	2,544902E+22	2,411843E+22	2,174377E+22	1,896144E+22	1,702663E+22	1,702646E+22	1,896091E+22	2,174296E+22
-2431	2,411763E+22	2,544870E+22	2,588915E+22	2,588937E+22	2,544942E+22	2,411857E+22	2,174379E+22	1,896143E+22	1,702661E+22	1,702650E+22	1,896122E+22	2,174377E+22
-2430	2,411882E+22	2,544947E+22	2,588917E+22	2,588922E+22	2,544935E+22	2,411840E+22	2,174340E+22	1,896094E+22	1,702630E+22	1,702658E+22	1,896153E+22	2,174361E+22
-2429	2,411794E+22	2,544830E+22	2,588796E+22	2,588830E+22	2,544901E+22	2,411855E+22	2,174372E+22	1,896096E+22	1,702582E+22	1,702569E+22	1,896058E+22	2,174317E+22
-2428	2,411823E+22	2,544930E+22	2,588917E+22	2,588908E+22	2,544932E+22	2,411859E+22	2,174360E+22	1,896087E+22	1,702579E+22	1,702575E+22	1,896091E+22	2,174397E+22
-2427	2,411918E+22	2,544978E+22	2,588916E+22	2,588867E+22	2,544865E+22	2,411797E+22	2,174314E+22	1,896052E+22	1,702555E+22	1,702561E+22	1,896055E+22	2,174304E+22
-2426	2,411793E+22	2,544859E+22	2,588855E+22	2,588884E+22	2,544905E+22	2,411820E+22	2,174326E+22	1,896060E+22	1,702551E+22	1,702535E+22	1,896019E+22	2,174286E+22
-2425	2,411839E+22	2,544979E+22	2,588966E+22	2,588959E+22	2,544965E+22	2,411852E+22	2,174321E+22	1,896043E+22	1,702551E+22	1,702573E+22	1,896102E+22	2,174371E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411842E+22	2,544905E+22	2,588878E+22	2,588881E+22	2,544917E+22	2,411841E+22	2,174328E+22	1,896040E+22	1,702534E+22	1,702538E+22	1,896037E+22	2,174293E+22
-2423	2,411770E+22	2,544842E+22	2,588867E+22	2,588908E+22	2,544943E+22	2,411869E+22	2,174370E+22	1,896091E+22	1,702574E+22	1,702560E+22	1,896057E+22	2,174348E+22
-2422	2,411893E+22	2,544971E+22	2,588919E+22	2,588911E+22	2,544930E+22	2,411846E+22	2,174349E+22	1,896094E+22	1,702611E+22	1,702626E+22	1,896127E+22	2,174361E+22
-2421	2,411822E+22	2,544873E+22	2,588823E+22	2,588824E+22	2,544876E+22	2,411840E+22	2,174382E+22	1,896131E+22	1,702631E+22	1,702608E+22	1,896065E+22	2,174291E+22
-2420	2,411781E+22	2,544903E+22	2,588924E+22	2,588920E+22	2,544922E+22	2,411846E+22	2,174382E+22	1,896162E+22	1,702691E+22	1,702683E+22	1,896150E+22	2,174395E+22
-2419	2,411892E+22	2,544968E+22	2,588934E+22	2,588903E+22	2,544887E+22	2,411799E+22	2,174333E+22	1,896131E+22	1,702698E+22	1,702728E+22	1,896193E+22	2,174371E+22
-2418	2,411787E+22	2,544826E+22	2,588824E+22	2,588867E+22	2,544905E+22	2,411837E+22	2,174373E+22	1,896162E+22	1,702711E+22	1,702708E+22	1,896150E+22	2,174349E+22
-2417	2,411831E+22	2,544937E+22	2,588931E+22	2,588934E+22	2,544951E+22	2,411868E+22	2,174392E+22	1,896179E+22	1,702734E+22	1,702749E+22	1,896226E+22	2,174452E+22
-2416	2,411897E+22	2,544933E+22	2,588885E+22	2,588870E+22	2,544890E+22	2,411830E+22	2,174378E+22	1,896172E+22	1,702724E+22	1,702722E+22	1,896157E+22	2,174343E+22
-2415	2,411789E+22	2,544853E+22	2,588863E+22	2,588890E+22	2,544910E+22	2,411852E+22	2,174414E+22	1,896215E+22	1,702749E+22	1,702720E+22	1,896147E+22	2,174352E+22
-2414	2,411855E+22	2,544971E+22	2,588951E+22	2,588935E+22	2,544926E+22	2,411832E+22	2,174374E+22	1,896186E+22	1,702753E+22	1,702766E+22	1,896224E+22	2,174403E+22
-2413	2,411813E+22	2,544863E+22	2,588844E+22	2,588852E+22	2,544888E+22	2,411837E+22	2,174386E+22	1,896170E+22	1,702710E+22	1,702699E+22	1,896134E+22	2,174318E+22
-2412	2,411757E+22	2,544840E+22	2,588873E+22	2,588910E+22	2,544934E+22	2,411863E+22	2,174395E+22	1,896172E+22	1,702704E+22	1,702698E+22	1,896161E+22	2,174399E+22
-2411	2,411900E+22	2,544965E+22	2,588905E+22	2,588886E+22	2,544895E+22	2,411816E+22	2,174339E+22	1,896112E+22	1,702657E+22	1,702685E+22	1,896176E+22	2,174387E+22
-2410	2,411821E+22	2,544859E+22	2,588810E+22	2,588822E+22	2,544875E+22	2,411828E+22	2,174362E+22	1,896121E+22	1,702631E+22	1,702607E+22	1,896065E+22	2,174301E+22
-2409	2,411809E+22	2,544937E+22	2,588934E+22	2,588915E+22	2,544918E+22	2,411838E+22	2,174360E+22	1,896123E+22	1,702638E+22	1,702629E+22	1,896118E+22	2,174393E+22
-2408	2,411893E+22	2,544958E+22	2,588926E+22	2,588910E+22	2,544896E+22	2,411796E+22	2,174310E+22	1,896072E+22	1,702601E+22	1,702608E+22	1,896080E+22	2,174300E+22
-2407	2,411772E+22	2,544841E+22	2,588848E+22	2,588899E+22	2,544932E+22	2,411847E+22	2,174354E+22	1,896096E+22	1,702597E+22	1,702584E+22	1,896063E+22	2,174303E+22
-2406	2,411813E+22	2,544942E+22	2,588934E+22	2,588937E+22	2,544952E+22	2,411854E+22	2,174346E+22	1,896090E+22	1,702612E+22	1,702632E+22	1,896150E+22	2,174401E+22
-2405	2,411844E+22	2,544885E+22	2,588847E+22	2,588849E+22	2,544896E+22	2,411849E+22	2,174369E+22	1,896101E+22	1,702602E+22	1,702594E+22	1,896066E+22	2,174302E+22
-2404	2,411772E+22	2,544840E+22	2,588845E+22	2,588876E+22	2,544916E+22	2,411864E+22	2,174398E+22	1,896156E+22	1,702662E+22	1,702639E+22	1,896097E+22	2,174345E+22
-2403	2,411882E+22	2,544987E+22	2,588930E+22	2,588895E+22	2,544887E+22	2,411805E+22	2,174342E+22	1,896132E+22	1,702685E+22	1,702705E+22	1,896183E+22	2,174384E+22
-2402	2,411817E+22	2,544870E+22	2,588835E+22	2,588839E+22	2,544869E+22	2,411807E+22	2,174357E+22	1,896158E+22	1,702708E+22	1,702694E+22	1,896124E+22	2,174306E+22
-2401	2,411760E+22	2,544874E+22	2,588903E+22	2,588915E+22	2,544922E+22	2,411839E+22	2,174381E+22	1,896190E+22	1,702752E+22	1,702756E+22	1,896214E+22	2,174435E+22
-2400	2,411892E+22	2,544939E+22	2,588913E+22	2,588913E+22	2,544903E+22	2,411808E+22	2,174345E+22	1,896155E+22	1,702737E+22	1,702768E+22	1,896222E+22	2,174394E+22
-2399	2,411808E+22	2,544837E+22	2,588815E+22	2,588854E+22	2,544901E+22	2,411851E+22	2,174409E+22	1,896211E+22	1,702757E+22	1,702742E+22	1,896172E+22	2,174355E+22
-2398	2,411821E+22	2,544935E+22	2,588926E+22	2,588910E+22	2,544915E+22	2,411848E+22	2,174409E+22	1,896233E+22	1,702803E+22	1,702803E+22	1,896250E+22	2,174450E+22
-2397	2,411882E+22	2,544927E+22	2,588891E+22	2,588868E+22	2,544875E+22	2,411824E+22	2,174399E+22	1,896221E+22	1,702793E+22	1,702783E+22	1,896182E+22	2,174328E+22
-2396	2,411758E+22	2,544829E+22	2,588847E+22	2,588889E+22	2,544916E+22	2,411855E+22	2,174426E+22	1,896255E+22	1,702818E+22	1,702795E+22	1,896193E+22	2,174352E+22
-2395	2,411830E+22	2,544956E+22	2,588935E+22	2,588918E+22	2,544911E+22	2,411822E+22	2,174371E+22	1,896202E+22	1,702793E+22	1,702819E+22	1,896275E+22	2,174442E+22
-2394	2,411822E+22	2,544850E+22	2,588827E+22	2,588840E+22	2,544876E+22	2,411823E+22	2,174382E+22	1,896193E+22	1,702757E+22	1,702745E+22	1,896163E+22	2,174336E+22
-2393	2,411761E+22	2,544830E+22	2,588848E+22	2,588881E+22	2,544912E+22	2,411852E+22	2,174408E+22	1,896210E+22	1,702753E+22	1,702741E+22	1,896189E+22	2,174418E+22
-2392	2,411909E+22	2,544969E+22	2,588912E+22	2,588891E+22	2,544884E+22	2,411800E+22	2,174341E+22	1,896140E+22	1,702700E+22	1,702718E+22	1,896183E+22	2,174378E+22
-2391	2,411818E+22	2,544876E+22	2,588834E+22	2,588836E+22	2,544871E+22	2,411820E+22	2,174372E+22	1,896155E+22	1,702678E+22	1,702653E+22	1,896094E+22	2,174296E+22
-2390	2,411771E+22	2,544913E+22	2,588933E+22	2,588922E+22	2,544914E+22	2,411822E+22	2,174354E+22	1,896149E+22	1,702694E+22	1,702693E+22	1,896165E+22	2,174410E+22
-2389	2,411873E+22	2,544925E+22	2,588904E+22	2,588903E+22	2,544906E+22	2,411815E+22	2,174330E+22	1,896099E+22	1,702647E+22	1,702659E+22	1,896116E+22	2,174314E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411762E+22	2,544813E+22	2,588809E+22	2,588874E+22	2,544934E+22	2,411868E+22	2,174388E+22	1,896144E+22	1,702658E+22	1,702644E+22	1,896101E+22	2,174318E+22
-2387	2,411818E+22	2,544946E+22	2,588914E+22	2,588899E+22	2,544916E+22	2,411837E+22	2,174361E+22	1,896133E+22	1,702669E+22	1,702684E+22	1,896183E+22	2,174425E+22
-2386	2,411857E+22	2,544895E+22	2,588849E+22	2,588833E+22	2,544862E+22	2,411815E+22	2,174365E+22	1,896149E+22	1,702684E+22	1,702664E+22	1,896096E+22	2,174297E+22
-2385	2,411752E+22	2,544831E+22	2,588847E+22	2,588872E+22	2,544895E+22	2,411837E+22	2,174399E+22	1,896202E+22	1,702742E+22	1,702722E+22	1,896153E+22	2,174364E+22
-2384	2,411867E+22	2,544964E+22	2,588932E+22	2,588918E+22	2,544896E+22	2,411792E+22	2,174332E+22	1,896153E+22	1,702739E+22	1,702770E+22	1,896229E+22	2,174402E+22
-2383	2,411812E+22	2,544862E+22	2,588831E+22	2,588844E+22	2,544881E+22	2,411822E+22	2,174375E+22	1,896188E+22	1,702752E+22	1,702750E+22	1,896177E+22	2,174336E+22
-2382	2,411752E+22	2,544852E+22	2,588883E+22	2,588899E+22	2,544910E+22	2,411837E+22	2,174398E+22	1,896231E+22	1,702809E+22	1,702812E+22	1,896255E+22	2,174464E+22
-2381	2,411907E+22	2,544935E+22	2,588893E+22	2,588886E+22	2,544892E+22	2,411822E+22	2,174383E+22	1,896210E+22	1,702801E+22	1,702816E+22	1,896236E+22	2,174388E+22
-2380	2,411803E+22	2,544842E+22	2,588810E+22	2,588837E+22	2,544887E+22	2,411855E+22	2,174443E+22	1,896278E+22	1,702842E+22	1,702813E+22	1,896198E+22	2,174337E+22
-2379	2,411795E+22	2,544936E+22	2,588936E+22	2,588904E+22	2,544885E+22	2,411817E+22	2,174409E+22	1,896275E+22	1,702874E+22	1,702875E+22	1,896294E+22	2,174457E+22
-2378	2,411859E+22	2,544904E+22	2,588889E+22	2,588876E+22	2,544871E+22	2,411799E+22	2,174382E+22	1,896250E+22	1,702864E+22	1,702859E+22	1,896231E+22	2,174339E+22
-2377	2,411731E+22	2,544789E+22	2,588814E+22	2,588868E+22	2,544909E+22	2,411853E+22	2,174431E+22	1,896281E+22	1,702870E+22	1,702859E+22	1,896252E+22	2,174393E+22
-2376	2,411834E+22	2,544925E+22	2,588909E+22	2,588907E+22	2,544906E+22	2,411819E+22	2,174376E+22	1,896219E+22	1,702821E+22	1,702849E+22	1,896297E+22	2,174466E+22
-2375	2,411851E+22	2,544869E+22	2,588826E+22	2,588822E+22	2,544859E+22	2,411821E+22	2,174399E+22	1,896225E+22	1,702789E+22	1,702774E+22	1,896183E+22	2,174343E+22
-2374	2,411760E+22	2,544839E+22	2,588858E+22	2,588868E+22	2,544878E+22	2,411822E+22	2,174405E+22	1,896242E+22	1,702806E+22	1,702786E+22	1,896208E+22	2,174418E+22
-2373	2,411901E+22	2,544968E+22	2,588926E+22	2,588901E+22	2,544887E+22	2,411801E+22	2,174350E+22	1,896169E+22	1,702751E+22	1,702767E+22	1,896201E+22	2,174364E+22
-2372	2,411792E+22	2,544859E+22	2,588833E+22	2,588850E+22	2,544894E+22	2,411838E+22	2,174389E+22	1,896188E+22	1,702734E+22	1,702716E+22	1,896132E+22	2,174295E+22
-2371	2,411745E+22	2,544889E+22	2,588918E+22	2,588912E+22	2,544912E+22	2,411828E+22	2,174368E+22	1,896173E+22	1,702734E+22	1,702742E+22	1,896207E+22	2,174439E+22
-2370	2,411876E+22	2,544906E+22	2,588885E+22	2,588891E+22	2,544901E+22	2,411815E+22	2,174344E+22	1,896142E+22	1,702709E+22	1,702713E+22	1,896146E+22	2,174327E+22
-2369	2,411762E+22	2,544798E+22	2,588776E+22	2,588830E+22	2,544905E+22	2,411863E+22	2,174412E+22	1,896198E+22	1,702729E+22	1,702708E+22	1,896139E+22	2,174334E+22
-2368	2,411816E+22	2,544934E+22	2,588911E+22	2,588888E+22	2,544889E+22	2,411816E+22	2,174367E+22	1,896175E+22	1,702736E+22	1,702744E+22	1,896210E+22	2,174427E+22
-2367	2,411855E+22	2,544903E+22	2,588865E+22	2,588838E+22	2,544846E+22	2,411792E+22	2,174366E+22	1,896187E+22	1,702748E+22	1,702738E+22	1,896152E+22	2,174310E+22
-2366	2,411724E+22	2,544803E+22	2,588839E+22	2,588868E+22	2,544879E+22	2,411809E+22	2,174383E+22	1,896227E+22	1,702806E+22	1,702799E+22	1,896217E+22	2,174400E+22
-2365	2,411866E+22	2,544940E+22	2,588912E+22	2,588905E+22	2,544901E+22	2,411809E+22	2,174350E+22	1,896179E+22	1,702788E+22	1,702826E+22	1,896270E+22	2,174424E+22
-2364	2,411820E+22	2,544855E+22	2,588814E+22	2,588826E+22	2,544879E+22	2,411839E+22	2,174409E+22	1,896236E+22	1,702812E+22	1,702806E+22	1,896206E+22	2,174343E+22
-2363	2,411761E+22	2,544867E+22	2,588881E+22	2,588874E+22	2,544880E+22	2,411825E+22	2,174417E+22	1,896277E+22	1,702869E+22	1,702862E+22	1,896276E+22	2,174467E+22
-2362	2,411909E+22	2,544947E+22	2,588912E+22	2,588889E+22	2,544874E+22	2,411798E+22	2,174386E+22	1,896265E+22	1,702887E+22	1,702885E+22	1,896259E+22	2,174368E+22
-2361	2,411768E+22	2,544819E+22	2,588808E+22	2,588838E+22	2,544881E+22	2,411845E+22	2,174454E+22	1,896328E+22	1,702924E+22	1,702897E+22	1,896252E+22	2,174347E+22
-2360	2,411762E+22	2,544889E+22	2,588926E+22	2,588920E+22	2,544898E+22	2,411817E+22	2,174411E+22	1,896300E+22	1,702927E+22	1,702938E+22	1,896340E+22	2,174476E+22
-2359	2,411852E+22	2,544882E+22	2,588873E+22	2,588869E+22	2,544872E+22	2,411811E+22	2,174402E+22	1,896279E+22	1,702903E+22	1,702913E+22	1,896288E+22	2,174372E+22
-2358	2,411728E+22	2,544762E+22	2,588784E+22	2,588837E+22	2,544882E+22	2,411840E+22	2,174440E+22	1,896313E+22	1,702916E+22	1,702907E+22	1,896292E+22	2,174428E+22
-2357	2,411862E+22	2,544931E+22	2,588891E+22	2,588870E+22	2,544883E+22	2,411824E+22	2,174397E+22	1,896253E+22	1,702867E+22	1,702886E+22	1,896309E+22	2,174461E+22
-2356	2,411856E+22	2,544886E+22	2,588839E+22	2,588814E+22	2,544842E+22	2,411814E+22	2,174415E+22	1,896267E+22	1,702850E+22	1,702828E+22	1,896202E+22	2,174328E+22
-2355	2,411747E+22	2,544846E+22	2,588878E+22	2,588876E+22	2,544862E+22	2,411795E+22	2,174393E+22	1,896261E+22	1,702852E+22	1,702839E+22	1,896242E+22	2,174423E+22
-2354	2,411886E+22	2,544948E+22	2,588924E+22	2,588915E+22	2,544897E+22	2,411788E+22	2,174337E+22	1,896190E+22	1,702804E+22	1,702821E+22	1,896235E+22	2,174367E+22
-2353	2,411766E+22	2,544819E+22	2,588802E+22	2,588832E+22	2,544897E+22	2,411853E+22	2,174410E+22	1,896219E+22	1,702780E+22	1,702769E+22	1,896179E+22	2,174326E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411743E+22	2,544852E+22	2,588891E+22	2,588897E+22	2,544900E+22	2,411831E+22	2,174388E+22	1,896205E+22	1,702772E+22	1,702775E+22	1,896225E+22	2,174446E+22
-2351	2,411888E+22	2,544914E+22	2,588879E+22	2,588864E+22	2,544873E+22	2,411809E+22	2,174369E+22	1,896187E+22	1,702759E+22	1,702762E+22	1,896178E+22	2,174329E+22
-2350	2,411749E+22	2,544792E+22	2,588778E+22	2,588810E+22	2,544862E+22	2,411825E+22	2,174408E+22	1,896241E+22	1,702803E+22	1,702779E+22	1,896179E+22	2,174344E+22
-2349	2,411814E+22	2,544926E+22	2,588909E+22	2,588880E+22	2,544879E+22	2,411808E+22	2,174369E+22	1,896208E+22	1,702801E+22	1,702815E+22	1,896251E+22	2,174427E+22
-2348	2,411841E+22	2,544891E+22	2,588865E+22	2,588844E+22	2,544856E+22	2,411799E+22	2,174377E+22	1,896221E+22	1,702813E+22	1,702813E+22	1,896205E+22	2,174327E+22
-2347	2,411720E+22	2,544791E+22	2,588833E+22	2,588862E+22	2,544870E+22	2,411804E+22	2,174391E+22	1,896254E+22	1,702854E+22	1,702855E+22	1,896263E+22	2,174432E+22
-2346	2,411879E+22	2,544933E+22	2,588905E+22	2,588902E+22	2,544897E+22	2,411804E+22	2,174365E+22	1,896230E+22	1,702857E+22	1,702882E+22	1,896297E+22	2,174427E+22
-2345	2,411816E+22	2,544848E+22	2,588803E+22	2,588805E+22	2,544865E+22	2,411845E+22	2,174443E+22	1,896299E+22	1,702892E+22	1,702876E+22	1,896244E+22	2,174347E+22
-2344	2,411743E+22	2,544847E+22	2,588889E+22	2,588880E+22	2,544866E+22	2,411815E+22	2,174434E+22	1,896329E+22	1,702944E+22	1,702930E+22	1,896306E+22	2,174454E+22
-2343	2,411886E+22	2,544936E+22	2,588921E+22	2,588900E+22	2,544872E+22	2,411792E+22	2,174398E+22	1,896307E+22	1,702955E+22	1,702967E+22	1,896324E+22	2,174380E+22
-2342	2,411733E+22	2,544773E+22	2,588781E+22	2,588823E+22	2,544866E+22	2,411828E+22	2,174449E+22	1,896358E+22	1,702989E+22	1,702976E+22	1,896320E+22	2,174389E+22
-2341	2,411768E+22	2,544856E+22	2,588882E+22	2,588884E+22	2,544890E+22	2,411833E+22	2,174430E+22	1,896327E+22	1,702971E+22	1,702989E+22	1,896381E+22	2,174503E+22
-2340	2,411873E+22	2,544881E+22	2,588852E+22	2,588840E+22	2,544853E+22	2,411813E+22	2,174427E+22	1,896320E+22	1,702951E+22	1,702956E+22	1,896314E+22	2,174387E+22
-2339	2,411752E+22	2,544783E+22	2,588787E+22	2,588813E+22	2,544840E+22	2,411810E+22	2,174439E+22	1,896340E+22	1,702956E+22	1,702941E+22	1,896307E+22	2,174432E+22
-2338	2,411872E+22	2,544953E+22	2,588921E+22	2,588885E+22	2,544866E+22	2,411791E+22	2,174387E+22	1,896287E+22	1,702925E+22	1,702933E+22	1,896321E+22	2,174440E+22
-2337	2,411829E+22	2,544875E+22	2,588850E+22	2,588828E+22	2,544847E+22	2,411811E+22	2,174418E+22	1,896294E+22	1,702901E+22	1,702885E+22	1,896239E+22	2,174327E+22
-2336	2,411713E+22	2,544805E+22	2,588875E+22	2,588897E+22	2,544881E+22	2,411807E+22	2,174401E+22	1,896279E+22	1,702886E+22	1,702878E+22	1,896268E+22	2,174423E+22
-2335	2,411872E+22	2,544926E+22	2,588913E+22	2,588916E+22	2,544906E+22	2,411809E+22	2,174366E+22	1,896220E+22	1,702836E+22	1,702863E+22	1,896276E+22	2,174383E+22
-2334	2,411754E+22	2,544784E+22	2,588764E+22	2,588798E+22	2,544868E+22	2,411845E+22	2,174430E+22	1,896266E+22	1,702837E+22	1,702820E+22	1,896214E+22	2,174350E+22
-2333	2,411760E+22	2,544844E+22	2,588859E+22	2,588851E+22	2,544872E+22	2,411835E+22	2,174414E+22	1,896254E+22	1,702836E+22	1,702829E+22	1,896248E+22	2,174439E+22
-2332	2,411884E+22	2,544920E+22	2,588885E+22	2,588850E+22	2,544841E+22	2,411789E+22	2,174383E+22	1,896239E+22	1,702837E+22	1,702837E+22	1,896219E+22	2,174329E+22
-2331	2,411738E+22	2,544788E+22	2,588786E+22	2,588812E+22	2,544836E+22	2,411785E+22	2,174388E+22	1,896261E+22	1,702861E+22	1,702852E+22	1,896237E+22	2,174368E+22
-2330	2,411811E+22	2,544914E+22	2,588909E+22	2,588891E+22	2,544879E+22	2,411786E+22	2,174352E+22	1,896230E+22	1,702861E+22	1,702882E+22	1,896301E+22	2,174445E+22
-2329	2,411833E+22	2,544866E+22	2,588845E+22	2,588834E+22	2,544858E+22	2,411812E+22	2,174395E+22	1,896254E+22	1,702865E+22	1,702873E+22	1,896256E+22	2,174358E+22
-2328	2,411726E+22	2,544774E+22	2,588826E+22	2,588860E+22	2,544866E+22	2,411811E+22	2,174417E+22	1,896296E+22	1,702903E+22	1,702895E+22	1,896281E+22	2,174432E+22
-2327	2,411887E+22	2,544947E+22	2,588916E+22	2,588898E+22	2,544886E+22	2,411808E+22	2,174398E+22	1,896286E+22	1,702920E+22	1,702941E+22	1,896330E+22	2,174419E+22
-2326	2,411789E+22	2,544829E+22	2,588804E+22	2,588802E+22	2,544840E+22	2,411825E+22	2,174457E+22	1,896358E+22	1,702979E+22	1,702958E+22	1,896292E+22	2,174356E+22
-2325	2,411728E+22	2,544818E+22	2,588866E+22	2,588870E+22	2,544870E+22	2,411827E+22	2,174452E+22	1,896373E+22	1,703018E+22	1,703010E+22	1,896357E+22	2,174456E+22
-2324	2,411861E+22	2,544908E+22	2,588903E+22	2,588892E+22	2,544874E+22	2,411803E+22	2,174421E+22	1,896351E+22	1,703022E+22	1,703043E+22	1,896383E+22	2,174410E+22
-2323	2,411739E+22	2,544757E+22	2,588759E+22	2,588799E+22	2,544840E+22	2,411813E+22	2,174453E+22	1,896384E+22	1,703035E+22	1,703030E+22	1,896369E+22	2,174431E+22
-2322	2,411799E+22	2,544861E+22	2,588866E+22	2,588861E+22	2,544860E+22	2,411805E+22	2,174431E+22	1,896367E+22	1,703028E+22	1,703032E+22	1,896400E+22	2,174507E+22
-2321	2,411881E+22	2,544893E+22	2,588850E+22	2,588820E+22	2,544827E+22	2,411801E+22	2,174441E+22	1,896362E+22	1,703009E+22	1,703007E+22	1,896340E+22	2,174388E+22
-2320	2,411740E+22	2,544785E+22	2,588817E+22	2,588834E+22	2,544826E+22	2,411786E+22	2,174437E+22	1,896367E+22	1,703001E+22	1,702981E+22	1,896321E+22	2,174412E+22
-2319	2,411847E+22	2,544946E+22	2,588939E+22	2,588912E+22	2,544877E+22	2,411787E+22	2,174389E+22	1,896306E+22	1,702964E+22	1,702986E+22	1,896365E+22	2,174438E+22
-2318	2,411786E+22	2,544829E+22	2,588827E+22	2,588828E+22	2,544850E+22	2,411812E+22	2,174422E+22	1,896316E+22	1,702947E+22	1,702940E+22	1,896287E+22	2,174356E+22
-2317	2,411713E+22	2,544768E+22	2,588822E+22	2,588862E+22	2,544883E+22	2,411835E+22	2,174430E+22	1,896309E+22	1,702925E+22	1,702918E+22	1,896294E+22	2,174429E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411872E+22	2,544917E+22	2,588888E+22	2,588886E+22	2,544886E+22	2,411815E+22	2,174399E+22	1,896272E+22	1,702893E+22	1,702909E+22	1,896298E+22	2,174391E+22
-2315	2,411767E+22	2,544794E+22	2,588758E+22	2,588769E+22	2,544820E+22	2,411806E+22	2,174428E+22	1,896302E+22	1,702895E+22	1,702872E+22	1,896244E+22	2,174359E+22
-2314	2,411765E+22	2,544854E+22	2,588872E+22	2,588853E+22	2,544842E+22	2,411788E+22	2,174401E+22	1,896295E+22	1,702908E+22	1,702895E+22	1,896283E+22	2,174434E+22
-2313	2,411862E+22	2,544907E+22	2,588886E+22	2,588859E+22	2,544842E+22	2,411781E+22	2,174382E+22	1,896268E+22	1,702898E+22	1,702910E+22	1,896280E+22	2,174351E+22
-2312	2,411718E+22	2,544761E+22	2,588791E+22	2,588832E+22	2,544846E+22	2,411789E+22	2,174393E+22	1,896280E+22	1,702899E+22	1,702899E+22	1,896276E+22	2,174386E+22
-2311	2,411813E+22	2,544907E+22	2,588908E+22	2,588900E+22	2,544891E+22	2,411805E+22	2,174380E+22	1,896263E+22	1,702901E+22	1,702932E+22	1,896347E+22	2,174466E+22
-2310	2,411830E+22	2,544848E+22	2,588821E+22	2,588815E+22	2,544843E+22	2,411813E+22	2,174424E+22	1,896311E+22	1,702935E+22	1,702932E+22	1,896291E+22	2,174374E+22
-2309	2,411737E+22	2,544772E+22	2,588801E+22	2,588828E+22	2,544853E+22	2,411828E+22	2,174455E+22	1,896361E+22	1,702985E+22	1,702963E+22	1,896307E+22	2,174414E+22
-2308	2,411863E+22	2,544944E+22	2,588924E+22	2,588898E+22	2,544870E+22	2,411800E+22	2,174425E+22	1,896355E+22	1,703016E+22	1,703027E+22	1,896376E+22	2,174422E+22
-2307	2,411768E+22	2,544803E+22	2,588791E+22	2,588795E+22	2,544816E+22	2,411792E+22	2,174448E+22	1,896395E+22	1,703054E+22	1,703043E+22	1,896359E+22	2,174387E+22
-2306	2,411724E+22	2,544793E+22	2,588841E+22	2,588859E+22	2,544854E+22	2,411803E+22	2,174448E+22	1,896408E+22	1,703084E+22	1,703080E+22	1,896414E+22	2,174485E+22
-2305	2,411860E+22	2,544889E+22	2,588871E+22	2,588861E+22	2,544853E+22	2,411801E+22	2,174436E+22	1,896384E+22	1,703072E+22	1,703098E+22	1,896432E+22	2,174444E+22
-2304	2,411750E+22	2,544758E+22	2,588758E+22	2,588785E+22	2,544814E+22	2,411796E+22	2,174460E+22	1,896412E+22	1,703071E+22	1,703058E+22	1,896380E+22	2,174432E+22
-2303	2,411812E+22	2,544893E+22	2,588895E+22	2,588869E+22	2,544846E+22	2,411790E+22	2,174437E+22	1,896396E+22	1,703072E+22	1,703076E+22	1,896423E+22	2,174495E+22
-2302	2,411856E+22	2,544883E+22	2,588862E+22	2,588836E+22	2,544818E+22	2,411779E+22	2,174437E+22	1,896394E+22	1,703069E+22	1,703064E+22	1,896371E+22	2,174388E+22
-2301	2,411722E+22	2,544762E+22	2,588799E+22	2,588840E+22	2,544852E+22	2,411810E+22	2,174450E+22	1,896394E+22	1,703050E+22	1,703033E+22	1,896350E+22	2,174402E+22
-2300	2,411811E+22	2,544917E+22	2,588926E+22	2,588915E+22	2,544893E+22	2,411812E+22	2,174420E+22	1,896347E+22	1,703014E+22	1,703034E+22	1,896399E+22	2,174455E+22
-2299	2,411780E+22	2,544798E+22	2,588793E+22	2,588804E+22	2,544832E+22	2,411805E+22	2,174437E+22	1,896349E+22	1,702990E+22	1,702983E+22	1,896324E+22	2,174386E+22
-2298	2,411731E+22	2,544764E+22	2,588791E+22	2,588829E+22	2,544850E+22	2,411813E+22	2,174443E+22	1,896359E+22	1,702986E+22	1,702965E+22	1,896317E+22	2,174432E+22
-2297	2,411867E+22	2,544918E+22	2,588874E+22	2,588855E+22	2,544851E+22	2,411798E+22	2,174413E+22	1,896318E+22	1,702960E+22	1,702972E+22	1,896338E+22	2,174400E+22
-2296	2,411753E+22	2,544793E+22	2,588779E+22	2,588779E+22	2,544796E+22	2,411771E+22	2,174415E+22	1,896327E+22	1,702948E+22	1,702928E+22	1,896279E+22	2,174362E+22
-2295	2,411754E+22	2,544854E+22	2,588886E+22	2,588875E+22	2,544847E+22	2,411772E+22	2,174388E+22	1,896307E+22	1,702952E+22	1,702960E+22	1,896341E+22	2,174453E+22
-2294	2,411840E+22	2,544874E+22	2,588865E+22	2,588857E+22	2,544843E+22	2,411778E+22	2,174385E+22	1,896292E+22	1,702946E+22	1,702968E+22	1,896332E+22	2,174393E+22
-2293	2,411736E+22	2,544747E+22	2,588752E+22	2,588808E+22	2,544854E+22	2,411818E+22	2,174426E+22	1,896319E+22	1,702946E+22	1,702941E+22	1,896300E+22	2,174389E+22
-2292	2,411811E+22	2,544911E+22	2,588901E+22	2,588885E+22	2,544879E+22	2,411817E+22	2,174425E+22	1,896331E+22	1,702973E+22	1,702982E+22	1,896364E+22	2,174466E+22
-2291	2,411831E+22	2,544854E+22	2,588825E+22	2,588803E+22	2,544811E+22	2,411787E+22	2,174436E+22	1,896367E+22	1,703016E+22	1,703003E+22	1,896326E+22	2,174377E+22
-2290	2,411729E+22	2,544770E+22	2,588800E+22	2,588828E+22	2,544829E+22	2,411793E+22	2,174457E+22	1,896420E+22	1,703075E+22	1,703046E+22	1,896351E+22	2,174406E+22
-2289	2,411822E+22	2,544910E+22	2,588905E+22	2,588895E+22	2,544870E+22	2,411798E+22	2,174436E+22	1,896399E+22	1,703094E+22	1,703115E+22	1,896446E+22	2,174450E+22
-2288	2,411745E+22	2,544774E+22	2,588785E+22	2,588796E+22	2,544809E+22	2,411783E+22	2,174451E+22	1,896422E+22	1,703104E+22	1,703101E+22	1,896408E+22	2,174417E+22
-2287	2,411733E+22	2,544788E+22	2,588831E+22	2,588851E+22	2,544844E+22	2,411798E+22	2,174459E+22	1,896436E+22	1,703128E+22	1,703135E+22	1,896462E+22	2,174510E+22
-2286	2,411864E+22	2,544881E+22	2,588851E+22	2,588837E+22	2,544829E+22	2,411788E+22	2,174449E+22	1,896428E+22	1,703133E+22	1,703152E+22	1,896465E+22	2,174465E+22
-2285	2,411767E+22	2,544771E+22	2,588749E+22	2,588767E+22	2,544805E+22	2,411801E+22	2,174477E+22	1,896453E+22	1,703131E+22	1,703109E+22	1,896396E+22	2,174411E+22
-2284	2,411785E+22	2,544894E+22	2,588917E+22	2,588888E+22	2,544847E+22	2,411785E+22	2,174452E+22	1,896441E+22	1,703137E+22	1,703134E+22	1,896451E+22	2,174494E+22
-2283	2,411833E+22	2,544855E+22	2,588853E+22	2,588844E+22	2,544820E+22	2,411764E+22	2,174426E+22	1,896413E+22	1,703118E+22	1,703123E+22	1,896417E+22	2,174410E+22
-2282	2,411715E+22	2,544735E+22	2,588766E+22	2,588826E+22	2,544847E+22	2,411804E+22	2,174460E+22	1,896427E+22	1,703097E+22	1,703080E+22	1,896386E+22	2,174416E+22
-2281	2,411797E+22	2,544887E+22	2,588886E+22	2,588884E+22	2,544881E+22	2,411822E+22	2,174448E+22	1,896387E+22	1,703060E+22	1,703078E+22	1,896434E+22	2,174477E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411781E+22	2,544798E+22	2,588788E+22	2,588780E+22	2,544798E+22	2,411786E+22	2,174446E+22	1,896384E+22	1,703032E+22	1,703014E+22	1,896336E+22	2,174388E+22
-2279	2,411739E+22	2,544787E+22	2,588810E+22	2,588825E+22	2,544825E+22	2,411787E+22	2,174442E+22	1,896386E+22	1,703036E+22	1,703021E+22	1,896351E+22	2,174431E+22
-2278	2,411845E+22	2,544906E+22	2,588876E+22	2,588858E+22	2,544836E+22	2,411771E+22	2,174403E+22	1,896347E+22	1,703021E+22	1,703038E+22	1,896383E+22	2,174419E+22
-2277	2,411747E+22	2,544779E+22	2,588761E+22	2,588780E+22	2,544818E+22	2,411788E+22	2,174419E+22	1,896347E+22	1,702995E+22	1,702984E+22	1,896317E+22	2,174368E+22
-2276	2,411737E+22	2,544843E+22	2,588887E+22	2,588885E+22	2,544863E+22	2,411792E+22	2,174415E+22	1,896345E+22	1,703003E+22	1,703006E+22	1,896374E+22	2,174481E+22
-2275	2,411849E+22	2,544857E+22	2,588841E+22	2,588842E+22	2,544831E+22	2,411772E+22	2,174400E+22	1,896332E+22	1,703000E+22	1,703016E+22	1,896363E+22	2,174415E+22
-2274	2,411753E+22	2,544754E+22	2,588736E+22	2,588784E+22	2,544827E+22	2,411803E+22	2,174453E+22	1,896388E+22	1,703025E+22	1,703001E+22	1,896323E+22	2,174379E+22
-2273	2,411786E+22	2,544904E+22	2,588899E+22	2,588869E+22	2,544854E+22	2,411807E+22	2,174451E+22	1,896396E+22	1,703063E+22	1,703064E+22	1,896407E+22	2,174461E+22
-2272	2,411792E+22	2,544835E+22	2,588837E+22	2,588810E+22	2,544792E+22	2,411758E+22	2,174433E+22	1,896408E+22	1,703092E+22	1,703083E+22	1,896377E+22	2,174385E+22
-2271	2,411706E+22	2,544751E+22	2,588795E+22	2,588834E+22	2,544833E+22	2,411782E+22	2,174450E+22	1,896440E+22	1,703138E+22	1,703134E+22	1,896426E+22	2,174438E+22
-2270	2,411802E+22	2,544866E+22	2,588864E+22	2,588869E+22	2,544856E+22	2,411791E+22	2,174440E+22	1,896429E+22	1,703153E+22	1,703185E+22	1,896509E+22	2,174502E+22
-2269	2,411773E+22	2,544764E+22	2,588742E+22	2,588761E+22	2,544803E+22	2,411794E+22	2,174471E+22	1,896456E+22	1,703154E+22	1,703148E+22	1,896436E+22	2,174430E+22
-2268	2,411745E+22	2,544807E+22	2,588840E+22	2,588840E+22	2,544826E+22	2,411792E+22	2,174482E+22	1,896488E+22	1,703190E+22	1,703178E+22	1,896476E+22	2,174517E+22
-2267	2,411870E+22	2,544890E+22	2,588865E+22	2,588837E+22	2,544804E+22	2,411757E+22	2,174446E+22	1,896465E+22	1,703195E+22	1,703208E+22	1,896491E+22	2,174464E+22
-2266	2,411760E+22	2,544774E+22	2,588761E+22	2,588781E+22	2,544799E+22	2,411781E+22	2,174482E+22	1,896496E+22	1,703195E+22	1,703170E+22	1,896426E+22	2,174398E+22
-2265	2,411741E+22	2,544861E+22	2,588905E+22	2,588893E+22	2,544864E+22	2,411804E+22	2,174473E+22	1,896476E+22	1,703192E+22	1,703196E+22	1,896495E+22	2,174506E+22
-2264	2,411804E+22	2,544825E+22	2,588844E+22	2,588841E+22	2,544822E+22	2,411772E+22	2,174442E+22	1,896439E+22	1,703155E+22	1,703162E+22	1,896447E+22	2,174429E+22
-2263	2,411721E+22	2,544727E+22	2,588746E+22	2,588806E+22	2,544838E+22	2,411806E+22	2,174476E+22	1,896455E+22	1,703139E+22	1,703128E+22	1,896420E+22	2,174431E+22
-2262	2,411792E+22	2,544870E+22	2,588855E+22	2,588844E+22	2,544848E+22	2,411807E+22	2,174463E+22	1,896432E+22	1,703122E+22	1,703131E+22	1,896463E+22	2,174496E+22
-2261	2,411795E+22	2,544805E+22	2,588777E+22	2,588758E+22	2,544778E+22	2,411773E+22	2,174453E+22	1,896422E+22	1,703093E+22	1,703071E+22	1,896360E+22	2,174378E+22
-2260	2,411716E+22	2,544785E+22	2,588831E+22	2,588840E+22	2,544817E+22	2,411766E+22	2,174439E+22	1,896419E+22	1,703096E+22	1,703079E+22	1,896389E+22	2,174447E+22
-2259	2,411834E+22	2,544883E+22	2,588869E+22	2,588861E+22	2,544832E+22	2,411750E+22	2,174386E+22	1,896358E+22	1,703066E+22	1,703098E+22	1,896434E+22	2,174452E+22
-2258	2,411758E+22	2,544771E+22	2,588743E+22	2,588765E+22	2,544807E+22	2,411781E+22	2,174430E+22	1,896377E+22	1,703037E+22	1,703029E+22	1,896347E+22	2,174379E+22
-2257	2,411727E+22	2,544826E+22	2,588864E+22	2,588864E+22	2,544857E+22	2,411806E+22	2,174446E+22	1,896391E+22	1,703056E+22	1,703053E+22	1,896398E+22	2,174485E+22
-2256	2,411842E+22	2,544863E+22	2,588854E+22	2,588834E+22	2,544812E+22	2,411760E+22	2,174414E+22	1,896377E+22	1,703060E+22	1,703063E+22	1,896378E+22	2,174408E+22
-2255	2,411743E+22	2,544762E+22	2,588754E+22	2,588788E+22	2,544814E+22	2,411787E+22	2,174458E+22	1,896428E+22	1,703100E+22	1,703082E+22	1,896368E+22	2,174374E+22
-2254	2,411745E+22	2,544862E+22	2,588882E+22	2,588866E+22	2,544849E+22	2,411796E+22	2,174458E+22	1,896443E+22	1,703146E+22	1,703154E+22	1,896471E+22	2,174487E+22
-2253	2,411781E+22	2,544803E+22	2,588802E+22	2,588797E+22	2,544805E+22	2,411773E+22	2,174447E+22	1,896444E+22	1,703157E+22	1,703159E+22	1,896435E+22	2,174406E+22
-2252	2,411694E+22	2,544732E+22	2,588783E+22	2,588824E+22	2,544829E+22	2,411790E+22	2,174476E+22	1,896486E+22	1,703198E+22	1,703192E+22	1,896474E+22	2,174483E+22
-2251	2,411825E+22	2,544854E+22	2,588839E+22	2,588840E+22	2,544829E+22	2,411773E+22	2,174447E+22	1,896468E+22	1,703212E+22	1,703242E+22	1,896547E+22	2,174532E+22
-2250	2,411806E+22	2,544789E+22	2,588741E+22	2,588734E+22	2,544766E+22	2,411772E+22	2,174488E+22	1,896512E+22	1,703222E+22	1,703204E+22	1,896457E+22	2,174421E+22
-2249	2,411730E+22	2,544812E+22	2,588856E+22	2,588843E+22	2,544813E+22	2,411783E+22	2,174499E+22	1,896538E+22	1,703263E+22	1,703247E+22	1,896509E+22	2,174506E+22
-2248	2,411838E+22	2,544880E+22	2,588889E+22	2,588860E+22	2,544805E+22	2,411740E+22	2,174440E+22	1,896493E+22	1,703251E+22	1,703267E+22	1,896527E+22	2,174466E+22
-2247	2,411737E+22	2,544754E+22	2,588760E+22	2,588793E+22	2,544816E+22	2,411788E+22	2,174482E+22	1,896510E+22	1,703242E+22	1,703236E+22	1,896480E+22	2,174416E+22
-2246	2,411714E+22	2,544807E+22	2,588861E+22	2,588866E+22	2,544857E+22	2,411815E+22	2,174495E+22	1,896510E+22	1,703240E+22	1,703248E+22	1,896537E+22	2,174537E+22
-2245	2,411818E+22	2,544806E+22	2,588798E+22	2,588801E+22	2,544813E+22	2,411784E+22	2,174469E+22	1,896478E+22	1,703201E+22	1,703201E+22	1,896465E+22	2,174430E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411724E+22	2,544741E+22	2,588754E+22	2,588787E+22	2,544809E+22	2,411793E+22	2,174493E+22	1,896503E+22	1,703198E+22	1,703169E+22	1,896436E+22	2,174441E+22
-2243	2,411799E+22	2,544868E+22	2,588857E+22	2,588830E+22	2,544811E+22	2,411763E+22	2,174445E+22	1,896458E+22	1,703180E+22	1,703190E+22	1,896495E+22	2,174503E+22
-2242	2,411797E+22	2,544807E+22	2,588784E+22	2,588762E+22	2,544763E+22	2,411746E+22	2,174445E+22	1,896448E+22	1,703144E+22	1,703129E+22	1,896397E+22	2,174378E+22
-2241	2,411689E+22	2,544763E+22	2,588829E+22	2,588849E+22	2,544830E+22	2,411776E+22	2,174448E+22	1,896440E+22	1,703138E+22	1,703133E+22	1,896432E+22	2,174462E+22
-2240	2,411818E+22	2,544865E+22	2,588870E+22	2,588862E+22	2,544834E+22	2,411755E+22	2,174396E+22	1,896378E+22	1,703097E+22	1,703131E+22	1,896459E+22	2,174468E+22
-2239	2,411768E+22	2,544772E+22	2,588739E+22	2,588758E+22	2,544809E+22	2,411792E+22	2,174448E+22	1,896408E+22	1,703087E+22	1,703082E+22	1,896377E+22	2,174383E+22
-2238	2,411714E+22	2,544804E+22	2,588841E+22	2,588833E+22	2,544834E+22	2,411806E+22	2,174475E+22	1,896450E+22	1,703133E+22	1,703120E+22	1,896429E+22	2,174487E+22
-2237	2,411835E+22	2,544852E+22	2,588840E+22	2,588821E+22	2,544804E+22	2,411757E+22	2,174433E+22	1,896431E+22	1,703140E+22	1,703140E+22	1,896417E+22	2,174399E+22
-2236	2,411712E+22	2,544744E+22	2,588760E+22	2,588795E+22	2,544808E+22	2,411774E+22	2,174466E+22	1,896478E+22	1,703181E+22	1,703162E+22	1,896426E+22	2,174406E+22
-2235	2,411736E+22	2,544819E+22	2,588848E+22	2,588844E+22	2,544832E+22	2,411776E+22	2,174450E+22	1,896470E+22	1,703210E+22	1,703233E+22	1,896538E+22	2,174534E+22
-2234	2,411804E+22	2,544794E+22	2,588776E+22	2,588765E+22	2,544772E+22	2,411760E+22	2,174464E+22	1,896486E+22	1,703213E+22	1,703219E+22	1,896480E+22	2,174431E+22
-2233	2,411704E+22	2,544731E+22	2,588772E+22	2,588801E+22	2,544807E+22	2,411788E+22	2,174500E+22	1,896533E+22	1,703259E+22	1,703246E+22	1,896505E+22	2,174491E+22
-2232	2,411829E+22	2,544879E+22	2,588868E+22	2,588837E+22	2,544803E+22	2,411751E+22	2,174453E+22	1,896507E+22	1,703271E+22	1,703292E+22	1,896565E+22	2,174525E+22
-2231	2,411803E+22	2,544809E+22	2,588779E+22	2,588759E+22	2,544767E+22	2,411759E+22	2,174485E+22	1,896541E+22	1,703289E+22	1,703278E+22	1,896494E+22	2,174407E+22
-2230	2,411688E+22	2,544774E+22	2,588847E+22	2,588854E+22	2,544827E+22	2,411790E+22	2,174512E+22	1,896579E+22	1,703333E+22	1,703321E+22	1,896557E+22	2,174516E+22
-2229	2,411819E+22	2,544845E+22	2,588859E+22	2,588860E+22	2,544833E+22	2,411768E+22	2,174465E+22	1,896528E+22	1,703304E+22	1,703325E+22	1,896567E+22	2,174475E+22
-2228	2,411718E+22	2,544724E+22	2,588742E+22	2,588782E+22	2,544814E+22	2,411803E+22	2,174517E+22	1,896559E+22	1,703295E+22	1,703280E+22	1,896515E+22	2,174450E+22
-2227	2,411725E+22	2,544777E+22	2,588819E+22	2,588824E+22	2,544823E+22	2,411799E+22	2,174507E+22	1,896551E+22	1,703296E+22	1,703299E+22	1,896571E+22	2,174558E+22
-2226	2,411843E+22	2,544822E+22	2,588790E+22	2,588761E+22	2,544756E+22	2,411753E+22	2,174482E+22	1,896525E+22	1,703259E+22	1,703254E+22	1,896490E+22	2,174421E+22
-2225	2,411707E+22	2,544737E+22	2,588764E+22	2,588783E+22	2,544784E+22	2,411767E+22	2,174492E+22	1,896533E+22	1,703256E+22	1,703232E+22	1,896474E+22	2,174438E+22
-2224	2,411777E+22	2,544863E+22	2,588877E+22	2,588846E+22	2,544805E+22	2,411736E+22	2,174419E+22	1,896462E+22	1,703216E+22	1,703240E+22	1,896535E+22	2,174518E+22
-2223	2,411793E+22	2,544798E+22	2,588788E+22	2,588774E+22	2,544776E+22	2,411747E+22	2,174431E+22	1,896443E+22	1,703173E+22	1,703180E+22	1,896441E+22	2,174398E+22
-2222	2,411679E+22	2,544726E+22	2,588796E+22	2,588830E+22	2,544829E+22	2,411793E+22	2,174473E+22	1,896471E+22	1,703176E+22	1,703171E+22	1,896460E+22	2,174481E+22
-2221	2,411834E+22	2,544858E+22	2,588842E+22	2,588842E+22	2,544834E+22	2,411771E+22	2,174429E+22	1,896425E+22	1,703146E+22	1,703166E+22	1,896467E+22	2,174455E+22
-2220	2,411759E+22	2,544779E+22	2,588755E+22	2,588755E+22	2,544791E+22	2,411789E+22	2,174480E+22	1,896470E+22	1,703159E+22	1,703133E+22	1,896399E+22	2,174386E+22
-2219	2,411701E+22	2,544777E+22	2,588830E+22	2,588823E+22	2,544809E+22	2,411779E+22	2,174477E+22	1,896497E+22	1,703214E+22	1,703203E+22	1,896478E+22	2,174493E+22
-2218	2,411824E+22	2,544837E+22	2,588830E+22	2,588809E+22	2,544782E+22	2,411743E+22	2,174445E+22	1,896477E+22	1,703214E+22	1,703223E+22	1,896476E+22	2,174410E+22
-2217	2,411688E+22	2,544713E+22	2,588745E+22	2,588787E+22	2,544805E+22	2,411780E+22	2,174484E+22	1,896517E+22	1,703247E+22	1,703238E+22	1,896488E+22	2,174436E+22
-2216	2,411739E+22	2,544811E+22	2,588840E+22	2,588830E+22	2,544811E+22	2,411762E+22	2,174456E+22	1,896502E+22	1,703262E+22	1,703287E+22	1,896580E+22	2,174563E+22
-2215	2,411831E+22	2,544811E+22	2,588780E+22	2,588757E+22	2,544760E+22	2,411751E+22	2,174469E+22	1,896519E+22	1,703275E+22	1,703285E+22	1,896518E+22	2,174439E+22
-2214	2,411701E+22	2,544728E+22	2,588772E+22	2,588787E+22	2,544785E+22	2,411780E+22	2,174522E+22	1,896589E+22	1,703335E+22	1,703316E+22	1,896540E+22	2,174490E+22
-2213	2,411818E+22	2,544870E+22	2,588872E+22	2,588850E+22	2,544809E+22	2,411749E+22	2,174468E+22	1,896555E+22	1,703343E+22	1,703362E+22	1,896600E+22	2,174512E+22
-2212	2,411765E+22	2,544788E+22	2,588793E+22	2,588785E+22	2,544783E+22	2,411766E+22	2,174500E+22	1,896584E+22	1,703357E+22	1,703345E+22	1,896546E+22	2,174436E+22
-2211	2,411673E+22	2,544718E+22	2,588802E+22	2,588832E+22	2,544819E+22	2,411788E+22	2,174518E+22	1,896607E+22	1,703388E+22	1,703387E+22	1,896610E+22	2,174545E+22
-2210	2,411829E+22	2,544825E+22	2,588820E+22	2,588817E+22	2,544798E+22	2,411766E+22	2,174495E+22	1,896572E+22	1,703352E+22	1,703372E+22	1,896601E+22	2,174489E+22
-2209	2,411720E+22	2,544717E+22	2,588724E+22	2,588751E+22	2,544781E+22	2,411791E+22	2,174537E+22	1,896604E+22	1,703350E+22	1,703327E+22	1,896541E+22	2,174453E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411728E+22	2,544794E+22	2,588831E+22	2,588806E+22	2,544778E+22	2,411758E+22	2,174497E+22	1,896578E+22	1,703344E+22	1,703343E+22	1,896591E+22	2,174556E+22
-2207	2,411845E+22	2,544837E+22	2,588816E+22	2,588779E+22	2,544748E+22	2,411725E+22	2,174458E+22	1,896533E+22	1,703308E+22	1,703317E+22	1,896529E+22	2,174420E+22
-2206	2,411681E+22	2,544711E+22	2,588756E+22	2,588789E+22	2,544790E+22	2,411768E+22	2,174492E+22	1,896551E+22	1,703297E+22	1,703285E+22	1,896516E+22	2,174454E+22
-2205	2,411770E+22	2,544839E+22	2,588858E+22	2,588854E+22	2,544829E+22	2,411758E+22	2,174437E+22	1,896482E+22	1,703246E+22	1,703274E+22	1,896561E+22	2,174525E+22
-2204	2,411786E+22	2,544787E+22	2,588787E+22	2,588780E+22	2,544785E+22	2,411767E+22	2,174465E+22	1,896487E+22	1,703214E+22	1,703207E+22	1,896462E+22	2,174421E+22
-2203	2,411689E+22	2,544703E+22	2,588760E+22	2,588797E+22	2,544806E+22	2,411787E+22	2,174495E+22	1,896521E+22	1,703239E+22	1,703222E+22	1,896482E+22	2,174480E+22
-2202	2,411838E+22	2,544867E+22	2,588840E+22	2,588812E+22	2,544789E+22	2,411755E+22	2,174461E+22	1,896489E+22	1,703222E+22	1,703232E+22	1,896496E+22	2,174439E+22
-2201	2,411726E+22	2,544760E+22	2,588760E+22	2,588758E+22	2,544770E+22	2,411769E+22	2,174491E+22	1,896524E+22	1,703243E+22	1,703220E+22	1,896455E+22	2,174387E+22
-2200	2,411674E+22	2,544757E+22	2,588826E+22	2,588822E+22	2,544794E+22	2,411753E+22	2,174464E+22	1,896522E+22	1,703277E+22	1,703280E+22	1,896543E+22	2,174523E+22
-2199	2,411825E+22	2,544823E+22	2,588817E+22	2,588803E+22	2,544779E+22	2,411736E+22	2,174435E+22	1,896490E+22	1,703268E+22	1,703300E+22	1,896542E+22	2,174445E+22
-2198	2,411690E+22	2,544687E+22	2,588711E+22	2,588759E+22	2,544788E+22	2,411781E+22	2,174504E+22	1,896557E+22	1,703302E+22	1,703296E+22	1,896533E+22	2,174467E+22
-2197	2,411766E+22	2,544820E+22	2,588830E+22	2,588821E+22	2,544804E+22	2,411760E+22	2,174476E+22	1,896549E+22	1,703321E+22	1,703336E+22	1,896601E+22	2,174559E+22
-2196	2,411828E+22	2,544828E+22	2,588812E+22	2,588774E+22	2,544751E+22	2,411742E+22	2,174489E+22	1,896574E+22	1,703346E+22	1,703339E+22	1,896546E+22	2,174445E+22
-2195	2,411686E+22	2,544703E+22	2,588766E+22	2,588794E+22	2,544779E+22	2,411766E+22	2,174526E+22	1,896633E+22	1,703412E+22	1,703394E+22	1,896586E+22	2,174490E+22
-2194	2,411799E+22	2,544854E+22	2,588864E+22	2,588845E+22	2,544800E+22	2,411754E+22	2,174495E+22	1,896601E+22	1,703408E+22	1,703432E+22	1,896649E+22	2,174516E+22
-2193	2,411731E+22	2,544745E+22	2,588768E+22	2,588778E+22	2,544784E+22	2,411782E+22	2,174533E+22	1,896631E+22	1,703418E+22	1,703410E+22	1,896596E+22	2,174455E+22
-2192	2,411670E+22	2,544700E+22	2,588772E+22	2,588804E+22	2,544796E+22	2,411778E+22	2,174531E+22	1,896643E+22	1,703437E+22	1,703434E+22	1,896645E+22	2,174567E+22
-2191	2,411848E+22	2,544835E+22	2,588807E+22	2,588790E+22	2,544771E+22	2,411748E+22	2,174493E+22	1,896600E+22	1,703410E+22	1,703430E+22	1,896633E+22	2,174495E+22
-2190	2,411715E+22	2,544714E+22	2,588716E+22	2,588727E+22	2,544745E+22	2,411768E+22	2,174543E+22	1,896644E+22	1,703412E+22	1,703385E+22	1,896574E+22	2,174458E+22
-2189	2,411723E+22	2,544792E+22	2,588837E+22	2,588822E+22	2,544775E+22	2,411733E+22	2,174487E+22	1,896601E+22	1,703393E+22	1,703394E+22	1,896623E+22	2,174553E+22
-2188	2,411820E+22	2,544826E+22	2,588831E+22	2,588808E+22	2,544763E+22	2,411724E+22	2,174457E+22	1,896552E+22	1,703345E+22	1,703356E+22	1,896570E+22	2,174452E+22
-2187	2,411676E+22	2,544674E+22	2,588722E+22	2,588777E+22	2,544789E+22	2,411771E+22	2,174498E+22	1,896569E+22	1,703332E+22	1,703326E+22	1,896551E+22	2,174474E+22
-2186	2,411782E+22	2,544837E+22	2,588836E+22	2,588822E+22	2,544804E+22	2,411767E+22	2,174477E+22	1,896526E+22	1,703285E+22	1,703305E+22	1,896575E+22	2,174520E+22
-2185	2,411776E+22	2,544785E+22	2,588782E+22	2,588768E+22	2,544768E+22	2,411768E+22	2,174497E+22	1,896543E+22	1,703278E+22	1,703256E+22	1,896480E+22	2,174408E+22
-2184	2,411679E+22	2,544711E+22	2,588765E+22	2,588788E+22	2,544775E+22	2,411758E+22	2,174495E+22	1,896563E+22	1,703307E+22	1,703284E+22	1,896513E+22	2,174473E+22
-2183	2,411818E+22	2,544861E+22	2,588848E+22	2,588827E+22	2,544786E+22	2,411734E+22	2,174446E+22	1,896516E+22	1,703295E+22	1,703317E+22	1,896554E+22	2,174448E+22
-2182	2,411695E+22	2,544721E+22	2,588735E+22	2,588752E+22	2,544770E+22	2,411768E+22	2,174500E+22	1,896560E+22	1,703308E+22	1,703298E+22	1,896522E+22	2,174423E+22
-2181	2,411672E+22	2,544728E+22	2,588796E+22	2,588817E+22	2,544796E+22	2,411756E+22	2,174479E+22	1,896555E+22	1,703327E+22	1,703336E+22	1,896591E+22	2,174551E+22
-2180	2,411831E+22	2,544821E+22	2,588813E+22	2,588802E+22	2,544775E+22	2,411741E+22	2,174462E+22	1,896537E+22	1,703322E+22	1,703344E+22	1,896582E+22	2,174485E+22
-2179	2,411713E+22	2,544684E+22	2,588687E+22	2,588727E+22	2,544756E+22	2,411765E+22	2,174518E+22	1,896604E+22	1,703372E+22	1,703357E+22	1,896564E+22	2,174470E+22
-2178	2,411772E+22	2,544838E+22	2,588840E+22	2,588803E+22	2,544766E+22	2,411746E+22	2,174505E+22	1,896607E+22	1,703397E+22	1,703403E+22	1,896631E+22	2,174544E+22
-2177	2,411793E+22	2,544812E+22	2,588825E+22	2,588798E+22	2,544753E+22	2,411733E+22	2,174501E+22	1,896626E+22	1,703429E+22	1,703422E+22	1,896596E+22	2,174444E+22
-2176	2,411658E+22	2,544679E+22	2,588749E+22	2,588792E+22	2,544777E+22	2,411755E+22	2,174524E+22	1,896662E+22	1,703474E+22	1,703465E+22	1,896643E+22	2,174513E+22
-2175	2,411787E+22	2,544830E+22	2,588841E+22	2,588834E+22	2,544799E+22	2,411756E+22	2,174498E+22	1,896627E+22	1,703465E+22	1,703498E+22	1,896700E+22	2,174542E+22
-2174	2,411729E+22	2,544718E+22	2,588726E+22	2,588739E+22	2,544757E+22	2,411780E+22	2,174560E+22	1,896680E+22	1,703476E+22	1,703462E+22	1,896633E+22	2,174477E+22
-2173	2,411685E+22	2,544704E+22	2,588757E+22	2,588784E+22	2,544769E+22	2,411759E+22	2,174544E+22	1,896686E+22	1,703493E+22	1,703478E+22	1,896663E+22	2,174562E+22

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2172	2,411840E+22	2,544853E+22	2,588835E+22	2,588804E+22	2,544756E+22	2,411727E+22	2,174496E+22	1,896639E+22	1,703465E+22	1,703476E+22	1,896664E+22	2,174508E+22
-2171	2,411705E+22	2,544697E+22	2,588709E+22	2,588731E+22	2,544738E+22	2,411745E+22	2,174530E+22	1,896665E+22	1,703466E+22	1,703446E+22	1,896614E+22	2,174465E+22
-2170	2,411715E+22	2,544787E+22	2,588836E+22	2,588819E+22	2,544772E+22	2,411740E+22	2,174504E+22	1,896625E+22	1,703431E+22	1,703439E+22	1,896657E+22	2,174562E+22
-2169	2,411797E+22	2,544799E+22	2,588822E+22	2,588818E+22	2,544777E+22	2,411741E+22	2,174483E+22	1,896588E+22	1,703388E+22	1,703398E+22	1,896598E+22	2,174462E+22
-2168	2,411679E+22	2,544670E+22	2,588701E+22	2,588759E+22	2,544778E+22	2,411768E+22	2,174515E+22	1,896604E+22	1,703376E+22	1,703363E+22	1,896572E+22	2,174481E+22
-2167	2,411783E+22	2,544846E+22	2,588833E+22	2,588808E+22	2,544788E+22	2,411759E+22	2,174484E+22	1,896565E+22	1,703351E+22	1,703363E+22	1,896598E+22	2,174510E+22
-2166	2,411750E+22	2,544767E+22	2,588770E+22	2,588750E+22	2,544743E+22	2,411754E+22	2,174515E+22	1,896597E+22	1,703354E+22	1,703330E+22	1,896524E+22	2,174414E+22
-2165	2,411659E+22	2,544688E+22	2,588754E+22	2,588798E+22	2,544774E+22	2,411738E+22	2,174492E+22	1,896597E+22	1,703373E+22	1,703357E+22	1,896566E+22	2,174488E+22
-2164	2,411795E+22	2,544837E+22	2,588837E+22	2,588833E+22	2,544791E+22	2,411731E+22	2,174447E+22	1,896541E+22	1,703345E+22	1,703374E+22	1,896616E+22	2,174501E+22
-2163	2,411702E+22	2,544687E+22	2,588688E+22	2,588718E+22	2,544750E+22	2,411757E+22	2,174503E+22	1,896585E+22	1,703358E+22	1,703355E+22	1,896571E+22	2,174460E+22
-2162	2,411701E+22	2,544745E+22	2,588783E+22	2,588778E+22	2,544756E+22	2,411748E+22	2,174507E+22	1,896599E+22	1,703377E+22	1,703379E+22	1,896615E+22	2,174557E+22
-2161	2,411831E+22	2,544832E+22	2,588825E+22	2,588799E+22	2,544755E+22	2,411730E+22	2,174483E+22	1,896594E+22	1,703395E+22	1,703402E+22	1,896602E+22	2,174473E+22
-2160	2,411706E+22	2,544703E+22	2,588706E+22	2,588734E+22	2,544739E+22	2,411741E+22	2,174518E+22	1,896646E+22	1,703444E+22	1,703426E+22	1,896598E+22	2,174462E+22
-2159	2,411746E+22	2,544832E+22	2,588854E+22	2,588826E+22	2,544778E+22	2,411739E+22	2,174498E+22	1,896642E+22	1,703475E+22	1,703487E+22	1,896679E+22	2,174542E+22
-2158	2,411753E+22	2,544768E+22	2,588798E+22	2,588793E+22	2,544764E+22	2,411751E+22	2,174528E+22	1,896674E+22	1,703501E+22	1,703499E+22	1,896656E+22	2,174471E+22
-2157	2,411648E+22	2,544643E+22	2,588714E+22	2,588784E+22	2,544780E+22	2,411762E+22	2,174549E+22	1,896708E+22	1,703533E+22	1,703523E+22	1,896685E+22	2,174536E+22
-2156	2,411784E+22	2,544816E+22	2,588822E+22	2,588819E+22	2,544789E+22	2,411758E+22	2,174525E+22	1,896679E+22	1,703523E+22	1,703545E+22	1,896739E+22	2,174577E+22
-2155	2,411742E+22	2,544711E+22	2,588699E+22	2,588697E+22	2,544714E+22	2,411753E+22	2,174567E+22	1,896726E+22	1,703548E+22	1,703528E+22	1,896668E+22	2,174486E+22
-2154	2,411690E+22	2,544722E+22	2,588770E+22	2,588762E+22	2,544724E+22	2,411731E+22	2,174554E+22	1,896727E+22	1,703556E+22	1,703541E+22	1,896697E+22	2,174557E+22
-2153	2,411811E+22	2,544838E+22	2,588850E+22	2,588827E+22	2,544761E+22	2,411713E+22	2,174492E+22	1,896668E+22	1,703525E+22	1,703543E+22	1,896707E+22	2,174516E+22
-2152	2,411694E+22	2,544688E+22	2,588698E+22	2,588731E+22	2,544742E+22	2,411738E+22	2,174517E+22	1,896671E+22	1,703499E+22	1,703493E+22	1,896655E+22	2,174488E+22
-2151	2,411714E+22	2,544776E+22	2,588822E+22	2,588816E+22	2,544780E+22	2,411747E+22	2,174504E+22	1,896640E+22	1,703468E+22	1,703477E+22	1,896681E+22	2,174574E+22
-2150	2,411795E+22	2,544782E+22	2,588794E+22	2,588793E+22	2,544768E+22	2,411751E+22	2,174515E+22	1,896634E+22	1,703437E+22	1,703435E+22	1,896616E+22	2,174469E+22
-2149	2,411680E+22	2,544667E+22	2,588691E+22	2,588748E+22	2,544760E+22	2,411756E+22	2,174531E+22	1,896650E+22	1,703432E+22	1,703405E+22	1,896585E+22	2,174468E+22
-2148	2,411756E+22	2,544839E+22	2,588848E+22	2,588821E+22	2,544783E+22	2,411748E+22	2,174495E+22	1,896609E+22	1,703411E+22	1,703418E+22	1,896637E+22	2,174524E+22
-2147	2,411730E+22	2,544736E+22	2,588745E+22	2,588734E+22	2,544728E+22	2,411735E+22	2,174509E+22	1,896626E+22	1,703419E+22	1,703405E+22	1,896578E+22	2,174433E+22
-2146	2,411650E+22	2,544675E+22	2,588736E+22	2,588767E+22	2,544751E+22	2,411738E+22	2,174509E+22	1,896626E+22	1,703422E+22	1,703415E+22	1,896613E+22	2,174512E+22
-2145	2,411787E+22	2,544815E+22	2,588824E+22	2,588827E+22	2,544787E+22	2,411733E+22	2,174467E+22	1,896583E+22	1,703402E+22	1,703430E+22	1,896652E+22	2,174525E+22
-2144	2,411726E+22	2,544701E+22	2,588673E+22	2,588693E+22	2,544725E+22	2,411739E+22	2,174506E+22	1,896620E+22	1,703413E+22	1,703405E+22	1,896598E+22	2,174472E+22
-2143	2,411713E+22	2,544769E+22	2,588799E+22	2,588774E+22	2,544740E+22	2,411729E+22	2,174506E+22	1,896642E+22	1,703453E+22	1,703443E+22	1,896638E+22	2,174546E+22
-2142	2,411807E+22	2,544822E+22	2,588833E+22	2,588806E+22	2,544746E+22	2,411718E+22	2,174501E+22	1,896651E+22	1,703479E+22	1,703483E+22	1,896647E+22	2,174473E+22
-2141	2,411674E+22	2,544673E+22	2,588705E+22	2,588758E+22	2,544752E+22	2,411734E+22	2,174524E+22	1,896690E+22	1,703519E+22	1,703505E+22	1,896651E+22	2,174472E+22
-2140	2,411708E+22	2,544792E+22	2,588841E+22	2,588836E+22	2,544798E+22	2,411757E+22	2,174519E+22	1,896681E+22	1,703535E+22	1,703554E+22	1,896742E+22	2,174584E+22
-2139	2,411748E+22	2,544726E+22	2,588743E+22	2,588749E+22	2,544743E+22	2,411751E+22	2,174549E+22	1,896719E+22	1,703567E+22	1,703568E+22	1,896707E+22	2,174504E+22
-2138	2,411669E+22	2,544651E+22	2,588690E+22	2,588729E+22	2,544734E+22	2,411757E+22	2,174581E+22	1,896760E+22	1,703596E+22	1,703577E+22	1,896716E+22	2,174546E+22
-2137	2,411783E+22	2,544819E+22	2,588829E+22	2,588809E+22	2,544762E+22	2,411737E+22	2,174538E+22	1,896732E+22	1,703598E+22	1,703608E+22	1,896764E+22	2,174576E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411745E+22	2,544726E+22	2,588713E+22	2,588699E+22	2,544692E+22	2,411716E+22	2,174548E+22	1,896750E+22	1,703606E+22	1,703593E+22	1,896708E+22	2,174493E+22
-2135	2,411680E+22	2,544724E+22	2,588789E+22	2,588786E+22	2,544735E+22	2,411717E+22	2,174532E+22	1,896739E+22	1,703609E+22	1,703602E+22	1,896738E+22	2,174564E+22
-2134	2,411786E+22	2,544805E+22	2,588833E+22	2,588828E+22	2,544776E+22	2,411732E+22	2,174513E+22	1,896696E+22	1,703567E+22	1,703591E+22	1,896747E+22	2,174538E+22
-2133	2,411690E+22	2,544664E+22	2,588684E+22	2,588736E+22	2,544753E+22	2,411752E+22	2,174541E+22	1,896703E+22	1,703536E+22	1,703525E+22	1,896674E+22	2,174498E+22
-2132	2,411710E+22	2,544766E+22	2,588811E+22	2,588805E+22	2,544780E+22	2,411762E+22	2,174535E+22	1,896684E+22	1,703510E+22	1,703507E+22	1,896697E+22	2,174581E+22
-2131	2,411790E+22	2,544768E+22	2,588768E+22	2,588753E+22	2,544731E+22	2,411735E+22	2,174529E+22	1,896682E+22	1,703505E+22	1,703495E+22	1,896642E+22	2,174465E+22
-2130	2,411670E+22	2,544670E+22	2,588695E+22	2,588721E+22	2,544721E+22	2,411734E+22	2,174542E+22	1,896692E+22	1,703499E+22	1,703472E+22	1,896624E+22	2,174466E+22
-2129	2,411721E+22	2,544802E+22	2,588840E+22	2,588826E+22	2,544780E+22	2,411733E+22	2,174492E+22	1,896642E+22	1,703477E+22	1,703491E+22	1,896687E+22	2,174544E+22
-2128	2,411730E+22	2,544720E+22	2,588720E+22	2,588714E+22	2,544712E+22	2,411718E+22	2,174495E+22	1,896635E+22	1,703460E+22	1,703464E+22	1,896633E+22	2,174471E+22
-2127	2,411667E+22	2,544676E+22	2,588728E+22	2,588752E+22	2,544736E+22	2,411723E+22	2,174501E+22	1,896646E+22	1,703468E+22	1,703462E+22	1,896643E+22	2,174529E+22
-2126	2,411795E+22	2,544815E+22	2,588814E+22	2,588804E+22	2,544769E+22	2,411731E+22	2,174490E+22	1,896630E+22	1,703460E+22	1,703479E+22	1,896676E+22	2,174530E+22
-2125	2,411728E+22	2,544711E+22	2,588695E+22	2,588707E+22	2,544716E+22	2,411724E+22	2,174516E+22	1,896665E+22	1,703480E+22	1,703461E+22	1,896617E+22	2,174457E+22
-2124	2,411684E+22	2,544760E+22	2,588823E+22	2,588806E+22	2,544757E+22	2,411733E+22	2,174521E+22	1,896687E+22	1,703521E+22	1,703512E+22	1,896681E+22	2,174550E+22
-2123	2,411775E+22	2,544782E+22	2,588809E+22	2,588801E+22	2,544753E+22	2,411724E+22	2,174515E+22	1,896696E+22	1,703558E+22	1,703570E+22	1,896709E+22	2,174493E+22
-2122	2,411658E+22	2,544647E+22	2,588682E+22	2,588727E+22	2,544740E+22	2,411753E+22	2,174562E+22	1,896740E+22	1,703587E+22	1,703578E+22	1,896707E+22	2,174498E+22
-2121	2,411693E+22	2,544751E+22	2,588810E+22	2,588819E+22	2,544791E+22	2,411766E+22	2,174555E+22	1,896742E+22	1,703611E+22	1,703625E+22	1,896785E+22	2,174610E+22
-2120	2,411774E+22	2,544732E+22	2,588716E+22	2,588705E+22	2,544703E+22	2,411728E+22	2,174556E+22	1,896762E+22	1,703635E+22	1,703636E+22	1,896750E+22	2,174522E+22
-2119	2,411684E+22	2,544672E+22	2,588704E+22	2,588713E+22	2,544698E+22	2,411720E+22	2,174570E+22	1,896799E+22	1,703672E+22	1,703647E+22	1,896750E+22	2,174546E+22
-2118	2,411770E+22	2,544813E+22	2,588839E+22	2,588813E+22	2,544747E+22	2,411715E+22	2,174539E+22	1,896772E+22	1,703668E+22	1,703682E+22	1,896813E+22	2,174588E+22
-2117	2,411730E+22	2,544707E+22	2,588721E+22	2,588725E+22	2,544702E+22	2,411703E+22	2,174537E+22	1,896765E+22	1,703650E+22	1,703646E+22	1,896748E+22	2,174506E+22
-2116	2,411663E+22	2,544699E+22	2,588785E+22	2,588800E+22	2,544759E+22	2,411738E+22	2,174547E+22	1,896757E+22	1,703633E+22	1,703636E+22	1,896774E+22	2,174590E+22
-2115	2,411789E+22	2,544779E+22	2,588794E+22	2,588793E+22	2,544760E+22	2,411739E+22	2,174536E+22	1,896730E+22	1,703608E+22	1,703629E+22	1,896769E+22	2,174546E+22
-2114	2,411699E+22	2,544672E+22	2,588671E+22	2,588688E+22	2,544717E+22	2,411756E+22	2,174576E+22	1,896751E+22	1,703586E+22	1,703560E+22	1,896683E+22	2,174484E+22
-2113	2,411687E+22	2,544750E+22	2,588816E+22	2,588802E+22	2,544763E+22	2,411751E+22	2,174553E+22	1,896737E+22	1,703582E+22	1,703567E+22	1,896713E+22	2,174564E+22
-2112	2,411779E+22	2,544763E+22	2,588764E+22	2,588744E+22	2,544708E+22	2,411703E+22	2,174514E+22	1,896705E+22	1,703565E+22	1,703565E+22	1,896688E+22	2,174472E+22
-2111	2,411656E+22	2,544658E+22	2,588696E+22	2,588725E+22	2,544716E+22	2,411713E+22	2,174522E+22	1,896709E+22	1,703554E+22	1,703537E+22	1,896672E+22	2,174485E+22
-2110	2,411708E+22	2,544770E+22	2,588818E+22	2,588813E+22	2,544776E+22	2,411736E+22	2,174506E+22	1,896671E+22	1,703525E+22	1,703548E+22	1,896737E+22	2,174577E+22
-2109	2,411741E+22	2,544704E+22	2,588712E+22	2,588715E+22	2,544707E+22	2,411713E+22	2,174505E+22	1,896664E+22	1,703501E+22	1,703504E+22	1,896661E+22	2,174488E+22
-2108	2,411677E+22	2,544682E+22	2,588735E+22	2,588753E+22	2,544737E+22	2,411732E+22	2,174524E+22	1,896685E+22	1,703513E+22	1,703504E+22	1,896670E+22	2,174535E+22
-2107	2,411792E+22	2,544812E+22	2,588808E+22	2,588784E+22	2,544743E+22	2,411720E+22	2,174508E+22	1,896682E+22	1,703537E+22	1,703551E+22	1,896711E+22	2,174524E+22
-2106	2,411711E+22	2,544710E+22	2,588707E+22	2,588699E+22	2,544702E+22	2,411724E+22	2,174538E+22	1,896716E+22	1,703558E+22	1,703541E+22	1,896665E+22	2,174457E+22
-2105	2,411644E+22	2,544711E+22	2,588809E+22	2,588818E+22	2,544773E+22	2,411743E+22	2,174540E+22	1,896738E+22	1,703603E+22	1,703597E+22	1,896735E+22	2,174566E+22
-2104	2,411771E+22	2,544753E+22	2,588770E+22	2,588771E+22	2,544738E+22	2,411721E+22	2,174524E+22	1,896730E+22	1,703621E+22	1,703645E+22	1,896772E+22	2,174533E+22
-2103	2,411675E+22	2,544642E+22	2,588663E+22	2,588696E+22	2,544709E+22	2,411734E+22	2,174570E+22	1,896786E+22	1,703655E+22	1,703640E+22	1,896748E+22	2,174520E+22
-2102	2,411704E+22	2,544745E+22	2,588790E+22	2,588781E+22	2,544752E+22	2,411750E+22	2,174577E+22	1,896800E+22	1,703685E+22	1,703689E+22	1,896822E+22	2,174620E+22
-2101	2,411778E+22	2,544741E+22	2,588741E+22	2,588716E+22	2,544678E+22	2,411696E+22	2,174553E+22	1,896799E+22	1,703700E+22	1,703698E+22	1,896782E+22	2,174521E+22

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2100	2,411671E+22	2,544673E+22	2,588730E+22	2,588743E+22	2,544709E+22	2,411712E+22	2,174567E+22	1,896821E+22	1,703718E+22	1,703706E+22	1,896795E+22	2,174553E+22
-2099	2,411748E+22	2,544785E+22	2,588821E+22	2,588807E+22	2,544749E+22	2,411719E+22	2,174545E+22	1,896797E+22	1,703720E+22	1,703744E+22	1,896860E+22	2,174603E+22
-2098	2,411722E+22	2,544693E+22	2,588712E+22	2,588710E+22	2,544703E+22	2,411728E+22	2,174567E+22	1,896798E+22	1,703692E+22	1,703688E+22	1,896779E+22	2,174518E+22
-2097	2,411650E+22	2,544664E+22	2,588761E+22	2,588794E+22	2,544763E+22	2,411755E+22	2,174583E+22	1,896810E+22	1,703690E+22	1,703678E+22	1,896785E+22	2,174587E+22
-2096	2,411800E+22	2,544781E+22	2,588770E+22	2,588757E+22	2,544728E+22	2,411726E+22	2,174549E+22	1,896771E+22	1,703665E+22	1,703680E+22	1,896794E+22	2,174545E+22
-2095	2,411696E+22	2,544680E+22	2,588683E+22	2,588676E+22	2,544678E+22	2,411718E+22	2,174571E+22	1,896794E+22	1,703656E+22	1,703623E+22	1,896713E+22	2,174475E+22
-2094	2,411658E+22	2,544719E+22	2,588804E+22	2,588797E+22	2,544746E+22	2,411731E+22	2,174555E+22	1,896775E+22	1,703649E+22	1,703642E+22	1,896768E+22	2,174578E+22
-2093	2,411758E+22	2,544731E+22	2,588759E+22	2,588756E+22	2,544707E+22	2,411687E+22	2,174499E+22	1,896715E+22	1,703606E+22	1,703622E+22	1,896742E+22	2,174501E+22
-2092	2,411656E+22	2,544638E+22	2,588682E+22	2,588725E+22	2,544725E+22	2,411724E+22	2,174528E+22	1,896716E+22	1,703574E+22	1,703575E+22	1,896718E+22	2,174520E+22
-2091	2,411727E+22	2,544759E+22	2,588785E+22	2,588777E+22	2,544750E+22	2,411732E+22	2,174522E+22	1,896705E+22	1,703568E+22	1,703589E+22	1,896765E+22	2,174594E+22
-2090	2,411762E+22	2,544728E+22	2,588719E+22	2,588687E+22	2,544680E+22	2,411714E+22	2,174531E+22	1,896710E+22	1,703555E+22	1,703545E+22	1,896675E+22	2,174477E+22
-2089	2,411660E+22	2,544674E+22	2,588754E+22	2,588771E+22	2,544736E+22	2,411730E+22	2,174548E+22	1,896744E+22	1,703593E+22	1,703570E+22	1,896689E+22	2,174516E+22
-2088	2,411778E+22	2,544804E+22	2,588807E+22	2,588786E+22	2,544737E+22	2,411708E+22	2,174511E+22	1,896720E+22	1,703609E+22	1,703632E+22	1,896764E+22	2,174530E+22
-2087	2,411689E+22	2,544688E+22	2,588703E+22	2,588702E+22	2,544700E+22	2,411718E+22	2,174545E+22	1,896761E+22	1,703634E+22	1,703619E+22	1,896722E+22	2,174476E+22
-2086	2,411626E+22	2,544665E+22	2,588771E+22	2,588797E+22	2,544766E+22	2,411756E+22	2,174576E+22	1,896795E+22	1,703677E+22	1,703675E+22	1,896797E+22	2,174599E+22
-2085	2,411775E+22	2,544731E+22	2,588750E+22	2,588754E+22	2,544715E+22	2,411708E+22	2,174539E+22	1,896776E+22	1,703685E+22	1,703705E+22	1,896814E+22	2,174554E+22
-2084	2,411688E+22	2,544650E+22	2,588662E+22	2,588682E+22	2,544688E+22	2,411724E+22	2,174584E+22	1,896827E+22	1,703715E+22	1,703701E+22	1,896789E+22	2,174531E+22
-2083	2,411705E+22	2,544747E+22	2,588790E+22	2,588761E+22	2,544709E+22	2,411715E+22	2,174579E+22	1,896847E+22	1,703763E+22	1,703768E+22	1,896868E+22	2,174624E+22
-2082	2,411766E+22	2,544742E+22	2,588754E+22	2,588717E+22	2,544667E+22	2,411685E+22	2,174553E+22	1,896832E+22	1,703763E+22	1,703767E+22	1,896830E+22	2,174527E+22
-2081	2,411641E+22	2,544637E+22	2,588725E+22	2,588765E+22	2,544733E+22	2,411726E+22	2,174579E+22	1,896853E+22	1,703776E+22	1,703768E+22	1,896833E+22	2,174566E+22
-2080	2,411751E+22	2,544767E+22	2,588791E+22	2,588785E+22	2,544741E+22	2,411723E+22	2,174556E+22	1,896820E+22	1,703760E+22	1,703792E+22	1,896898E+22	2,174625E+22
-2079	2,411732E+22	2,544692E+22	2,588701E+22	2,588691E+22	2,544681E+22	2,411717E+22	2,174584E+22	1,896843E+22	1,703745E+22	1,703726E+22	1,896795E+22	2,174517E+22
-2078	2,411645E+22	2,544651E+22	2,588742E+22	2,588770E+22	2,544738E+22	2,411749E+22	2,174610E+22	1,896865E+22	1,703757E+22	1,703732E+22	1,896810E+22	2,174579E+22
-2077	2,411778E+22	2,544769E+22	2,588784E+22	2,588769E+22	2,544709E+22	2,411698E+22	2,174545E+22	1,896804E+22	1,703722E+22	1,703735E+22	1,896825E+22	2,174542E+22
-2076	2,411675E+22	2,544666E+22	2,588690E+22	2,588696E+22	2,544686E+22	2,411712E+22	2,174567E+22	1,896808E+22	1,703695E+22	1,703681E+22	1,896767E+22	2,174492E+22
-2075	2,411642E+22	2,544690E+22	2,588773E+22	2,588775E+22	2,544731E+22	2,411725E+22	2,174560E+22	1,896797E+22	1,703694E+22	1,703701E+22	1,896823E+22	2,174608E+22
-2074	2,411765E+22	2,544724E+22	2,588741E+22	2,588732E+22	2,544698E+22	2,411701E+22	2,174521E+22	1,896743E+22	1,703642E+22	1,703661E+22	1,896776E+22	2,174525E+22
-2073	2,411664E+22	2,544626E+22	2,588668E+22	2,588720E+22	2,544726E+22	2,411734E+22	2,174555E+22	1,896763E+22	1,703627E+22	1,703613E+22	1,896727E+22	2,174521E+22
-2072	2,411748E+22	2,544778E+22	2,588778E+22	2,588751E+22	2,544720E+22	2,411717E+22	2,174533E+22	1,896744E+22	1,703627E+22	1,703642E+22	1,896790E+22	2,174591E+22
-2071	2,411758E+22	2,544745E+22	2,588747E+22	2,588699E+22	2,544655E+22	2,411681E+22	2,174534E+22	1,896762E+22	1,703633E+22	1,703612E+22	1,896708E+22	2,174467E+22
-2070	2,411625E+22	2,544638E+22	2,588740E+22	2,588777E+22	2,544735E+22	2,411724E+22	2,174562E+22	1,896796E+22	1,703674E+22	1,703655E+22	1,896748E+22	2,174522E+22
-2069	2,411739E+22	2,544761E+22	2,588796E+22	2,588797E+22	2,544740E+22	2,411706E+22	2,174516E+22	1,896751E+22	1,703669E+22	1,703702E+22	1,896824E+22	2,174559E+22
-2068	2,411686E+22	2,544663E+22	2,588679E+22	2,588690E+22	2,544696E+22	2,411725E+22	2,174565E+22	1,896791E+22	1,703680E+22	1,703680E+22	1,896778E+22	2,174507E+22
-2067	2,411636E+22	2,544650E+22	2,588726E+22	2,588742E+22	2,544720E+22	2,411740E+22	2,174597E+22	1,896849E+22	1,703747E+22	1,703740E+22	1,896841E+22	2,174618E+22
-2066	2,411789E+22	2,544751E+22	2,588750E+22	2,588724E+22	2,544680E+22	2,411694E+22	2,174553E+22	1,896826E+22	1,703757E+22	1,703768E+22	1,896846E+22	2,174555E+22
-2065	2,411676E+22	2,544646E+22	2,588679E+22	2,588701E+22	2,544684E+22	2,411708E+22	2,174590E+22	1,896876E+22	1,703793E+22	1,703772E+22	1,896819E+22	2,174528E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2064	2,411700E+22	2,544743E+22	2,588789E+22	2,588767E+22	2,544706E+22	2,411698E+22	2,174569E+22	1,896871E+22	1,703824E+22	1,703841E+22	1,896924E+22	2,174641E+22
-2063	2,411754E+22	2,544731E+22	2,588760E+22	2,588731E+22	2,544670E+22	2,411678E+22	2,174560E+22	1,896867E+22	1,703819E+22	1,703824E+22	1,896873E+22	2,174544E+22
-2062	2,411626E+22	2,544600E+22	2,588694E+22	2,588757E+22	2,544738E+22	2,411746E+22	2,174617E+22	1,896905E+22	1,703834E+22	1,703823E+22	1,896872E+22	2,174579E+22
-2061	2,411740E+22	2,544751E+22	2,588779E+22	2,588776E+22	2,544731E+22	2,411724E+22	2,174579E+22	1,896864E+22	1,703812E+22	1,703833E+22	1,896919E+22	2,174628E+22
-2060	2,411732E+22	2,544695E+22	2,588699E+22	2,588680E+22	2,544666E+22	2,411715E+22	2,174604E+22	1,896882E+22	1,703797E+22	1,703779E+22	1,896826E+22	2,174514E+22
-2059	2,411629E+22	2,544637E+22	2,588722E+22	2,588743E+22	2,544699E+22	2,411720E+22	2,174616E+22	1,896911E+22	1,703829E+22	1,703804E+22	1,896857E+22	2,174586E+22
-2058	2,411759E+22	2,544755E+22	2,588772E+22	2,588759E+22	2,544701E+22	2,411687E+22	2,174540E+22	1,896828E+22	1,703775E+22	1,703796E+22	1,896875E+22	2,174563E+22
-2057	2,411657E+22	2,544633E+22	2,588671E+22	2,588700E+22	2,544696E+22	2,411716E+22	2,174573E+22	1,896832E+22	1,703740E+22	1,703730E+22	1,896803E+22	2,174521E+22
-2056	2,411667E+22	2,544689E+22	2,588745E+22	2,588744E+22	2,544705E+22	2,411711E+22	2,174560E+22	1,896813E+22	1,703725E+22	1,703738E+22	1,896858E+22	2,174636E+22
-2055	2,411788E+22	2,544745E+22	2,588746E+22	2,588718E+22	2,544666E+22	2,411675E+22	2,174530E+22	1,896785E+22	1,703689E+22	1,703690E+22	1,896784E+22	2,174522E+22
-2054	2,411662E+22	2,544632E+22	2,588673E+22	2,588717E+22	2,544711E+22	2,411728E+22	2,174578E+22	1,896817E+22	1,703695E+22	1,703668E+22	1,896748E+22	2,174503E+22
-2053	2,411715E+22	2,544773E+22	2,588805E+22	2,588777E+22	2,544716E+22	2,411698E+22	2,174532E+22	1,896780E+22	1,703689E+22	1,703701E+22	1,896818E+22	2,174579E+22
-2052	2,411725E+22	2,544723E+22	2,588749E+22	2,588724E+22	2,544680E+22	2,411691E+22	2,174542E+22	1,896788E+22	1,703687E+22	1,703684E+22	1,896765E+22	2,174478E+22
-2051	2,411597E+22	2,544596E+22	2,588697E+22	2,588753E+22	2,544725E+22	2,411729E+22	2,174585E+22	1,896843E+22	1,703744E+22	1,703733E+22	1,896813E+22	2,174556E+22
-2050	2,411732E+22	2,544734E+22	2,588756E+22	2,588765E+22	2,544730E+22	2,411717E+22	2,174544E+22	1,896801E+22	1,703733E+22	1,703763E+22	1,896872E+22	2,174589E+22
-2049	2,411690E+22	2,544647E+22	2,588654E+22	2,588671E+22	2,544683E+22	2,411725E+22	2,174593E+22	1,896852E+22	1,703758E+22	1,703744E+22	1,896809E+22	2,174523E+22
-2048	2,411660E+22	2,544670E+22	2,588717E+22	2,588705E+22	2,544669E+22	2,411703E+22	2,174597E+22	1,896892E+22	1,703822E+22	1,703815E+22	1,896887E+22	2,174630E+22
-2047	2,411788E+22	2,544769E+22	2,588777E+22	2,588733E+22	2,544649E+22	2,411649E+22	2,174547E+22	1,896874E+22	1,703835E+22	1,703843E+22	1,896891E+22	2,174560E+22
-2046	2,411652E+22	2,544622E+22	2,588674E+22	2,588717E+22	2,544695E+22	2,411705E+22	2,174596E+22	1,896915E+22	1,703865E+22	1,703852E+22	1,896877E+22	2,174543E+22
-2045	2,411673E+22	2,544715E+22	2,588786E+22	2,588781E+22	2,544718E+22	2,411704E+22	2,174574E+22	1,896893E+22	1,703868E+22	1,703892E+22	1,896966E+22	2,174667E+22
-2044	2,411757E+22	2,544717E+22	2,588744E+22	2,588730E+22	2,544682E+22	2,411698E+22	2,174587E+22	1,896896E+22	1,703856E+22	1,703868E+22	1,896908E+22	2,174559E+22
-2043	2,411629E+22	2,544589E+22	2,588657E+22	2,588712E+22	2,544703E+22	2,411741E+22	2,174648E+22	1,896963E+22	1,703901E+22	1,703876E+22	1,896900E+22	2,174582E+22
-2042	2,411731E+22	2,544754E+22	2,588774E+22	2,588754E+22	2,544709E+22	2,411717E+22	2,174597E+22	1,896915E+22	1,703879E+22	1,703888E+22	1,896942E+22	2,174621E+22
-2041	2,411706E+22	2,544679E+22	2,588702E+22	2,588691E+22	2,544665E+22	2,411704E+22	2,174611E+22	1,896927E+22	1,703869E+22	1,703845E+22	1,896856E+22	2,174516E+22
-2040	2,411621E+22	2,544624E+22	2,588703E+22	2,588726E+22	2,544682E+22	2,411698E+22	2,174602E+22	1,896927E+22	1,703879E+22	1,703870E+22	1,896913E+22	2,174615E+22
-2039	2,411757E+22	2,544749E+22	2,588770E+22	2,588757E+22	2,544686E+22	2,411668E+22	2,174541E+22	1,896856E+22	1,703818E+22	1,703840E+22	1,896913E+22	2,174591E+22
-2038	2,411660E+22	2,544614E+22	2,588645E+22	2,588686E+22	2,544691E+22	2,411719E+22	2,174592E+22	1,896868E+22	1,703785E+22	1,703771E+22	1,896830E+22	2,174535E+22
-2037	2,411666E+22	2,544693E+22	2,588752E+22	2,588740E+22	2,544693E+22	2,411701E+22	2,174566E+22	1,896842E+22	1,703765E+22	1,703768E+22	1,896868E+22	2,174636E+22
-2036	2,411789E+22	2,544762E+22	2,588767E+22	2,588729E+22	2,544661E+22	2,411668E+22	2,174540E+22	1,896813E+22	1,703736E+22	1,703741E+22	1,896809E+22	2,174507E+22
-2035	2,411632E+22	2,544614E+22	2,588662E+22	2,588708E+22	2,544691E+22	2,411708E+22	2,174588E+22	1,896864E+22	1,703771E+22	1,703745E+22	1,896796E+22	2,174504E+22
-2034	2,411675E+22	2,544737E+22	2,588784E+22	2,588778E+22	2,544731E+22	2,411707E+22	2,174540E+22	1,896816E+22	1,703755E+22	1,703772E+22	1,896870E+22	2,174597E+22
-2033	2,411699E+22	2,544678E+22	2,588713E+22	2,588716E+22	2,544692E+22	2,411708E+22	2,174565E+22	1,896831E+22	1,703752E+22	1,703749E+22	1,896810E+22	2,174513E+22
-2032	2,411617E+22	2,544583E+22	2,588649E+22	2,588699E+22	2,544686E+22	2,411713E+22	2,174597E+22	1,896881E+22	1,703803E+22	1,703795E+22	1,896864E+22	2,174594E+22
-2031	2,411756E+22	2,544751E+22	2,588753E+22	2,588735E+22	2,544680E+22	2,411678E+22	2,174555E+22	1,896858E+22	1,703803E+22	1,703818E+22	1,896901E+22	2,174602E+22
-2030	2,411692E+22	2,544652E+22	2,588659E+22	2,588664E+22	2,544657E+22	2,411702E+22	2,174603E+22	1,896906E+22	1,703839E+22	1,703819E+22	1,896848E+22	2,174521E+22
-2029	2,411638E+22	2,544674E+22	2,588751E+22	2,588733E+22	2,544665E+22	2,411677E+22	2,174585E+22	1,896920E+22	1,703885E+22	1,703883E+22	1,896930E+22	2,174636E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411771E+22	2,544761E+22	2,588791E+22	2,588763E+22	2,544676E+22	2,411660E+22	2,174553E+22	1,896893E+22	1,703885E+22	1,703913E+22	1,896944E+22	2,174573E+22
-2027	2,411632E+22	2,544593E+22	2,588646E+22	2,588701E+22	2,544695E+22	2,411721E+22	2,174628E+22	1,896964E+22	1,703931E+22	1,703919E+22	1,896929E+22	2,174567E+22
-2026	2,411664E+22	2,544690E+22	2,588755E+22	2,588764E+22	2,544726E+22	2,411727E+22	2,174610E+22	1,896947E+22	1,703931E+22	1,703942E+22	1,896991E+22	2,174675E+22
-2025	2,411752E+22	2,544702E+22	2,588723E+22	2,588714E+22	2,544678E+22	2,411711E+22	2,174625E+22	1,896962E+22	1,703934E+22	1,703924E+22	1,896926E+22	2,174562E+22
-2024	2,411637E+22	2,544596E+22	2,588644E+22	2,588672E+22	2,544654E+22	2,411708E+22	2,174653E+22	1,897010E+22	1,703976E+22	1,703950E+22	1,896945E+22	2,174590E+22
-2023	2,411715E+22	2,544748E+22	2,588783E+22	2,588751E+22	2,544672E+22	2,411670E+22	2,174589E+22	1,896958E+22	1,703949E+22	1,703957E+22	1,896987E+22	2,174632E+22
-2022	2,411682E+22	2,544646E+22	2,588686E+22	2,588692E+22	2,544665E+22	2,411694E+22	2,174606E+22	1,896951E+22	1,703927E+22	1,703916E+22	1,896914E+22	2,174542E+22
-2021	2,411608E+22	2,544607E+22	2,588701E+22	2,588721E+22	2,544674E+22	2,411685E+22	2,174589E+22	1,896928E+22	1,703902E+22	1,703905E+22	1,896947E+22	2,174645E+22
-2020	2,411774E+22	2,544750E+22	2,588763E+22	2,588749E+22	2,544686E+22	2,411672E+22	2,174548E+22	1,896864E+22	1,703838E+22	1,703870E+22	1,896934E+22	2,174599E+22
-2019	2,411669E+22	2,544621E+22	2,588632E+22	2,588658E+22	2,544665E+22	2,411710E+22	2,174610E+22	1,896910E+22	1,703837E+22	1,703811E+22	1,896845E+22	2,174531E+22
-2018	2,411653E+22	2,544693E+22	2,588757E+22	2,588742E+22	2,544695E+22	2,411700E+22	2,174578E+22	1,896882E+22	1,703823E+22	1,703813E+22	1,896878E+22	2,174617E+22
-2017	2,411756E+22	2,544739E+22	2,588772E+22	2,588752E+22	2,544684E+22	2,411679E+22	2,174556E+22	1,896858E+22	1,703805E+22	1,703802E+22	1,896837E+22	2,174509E+22
-2016	2,411616E+22	2,544590E+22	2,588636E+22	2,588685E+22	2,544679E+22	2,411703E+22	2,174593E+22	1,896896E+22	1,703832E+22	1,703819E+22	1,896858E+22	2,174533E+22
-2015	2,411661E+22	2,544709E+22	2,588765E+22	2,588759E+22	2,544709E+22	2,411697E+22	2,174562E+22	1,896866E+22	1,703817E+22	1,703833E+22	1,896916E+22	2,174627E+22
-2014	2,411701E+22	2,544651E+22	2,588677E+22	2,588687E+22	2,544676E+22	2,411709E+22	2,174592E+22	1,896886E+22	1,703826E+22	1,703818E+22	1,896855E+22	2,174534E+22
-2013	2,411622E+22	2,544594E+22	2,588654E+22	2,588675E+22	2,544652E+22	2,411687E+22	2,174597E+22	1,896919E+22	1,703865E+22	1,703852E+22	1,896895E+22	2,174606E+22
-2012	2,411767E+22	2,544772E+22	2,588778E+22	2,588739E+22	2,544662E+22	2,411657E+22	2,174554E+22	1,896889E+22	1,703869E+22	1,703894E+22	1,896943E+22	2,174602E+22
-2011	2,411675E+22	2,544644E+22	2,588663E+22	2,588665E+22	2,544641E+22	2,411678E+22	2,174604E+22	1,896951E+22	1,703920E+22	1,703905E+22	1,896906E+22	2,174534E+22
-2010	2,411612E+22	2,544646E+22	2,588740E+22	2,588747E+22	2,544694E+22	2,411692E+22	2,174592E+22	1,896951E+22	1,703947E+22	1,703951E+22	1,896977E+22	2,174655E+22
-2009	2,411756E+22	2,544729E+22	2,588770E+22	2,588766E+22	2,544700E+22	2,411691E+22	2,174587E+22	1,896940E+22	1,703947E+22	1,703969E+22	1,896980E+22	2,174598E+22
-2008	2,411646E+22	2,544582E+22	2,588610E+22	2,588654E+22	2,544664E+22	2,411717E+22	2,174653E+22	1,897014E+22	1,703995E+22	1,703980E+22	1,896969E+22	2,174587E+22
-2007	2,411669E+22	2,544693E+22	2,588754E+22	2,588739E+22	2,544683E+22	2,411702E+22	2,174635E+22	1,897015E+22	1,704007E+22	1,704000E+22	1,897013E+22	2,174671E+22
-2006	2,411737E+22	2,544690E+22	2,588718E+22	2,588704E+22	2,544655E+22	2,411690E+22	2,174634E+22	1,897015E+22	1,704017E+22	1,704003E+22	1,896966E+22	2,174555E+22
-2005	2,411606E+22	2,544584E+22	2,588658E+22	2,588679E+22	2,544642E+22	2,411678E+22	2,174633E+22	1,897026E+22	1,704028E+22	1,704013E+22	1,896991E+22	2,174607E+22
-2004	2,411707E+22	2,544734E+22	2,588785E+22	2,588760E+22	2,544681E+22	2,411669E+22	2,174580E+22	1,896959E+22	1,703982E+22	1,704015E+22	1,897038E+22	2,174655E+22
-2003	2,411677E+22	2,544620E+22	2,588658E+22	2,588668E+22	2,544650E+22	2,411692E+22	2,174619E+22	1,896977E+22	1,703967E+22	1,703962E+22	1,896956E+22	2,174571E+22
-2002	2,411617E+22	2,544596E+22	2,588679E+22	2,588711E+22	2,544684E+22	2,411699E+22	2,174606E+22	1,896956E+22	1,703937E+22	1,703932E+22	1,896957E+22	2,174648E+22
-2001	2,411781E+22	2,544754E+22	2,588761E+22	2,588742E+22	2,544687E+22	2,411685E+22	2,174576E+22	1,896911E+22	1,703892E+22	1,703904E+22	1,896935E+22	2,174590E+22
-2000	2,411671E+22	2,544629E+22	2,588634E+22	2,588634E+22	2,544630E+22	2,411687E+22	2,174616E+22	1,896950E+22	1,703900E+22	1,703874E+22	1,896879E+22	2,174528E+22
-1999	2,411626E+22	2,544674E+22	2,588765E+22	2,588749E+22	2,544676E+22	2,411674E+22	2,174584E+22	1,896930E+22	1,703890E+22	1,703879E+22	1,896915E+22	2,174616E+22
-1998	2,411722E+22	2,544692E+22	2,588744E+22	2,588747E+22	2,544691E+22	2,411686E+22	2,174569E+22	1,896896E+22	1,703872E+22	1,703879E+22	1,896895E+22	2,174531E+22
-1997	2,411601E+22	2,544566E+22	2,588621E+22	2,588661E+22	2,544660E+22	2,411694E+22	2,174596E+22	1,896918E+22	1,703875E+22	1,703872E+22	1,896904E+22	2,174569E+22
-1996	2,411684E+22	2,544709E+22	2,588750E+22	2,588733E+22	2,544687E+22	2,411690E+22	2,174573E+22	1,896893E+22	1,703866E+22	1,703889E+22	1,896951E+22	2,174641E+22
-1995	2,411713E+22	2,544659E+22	2,588670E+22	2,588653E+22	2,544633E+22	2,411683E+22	2,174605E+22	1,896939E+22	1,703901E+22	1,703888E+22	1,896894E+22	2,174541E+22
-1994	2,411618E+22	2,544598E+22	2,588669E+22	2,588688E+22	2,544653E+22	2,411673E+22	2,174596E+22	1,896957E+22	1,703936E+22	1,703919E+22	1,896925E+22	2,174599E+22
-1993	2,411745E+22	2,544758E+22	2,588791E+22	2,588770E+22	2,544689E+22	2,411667E+22	2,174567E+22	1,896932E+22	1,703943E+22	1,703965E+22	1,896985E+22	2,174614E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411667E+22	2,544627E+22	2,588652E+22	2,588656E+22	2,544640E+22	2,411681E+22	2,174616E+22	1,896988E+22	1,703986E+22	1,703983E+22	1,896970E+22	2,174566E+22
-1991	2,411603E+22	2,544617E+22	2,588725E+22	2,588737E+22	2,544681E+22	2,411695E+22	2,174628E+22	1,897012E+22	1,704013E+22	1,704010E+22	1,897014E+22	2,174669E+22
-1990	2,411749E+22	2,544700E+22	2,588738E+22	2,588744E+22	2,544695E+22	2,411705E+22	2,174626E+22	1,897006E+22	1,704027E+22	1,704040E+22	1,897020E+22	2,174605E+22
-1989	2,411639E+22	2,544588E+22	2,588615E+22	2,588625E+22	2,544624E+22	2,411694E+22	2,174662E+22	1,897058E+22	1,704063E+22	1,704043E+22	1,897003E+22	2,174593E+22
-1988	2,411663E+22	2,544690E+22	2,588762E+22	2,588732E+22	2,544658E+22	2,411677E+22	2,174632E+22	1,897044E+22	1,704075E+22	1,704080E+22	1,897059E+22	2,174670E+22
-1987	2,411714E+22	2,544664E+22	2,588705E+22	2,588693E+22	2,544635E+22	2,411664E+22	2,174627E+22	1,897049E+22	1,704085E+22	1,704084E+22	1,897031E+22	2,174582E+22
-1986	2,411594E+22	2,544552E+22	2,588633E+22	2,588681E+22	2,544658E+22	2,411679E+22	2,174625E+22	1,897036E+22	1,704065E+22	1,704062E+22	1,897032E+22	2,174634E+22
-1985	2,411713E+22	2,544716E+22	2,588765E+22	2,588753E+22	2,544690E+22	2,411687E+22	2,174601E+22	1,896985E+22	1,704014E+22	1,704043E+22	1,897059E+22	2,174682E+22
-1984	2,411707E+22	2,544630E+22	2,588643E+22	2,588631E+22	2,544614E+22	2,411678E+22	2,174630E+22	1,897008E+22	1,704005E+22	1,703995E+22	1,896976E+22	2,174579E+22
-1983	2,411625E+22	2,544610E+22	2,588696E+22	2,588702E+22	2,544648E+22	2,411678E+22	2,174628E+22	1,897008E+22	1,703990E+22	1,703967E+22	1,896958E+22	2,174623E+22
-1982	2,411756E+22	2,544743E+22	2,588770E+22	2,588754E+22	2,544687E+22	2,411683E+22	2,174592E+22	1,896957E+22	1,703962E+22	1,703969E+22	1,896962E+22	2,174568E+22
-1981	2,411631E+22	2,544615E+22	2,588648E+22	2,588642E+22	2,544629E+22	2,411677E+22	2,174611E+22	1,896971E+22	1,703951E+22	1,703934E+22	1,896923E+22	2,174538E+22
-1980	2,411609E+22	2,544642E+22	2,588751E+22	2,588750E+22	2,544685E+22	2,411686E+22	2,174592E+22	1,896948E+22	1,703940E+22	1,703947E+22	1,896968E+22	2,174634E+22
-1979	2,411710E+22	2,544655E+22	2,588704E+22	2,588714E+22	2,544669E+22	2,411684E+22	2,174593E+22	1,896942E+22	1,703934E+22	1,703945E+22	1,896950E+22	2,174565E+22
-1978	2,411612E+22	2,544549E+22	2,588591E+22	2,588642E+22	2,544655E+22	2,411692E+22	2,174610E+22	1,896959E+22	1,703933E+22	1,703923E+22	1,896932E+22	2,174583E+22
-1977	2,411699E+22	2,544719E+22	2,588754E+22	2,588721E+22	2,544669E+22	2,411685E+22	2,174594E+22	1,896946E+22	1,703937E+22	1,703947E+22	1,896980E+22	2,174648E+22
-1976	2,411719E+22	2,544668E+22	2,588679E+22	2,588638E+22	2,544593E+22	2,411646E+22	2,174600E+22	1,896978E+22	1,703976E+22	1,703970E+22	1,896951E+22	2,174554E+22
-1975	2,411601E+22	2,544585E+22	2,588684E+22	2,588704E+22	2,544643E+22	2,411655E+22	2,174603E+22	1,897001E+22	1,704005E+22	1,703993E+22	1,896974E+22	2,174609E+22
-1974	2,411722E+22	2,544720E+22	2,588769E+22	2,588771E+22	2,544705E+22	2,411686E+22	2,174587E+22	1,896972E+22	1,704011E+22	1,704041E+22	1,897041E+22	2,174630E+22
-1973	2,411654E+22	2,544609E+22	2,588639E+22	2,588636E+22	2,544626E+22	2,411683E+22	2,174633E+22	1,897021E+22	1,704036E+22	1,704036E+22	1,897010E+22	2,174592E+22
-1972	2,411618E+22	2,544610E+22	2,588710E+22	2,588718E+22	2,544664E+22	2,411694E+22	2,174649E+22	1,897054E+22	1,704077E+22	1,704073E+22	1,897045E+22	2,174667E+22
-1971	2,411741E+22	2,544691E+22	2,588724E+22	2,588712E+22	2,544652E+22	2,411683E+22	2,174647E+22	1,897069E+22	1,704112E+22	1,704116E+22	1,897063E+22	2,174609E+22
-1970	2,411624E+22	2,544572E+22	2,588613E+22	2,588634E+22	2,544621E+22	2,411677E+22	2,174660E+22	1,897096E+22	1,704132E+22	1,704113E+22	1,897042E+22	2,174594E+22
-1969	2,411647E+22	2,544673E+22	2,588758E+22	2,588741E+22	2,544666E+22	2,411679E+22	2,174640E+22	1,897078E+22	1,704134E+22	1,704142E+22	1,897106E+22	2,174692E+22
-1968	2,411714E+22	2,544649E+22	2,588687E+22	2,588671E+22	2,544614E+22	2,411653E+22	2,174629E+22	1,897070E+22	1,704131E+22	1,704144E+22	1,897087E+22	2,174618E+22
-1967	2,411604E+22	2,544542E+22	2,588626E+22	2,588671E+22	2,544638E+22	2,411674E+22	2,174649E+22	1,897076E+22	1,704106E+22	1,704096E+22	1,897052E+22	2,174643E+22
-1966	2,411719E+22	2,544709E+22	2,588748E+22	2,588740E+22	2,544687E+22	2,411696E+22	2,174628E+22	1,897032E+22	1,704071E+22	1,704087E+22	1,897076E+22	2,174671E+22
-1965	2,411699E+22	2,544650E+22	2,588667E+22	2,588623E+22	2,544587E+22	2,411659E+22	2,174636E+22	1,897040E+22	1,704054E+22	1,704038E+22	1,896993E+22	2,174571E+22
-1964	2,411611E+22	2,544604E+22	2,588712E+22	2,588717E+22	2,544641E+22	2,411663E+22	2,174626E+22	1,897035E+22	1,704050E+22	1,704035E+22	1,896991E+22	2,174604E+22
-1963	2,411712E+22	2,544703E+22	2,588752E+22	2,588752E+22	2,544682E+22	2,411675E+22	2,174598E+22	1,896995E+22	1,704029E+22	1,704046E+22	1,897024E+22	2,174589E+22
-1962	2,411610E+22	2,544568E+22	2,588611E+22	2,588641E+22	2,544645E+22	2,411686E+22	2,174617E+22	1,896992E+22	1,703996E+22	1,703990E+22	1,896970E+22	2,174566E+22
-1961	2,411614E+22	2,544617E+22	2,588714E+22	2,588725E+22	2,544678E+22	2,411700E+22	2,174621E+22	1,896988E+22	1,703987E+22	1,703989E+22	1,897004E+22	2,174667E+22
-1960	2,411740E+22	2,544663E+22	2,588682E+22	2,588667E+22	2,544619E+22	2,411657E+22	2,174602E+22	1,896984E+22	1,703993E+22	1,704001E+22	1,896992E+22	2,174589E+22
-1959	2,411629E+22	2,544566E+22	2,588606E+22	2,588630E+22	2,544608E+22	2,411659E+22	2,174622E+22	1,897007E+22	1,703996E+22	1,703976E+22	1,896953E+22	2,174574E+22
-1958	2,411684E+22	2,544713E+22	2,588765E+22	2,588738E+22	2,544669E+22	2,411674E+22	2,174600E+22	1,896988E+22	1,704011E+22	1,704023E+22	1,897024E+22	2,174641E+22
-1957	2,411693E+22	2,544667E+22	2,588701E+22	2,588656E+22	2,544595E+22	2,411636E+22	2,174594E+22	1,896998E+22	1,704027E+22	1,704034E+22	1,897002E+22	2,174572E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411590E+22	2,544561E+22	2,588676E+22	2,588712E+22	2,544655E+22	2,411670E+22	2,174619E+22	1,897030E+22	1,704063E+22	1,704063E+22	1,897021E+22	2,174617E+22
-1955	2,411704E+22	2,544685E+22	2,588735E+22	2,588748E+22	2,544696E+22	2,411698E+22	2,174627E+22	1,897036E+22	1,704086E+22	1,704111E+22	1,897090E+22	2,174653E+22
-1954	2,411657E+22	2,544588E+22	2,588608E+22	2,588620E+22	2,544622E+22	2,411688E+22	2,174660E+22	1,897079E+22	1,704110E+22	1,704097E+22	1,897038E+22	2,174595E+22
-1953	2,411619E+22	2,544609E+22	2,588700E+22	2,588699E+22	2,544642E+22	2,411691E+22	2,174679E+22	1,897120E+22	1,704160E+22	1,704142E+22	1,897083E+22	2,174673E+22
-1952	2,411731E+22	2,544684E+22	2,588720E+22	2,588692E+22	2,544608E+22	2,411639E+22	2,174640E+22	1,897113E+22	1,704192E+22	1,704204E+22	1,897130E+22	2,174633E+22
-1951	2,411610E+22	2,544552E+22	2,588611E+22	2,588635E+22	2,544600E+22	2,411652E+22	2,174660E+22	1,897129E+22	1,704191E+22	1,704180E+22	1,897095E+22	2,174616E+22
-1950	2,411637E+22	2,544646E+22	2,588735E+22	2,588736E+22	2,544669E+22	2,411685E+22	2,174650E+22	1,897105E+22	1,704185E+22	1,704203E+22	1,897155E+22	2,174713E+22
-1949	2,411720E+22	2,544657E+22	2,588685E+22	2,588654E+22	2,544594E+22	2,411643E+22	2,174633E+22	1,897088E+22	1,704160E+22	1,704175E+22	1,897112E+22	2,174638E+22
-1948	2,411625E+22	2,544558E+22	2,588631E+22	2,588666E+22	2,544626E+22	2,411669E+22	2,174657E+22	1,897105E+22	1,704153E+22	1,704136E+22	1,897061E+22	2,174624E+22
-1947	2,411702E+22	2,544707E+22	2,588751E+22	2,588734E+22	2,544667E+22	2,411685E+22	2,174646E+22	1,897083E+22	1,704137E+22	1,704143E+22	1,897100E+22	2,174660E+22
-1946	2,411668E+22	2,544623E+22	2,588665E+22	2,588653E+22	2,544608E+22	2,411657E+22	2,174640E+22	1,897072E+22	1,704110E+22	1,704094E+22	1,897022E+22	2,174565E+22
-1945	2,411585E+22	2,544574E+22	2,588693E+22	2,588725E+22	2,544660E+22	2,411683E+22	2,174647E+22	1,897072E+22	1,704103E+22	1,704089E+22	1,897040E+22	2,174628E+22
-1944	2,411697E+22	2,544667E+22	2,588712E+22	2,588718E+22	2,544656E+22	2,411666E+22	2,174610E+22	1,897027E+22	1,704079E+22	1,704106E+22	1,897085E+22	2,174632E+22
-1943	2,411620E+22	2,544552E+22	2,588585E+22	2,588612E+22	2,544610E+22	2,411676E+22	2,174643E+22	1,897037E+22	1,704045E+22	1,704034E+22	1,897001E+22	2,174586E+22
-1942	2,411630E+22	2,544621E+22	2,588693E+22	2,588694E+22	2,544650E+22	2,411689E+22	2,174638E+22	1,897035E+22	1,704052E+22	1,704047E+22	1,897033E+22	2,174664E+22
-1941	2,411741E+22	2,544694E+22	2,588703E+22	2,588651E+22	2,544575E+22	2,411619E+22	2,174594E+22	1,897012E+22	1,704048E+22	1,704056E+22	1,897024E+22	2,174594E+22
-1940	2,411624E+22	2,544573E+22	2,588630E+22	2,588655E+22	2,544605E+22	2,411634E+22	2,174605E+22	1,897031E+22	1,704062E+22	1,704049E+22	1,896993E+22	2,174566E+22
-1939	2,411649E+22	2,544681E+22	2,588752E+22	2,588745E+22	2,544674E+22	2,411672E+22	2,174608E+22	1,897027E+22	1,704078E+22	1,704098E+22	1,897083E+22	2,174665E+22
-1938	2,411676E+22	2,544625E+22	2,588673E+22	2,588668E+22	2,544621E+22	2,411655E+22	2,174613E+22	1,897032E+22	1,704079E+22	1,704089E+22	1,897042E+22	2,174593E+22
-1937	2,411594E+22	2,544545E+22	2,588645E+22	2,588692E+22	2,544651E+22	2,411692E+22	2,174665E+22	1,897091E+22	1,704126E+22	1,704113E+22	1,897056E+22	2,174634E+22
-1936	2,411704E+22	2,544681E+22	2,588712E+22	2,588705E+22	2,544647E+22	2,411675E+22	2,174650E+22	1,897099E+22	1,704169E+22	1,704184E+22	1,897134E+22	2,174666E+22
-1935	2,411654E+22	2,544591E+22	2,588615E+22	2,588607E+22	2,544579E+22	2,411659E+22	2,174680E+22	1,897142E+22	1,704195E+22	1,704173E+22	1,897075E+22	2,174590E+22
-1934	2,411597E+22	2,544592E+22	2,588693E+22	2,588703E+22	2,544636E+22	2,411675E+22	2,174683E+22	1,897167E+22	1,704245E+22	1,704233E+22	1,897141E+22	2,174677E+22
-1933	2,411709E+22	2,544682E+22	2,588724E+22	2,588692E+22	2,544598E+22	2,411623E+22	2,174629E+22	1,897129E+22	1,704242E+22	1,704270E+22	1,897190E+22	2,174671E+22
-1932	2,411615E+22	2,544541E+22	2,588606E+22	2,588640E+22	2,544604E+22	2,411652E+22	2,174660E+22	1,897148E+22	1,704239E+22	1,704236E+22	1,897135E+22	2,174633E+22
-1931	2,411634E+22	2,544628E+22	2,588713E+22	2,588722E+22	2,544661E+22	2,411690E+22	2,174676E+22	1,897151E+22	1,704240E+22	1,704251E+22	1,897190E+22	2,174734E+22
-1930	2,411727E+22	2,544651E+22	2,588675E+22	2,588659E+22	2,544600E+22	2,411648E+22	2,174652E+22	1,897127E+22	1,704211E+22	1,704213E+22	1,897122E+22	2,174629E+22
-1929	2,411618E+22	2,544562E+22	2,588635E+22	2,588666E+22	2,544620E+22	2,411674E+22	2,174686E+22	1,897157E+22	1,704214E+22	1,704185E+22	1,897086E+22	2,174616E+22
-1928	2,411668E+22	2,544686E+22	2,588744E+22	2,588727E+22	2,544645E+22	2,411660E+22	2,174646E+22	1,897122E+22	1,704205E+22	1,704215E+22	1,897154E+22	2,174675E+22
-1927	2,411646E+22	2,544591E+22	2,588643E+22	2,588641E+22	2,544595E+22	2,411650E+22	2,174650E+22	1,897103E+22	1,704162E+22	1,704150E+22	1,897065E+22	2,174584E+22
-1926	2,411573E+22	2,544538E+22	2,588646E+22	2,588696E+22	2,544653E+22	2,411689E+22	2,174665E+22	1,897104E+22	1,704153E+22	1,704145E+22	1,897085E+22	2,174651E+22
-1925	2,411707E+22	2,544677E+22	2,588696E+22	2,588681E+22	2,544616E+22	2,411641E+22	2,174610E+22	1,897048E+22	1,704113E+22	1,704140E+22	1,897114E+22	2,174661E+22
-1924	2,411646E+22	2,544575E+22	2,588592E+22	2,588597E+22	2,544578E+22	2,411646E+22	2,174634E+22	1,897064E+22	1,704099E+22	1,704081E+22	1,897016E+22	2,174575E+22
-1923	2,411617E+22	2,544628E+22	2,588707E+22	2,588695E+22	2,544628E+22	2,411662E+22	2,174640E+22	1,897077E+22	1,704120E+22	1,704111E+22	1,897068E+22	2,174664E+22
-1922	2,411719E+22	2,544678E+22	2,588714E+22	2,588692E+22	2,544601E+22	2,411613E+22	2,174589E+22	1,897037E+22	1,704102E+22	1,704114E+22	1,897056E+22	2,174593E+22
-1921	2,411603E+22	2,544555E+22	2,588624E+22	2,588672E+22	2,544633E+22	2,411661E+22	2,174634E+22	1,897072E+22	1,704118E+22	1,704106E+22	1,897041E+22	2,174586E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411625E+22	2,544647E+22	2,588723E+22	2,588727E+22	2,544664E+22	2,411676E+22	2,174635E+22	1,897079E+22	1,704147E+22	1,704166E+22	1,897137E+22	2,174696E+22
-1919	2,411677E+22	2,544604E+22	2,588644E+22	2,588642E+22	2,544600E+22	2,411661E+22	2,174657E+22	1,897099E+22	1,704154E+22	1,704151E+22	1,897075E+22	2,174603E+22
-1918	2,411593E+22	2,544537E+22	2,588617E+22	2,588659E+22	2,544628E+22	2,411690E+22	2,174698E+22	1,897163E+22	1,704220E+22	1,704197E+22	1,897100E+22	2,174633E+22
-1917	2,411691E+22	2,544694E+22	2,588721E+22	2,588685E+22	2,544600E+22	2,411634E+22	2,174646E+22	1,897143E+22	1,704247E+22	1,704265E+22	1,897189E+22	2,174685E+22
-1916	2,411645E+22	2,544585E+22	2,588624E+22	2,588618E+22	2,544567E+22	2,411625E+22	2,174657E+22	1,897170E+22	1,704275E+22	1,704263E+22	1,897135E+22	2,174603E+22
-1915	2,411574E+22	2,544563E+22	2,588675E+22	2,588698E+22	2,544633E+22	2,411666E+22	2,174681E+22	1,897196E+22	1,704310E+22	1,704311E+22	1,897210E+22	2,174718E+22
-1914	2,411710E+22	2,544651E+22	2,588700E+22	2,588700E+22	2,544615E+22	2,411632E+22	2,174639E+22	1,897151E+22	1,704281E+22	1,704313E+22	1,897223E+22	2,174698E+22
-1913	2,411638E+22	2,544551E+22	2,588594E+22	2,588629E+22	2,544604E+22	2,411669E+22	2,174695E+22	1,897194E+22	1,704282E+22	1,704267E+22	1,897155E+22	2,174646E+22
-1912	2,411635E+22	2,544633E+22	2,588708E+22	2,588694E+22	2,544624E+22	2,411670E+22	2,174692E+22	1,897201E+22	1,704302E+22	1,704299E+22	1,897209E+22	2,174732E+22
-1911	2,411716E+22	2,544649E+22	2,588686E+22	2,588660E+22	2,544582E+22	2,411637E+22	2,174673E+22	1,897175E+22	1,704275E+22	1,704267E+22	1,897140E+22	2,174611E+22
-1910	2,411586E+22	2,544541E+22	2,588623E+22	2,588668E+22	2,544625E+22	2,411674E+22	2,174696E+22	1,897197E+22	1,704282E+22	1,704257E+22	1,897128E+22	2,174609E+22
-1909	2,411633E+22	2,544666E+22	2,588728E+22	2,588709E+22	2,544631E+22	2,411649E+22	2,174643E+22	1,897138E+22	1,704246E+22	1,704269E+22	1,897202E+22	2,174707E+22
-1908	2,411646E+22	2,544572E+22	2,588624E+22	2,588629E+22	2,544586E+22	2,411640E+22	2,174647E+22	1,897127E+22	1,704212E+22	1,704203E+22	1,897100E+22	2,174603E+22
-1907	2,411575E+22	2,544523E+22	2,588616E+22	2,588663E+22	2,544627E+22	2,411676E+22	2,174678E+22	1,897146E+22	1,704209E+22	1,704195E+22	1,897119E+22	2,174674E+22
-1906	2,411718E+22	2,544676E+22	2,588693E+22	2,588679E+22	2,544604E+22	2,411625E+22	2,174613E+22	1,897081E+22	1,704163E+22	1,704182E+22	1,897129E+22	2,174660E+22
-1905	2,411648E+22	2,544593E+22	2,588614E+22	2,588607E+22	2,544570E+22	2,411635E+22	2,174645E+22	1,897104E+22	1,704155E+22	1,704134E+22	1,897049E+22	2,174575E+22
-1904	2,411586E+22	2,544609E+22	2,588710E+22	2,588702E+22	2,544619E+22	2,411640E+22	2,174633E+22	1,897109E+22	1,704185E+22	1,704183E+22	1,897121E+22	2,174683E+22
-1903	2,411700E+22	2,544648E+22	2,588700E+22	2,588693E+22	2,544611E+22	2,411628E+22	2,174610E+22	1,897070E+22	1,704158E+22	1,704176E+22	1,897099E+22	2,174609E+22
-1902	2,411591E+22	2,544525E+22	2,588586E+22	2,588650E+22	2,544637E+22	2,411684E+22	2,174670E+22	1,897125E+22	1,704187E+22	1,704175E+22	1,897086E+22	2,174599E+22
-1901	2,411624E+22	2,544646E+22	2,588703E+22	2,588689E+22	2,544630E+22	2,411664E+22	2,174655E+22	1,897127E+22	1,704211E+22	1,704224E+22	1,897173E+22	2,174717E+22
-1900	2,411687E+22	2,544614E+22	2,588645E+22	2,588625E+22	2,544570E+22	2,411633E+22	2,174659E+22	1,897153E+22	1,704243E+22	1,704228E+22	1,897108E+22	2,174598E+22
-1899	2,411572E+22	2,544527E+22	2,588616E+22	2,588650E+22	2,544602E+22	2,411663E+22	2,174704E+22	1,897218E+22	1,704310E+22	1,704287E+22	1,897160E+22	2,174652E+22
-1898	2,411674E+22	2,544666E+22	2,588720E+22	2,588709E+22	2,544612E+22	2,411623E+22	2,174640E+22	1,897171E+22	1,704310E+22	1,704338E+22	1,897242E+22	2,174708E+22
-1897	2,411641E+22	2,544574E+22	2,588618E+22	2,588622E+22	2,544578E+22	2,411640E+22	2,174677E+22	1,897203E+22	1,704324E+22	1,704322E+22	1,897191E+22	2,174638E+22
-1896	2,411570E+22	2,544544E+22	2,588656E+22	2,588680E+22	2,544617E+22	2,411661E+22	2,174697E+22	1,897236E+22	1,704366E+22	1,704368E+22	1,897255E+22	2,174752E+22
-1895	2,411729E+22	2,544651E+22	2,588685E+22	2,588676E+22	2,544600E+22	2,411640E+22	2,174672E+22	1,897201E+22	1,704339E+22	1,704356E+22	1,897236E+22	2,174692E+22
-1894	2,411635E+22	2,544555E+22	2,588587E+22	2,588608E+22	2,544589E+22	2,411672E+22	2,174725E+22	1,897253E+22	1,704358E+22	1,704330E+22	1,897175E+22	2,174623E+22
-1893	2,411609E+22	2,544637E+22	2,588722E+22	2,588690E+22	2,544595E+22	2,411639E+22	2,174690E+22	1,897237E+22	1,704365E+22	1,704362E+22	1,897243E+22	2,174732E+22
-1892	2,411690E+22	2,544626E+22	2,588686E+22	2,588670E+22	2,544580E+22	2,411613E+22	2,174654E+22	1,897201E+22	1,704342E+22	1,704339E+22	1,897184E+22	2,174614E+22
-1891	2,411553E+22	2,544497E+22	2,588589E+22	2,588647E+22	2,544619E+22	2,411673E+22	2,174702E+22	1,897223E+22	1,704335E+22	1,704322E+22	1,897187E+22	2,174649E+22
-1890	2,411633E+22	2,544627E+22	2,588695E+22	2,588697E+22	2,544628E+22	2,411648E+22	2,174650E+22	1,897156E+22	1,704277E+22	1,704303E+22	1,897229E+22	2,174733E+22
-1889	2,411671E+22	2,544583E+22	2,588614E+22	2,588604E+22	2,544566E+22	2,411639E+22	2,174667E+22	1,897162E+22	1,704248E+22	1,704234E+22	1,897123E+22	2,174616E+22
-1888	2,411578E+22	2,544533E+22	2,588623E+22	2,588643E+22	2,544587E+22	2,411641E+22	2,174674E+22	1,897181E+22	1,704268E+22	1,704247E+22	1,897144E+22	2,174679E+22
-1887	2,411715E+22	2,544680E+22	2,588710E+22	2,588686E+22	2,544596E+22	2,411616E+22	2,174621E+22	1,897114E+22	1,704221E+22	1,704237E+22	1,897151E+22	2,174647E+22
-1886	2,411623E+22	2,544577E+22	2,588614E+22	2,588622E+22	2,544592E+22	2,411649E+22	2,174659E+22	1,897141E+22	1,704220E+22	1,704205E+22	1,897093E+22	2,174575E+22
-1885	2,411559E+22	2,544589E+22	2,588700E+22	2,588695E+22	2,544618E+22	2,411645E+22	2,174645E+22	1,897137E+22	1,704233E+22	1,704240E+22	1,897167E+22	2,174710E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411698E+22	2,544627E+22	2,588683E+22	2,588685E+22	2,544610E+22	2,411632E+22	2,174626E+22	1,897117E+22	1,704228E+22	1,704239E+22	1,897136E+22	2,174622E+22
-1883	2,411587E+22	2,544507E+22	2,588554E+22	2,588610E+22	2,544613E+22	2,411684E+22	2,174702E+22	1,897190E+22	1,704270E+22	1,704250E+22	1,897133E+22	2,174620E+22
-1882	2,411621E+22	2,544628E+22	2,588692E+22	2,588677E+22	2,544609E+22	2,411650E+22	2,174670E+22	1,897180E+22	1,704290E+22	1,704296E+22	1,897208E+22	2,174722E+22
-1881	2,411686E+22	2,544620E+22	2,588658E+22	2,588627E+22	2,544553E+22	2,411616E+22	2,174669E+22	1,897203E+22	1,704320E+22	1,704311E+22	1,897170E+22	2,174616E+22
-1880	2,411550E+22	2,544502E+22	2,588607E+22	2,588641E+22	2,544580E+22	2,411629E+22	2,174689E+22	1,897250E+22	1,704384E+22	1,704373E+22	1,897229E+22	2,174690E+22
-1879	2,411673E+22	2,544642E+22	2,588701E+22	2,588694E+22	2,544609E+22	2,411631E+22	2,174654E+22	1,897200E+22	1,704364E+22	1,704400E+22	1,897287E+22	2,174733E+22
-1878	2,411650E+22	2,544566E+22	2,588601E+22	2,588605E+22	2,544574E+22	2,411651E+22	2,174704E+22	1,897247E+22	1,704382E+22	1,704378E+22	1,897223E+22	2,174646E+22
-1877	2,411578E+22	2,544558E+22	2,588654E+22	2,588654E+22	2,544585E+22	2,411645E+22	2,174709E+22	1,897275E+22	1,704419E+22	1,704411E+22	1,897272E+22	2,174753E+22
-1876	2,411731E+22	2,544664E+22	2,588704E+22	2,588679E+22	2,544585E+22	2,411619E+22	2,174672E+22	1,897248E+22	1,704416E+22	1,704418E+22	1,897252E+22	2,174668E+22
-1875	2,411600E+22	2,544535E+22	2,588589E+22	2,588611E+22	2,544583E+22	2,411662E+22	2,174735E+22	1,897300E+22	1,704435E+22	1,704407E+22	1,897222E+22	2,174626E+22
-1874	2,411572E+22	2,544585E+22	2,588709E+22	2,588709E+22	2,544613E+22	2,411642E+22	2,174693E+22	1,897262E+22	1,704417E+22	1,704421E+22	1,897285E+22	2,174744E+22
-1873	2,411677E+22	2,544600E+22	2,588669E+22	2,588664E+22	2,544585E+22	2,411629E+22	2,174676E+22	1,897231E+22	1,704381E+22	1,704390E+22	1,897239E+22	2,174648E+22
-1872	2,411548E+22	2,544466E+22	2,588556E+22	2,588613E+22	2,544589E+22	2,411658E+22	2,174711E+22	1,897257E+22	1,704383E+22	1,704372E+22	1,897230E+22	2,174686E+22
-1871	2,411661E+22	2,544629E+22	2,588674E+22	2,588658E+22	2,544601E+22	2,411649E+22	2,174671E+22	1,897192E+22	1,704325E+22	1,704343E+22	1,897245E+22	2,174733E+22
-1870	2,411681E+22	2,544600E+22	2,588622E+22	2,588589E+22	2,544543E+22	2,411629E+22	2,174682E+22	1,897205E+22	1,704311E+22	1,704293E+22	1,897145E+22	2,174601E+22
-1869	2,411566E+22	2,544544E+22	2,588645E+22	2,588648E+22	2,544566E+22	2,411610E+22	2,174661E+22	1,897203E+22	1,704318E+22	1,704305E+22	1,897180E+22	2,174683E+22
-1868	2,411700E+22	2,544665E+22	2,588718E+22	2,588707E+22	2,544609E+22	2,411604E+22	2,174605E+22	1,897138E+22	1,704283E+22	1,704302E+22	1,897190E+22	2,174650E+22
-1867	2,411596E+22	2,544537E+22	2,588587E+22	2,588610E+22	2,544599E+22	2,411666E+22	2,174682E+22	1,897179E+22	1,704278E+22	1,704270E+22	1,897147E+22	2,174608E+22
-1866	2,411556E+22	2,544547E+22	2,588672E+22	2,588687E+22	2,544617E+22	2,411657E+22	2,174673E+22	1,897179E+22	1,704284E+22	1,704286E+22	1,897194E+22	2,174723E+22
-1865	2,411711E+22	2,544631E+22	2,588672E+22	2,588658E+22	2,544586E+22	2,411633E+22	2,174660E+22	1,897175E+22	1,704291E+22	1,704296E+22	1,897174E+22	2,174630E+22
-1864	2,411576E+22	2,544501E+22	2,588554E+22	2,588585E+22	2,544565E+22	2,411647E+22	2,174707E+22	1,897245E+22	1,704357E+22	1,704332E+22	1,897181E+22	2,174633E+22
-1863	2,411619E+22	2,544621E+22	2,588692E+22	2,588666E+22	2,544590E+22	2,411636E+22	2,174674E+22	1,897221E+22	1,704366E+22	1,704376E+22	1,897254E+22	2,174722E+22
-1862	2,411668E+22	2,544602E+22	2,588652E+22	2,588627E+22	2,544556E+22	2,411617E+22	2,174677E+22	1,897241E+22	1,704394E+22	1,704395E+22	1,897228E+22	2,174631E+22
-1861	2,411543E+22	2,544491E+22	2,588601E+22	2,588634E+22	2,544569E+22	2,411621E+22	2,174691E+22	1,897274E+22	1,704434E+22	1,704434E+22	1,897280E+22	2,174724E+22
-1860	2,411687E+22	2,544635E+22	2,588694E+22	2,588691E+22	2,544605E+22	2,411623E+22	2,174663E+22	1,897245E+22	1,704431E+22	1,704456E+22	1,897316E+22	2,174738E+22
-1859	2,411647E+22	2,544559E+22	2,588590E+22	2,588584E+22	2,544561E+22	2,411657E+22	2,174735E+22	1,897307E+22	1,704457E+22	1,704444E+22	1,897259E+22	2,174652E+22
-1858	2,411565E+22	2,544540E+22	2,588660E+22	2,588662E+22	2,544574E+22	2,411637E+22	2,174727E+22	1,897323E+22	1,704486E+22	1,704472E+22	1,897296E+22	2,174736E+22
-1857	2,411708E+22	2,544656E+22	2,588714E+22	2,588690E+22	2,544583E+22	2,411614E+22	2,174687E+22	1,897291E+22	1,704479E+22	1,704490E+22	1,897308E+22	2,174675E+22
-1856	2,411562E+22	2,544490E+22	2,588565E+22	2,588598E+22	2,544568E+22	2,411646E+22	2,174730E+22	1,897330E+22	1,704499E+22	1,704484E+22	1,897287E+22	2,174664E+22
-1855	2,411573E+22	2,544548E+22	2,588663E+22	2,588672E+22	2,544604E+22	2,411658E+22	2,174711E+22	1,897287E+22	1,704460E+22	1,704472E+22	1,897325E+22	2,174769E+22
-1854	2,411692E+22	2,544591E+22	2,588639E+22	2,588630E+22	2,544565E+22	2,411631E+22	2,174700E+22	1,897270E+22	1,704429E+22	1,704435E+22	1,897267E+22	2,174662E+22
-1853	2,411572E+22	2,544489E+22	2,588555E+22	2,588583E+22	2,544543E+22	2,411624E+22	2,174708E+22	1,897282E+22	1,704422E+22	1,704406E+22	1,897247E+22	2,174692E+22
-1852	2,411674E+22	2,544652E+22	2,588703E+22	2,588668E+22	2,544579E+22	2,411612E+22	2,174657E+22	1,897226E+22	1,704386E+22	1,704393E+22	1,897260E+22	2,174714E+22
-1851	2,411656E+22	2,544593E+22	2,588638E+22	2,588606E+22	2,544547E+22	2,411623E+22	2,174685E+22	1,897236E+22	1,704370E+22	1,704357E+22	1,897189E+22	2,174605E+22
-1850	2,411535E+22	2,544504E+22	2,588645E+22	2,588675E+22	2,544589E+22	2,411624E+22	2,174671E+22	1,897225E+22	1,704360E+22	1,704353E+22	1,897212E+22	2,174685E+22
-1849	2,411686E+22	2,544646E+22	2,588710E+22	2,588711E+22	2,544624E+22	2,411632E+22	2,174642E+22	1,897177E+22	1,704325E+22	1,704352E+22	1,897237E+22	2,174671E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411586E+22	2,544504E+22	2,588552E+22	2,588577E+22	2,544571E+22	2,411659E+22	2,174706E+22	1,897233E+22	1,704347E+22	1,704332E+22	1,897190E+22	2,174633E+22
-1847	2,411570E+22	2,544534E+22	2,588636E+22	2,588639E+22	2,544588E+22	2,411662E+22	2,174705E+22	1,897237E+22	1,704360E+22	1,704351E+22	1,897223E+22	2,174718E+22
-1846	2,411705E+22	2,544632E+22	2,588675E+22	2,588640E+22	2,544553E+22	2,411614E+22	2,174678E+22	1,897236E+22	1,704380E+22	1,704382E+22	1,897221E+22	2,174629E+22
-1845	2,411562E+22	2,544496E+22	2,588561E+22	2,588581E+22	2,544530E+22	2,411601E+22	2,174686E+22	1,897273E+22	1,704426E+22	1,704415E+22	1,897243E+22	2,174657E+22
-1844	2,411614E+22	2,544606E+22	2,588691E+22	2,588676E+22	2,544588E+22	2,411610E+22	2,174655E+22	1,897247E+22	1,704436E+22	1,704455E+22	1,897312E+22	2,174744E+22
-1843	2,411660E+22	2,544577E+22	2,588631E+22	2,588615E+22	2,544556E+22	2,411625E+22	2,174694E+22	1,897275E+22	1,704451E+22	1,704463E+22	1,897286E+22	2,174667E+22
-1842	2,411550E+22	2,544471E+22	2,588590E+22	2,588633E+22	2,544566E+22	2,411629E+22	2,174715E+22	1,897313E+22	1,704482E+22	1,704475E+22	1,897300E+22	2,174728E+22
-1841	2,411698E+22	2,544652E+22	2,588704E+22	2,588687E+22	2,544595E+22	2,411630E+22	2,174697E+22	1,897299E+22	1,704491E+22	1,704509E+22	1,897346E+22	2,174733E+22
-1840	2,411624E+22	2,544544E+22	2,588593E+22	2,588580E+22	2,544535E+22	2,411636E+22	2,174749E+22	1,897364E+22	1,704540E+22	1,704519E+22	1,897300E+22	2,174656E+22
-1839	2,411548E+22	2,544512E+22	2,588642E+22	2,588656E+22	2,544578E+22	2,411648E+22	2,174745E+22	1,897367E+22	1,704558E+22	1,704546E+22	1,897339E+22	2,174732E+22
-1838	2,411677E+22	2,544625E+22	2,588694E+22	2,588683E+22	2,544586E+22	2,411626E+22	2,174709E+22	1,897333E+22	1,704544E+22	1,704563E+22	1,897361E+22	2,174695E+22
-1837	2,411559E+22	2,544471E+22	2,588541E+22	2,588573E+22	2,544541E+22	2,411630E+22	2,174735E+22	1,897355E+22	1,704542E+22	1,704535E+22	1,897335E+22	2,174702E+22
-1836	2,411598E+22	2,544550E+22	2,588646E+22	2,588650E+22	2,544577E+22	2,411632E+22	2,174712E+22	1,897325E+22	1,704516E+22	1,704516E+22	1,897349E+22	2,174776E+22
-1835	2,411701E+22	2,544599E+22	2,588631E+22	2,588606E+22	2,544538E+22	2,411620E+22	2,174714E+22	1,897312E+22	1,704488E+22	1,704488E+22	1,897297E+22	2,174670E+22
-1834	2,411568E+22	2,544491E+22	2,588581E+22	2,588603E+22	2,544530E+22	2,411604E+22	2,174707E+22	1,897310E+22	1,704469E+22	1,704449E+22	1,897264E+22	2,174679E+22
-1833	2,411657E+22	2,544652E+22	2,588724E+22	2,588694E+22	2,544587E+22	2,411607E+22	2,174660E+22	1,897249E+22	1,704428E+22	1,704447E+22	1,897305E+22	2,174715E+22
-1832	2,411617E+22	2,544551E+22	2,588621E+22	2,588610E+22	2,544548E+22	2,411620E+22	2,174689E+22	1,897262E+22	1,704421E+22	1,704417E+22	1,897241E+22	2,174634E+22
-1831	2,411534E+22	2,544469E+22	2,588598E+22	2,588644E+22	2,544590E+22	2,411652E+22	2,174702E+22	1,897259E+22	1,704406E+22	1,704400E+22	1,897243E+22	2,174691E+22
-1830	2,411680E+22	2,544630E+22	2,588679E+22	2,588678E+22	2,544603E+22	2,411639E+22	2,174678E+22	1,897234E+22	1,704390E+22	1,704407E+22	1,897264E+22	2,174676E+22
-1829	2,411594E+22	2,544511E+22	2,588543E+22	2,588546E+22	2,544523E+22	2,411624E+22	2,174708E+22	1,897277E+22	1,704414E+22	1,704394E+22	1,897225E+22	2,174643E+22
-1828	2,411574E+22	2,544541E+22	2,588643E+22	2,588637E+22	2,544554E+22	2,411614E+22	2,174694E+22	1,897285E+22	1,704445E+22	1,704428E+22	1,897264E+22	2,174714E+22
-1827	2,411680E+22	2,544615E+22	2,588671E+22	2,588645E+22	2,544549E+22	2,411601E+22	2,174678E+22	1,897273E+22	1,704454E+22	1,704469E+22	1,897290E+22	2,174656E+22
-1826	2,411544E+22	2,544467E+22	2,588562E+22	2,588600E+22	2,544539E+22	2,411602E+22	2,174690E+22	1,897294E+22	1,704473E+22	1,704473E+22	1,897291E+22	2,174680E+22
-1825	2,411616E+22	2,544599E+22	2,588689E+22	2,588682E+22	2,544595E+22	2,411627E+22	2,174683E+22	1,897282E+22	1,704480E+22	1,704510E+22	1,897364E+22	2,174770E+22
-1824	2,411658E+22	2,544560E+22	2,588611E+22	2,588599E+22	2,544539E+22	2,411624E+22	2,174720E+22	1,897331E+22	1,704522E+22	1,704525E+22	1,897325E+22	2,174688E+22
-1823	2,411565E+22	2,544472E+22	2,588568E+22	2,588600E+22	2,544553E+22	2,411646E+22	2,174754E+22	1,897376E+22	1,704561E+22	1,704540E+22	1,897322E+22	2,174708E+22
-1822	2,411673E+22	2,544650E+22	2,588712E+22	2,588685E+22	2,544579E+22	2,411625E+22	2,174727E+22	1,897369E+22	1,704584E+22	1,704592E+22	1,897384E+22	2,174726E+22
-1821	2,411600E+22	2,544524E+22	2,588585E+22	2,588578E+22	2,544513E+22	2,411603E+22	2,174741E+22	1,897401E+22	1,704614E+22	1,704601E+22	1,897361E+22	2,174680E+22
-1820	2,411537E+22	2,544483E+22	2,588616E+22	2,588648E+22	2,544567E+22	2,411626E+22	2,174740E+22	1,897402E+22	1,704625E+22	1,704617E+22	1,897395E+22	2,174757E+22
-1819	2,411670E+22	2,544597E+22	2,588659E+22	2,588655E+22	2,544570E+22	2,411628E+22	2,174727E+22	1,897367E+22	1,704595E+22	1,704621E+22	1,897416E+22	2,174735E+22
-1818	2,411570E+22	2,544465E+22	2,588532E+22	2,588557E+22	2,544515E+22	2,411615E+22	2,174742E+22	1,897381E+22	1,704577E+22	1,704564E+22	1,897350E+22	2,174709E+22
-1817	2,411615E+22	2,544582E+22	2,588670E+22	2,588651E+22	2,544557E+22	2,411616E+22	2,174720E+22	1,897355E+22	1,704557E+22	1,704558E+22	1,897373E+22	2,174770E+22
-1816	2,411682E+22	2,544597E+22	2,588647E+22	2,588617E+22	2,544520E+22	2,411591E+22	2,174706E+22	1,897343E+22	1,704546E+22	1,704544E+22	1,897326E+22	2,174669E+22
-1815	2,411551E+22	2,544471E+22	2,588566E+22	2,588608E+22	2,544552E+22	2,411623E+22	2,174717E+22	1,897336E+22	1,704518E+22	1,704501E+22	1,897292E+22	2,174666E+22
-1814	2,411619E+22	2,544623E+22	2,588712E+22	2,588702E+22	2,544606E+22	2,411631E+22	2,174690E+22	1,897289E+22	1,704481E+22	1,704500E+22	1,897339E+22	2,174728E+22
-1813	2,411608E+22	2,544522E+22	2,588590E+22	2,588590E+22	2,544531E+22	2,411614E+22	2,174704E+22	1,897298E+22	1,704469E+22	1,704466E+22	1,897280E+22	2,174663E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411548E+22	2,544460E+22	2,588565E+22	2,588614E+22	2,544563E+22	2,411634E+22	2,174719E+22	1,897315E+22	1,704477E+22	1,704456E+22	1,897272E+22	2,174695E+22
-1811	2,411672E+22	2,544625E+22	2,588661E+22	2,588645E+22	2,544569E+22	2,411626E+22	2,174699E+22	1,897289E+22	1,704468E+22	1,704481E+22	1,897311E+22	2,174689E+22
-1810	2,411579E+22	2,544505E+22	2,588558E+22	2,588552E+22	2,544495E+22	2,411589E+22	2,174702E+22	1,897312E+22	1,704479E+22	1,704462E+22	1,897267E+22	2,174648E+22
-1809	2,411563E+22	2,544543E+22	2,588658E+22	2,588655E+22	2,544553E+22	2,411596E+22	2,174685E+22	1,897307E+22	1,704500E+22	1,704505E+22	1,897331E+22	2,174737E+22
-1808	2,411659E+22	2,544583E+22	2,588650E+22	2,588641E+22	2,544545E+22	2,411593E+22	2,174679E+22	1,897301E+22	1,704514E+22	1,704538E+22	1,897351E+22	2,174701E+22
-1807	2,411561E+22	2,544452E+22	2,588525E+22	2,588576E+22	2,544545E+22	2,411630E+22	2,174721E+22	1,897336E+22	1,704525E+22	1,704523E+22	1,897322E+22	2,174689E+22
-1806	2,411619E+22	2,544603E+22	2,588682E+22	2,588667E+22	2,544583E+22	2,411638E+22	2,174726E+22	1,897350E+22	1,704554E+22	1,704563E+22	1,897383E+22	2,174769E+22
-1805	2,411660E+22	2,544569E+22	2,588616E+22	2,588587E+22	2,544506E+22	2,411599E+22	2,174734E+22	1,897387E+22	1,704602E+22	1,704594E+22	1,897359E+22	2,174688E+22
-1804	2,411555E+22	2,544472E+22	2,588573E+22	2,588606E+22	2,544535E+22	2,411615E+22	2,174759E+22	1,897438E+22	1,704655E+22	1,704624E+22	1,897366E+22	2,174697E+22
-1803	2,411628E+22	2,544614E+22	2,588695E+22	2,588684E+22	2,544583E+22	2,411626E+22	2,174741E+22	1,897416E+22	1,704665E+22	1,704682E+22	1,897454E+22	2,174751E+22
-1802	2,411574E+22	2,544489E+22	2,588575E+22	2,588580E+22	2,544511E+22	2,411601E+22	2,174748E+22	1,897429E+22	1,704666E+22	1,704661E+22	1,897412E+22	2,174711E+22
-1801	2,411545E+22	2,544475E+22	2,588601E+22	2,588634E+22	2,544555E+22	2,411622E+22	2,174754E+22	1,897431E+22	1,704667E+22	1,704669E+22	1,897444E+22	2,174786E+22
-1800	2,411673E+22	2,544585E+22	2,588634E+22	2,588625E+22	2,544541E+22	2,411610E+22	2,174736E+22	1,897408E+22	1,704652E+22	1,704671E+22	1,897449E+22	2,174759E+22
-1799	2,411592E+22	2,544480E+22	2,588522E+22	2,588533E+22	2,544500E+22	2,411615E+22	2,174755E+22	1,897417E+22	1,704630E+22	1,704609E+22	1,897363E+22	2,174690E+22
-1798	2,411592E+22	2,544586E+22	2,588690E+22	2,588663E+22	2,544550E+22	2,411605E+22	2,174730E+22	1,897396E+22	1,704618E+22	1,704613E+22	1,897396E+22	2,174764E+22
-1797	2,411659E+22	2,544576E+22	2,588644E+22	2,588628E+22	2,544520E+22	2,411571E+22	2,174692E+22	1,897359E+22	1,704594E+22	1,704601E+22	1,897370E+22	2,174688E+22
-1796	2,411542E+22	2,544447E+22	2,588539E+22	2,588600E+22	2,544551E+22	2,411616E+22	2,174723E+22	1,897368E+22	1,704569E+22	1,704552E+22	1,897328E+22	2,174678E+22
-1795	2,411599E+22	2,544589E+22	2,588671E+22	2,588672E+22	2,544598E+22	2,411645E+22	2,174721E+22	1,897333E+22	1,704533E+22	1,704550E+22	1,897378E+22	2,174751E+22
-1794	2,411607E+22	2,544514E+22	2,588580E+22	2,588567E+22	2,544502E+22	2,411600E+22	2,174720E+22	1,897339E+22	1,704519E+22	1,704504E+22	1,897298E+22	2,174668E+22
-1793	2,411555E+22	2,544480E+22	2,588577E+22	2,588603E+22	2,544533E+22	2,411609E+22	2,174725E+22	1,897353E+22	1,704536E+22	1,704519E+22	1,897312E+22	2,174697E+22
-1792	2,411649E+22	2,544612E+22	2,588661E+22	2,588643E+22	2,544546E+22	2,411594E+22	2,174693E+22	1,897328E+22	1,704542E+22	1,704558E+22	1,897364E+22	2,174710E+22
-1791	2,411574E+22	2,544492E+22	2,588541E+22	2,588549E+22	2,544510E+22	2,411600E+22	2,174706E+22	1,897339E+22	1,704538E+22	1,704529E+22	1,897312E+22	2,174655E+22
-1790	2,411544E+22	2,544530E+22	2,588657E+22	2,588661E+22	2,544564E+22	2,411611E+22	2,174710E+22	1,897351E+22	1,704562E+22	1,704565E+22	1,897372E+22	2,174764E+22
-1789	2,411667E+22	2,544570E+22	2,588632E+22	2,588630E+22	2,544533E+22	2,411584E+22	2,174693E+22	1,897344E+22	1,704575E+22	1,704596E+22	1,897390E+22	2,174727E+22
-1788	2,411579E+22	2,544458E+22	2,588511E+22	2,588558E+22	2,544526E+22	2,411617E+22	2,174749E+22	1,897407E+22	1,704611E+22	1,704589E+22	1,897350E+22	2,174683E+22
-1787	2,411597E+22	2,544596E+22	2,588679E+22	2,588654E+22	2,544566E+22	2,411636E+22	2,174759E+22	1,897421E+22	1,704649E+22	1,704649E+22	1,897430E+22	2,174769E+22
-1786	2,411626E+22	2,544550E+22	2,588630E+22	2,588597E+22	2,544490E+22	2,411574E+22	2,174737E+22	1,897434E+22	1,704681E+22	1,704674E+22	1,897409E+22	2,174694E+22
-1785	2,411531E+22	2,544453E+22	2,588569E+22	2,588612E+22	2,544538E+22	2,411607E+22	2,174757E+22	1,897464E+22	1,704720E+22	1,704712E+22	1,897442E+22	2,174727E+22
-1784	2,411604E+22	2,544568E+22	2,588654E+22	2,588658E+22	2,544567E+22	2,411617E+22	2,174744E+22	1,897445E+22	1,704724E+22	1,704753E+22	1,897517E+22	2,174802E+22
-1783	2,411597E+22	2,544473E+22	2,588527E+22	2,588538E+22	2,544500E+22	2,411612E+22	2,174766E+22	1,897461E+22	1,704711E+22	1,704705E+22	1,897440E+22	2,174725E+22
-1782	2,411557E+22	2,544491E+22	2,588603E+22	2,588617E+22	2,544533E+22	2,411613E+22	2,174773E+22	1,897478E+22	1,704724E+22	1,704709E+22	1,897455E+22	2,174792E+22
-1781	2,411685E+22	2,544598E+22	2,588646E+22	2,588619E+22	2,544509E+22	2,411572E+22	2,174727E+22	1,897439E+22	1,704708E+22	1,704721E+22	1,897470E+22	2,174758E+22
-1780	2,411588E+22	2,544486E+22	2,588538E+22	2,588549E+22	2,544494E+22	2,411590E+22	2,174753E+22	1,897456E+22	1,704690E+22	1,704665E+22	1,897388E+22	2,174675E+22
-1779	2,411550E+22	2,544556E+22	2,588682E+22	2,588672E+22	2,544568E+22	2,411621E+22	2,174747E+22	1,897427E+22	1,704671E+22	1,704672E+22	1,897439E+22	2,174774E+22
-1778	2,411627E+22	2,544543E+22	2,588637E+22	2,588631E+22	2,544527E+22	2,411582E+22	2,174708E+22	1,897385E+22	1,704630E+22	1,704640E+22	1,897399E+22	2,174704E+22
-1777	2,411543E+22	2,544437E+22	2,588521E+22	2,588583E+22	2,544546E+22	2,411623E+22	2,174745E+22	1,897400E+22	1,704614E+22	1,704603E+22	1,897367E+22	2,174694E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411592E+22	2,544566E+22	2,588636E+22	2,588631E+22	2,544566E+22	2,411633E+22	2,174739E+22	1,897384E+22	1,704603E+22	1,704610E+22	1,897411E+22	2,174770E+22
-1775	2,411619E+22	2,544518E+22	2,588562E+22	2,588536E+22	2,544481E+22	2,411592E+22	2,174732E+22	1,897384E+22	1,704589E+22	1,704569E+22	1,897327E+22	2,174660E+22
-1774	2,411534E+22	2,544479E+22	2,588596E+22	2,588612E+22	2,544519E+22	2,411585E+22	2,174726E+22	1,897397E+22	1,704610E+22	1,704590E+22	1,897355E+22	2,174713E+22
-1773	2,411639E+22	2,544588E+22	2,588655E+22	2,588646E+22	2,544537E+22	2,411567E+22	2,174674E+22	1,897347E+22	1,704600E+22	1,704631E+22	1,897425E+22	2,174748E+22
-1772	2,411584E+22	2,544482E+22	2,588526E+22	2,588541E+22	2,544503E+22	2,411592E+22	2,174716E+22	1,897375E+22	1,704594E+22	1,704589E+22	1,897356E+22	2,174675E+22
-1771	2,411537E+22	2,544512E+22	2,588633E+22	2,588641E+22	2,544561E+22	2,411627E+22	2,174744E+22	1,897401E+22	1,704624E+22	1,704623E+22	1,897408E+22	2,174779E+22
-1770	2,411665E+22	2,544575E+22	2,588643E+22	2,588623E+22	2,544518E+22	2,411577E+22	2,174712E+22	1,897395E+22	1,704641E+22	1,704649E+22	1,897411E+22	2,174724E+22
-1769	2,411575E+22	2,544472E+22	2,588530E+22	2,588560E+22	2,544510E+22	2,411602E+22	2,174760E+22	1,897453E+22	1,704690E+22	1,704671E+22	1,897395E+22	2,174677E+22
-1768	2,411554E+22	2,544554E+22	2,588663E+22	2,588652E+22	2,544557E+22	2,411621E+22	2,174767E+22	1,897473E+22	1,704738E+22	1,704742E+22	1,897491E+22	2,174789E+22
-1767	2,411610E+22	2,544517E+22	2,588595E+22	2,588584E+22	2,544504E+22	2,411590E+22	2,174751E+22	1,897472E+22	1,704749E+22	1,704752E+22	1,897465E+22	2,174711E+22
-1766	2,411514E+22	2,544428E+22	2,588551E+22	2,588597E+22	2,544529E+22	2,411612E+22	2,174783E+22	1,897511E+22	1,704782E+22	1,704772E+22	1,897489E+22	2,174768E+22
-1765	2,411623E+22	2,544551E+22	2,588625E+22	2,588626E+22	2,544537E+22	2,411597E+22	2,174750E+22	1,897482E+22	1,704780E+22	1,704808E+22	1,897557E+22	2,174835E+22
-1764	2,411631E+22	2,544495E+22	2,588522E+22	2,588510E+22	2,544463E+22	2,411585E+22	2,174778E+22	1,897512E+22	1,704776E+22	1,704758E+22	1,897459E+22	2,174718E+22
-1763	2,411547E+22	2,544497E+22	2,588617E+22	2,588613E+22	2,544514E+22	2,411601E+22	2,174787E+22	1,897523E+22	1,704791E+22	1,704772E+22	1,897485E+22	2,174783E+22
-1762	2,411656E+22	2,544593E+22	2,588675E+22	2,588644E+22	2,544509E+22	2,411552E+22	2,174718E+22	1,897463E+22	1,704758E+22	1,704774E+22	1,897500E+22	2,174755E+22
-1761	2,411565E+22	2,544470E+22	2,588542E+22	2,588565E+22	2,544512E+22	2,411595E+22	2,174752E+22	1,897468E+22	1,704734E+22	1,704727E+22	1,897438E+22	2,174689E+22
-1760	2,411519E+22	2,544501E+22	2,588641E+22	2,588651E+22	2,544566E+22	2,411633E+22	2,174768E+22	1,897461E+22	1,704719E+22	1,704724E+22	1,897480E+22	2,174803E+22
-1759	2,411638E+22	2,544522E+22	2,588590E+22	2,588591E+22	2,544520E+22	2,411599E+22	2,174737E+22	1,897425E+22	1,704677E+22	1,704680E+22	1,897418E+22	2,174704E+22
-1758	2,411542E+22	2,544444E+22	2,588522E+22	2,588558E+22	2,544516E+22	2,411613E+22	2,174768E+22	1,897455E+22	1,704680E+22	1,704651E+22	1,897386E+22	2,174702E+22
-1757	2,411597E+22	2,544563E+22	2,588638E+22	2,588615E+22	2,544527E+22	2,411590E+22	2,174726E+22	1,897418E+22	1,704671E+22	1,704679E+22	1,897450E+22	2,174779E+22
-1756	2,411620E+22	2,544518E+22	2,588569E+22	2,588541E+22	2,544464E+22	2,411561E+22	2,174725E+22	1,897420E+22	1,704655E+22	1,704641E+22	1,897373E+22	2,174665E+22
-1755	2,411508E+22	2,544455E+22	2,588592E+22	2,588621E+22	2,544532E+22	2,411594E+22	2,174735E+22	1,897425E+22	1,704666E+22	1,704659E+22	1,897411E+22	2,174738E+22
-1754	2,411626E+22	2,544570E+22	2,588656E+22	2,588647E+22	2,544538E+22	2,411570E+22	2,174685E+22	1,897373E+22	1,704641E+22	1,704676E+22	1,897459E+22	2,174770E+22
-1753	2,411596E+22	2,544483E+22	2,588524E+22	2,588535E+22	2,544504E+22	2,411601E+22	2,174737E+22	1,897411E+22	1,704650E+22	1,704650E+22	1,897394E+22	2,174685E+22
-1752	2,411528E+22	2,544493E+22	2,588613E+22	2,588612E+22	2,544539E+22	2,411626E+22	2,174774E+22	1,897464E+22	1,704706E+22	1,704694E+22	1,897442E+22	2,174781E+22
-1751	2,411658E+22	2,544566E+22	2,588628E+22	2,588605E+22	2,544508E+22	2,411578E+22	2,174735E+22	1,897453E+22	1,704726E+22	1,704729E+22	1,897447E+22	2,174710E+22
-1750	2,411540E+22	2,544453E+22	2,588538E+22	2,588566E+22	2,544504E+22	2,411591E+22	2,174772E+22	1,897511E+22	1,704779E+22	1,704757E+22	1,897452E+22	2,174702E+22
-1749	2,411541E+22	2,544508E+22	2,588629E+22	2,588633E+22	2,544540E+22	2,411600E+22	2,174759E+22	1,897504E+22	1,704808E+22	1,704826E+22	1,897560E+22	2,174833E+22
-1748	2,411626E+22	2,544501E+22	2,588564E+22	2,588552E+22	2,544475E+22	2,411576E+22	2,174767E+22	1,897516E+22	1,704809E+22	1,704817E+22	1,897514E+22	2,174739E+22
-1747	2,411523E+22	2,544421E+22	2,588534E+22	2,588569E+22	2,544505E+22	2,411608E+22	2,174804E+22	1,897556E+22	1,704841E+22	1,704828E+22	1,897524E+22	2,174782E+22
-1746	2,411630E+22	2,544572E+22	2,588649E+22	2,588618E+22	2,544506E+22	2,411571E+22	2,174752E+22	1,897517E+22	1,704832E+22	1,704851E+22	1,897572E+22	2,174829E+22
-1745	2,411632E+22	2,544519E+22	2,588562E+22	2,588532E+22	2,544458E+22	2,411568E+22	2,174772E+22	1,897535E+22	1,704834E+22	1,704824E+22	1,897493E+22	2,174704E+22
-1744	2,411508E+22	2,544465E+22	2,588614E+22	2,588626E+22	2,544525E+22	2,411602E+22	2,174793E+22	1,897557E+22	1,704853E+22	1,704838E+22	1,897526E+22	2,174786E+22
-1743	2,411636E+22	2,544560E+22	2,588646E+22	2,588645E+22	2,544540E+22	2,411584E+22	2,174740E+22	1,897492E+22	1,704806E+22	1,704826E+22	1,897534E+22	2,174758E+22
-1742	2,411542E+22	2,544440E+22	2,588528E+22	2,588558E+22	2,544514E+22	2,411613E+22	2,174787E+22	1,897517E+22	1,704787E+22	1,704770E+22	1,897471E+22	2,174718E+22
-1741	2,411526E+22	2,544465E+22	2,588597E+22	2,588612E+22	2,544538E+22	2,411621E+22	2,174782E+22	1,897504E+22	1,704778E+22	1,704778E+22	1,897516E+22	2,174824E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411661E+22	2,544531E+22	2,588578E+22	2,588553E+22	2,544471E+22	2,411573E+22	2,174756E+22	1,897480E+22	1,704744E+22	1,704741E+22	1,897449E+22	2,174702E+22
-1739	2,411529E+22	2,544440E+22	2,588527E+22	2,588546E+22	2,544485E+22	2,411588E+22	2,174772E+22	1,897494E+22	1,704748E+22	1,704724E+22	1,897432E+22	2,174706E+22
-1738	2,411577E+22	2,544558E+22	2,588658E+22	2,588628E+22	2,544514E+22	2,411559E+22	2,174704E+22	1,897432E+22	1,704719E+22	1,704740E+22	1,897497E+22	2,174798E+22
-1737	2,411620E+22	2,544513E+22	2,588574E+22	2,588551E+22	2,544472E+22	2,411557E+22	2,174709E+22	1,897420E+22	1,704694E+22	1,704705E+22	1,897427E+22	2,174688E+22
-1736	2,411498E+22	2,544417E+22	2,588558E+22	2,588601E+22	2,544528E+22	2,411605E+22	2,174756E+22	1,897457E+22	1,704713E+22	1,704708E+22	1,897448E+22	2,174762E+22
-1735	2,411644E+22	2,544564E+22	2,588627E+22	2,588626E+22	2,544540E+22	2,411588E+22	2,174718E+22	1,897422E+22	1,704696E+22	1,704718E+22	1,897473E+22	2,174761E+22
-1734	2,411588E+22	2,544490E+22	2,588539E+22	2,588528E+22	2,544483E+22	2,411598E+22	2,174771E+22	1,897480E+22	1,704730E+22	1,704707E+22	1,897417E+22	2,174686E+22
-1733	2,411515E+22	2,544467E+22	2,588605E+22	2,588604E+22	2,544512E+22	2,411600E+22	2,174780E+22	1,897518E+22	1,704795E+22	1,704782E+22	1,897492E+22	2,174784E+22
-1732	2,411644E+22	2,544550E+22	2,588621E+22	2,588598E+22	2,544488E+22	2,411562E+22	2,174749E+22	1,897507E+22	1,704810E+22	1,704819E+22	1,897509E+22	2,174719E+22
-1731	2,411511E+22	2,544418E+22	2,588519E+22	2,588556E+22	2,544499E+22	2,411597E+22	2,174792E+22	1,897554E+22	1,704852E+22	1,704841E+22	1,897520E+22	2,174733E+22
-1730	2,411538E+22	2,544493E+22	2,588620E+22	2,588617E+22	2,544520E+22	2,411587E+22	2,174766E+22	1,897538E+22	1,704863E+22	1,704885E+22	1,897606E+22	2,174864E+22
-1729	2,411652E+22	2,544513E+22	2,588563E+22	2,588541E+22	2,544460E+22	2,411565E+22	2,174771E+22	1,897547E+22	1,704870E+22	1,704882E+22	1,897555E+22	2,174751E+22
-1728	2,411523E+22	2,544417E+22	2,588528E+22	2,588552E+22	2,544482E+22	2,411597E+22	2,174821E+22	1,897606E+22	1,704912E+22	1,704892E+22	1,897557E+22	2,174785E+22
-1727	2,411627E+22	2,544571E+22	2,588654E+22	2,588626E+22	2,544509E+22	2,411568E+22	2,174764E+22	1,897559E+22	1,704898E+22	1,704913E+22	1,897601E+22	2,174812E+22
-1726	2,411594E+22	2,544501E+22	2,588581E+22	2,588560E+22	2,544472E+22	2,411572E+22	2,174785E+22	1,897576E+22	1,704897E+22	1,704885E+22	1,897537E+22	2,174724E+22
-1725	2,411490E+22	2,544413E+22	2,588576E+22	2,588614E+22	2,544524E+22	2,411603E+22	2,174799E+22	1,897583E+22	1,704906E+22	1,704902E+22	1,897578E+22	2,174812E+22
-1724	2,411641E+22	2,544537E+22	2,588608E+22	2,588609E+22	2,544514E+22	2,411587E+22	2,174772E+22	1,897537E+22	1,704854E+22	1,704874E+22	1,897569E+22	2,174772E+22
-1723	2,411543E+22	2,544429E+22	2,588504E+22	2,588525E+22	2,544485E+22	2,411610E+22	2,174814E+22	1,897565E+22	1,704845E+22	1,704821E+22	1,897501E+22	2,174726E+22
-1722	2,411531E+22	2,544479E+22	2,588604E+22	2,588589E+22	2,544490E+22	2,411582E+22	2,174777E+22	1,897536E+22	1,704829E+22	1,704824E+22	1,897537E+22	2,174823E+22
-1721	2,411661E+22	2,544545E+22	2,588601E+22	2,588565E+22	2,544455E+22	2,411542E+22	2,174735E+22	1,897494E+22	1,704799E+22	1,704809E+22	1,897493E+22	2,174702E+22
-1720	2,411504E+22	2,544414E+22	2,588520E+22	2,588554E+22	2,544486E+22	2,411580E+22	2,174768E+22	1,897514E+22	1,704797E+22	1,704785E+22	1,897480E+22	2,174723E+22
-1719	2,411571E+22	2,544535E+22	2,588637E+22	2,588630E+22	2,544534E+22	2,411577E+22	2,174718E+22	1,897453E+22	1,704756E+22	1,704783E+22	1,897530E+22	2,174806E+22
-1718	2,411610E+22	2,544501E+22	2,588575E+22	2,588557E+22	2,544480E+22	2,411575E+22	2,174743E+22	1,897466E+22	1,704743E+22	1,704742E+22	1,897455E+22	2,174714E+22
-1717	2,411509E+22	2,544396E+22	2,588526E+22	2,588572E+22	2,544507E+22	2,411600E+22	2,174778E+22	1,897510E+22	1,704782E+22	1,704767E+22	1,897476E+22	2,174764E+22
-1716	2,411650E+22	2,544573E+22	2,588623E+22	2,588598E+22	2,544499E+22	2,411576E+22	2,174755E+22	1,897493E+22	1,704780E+22	1,704790E+22	1,897505E+22	2,174746E+22
-1715	2,411557E+22	2,544473E+22	2,588544E+22	2,588531E+22	2,544462E+22	2,411581E+22	2,174789E+22	1,897543E+22	1,704825E+22	1,704802E+22	1,897476E+22	2,174687E+22
-1714	2,411483E+22	2,544442E+22	2,588600E+22	2,588604E+22	2,544497E+22	2,411573E+22	2,174771E+22	1,897551E+22	1,704868E+22	1,704867E+22	1,897560E+22	2,174812E+22
-1713	2,411637E+22	2,544529E+22	2,588607E+22	2,588594E+22	2,544485E+22	2,411555E+22	2,174742E+22	1,897525E+22	1,704872E+22	1,704905E+22	1,897582E+22	2,174757E+22
-1712	2,411510E+22	2,544387E+22	2,588481E+22	2,588524E+22	2,544478E+22	2,411595E+22	2,174810E+22	1,897594E+22	1,704911E+22	1,704905E+22	1,897570E+22	2,174768E+22
-1711	2,411565E+22	2,544500E+22	2,588600E+22	2,588597E+22	2,544508E+22	2,411584E+22	2,174785E+22	1,897583E+22	1,704922E+22	1,704934E+22	1,897628E+22	2,174863E+22
-1710	2,411653E+22	2,544535E+22	2,588594E+22	2,588553E+22	2,544447E+22	2,411554E+22	2,174789E+22	1,897601E+22	1,704940E+22	1,704935E+22	1,897580E+22	2,174757E+22
-1709	2,411512E+22	2,544399E+22	2,588528E+22	2,588561E+22	2,544475E+22	2,411579E+22	2,174822E+22	1,897647E+22	1,704985E+22	1,704966E+22	1,897599E+22	2,174784E+22
-1708	2,411609E+22	2,544558E+22	2,588651E+22	2,588629E+22	2,544507E+22	2,411574E+22	2,174790E+22	1,897604E+22	1,704960E+22	1,704980E+22	1,897647E+22	2,174816E+22
-1707	2,411561E+22	2,544461E+22	2,588558E+22	2,588556E+22	2,544476E+22	2,411590E+22	2,174817E+22	1,897620E+22	1,704955E+22	1,704946E+22	1,897585E+22	2,174742E+22
-1706	2,411481E+22	2,544391E+22	2,588548E+22	2,588589E+22	2,544504E+22	2,411597E+22	2,174815E+22	1,897618E+22	1,704952E+22	1,704946E+22	1,897611E+22	2,174833E+22
-1705	2,411655E+22	2,544544E+22	2,588594E+22	2,588583E+22	2,544487E+22	2,411571E+22	2,174772E+22	1,897565E+22	1,704909E+22	1,704931E+22	1,897600E+22	2,174776E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411536E+22	2,544421E+22	2,588488E+22	2,588494E+22	2,544444E+22	2,411584E+22	2,174820E+22	1,897606E+22	1,704908E+22	1,704880E+22	1,897534E+22	2,174731E+22
-1703	2,411528E+22	2,544478E+22	2,588604E+22	2,588596E+22	2,544481E+22	2,411557E+22	2,174769E+22	1,897563E+22	1,704884E+22	1,704880E+22	1,897570E+22	2,174819E+22
-1702	2,411637E+22	2,544535E+22	2,588616E+22	2,588590E+22	2,544463E+22	2,411533E+22	2,174732E+22	1,897517E+22	1,704845E+22	1,704857E+22	1,897537E+22	2,174734E+22
-1701	2,411499E+22	2,544377E+22	2,588488E+22	2,588543E+22	2,544484E+22	2,411578E+22	2,174770E+22	1,897533E+22	1,704838E+22	1,704835E+22	1,897523E+22	2,174749E+22
-1700	2,411584E+22	2,544532E+22	2,588617E+22	2,588604E+22	2,544510E+22	2,411584E+22	2,174757E+22	1,897499E+22	1,704801E+22	1,704823E+22	1,897552E+22	2,174808E+22
-1699	2,411602E+22	2,544497E+22	2,588569E+22	2,588545E+22	2,544463E+22	2,411578E+22	2,174778E+22	1,897527E+22	1,704813E+22	1,704798E+22	1,897479E+22	2,174705E+22
-1698	2,411498E+22	2,544404E+22	2,588534E+22	2,588563E+22	2,544477E+22	2,411574E+22	2,174785E+22	1,897560E+22	1,704858E+22	1,704836E+22	1,897509E+22	2,174755E+22
-1697	2,411626E+22	2,544566E+22	2,588633E+22	2,588613E+22	2,544495E+22	2,411556E+22	2,174745E+22	1,897528E+22	1,704864E+22	1,704885E+22	1,897564E+22	2,174750E+22
-1696	2,411521E+22	2,544430E+22	2,588517E+22	2,588526E+22	2,544462E+22	2,411580E+22	2,174800E+22	1,897587E+22	1,704902E+22	1,704891E+22	1,897548E+22	2,174722E+22
-1695	2,411479E+22	2,544412E+22	2,588565E+22	2,588594E+22	2,544500E+22	2,411579E+22	2,174789E+22	1,897590E+22	1,704928E+22	1,704934E+22	1,897615E+22	2,174841E+22
-1694	2,411639E+22	2,544521E+22	2,588599E+22	2,588589E+22	2,544478E+22	2,411559E+22	2,174771E+22	1,897578E+22	1,704934E+22	1,704957E+22	1,897628E+22	2,174801E+22
-1693	2,411534E+22	2,544383E+22	2,588457E+22	2,588494E+22	2,544449E+22	2,411580E+22	2,174824E+22	1,897643E+22	1,704983E+22	1,704970E+22	1,897608E+22	2,174781E+22
-1692	2,411579E+22	2,544522E+22	2,588611E+22	2,588578E+22	2,544468E+22	2,411569E+22	2,174814E+22	1,897642E+22	1,704998E+22	1,705002E+22	1,897659E+22	2,174851E+22
-1691	2,411624E+22	2,544525E+22	2,588612E+22	2,588577E+22	2,544447E+22	2,411545E+22	2,174803E+22	1,897653E+22	1,705021E+22	1,705015E+22	1,897628E+22	2,174755E+22
-1690	2,411485E+22	2,544381E+22	2,588520E+22	2,588565E+22	2,544473E+22	2,411566E+22	2,174816E+22	1,897672E+22	1,705043E+22	1,705032E+22	1,897649E+22	2,174799E+22
-1689	2,411591E+22	2,544532E+22	2,588628E+22	2,588622E+22	2,544509E+22	2,411577E+22	2,174791E+22	1,897625E+22	1,705012E+22	1,705042E+22	1,897693E+22	2,174836E+22
-1688	2,411552E+22	2,544427E+22	2,588514E+22	2,588520E+22	2,544454E+22	2,411591E+22	2,174843E+22	1,897665E+22	1,705008E+22	1,704995E+22	1,897620E+22	2,174763E+22
-1687	2,411495E+22	2,544389E+22	2,588521E+22	2,588559E+22	2,544476E+22	2,411581E+22	2,174829E+22	1,897661E+22	1,705004E+22	1,704986E+22	1,897626E+22	2,174827E+22
-1686	2,411645E+22	2,544556E+22	2,588615E+22	2,588588E+22	2,544467E+22	2,411549E+22	2,174778E+22	1,897606E+22	1,704966E+22	1,704976E+22	1,897629E+22	2,174790E+22
-1685	2,411526E+22	2,544407E+22	2,588482E+22	2,588494E+22	2,544430E+22	2,411555E+22	2,174804E+22	1,897627E+22	1,704963E+22	1,704944E+22	1,897576E+22	2,174740E+22
-1684	2,411519E+22	2,544475E+22	2,588604E+22	2,588593E+22	2,544474E+22	2,411556E+22	2,174781E+22	1,897588E+22	1,704927E+22	1,704931E+22	1,897610E+22	2,174829E+22
-1683	2,411615E+22	2,544511E+22	2,588608E+22	2,588600E+22	2,544474E+22	2,411547E+22	2,174756E+22	1,897553E+22	1,704893E+22	1,704905E+22	1,897572E+22	2,174749E+22
-1682	2,411499E+22	2,544372E+22	2,588470E+22	2,588529E+22	2,544474E+22	2,411575E+22	2,174786E+22	1,897571E+22	1,704886E+22	1,704877E+22	1,897547E+22	2,174759E+22
-1681	2,411586E+22	2,544539E+22	2,588613E+22	2,588593E+22	2,544498E+22	2,411580E+22	2,174768E+22	1,897543E+22	1,704873E+22	1,704887E+22	1,897580E+22	2,174800E+22
-1680	2,411579E+22	2,544481E+22	2,588556E+22	2,588527E+22	2,544438E+22	2,411566E+22	2,174801E+22	1,897587E+22	1,704898E+22	1,704879E+22	1,897526E+22	2,174709E+22
-1679	2,411477E+22	2,544382E+22	2,588520E+22	2,588568E+22	2,544473E+22	2,411557E+22	2,174790E+22	1,897606E+22	1,704936E+22	1,704918E+22	1,897565E+22	2,174766E+22
-1678	2,411597E+22	2,544539E+22	2,588625E+22	2,588621E+22	2,544501E+22	2,411555E+22	2,174752E+22	1,897566E+22	1,704930E+22	1,704957E+22	1,897635E+22	2,174804E+22
-1677	2,411523E+22	2,544391E+22	2,588469E+22	2,588493E+22	2,544443E+22	2,411570E+22	2,174806E+22	1,897620E+22	1,704964E+22	1,704963E+22	1,897609E+22	2,174767E+22
-1676	2,411510E+22	2,544425E+22	2,588548E+22	2,588554E+22	2,544459E+22	2,411571E+22	2,174821E+22	1,897642E+22	1,704988E+22	1,704988E+22	1,897650E+22	2,174857E+22
-1675	2,411646E+22	2,544534E+22	2,588606E+22	2,588579E+22	2,544452E+22	2,411545E+22	2,174793E+22	1,897638E+22	1,705010E+22	1,705019E+22	1,897654E+22	2,174795E+22
-1674	2,411531E+22	2,544406E+22	2,588479E+22	2,588498E+22	2,544426E+22	2,411551E+22	2,174824E+22	1,897686E+22	1,705055E+22	1,705037E+22	1,897639E+22	2,174772E+22
-1673	2,411556E+22	2,544522E+22	2,588633E+22	2,588606E+22	2,544478E+22	2,411556E+22	2,174803E+22	1,897672E+22	1,705072E+22	1,705082E+22	1,897703E+22	2,174845E+22
-1672	2,411581E+22	2,544481E+22	2,588587E+22	2,588575E+22	2,544459E+22	2,411560E+22	2,174824E+22	1,897695E+22	1,705087E+22	1,705088E+22	1,897682E+22	2,174775E+22
-1671	2,411470E+22	2,544344E+22	2,588483E+22	2,588558E+22	2,544483E+22	2,411579E+22	2,174842E+22	1,897714E+22	1,705098E+22	1,705086E+22	1,897687E+22	2,174816E+22
-1670	2,411580E+22	2,544511E+22	2,588608E+22	2,588609E+22	2,544502E+22	2,411582E+22	2,174819E+22	1,897676E+22	1,705068E+22	1,705085E+22	1,897728E+22	2,174869E+22
-1669	2,411562E+22	2,544414E+22	2,588480E+22	2,588476E+22	2,544415E+22	2,411567E+22	2,174851E+22	1,897710E+22	1,705076E+22	1,705057E+22	1,897654E+22	2,174775E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411503E+22	2,544407E+22	2,588530E+22	2,588532E+22	2,544426E+22	2,411551E+22	2,174841E+22	1,897703E+22	1,705067E+22	1,705047E+22	1,897660E+22	2,174823E+22
-1667	2,411618E+22	2,544543E+22	2,588628E+22	2,588605E+22	2,544462E+22	2,411528E+22	2,174773E+22	1,897637E+22	1,705028E+22	1,705044E+22	1,897674E+22	2,174798E+22
-1666	2,411513E+22	2,544399E+22	2,588477E+22	2,588497E+22	2,544432E+22	2,411542E+22	2,174788E+22	1,897632E+22	1,704999E+22	1,704994E+22	1,897620E+22	2,174764E+22
-1665	2,411519E+22	2,544464E+22	2,588593E+22	2,588591E+22	2,544482E+22	2,411561E+22	2,174778E+22	1,897600E+22	1,704965E+22	1,704975E+22	1,897638E+22	2,174843E+22
-1664	2,411613E+22	2,544492E+22	2,588579E+22	2,588576E+22	2,544467E+22	2,411558E+22	2,174787E+22	1,897600E+22	1,704944E+22	1,704946E+22	1,897594E+22	2,174759E+22
-1663	2,411505E+22	2,544372E+22	2,588459E+22	2,588518E+22	2,544461E+22	2,411568E+22	2,174808E+22	1,897624E+22	1,704950E+22	1,704925E+22	1,897562E+22	2,174745E+22
-1662	2,411556E+22	2,544531E+22	2,588629E+22	2,588606E+22	2,544493E+22	2,411571E+22	2,174786E+22	1,897600E+22	1,704947E+22	1,704951E+22	1,897620E+22	2,174813E+22
-1661	2,411556E+22	2,544449E+22	2,588534E+22	2,588517E+22	2,544427E+22	2,411550E+22	2,174802E+22	1,897629E+22	1,704978E+22	1,704967E+22	1,897590E+22	2,174732E+22
-1660	2,411467E+22	2,544367E+22	2,588500E+22	2,588538E+22	2,544450E+22	2,411558E+22	2,174814E+22	1,897647E+22	1,705001E+22	1,704992E+22	1,897624E+22	2,174794E+22
-1659	2,411586E+22	2,544513E+22	2,588607E+22	2,588611E+22	2,544494E+22	2,411557E+22	2,174776E+22	1,897615E+22	1,704999E+22	1,705027E+22	1,897684E+22	2,174834E+22
-1658	2,411546E+22	2,544404E+22	2,588454E+22	2,588465E+22	2,544414E+22	2,411547E+22	2,174808E+22	1,897657E+22	1,705025E+22	1,705021E+22	1,897643E+22	2,174783E+22
-1657	2,411524E+22	2,544446E+22	2,588559E+22	2,588545E+22	2,544439E+22	2,411549E+22	2,174816E+22	1,897683E+22	1,705066E+22	1,705058E+22	1,897678E+22	2,174850E+22
-1656	2,411626E+22	2,544528E+22	2,588614E+22	2,588584E+22	2,544441E+22	2,411531E+22	2,174809E+22	1,897694E+22	1,705094E+22	1,705099E+22	1,897698E+22	2,174795E+22
-1655	2,411504E+22	2,544381E+22	2,588480E+22	2,588522E+22	2,544438E+22	2,411542E+22	2,174828E+22	1,897729E+22	1,705128E+22	1,705112E+22	1,897687E+22	2,174775E+22
-1654	2,411514E+22	2,544480E+22	2,588623E+22	2,588621E+22	2,544500E+22	2,411574E+22	2,174824E+22	1,897712E+22	1,705131E+22	1,705146E+22	1,897761E+22	2,174883E+22
-1653	2,411573E+22	2,544436E+22	2,588533E+22	2,588536E+22	2,544443E+22	2,411563E+22	2,174844E+22	1,897735E+22	1,705148E+22	1,705153E+22	1,897732E+22	2,174806E+22
-1652	2,411487E+22	2,544345E+22	2,588455E+22	2,588500E+22	2,544436E+22	2,411575E+22	2,174876E+22	1,897766E+22	1,705156E+22	1,705136E+22	1,897716E+22	2,174825E+22
-1651	2,411578E+22	2,544511E+22	2,588607E+22	2,588590E+22	2,544471E+22	2,411562E+22	2,174833E+22	1,897728E+22	1,705139E+22	1,705145E+22	1,897752E+22	2,174867E+22
-1650	2,411565E+22	2,544430E+22	2,588493E+22	2,588472E+22	2,544385E+22	2,411525E+22	2,174831E+22	1,897732E+22	1,705132E+22	1,705117E+22	1,897689E+22	2,174779E+22
-1649	2,411493E+22	2,544408E+22	2,588548E+22	2,588554E+22	2,544433E+22	2,411530E+22	2,174813E+22	1,897713E+22	1,705119E+22	1,705109E+22	1,897700E+22	2,174830E+22
-1648	2,411594E+22	2,544512E+22	2,588614E+22	2,588607E+22	2,544475E+22	2,411541E+22	2,174787E+22	1,897662E+22	1,705070E+22	1,705094E+22	1,897716E+22	2,174820E+22
-1647	2,411510E+22	2,544375E+22	2,588461E+22	2,588501E+22	2,544444E+22	2,411557E+22	2,174811E+22	1,897664E+22	1,705036E+22	1,705028E+22	1,897641E+22	2,174774E+22
-1646	2,411513E+22	2,544453E+22	2,588585E+22	2,588587E+22	2,544488E+22	2,411580E+22	2,174812E+22	1,897649E+22	1,705013E+22	1,705010E+22	1,897658E+22	2,174855E+22
-1645	2,411611E+22	2,544478E+22	2,588553E+22	2,588538E+22	2,544438E+22	2,411549E+22	2,174808E+22	1,897654E+22	1,705020E+22	1,705013E+22	1,897625E+22	2,174758E+22
-1644	2,411499E+22	2,544379E+22	2,588464E+22	2,588490E+22	2,544421E+22	2,411551E+22	2,174831E+22	1,897680E+22	1,705031E+22	1,705003E+22	1,897607E+22	2,174744E+22
-1643	2,411522E+22	2,544496E+22	2,588622E+22	2,588609E+22	2,544486E+22	2,411554E+22	2,174789E+22	1,897645E+22	1,705028E+22	1,705037E+22	1,897677E+22	2,174830E+22
-1642	2,411548E+22	2,544427E+22	2,588509E+22	2,588497E+22	2,544410E+22	2,411529E+22	2,174789E+22	1,897648E+22	1,705034E+22	1,705041E+22	1,897652E+22	2,174771E+22
-1641	2,411480E+22	2,544362E+22	2,588490E+22	2,588523E+22	2,544434E+22	2,411540E+22	2,174804E+22	1,897671E+22	1,705058E+22	1,705053E+22	1,897667E+22	2,174819E+22
-1640	2,411595E+22	2,544507E+22	2,588590E+22	2,588582E+22	2,544469E+22	2,411549E+22	2,174798E+22	1,897665E+22	1,705064E+22	1,705085E+22	1,897717E+22	2,174846E+22
-1639	2,411554E+22	2,544414E+22	2,588471E+22	2,588473E+22	2,544402E+22	2,411532E+22	2,174819E+22	1,897705E+22	1,705095E+22	1,705081E+22	1,897665E+22	2,174771E+22
-1638	2,411500E+22	2,544444E+22	2,588587E+22	2,588577E+22	2,544452E+22	2,411549E+22	2,174830E+22	1,897731E+22	1,705137E+22	1,705126E+22	1,897719E+22	2,174854E+22
-1637	2,411596E+22	2,544490E+22	2,588594E+22	2,588583E+22	2,544450E+22	2,411536E+22	2,174820E+22	1,897738E+22	1,705173E+22	1,705186E+22	1,897757E+22	2,174812E+22
-1636	2,411487E+22	2,544357E+22	2,588460E+22	2,588496E+22	2,544429E+22	2,411563E+22	2,174868E+22	1,897779E+22	1,705195E+22	1,705184E+22	1,897742E+22	2,174798E+22
-1635	2,411494E+22	2,544434E+22	2,588591E+22	2,588605E+22	2,544495E+22	2,411586E+22	2,174861E+22	1,897773E+22	1,705204E+22	1,705213E+22	1,897802E+22	2,174903E+22
-1634	2,411589E+22	2,544436E+22	2,588504E+22	2,588494E+22	2,544406E+22	2,411543E+22	2,174853E+22	1,897778E+22	1,705212E+22	1,705215E+22	1,897771E+22	2,174825E+22
-1633	2,411502E+22	2,544364E+22	2,588462E+22	2,588477E+22	2,544398E+22	2,411540E+22	2,174865E+22	1,897802E+22	1,705228E+22	1,705202E+22	1,897747E+22	2,174824E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411566E+22	2,544504E+22	2,588612E+22	2,588585E+22	2,544449E+22	2,411538E+22	2,174833E+22	1,897766E+22	1,705205E+22	1,705215E+22	1,897797E+22	2,174876E+22
-1631	2,411552E+22	2,544413E+22	2,588502E+22	2,588498E+22	2,544394E+22	2,411509E+22	2,174816E+22	1,897747E+22	1,705177E+22	1,705171E+22	1,897729E+22	2,174790E+22
-1630	2,411475E+22	2,544384E+22	2,588547E+22	2,588573E+22	2,544458E+22	2,411549E+22	2,174824E+22	1,897729E+22	1,705145E+22	1,705145E+22	1,897739E+22	2,174861E+22
-1629	2,411598E+22	2,544484E+22	2,588577E+22	2,588578E+22	2,544467E+22	2,411552E+22	2,174810E+22	1,897695E+22	1,705112E+22	1,705135E+22	1,897744E+22	2,174836E+22
-1628	2,411525E+22	2,544385E+22	2,588449E+22	2,588454E+22	2,544408E+22	2,411564E+22	2,174851E+22	1,897716E+22	1,705089E+22	1,705067E+22	1,897654E+22	2,174763E+22
-1627	2,411493E+22	2,544438E+22	2,588588E+22	2,588581E+22	2,544470E+22	2,411571E+22	2,174837E+22	1,897709E+22	1,705091E+22	1,705074E+22	1,897677E+22	2,174836E+22
-1626	2,411596E+22	2,544477E+22	2,588555E+22	2,588530E+22	2,544411E+22	2,411516E+22	2,174796E+22	1,897685E+22	1,705089E+22	1,705090E+22	1,897672E+22	2,174761E+22
-1625	2,411479E+22	2,544361E+22	2,588463E+22	2,588491E+22	2,544413E+22	2,411528E+22	2,174810E+22	1,897702E+22	1,705100E+22	1,705082E+22	1,897662E+22	2,174761E+22
-1624	2,411503E+22	2,544457E+22	2,588594E+22	2,588593E+22	2,544481E+22	2,411557E+22	2,174804E+22	1,897681E+22	1,705088E+22	1,705108E+22	1,897737E+22	2,174868E+22
-1623	2,411558E+22	2,544406E+22	2,588493E+22	2,588494E+22	2,544403E+22	2,411522E+22	2,174800E+22	1,897683E+22	1,705086E+22	1,705093E+22	1,897691E+22	2,174793E+22
-1622	2,411490E+22	2,544363E+22	2,588493E+22	2,588521E+22	2,544432E+22	2,411546E+22	2,174826E+22	1,897715E+22	1,705112E+22	1,705104E+22	1,897702E+22	2,174835E+22
-1621	2,411599E+22	2,544506E+22	2,588583E+22	2,588559E+22	2,544442E+22	2,411537E+22	2,174815E+22	1,897719E+22	1,705145E+22	1,705162E+22	1,897757E+22	2,174845E+22
-1620	2,411543E+22	2,544419E+22	2,588488E+22	2,588464E+22	2,544382E+22	2,411529E+22	2,174844E+22	1,897760E+22	1,705178E+22	1,705162E+22	1,897713E+22	2,174769E+22
-1619	2,411460E+22	2,544399E+22	2,588579E+22	2,588593E+22	2,544468E+22	2,411558E+22	2,174849E+22	1,897784E+22	1,705222E+22	1,705215E+22	1,897773E+22	2,174864E+22
-1618	2,411585E+22	2,544462E+22	2,588559E+22	2,588558E+22	2,544439E+22	2,411534E+22	2,174828E+22	1,897771E+22	1,705236E+22	1,705261E+22	1,897817E+22	2,174846E+22
-1617	2,411497E+22	2,544345E+22	2,588437E+22	2,588466E+22	2,544403E+22	2,411549E+22	2,174876E+22	1,897822E+22	1,705263E+22	1,705247E+22	1,897782E+22	2,174819E+22
-1616	2,411502E+22	2,544422E+22	2,588565E+22	2,588565E+22	2,544457E+22	2,411573E+22	2,174885E+22	1,897830E+22	1,705276E+22	1,705275E+22	1,897838E+22	2,174914E+22
-1615	2,411594E+22	2,544440E+22	2,588520E+22	2,588497E+22	2,544377E+22	2,411511E+22	2,174851E+22	1,897817E+22	1,705276E+22	1,705274E+22	1,897800E+22	2,174821E+22
-1614	2,411489E+22	2,544366E+22	2,588490E+22	2,588508E+22	2,544405E+22	2,411528E+22	2,174861E+22	1,897825E+22	1,705275E+22	1,705260E+22	1,897792E+22	2,174834E+22
-1613	2,411548E+22	2,544478E+22	2,588596E+22	2,588581E+22	2,544451E+22	2,411537E+22	2,174834E+22	1,897788E+22	1,705256E+22	1,705278E+22	1,897845E+22	2,174894E+22
-1612	2,411547E+22	2,544404E+22	2,588497E+22	2,588483E+22	2,544392E+22	2,411533E+22	2,174846E+22	1,897778E+22	1,705217E+22	1,705214E+22	1,897761E+22	2,174802E+22
-1611	2,411464E+22	2,544353E+22	2,588527E+22	2,588569E+22	2,544463E+22	2,411565E+22	2,174858E+22	1,897778E+22	1,705200E+22	1,705187E+22	1,897752E+22	2,174856E+22
-1610	2,411606E+22	2,544485E+22	2,588553E+22	2,588545E+22	2,544439E+22	2,411541E+22	2,174823E+22	1,897735E+22	1,705169E+22	1,705185E+22	1,897766E+22	2,174834E+22
-1609	2,411522E+22	2,544392E+22	2,588461E+22	2,588443E+22	2,544374E+22	2,411531E+22	2,174848E+22	1,897761E+22	1,705164E+22	1,705133E+22	1,897685E+22	2,174754E+22
-1608	2,411463E+22	2,544405E+22	2,588575E+22	2,588572E+22	2,544448E+22	2,411551E+22	2,174843E+22	1,897754E+22	1,705167E+22	1,705156E+22	1,897735E+22	2,174847E+22
-1607	2,411571E+22	2,544439E+22	2,588546E+22	2,588542E+22	2,544411E+22	2,411501E+22	2,174786E+22	1,897705E+22	1,705143E+22	1,705159E+22	1,897732E+22	2,174790E+22
-1606	2,411473E+22	2,544337E+22	2,588448E+22	2,588491E+22	2,544420E+22	2,411536E+22	2,174816E+22	1,897718E+22	1,705132E+22	1,705134E+22	1,897719E+22	2,174803E+22
-1605	2,411522E+22	2,544442E+22	2,588556E+22	2,588552E+22	2,544453E+22	2,411552E+22	2,174821E+22	1,897718E+22	1,705141E+22	1,705162E+22	1,897777E+22	2,174893E+22
-1604	2,411585E+22	2,544432E+22	2,588497E+22	2,588461E+22	2,544370E+22	2,411521E+22	2,174828E+22	1,897734E+22	1,705148E+22	1,705143E+22	1,897712E+22	2,174789E+22
-1603	2,411478E+22	2,544361E+22	2,588512E+22	2,588535E+22	2,544425E+22	2,411540E+22	2,174850E+22	1,897778E+22	1,705197E+22	1,705175E+22	1,897723E+22	2,174815E+22
-1602	2,411584E+22	2,544503E+22	2,588589E+22	2,588566E+22	2,544435E+22	2,411523E+22	2,174817E+22	1,897760E+22	1,705222E+22	1,705245E+22	1,897809E+22	2,174849E+22
-1601	2,411519E+22	2,544399E+22	2,588489E+22	2,588473E+22	2,544384E+22	2,411523E+22	2,174849E+22	1,897805E+22	1,705258E+22	1,705246E+22	1,897770E+22	2,174782E+22
-1600	2,411434E+22	2,544350E+22	2,588540E+22	2,588574E+22	2,544465E+22	2,411575E+22	2,174887E+22	1,897842E+22	1,705299E+22	1,705294E+22	1,897835E+22	2,174893E+22
-1599	2,411583E+22	2,544434E+22	2,588537E+22	2,588546E+22	2,544423E+22	2,411528E+22	2,174849E+22	1,897820E+22	1,705303E+22	1,705323E+22	1,897861E+22	2,174868E+22
-1598	2,411506E+22	2,544345E+22	2,588431E+22	2,588451E+22	2,544385E+22	2,411543E+22	2,174893E+22	1,897867E+22	1,705324E+22	1,705308E+22	1,897826E+22	2,174836E+22
-1597	2,411507E+22	2,544424E+22	2,588557E+22	2,588537E+22	2,544413E+22	2,411542E+22	2,174890E+22	1,897878E+22	1,705354E+22	1,705352E+22	1,897885E+22	2,174923E+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°
-1596	2,411591E+22	2,544448E+22	2,588534E+22	2,588491E+22	2,544356E+22	2,411494E+22	2,174852E+22	1,897850E+22	1,705337E+22	1,705340E+22	1,897846E+22	2,174827E+22
-1595	2,411460E+22	2,544332E+22	2,588487E+22	2,588530E+22	2,544423E+22	2,411534E+22	2,174867E+22	1,897853E+22	1,705329E+22	1,705319E+22	1,897829E+22	2,174846E+22
-1594	2,411549E+22	2,544464E+22	2,588571E+22	2,588564E+22	2,544444E+22	2,411537E+22	2,174838E+22	1,897802E+22	1,705289E+22	1,705321E+22	1,897882E+22	2,174915E+22
-1593	2,411555E+22	2,544401E+22	2,588485E+22	2,588465E+22	2,544372E+22	2,411522E+22	2,174857E+22	1,897814E+22	1,705265E+22	1,705249E+22	1,897776E+22	2,174802E+22
-1592	2,411459E+22	2,544338E+22	2,588505E+22	2,588543E+22	2,544440E+22	2,411563E+22	2,174886E+22	1,897833E+22	1,705264E+22	1,705238E+22	1,897774E+22	2,174846E+22
-1591	2,411585E+22	2,544473E+22	2,588564E+22	2,588554E+22	2,544419E+22	2,411515E+22	2,174824E+22	1,897773E+22	1,705230E+22	1,705241E+22	1,897794E+22	2,174825E+22
-1590	2,411497E+22	2,544375E+22	2,588466E+22	2,588463E+22	2,544380E+22	2,411524E+22	2,174848E+22	1,897785E+22	1,705213E+22	1,705198E+22	1,897741E+22	2,174771E+22
-1589	2,411445E+22	2,544372E+22	2,588540E+22	2,588550E+22	2,544433E+22	2,411545E+22	2,174849E+22	1,897784E+22	1,705224E+22	1,705227E+22	1,897797E+22	2,174880E+22
-1588	2,411575E+22	2,544429E+22	2,588525E+22	2,588512E+22	2,544394E+22	2,411512E+22	2,174811E+22	1,897740E+22	1,705190E+22	1,705210E+22	1,897777E+22	2,174818E+22
-1587	2,411479E+22	2,544322E+22	2,588432E+22	2,588484E+22	2,544417E+22	2,411542E+22	2,174844E+22	1,897769E+22	1,705194E+22	1,705184E+22	1,897740E+22	2,174810E+22
-1586	2,411545E+22	2,544462E+22	2,588548E+22	2,588524E+22	2,544420E+22	2,411533E+22	2,174829E+22	1,897760E+22	1,705207E+22	1,705222E+22	1,897807E+22	2,174894E+22
-1585	2,411585E+22	2,544451E+22	2,588526E+22	2,588470E+22	2,544343E+22	2,411488E+22	2,174830E+22	1,897789E+22	1,705234E+22	1,705218E+22	1,897748E+22	2,174779E+22
-1584	2,411446E+22	2,544332E+22	2,588506E+22	2,588545E+22	2,544424E+22	2,411533E+22	2,174867E+22	1,897837E+22	1,705287E+22	1,705267E+22	1,897784E+22	2,174820E+22
-1583	2,411543E+22	2,544458E+22	2,588580E+22	2,588585E+22	2,544444E+22	2,411523E+22	2,174826E+22	1,897799E+22	1,705292E+22	1,705323E+22	1,897870E+22	2,174875E+22
-1582	2,411509E+22	2,544369E+22	2,588466E+22	2,588469E+22	2,544389E+22	2,411538E+22	2,174876E+22	1,897843E+22	1,705312E+22	1,705314E+22	1,897835E+22	2,174820E+22
-1581	2,411444E+22	2,544327E+22	2,588488E+22	2,588519E+22	2,544423E+22	2,411564E+22	2,174914E+22	1,897899E+22	1,705373E+22	1,705364E+22	1,897885E+22	2,174917E+22
-1580	2,411598E+22	2,544451E+22	2,588531E+22	2,588507E+22	2,544383E+22	2,411517E+22	2,174870E+22	1,897874E+22	1,705376E+22	1,705387E+22	1,897895E+22	2,174872E+22
-1579	2,411497E+22	2,544345E+22	2,588446E+22	2,588462E+22	2,544371E+22	2,411521E+22	2,174897E+22	1,897914E+22	1,705401E+22	1,705377E+22	1,897854E+22	2,174830E+22
-1578	2,411502E+22	2,544423E+22	2,588556E+22	2,588539E+22	2,544401E+22	2,411515E+22	2,174873E+22	1,897897E+22	1,705410E+22	1,705421E+22	1,897935E+22	2,174937E+22
-1577	2,411578E+22	2,544439E+22	2,588542E+22	2,588508E+22	2,544361E+22	2,411483E+22	2,174849E+22	1,897876E+22	1,705388E+22	1,705393E+22	1,897886E+22	2,174842E+22
-1576	2,411444E+22	2,544296E+22	2,588458E+22	2,588522E+22	2,544428E+22	2,411552E+22	2,174899E+22	1,897897E+22	1,705379E+22	1,705367E+22	1,897865E+22	2,174859E+22
-1575	2,411538E+22	2,544443E+22	2,588559E+22	2,588560E+22	2,544438E+22	2,411541E+22	2,174861E+22	1,897843E+22	1,705335E+22	1,705356E+22	1,897899E+22	2,174917E+22
-1574	2,411554E+22	2,544403E+22	2,588483E+22	2,588457E+22	2,544362E+22	2,411524E+22	2,174880E+22	1,897854E+22	1,705314E+22	1,705298E+22	1,897805E+22	2,174799E+22
-1573	2,411444E+22	2,544325E+22	2,588482E+22	2,588512E+22	2,544400E+22	2,411539E+22	2,174898E+22	1,897882E+22	1,705338E+22	1,705311E+22	1,897819E+22	2,174850E+22
-1572	2,411565E+22	2,544460E+22	2,588554E+22	2,588543E+22	2,544406E+22	2,411504E+22	2,174824E+22	1,897806E+22	1,705292E+22	1,705310E+22	1,897846E+22	2,174843E+22
-1571	2,411474E+22	2,544340E+22	2,588446E+22	2,588467E+22	2,544388E+22	2,411523E+22	2,174852E+22	1,897814E+22	1,705269E+22	1,705259E+22	1,897785E+22	2,174800E+22
-1570	2,411463E+22	2,544366E+22	2,588509E+22	2,588517E+22	2,544406E+22	2,411529E+22	2,174849E+22	1,897804E+22	1,705264E+22	1,705276E+22	1,897842E+22	2,174914E+22
-1569	2,411600E+22	2,544448E+22	2,588527E+22	2,588496E+22	2,544361E+22	2,411484E+22	2,174818E+22	1,897784E+22	1,705246E+22	1,705252E+22	1,897797E+22	2,174822E+22
-1568	2,411479E+22	2,544327E+22	2,588434E+22	2,588477E+22	2,544397E+22	2,411534E+22	2,174869E+22	1,897827E+22	1,705269E+22	1,705246E+22	1,897767E+22	2,174799E+22
-1567	2,411518E+22	2,544459E+22	2,588578E+22	2,588554E+22	2,544416E+22	2,411516E+22	2,174834E+22	1,897804E+22	1,705278E+22	1,705289E+22	1,897840E+22	2,174884E+22
-1566	2,411553E+22	2,544432E+22	2,588534E+22	2,588502E+22	2,544370E+22	2,411499E+22	2,174843E+22	1,897824E+22	1,705298E+22	1,705298E+22	1,897811E+22	2,174792E+22
-1565	2,411418E+22	2,544290E+22	2,588464E+22	2,588524E+22	2,544421E+22	2,411545E+22	2,174895E+22	1,897890E+22	1,705367E+22	1,705354E+22	1,897855E+22	2,174854E+22
-1564	2,411534E+22	2,544431E+22	2,588543E+22	2,588551E+22	2,544432E+22	2,411537E+22	2,174859E+22	1,897855E+22	1,705363E+22	1,705392E+22	1,897922E+22	2,174904E+22
-1563	2,411508E+22	2,544345E+22	2,588435E+22	2,588448E+22	2,544374E+22	2,411537E+22	2,174905E+22	1,897908E+22	1,705395E+22	1,705382E+22	1,897868E+22	2,174837E+22
-1562	2,411468E+22	2,544344E+22	2,588474E+22	2,588477E+22	2,544370E+22	2,411527E+22	2,174914E+22	1,897943E+22	1,705447E+22	1,705439E+22	1,897931E+22	2,174931E+22
-1561	2,411598E+22	2,544469E+22	2,588554E+22	2,588507E+22	2,544343E+22	2,411466E+22	2,174860E+22	1,897920E+22	1,705453E+22	1,705460E+22	1,897938E+22	2,174876E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1560	2,411474E+22	2,544324E+22	2,588443E+22	2,588474E+22	2,544375E+22	2,411512E+22	2,174898E+22	1,897950E+22	1,705468E+22	1,705453E+22	1,897909E+22	2,174844E+22
-1559	2,411476E+22	2,544396E+22	2,588556E+22	2,588557E+22	2,544414E+22	2,411515E+22	2,174871E+22	1,897912E+22	1,705450E+22	1,705469E+22	1,897974E+22	2,174959E+22
-1558	2,411578E+22	2,544423E+22	2,588527E+22	2,588512E+22	2,544376E+22	2,411503E+22	2,174872E+22	1,897898E+22	1,705417E+22	1,705431E+22	1,897919E+22	2,174859E+22
-1557	2,411449E+22	2,544285E+22	2,588420E+22	2,588480E+22	2,544399E+22	2,411549E+22	2,174930E+22	1,897951E+22	1,705439E+22	1,705414E+22	1,897888E+22	2,174861E+22
-1556	2,411530E+22	2,544448E+22	2,588552E+22	2,588533E+22	2,544412E+22	2,411537E+22	2,174884E+22	1,897896E+22	1,705400E+22	1,705406E+22	1,897916E+22	2,174903E+22
-1555	2,411525E+22	2,544387E+22	2,588487E+22	2,588468E+22	2,544358E+22	2,411512E+22	2,174891E+22	1,897903E+22	1,705388E+22	1,705364E+22	1,897832E+22	2,174796E+22
-1554	2,411433E+22	2,544313E+22	2,588463E+22	2,588494E+22	2,544381E+22	2,411513E+22	2,174884E+22	1,897902E+22	1,705395E+22	1,705382E+22	1,897876E+22	2,174875E+22
-1553	2,411555E+22	2,544449E+22	2,588549E+22	2,588537E+22	2,544391E+22	2,411484E+22	2,174824E+22	1,897837E+22	1,705344E+22	1,705365E+22	1,897892E+22	2,174872E+22
-1552	2,411474E+22	2,544317E+22	2,588419E+22	2,588453E+22	2,544382E+22	2,411527E+22	2,174872E+22	1,897854E+22	1,705323E+22	1,705312E+22	1,897824E+22	2,174821E+22
-1551	2,411464E+22	2,544365E+22	2,588512E+22	2,588516E+22	2,544395E+22	2,411517E+22	2,174856E+22	1,897838E+22	1,705314E+22	1,705317E+22	1,897863E+22	2,174922E+22
-1550	2,411607E+22	2,544466E+22	2,588546E+22	2,588507E+22	2,544360E+22	2,411483E+22	2,174834E+22	1,897820E+22	1,705302E+22	1,705312E+22	1,897831E+22	2,174820E+22
-1549	2,411460E+22	2,544317E+22	2,588426E+22	2,588466E+22	2,544375E+22	2,411517E+22	2,174884E+22	1,897884E+22	1,705354E+22	1,705330E+22	1,897819E+22	2,174801E+22
-1548	2,411481E+22	2,544430E+22	2,588565E+22	2,588556E+22	2,544427E+22	2,411525E+22	2,174848E+22	1,897850E+22	1,705356E+22	1,705370E+22	1,897896E+22	2,174899E+22
-1547	2,411523E+22	2,544387E+22	2,588504E+22	2,588500E+22	2,544385E+22	2,411515E+22	2,174867E+22	1,897872E+22	1,705373E+22	1,705374E+22	1,897860E+22	2,174822E+22
-1546	2,411431E+22	2,544271E+22	2,588412E+22	2,588469E+22	2,544383E+22	2,411531E+22	2,174908E+22	1,897932E+22	1,705432E+22	1,705423E+22	1,897911E+22	2,174892E+22
-1545	2,411554E+22	2,544440E+22	2,588531E+22	2,588518E+22	2,544385E+22	2,411501E+22	2,174872E+22	1,897915E+22	1,705439E+22	1,705452E+22	1,897955E+22	2,174919E+22
-1544	2,411511E+22	2,544348E+22	2,588434E+22	2,588432E+22	2,544342E+22	2,411511E+22	2,174916E+22	1,897965E+22	1,705478E+22	1,705458E+22	1,897908E+22	2,174838E+22
-1543	2,411447E+22	2,544345E+22	2,588506E+22	2,588501E+22	2,544359E+22	2,411494E+22	2,174900E+22	1,897973E+22	1,705512E+22	1,705507E+22	1,897972E+22	2,174936E+22
-1542	2,411583E+22	2,544462E+22	2,588570E+22	2,588538E+22	2,544368E+22	2,411473E+22	2,174860E+22	1,897936E+22	1,705500E+22	1,705527E+22	1,897992E+22	2,174890E+22
-1541	2,411455E+22	2,544297E+22	2,588417E+22	2,588460E+22	2,544376E+22	2,411525E+22	2,174925E+22	1,897991E+22	1,705527E+22	1,705515E+22	1,897957E+22	2,174867E+22
-1540	2,411467E+22	2,544375E+22	2,588530E+22	2,588541E+22	2,544422E+22	2,411541E+22	2,174906E+22	1,897960E+22	1,705504E+22	1,705512E+22	1,897996E+22	2,174966E+22
-1539	2,411572E+22	2,544406E+22	2,588505E+22	2,588498E+22	2,544377E+22	2,411517E+22	2,174907E+22	1,897959E+22	1,705487E+22	1,705480E+22	1,897930E+22	2,174856E+22
-1538	2,411456E+22	2,544292E+22	2,588402E+22	2,588437E+22	2,544353E+22	2,411521E+22	2,174937E+22	1,897997E+22	1,705510E+22	1,705481E+22	1,897926E+22	2,174865E+22
-1537	2,411513E+22	2,544442E+22	2,588563E+22	2,588530E+22	2,544376E+22	2,411490E+22	2,174878E+22	1,897942E+22	1,705473E+22	1,705475E+22	1,897958E+22	2,174909E+22
-1536	2,411495E+22	2,544350E+22	2,588470E+22	2,588468E+22	2,544356E+22	2,411500E+22	2,174887E+22	1,897933E+22	1,705452E+22	1,705440E+22	1,897894E+22	2,174822E+22
-1535	2,411415E+22	2,544289E+22	2,588459E+22	2,588493E+22	2,544376E+22	2,411501E+22	2,174873E+22	1,897909E+22	1,705427E+22	1,705429E+22	1,897922E+22	2,174912E+22
-1534	2,411573E+22	2,544446E+22	2,588537E+22	2,588528E+22	2,544390E+22	2,411489E+22	2,174833E+22	1,897849E+22	1,705370E+22	1,705404E+22	1,897926E+22	2,174893E+22
-1533	2,411490E+22	2,544325E+22	2,588403E+22	2,588419E+22	2,544354E+22	2,411518E+22	2,174893E+22	1,897900E+22	1,705381E+22	1,705360E+22	1,897848E+22	2,174826E+22
-1532	2,411463E+22	2,544376E+22	2,588520E+22	2,588511E+22	2,544388E+22	2,411513E+22	2,174869E+22	1,897884E+22	1,705379E+22	1,705368E+22	1,897875E+22	2,174904E+22
-1531	2,411575E+22	2,544446E+22	2,588553E+22	2,588531E+22	2,544378E+22	2,411486E+22	2,174849E+22	1,897872E+22	1,705380E+22	1,705380E+22	1,897860E+22	2,174816E+22
-1530	2,411442E+22	2,544294E+22	2,588405E+22	2,588450E+22	2,544367E+22	2,411509E+22	2,174890E+22	1,897921E+22	1,705426E+22	1,705413E+22	1,897883E+22	2,174827E+22
-1529	2,411461E+22	2,544398E+22	2,588545E+22	2,588539E+22	2,544408E+22	2,411515E+22	2,174871E+22	1,897907E+22	1,705428E+22	1,705441E+22	1,897948E+22	2,174926E+22
-1528	2,411516E+22	2,544353E+22	2,588464E+22	2,588470E+22	2,544370E+22	2,411519E+22	2,174899E+22	1,897935E+22	1,705454E+22	1,705452E+22	1,897914E+22	2,174847E+22
-1527	2,411433E+22	2,544274E+22	2,588410E+22	2,588443E+22	2,544348E+22	2,411506E+22	2,174913E+22	1,897976E+22	1,705502E+22	1,705488E+22	1,897947E+22	2,174908E+22
-1526	2,411566E+22	2,544457E+22	2,588549E+22	2,588515E+22	2,544362E+22	2,411480E+22	2,174875E+22	1,897950E+22	1,705508E+22	1,705530E+22	1,898002E+22	2,174923E+22
-1525	2,411500E+22	2,544344E+22	2,588439E+22	2,588429E+22	2,544320E+22	2,411483E+22	2,174916E+22	1,898012E+22	1,705561E+22	1,705545E+22	1,897966E+22	2,174852E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411426E+22	2,544324E+22	2,588500E+22	2,588515E+22	2,544381E+22	2,411501E+22	2,174901E+22	1,898003E+22	1,705574E+22	1,705574E+22	1,898018E+22	2,174951E+22
-1523	2,411564E+22	2,544429E+22	2,588553E+22	2,588547E+22	2,544395E+22	2,411500E+22	2,174888E+22	1,897977E+22	1,705557E+22	1,705581E+22	1,898024E+22	2,174912E+22
-1522	2,411469E+22	2,544286E+22	2,588384E+22	2,588418E+22	2,544349E+22	2,411523E+22	2,174947E+22	1,898033E+22	1,705582E+22	1,705569E+22	1,897994E+22	2,174884E+22
-1521	2,411469E+22	2,544375E+22	2,588527E+22	2,588516E+22	2,544383E+22	2,411519E+22	2,174931E+22	1,898024E+22	1,705573E+22	1,705563E+22	1,898012E+22	2,174958E+22
-1520	2,411555E+22	2,544393E+22	2,588502E+22	2,588488E+22	2,544357E+22	2,411503E+22	2,174922E+22	1,898013E+22	1,705567E+22	1,705554E+22	1,897966E+22	2,174848E+22
-1519	2,411423E+22	2,544277E+22	2,588417E+22	2,588444E+22	2,544340E+22	2,411493E+22	2,174921E+22	1,898018E+22	1,705566E+22	1,705546E+22	1,897972E+22	2,174879E+22
-1518	2,411502E+22	2,544424E+22	2,588561E+22	2,588539E+22	2,544389E+22	2,411492E+22	2,174872E+22	1,897947E+22	1,705511E+22	1,705539E+22	1,898015E+22	2,174938E+22
-1517	2,411493E+22	2,544324E+22	2,588440E+22	2,588440E+22	2,544338E+22	2,411497E+22	2,174900E+22	1,897963E+22	1,705498E+22	1,705494E+22	1,897942E+22	2,174856E+22
-1516	2,411425E+22	2,544277E+22	2,588437E+22	2,588478E+22	2,544378E+22	2,411511E+22	2,174889E+22	1,897940E+22	1,705468E+22	1,705463E+22	1,897939E+22	2,174921E+22
-1515	2,411581E+22	2,544450E+22	2,588536E+22	2,588521E+22	2,544389E+22	2,411497E+22	2,174858E+22	1,897897E+22	1,705429E+22	1,705444E+22	1,897931E+22	2,174887E+22
-1514	2,411497E+22	2,544337E+22	2,588405E+22	2,588391E+22	2,544316E+22	2,411493E+22	2,174898E+22	1,897942E+22	1,705449E+22	1,705427E+22	1,897882E+22	2,174821E+22
-1513	2,411437E+22	2,544362E+22	2,588534E+22	2,588521E+22	2,544370E+22	2,411487E+22	2,174877E+22	1,897938E+22	1,705456E+22	1,705442E+22	1,897915E+22	2,174900E+22
-1512	2,411538E+22	2,544400E+22	2,588530E+22	2,588531E+22	2,544388E+22	2,411493E+22	2,174863E+22	1,897916E+22	1,705458E+22	1,705467E+22	1,897922E+22	2,174837E+22
-1511	2,411419E+22	2,544262E+22	2,588389E+22	2,588430E+22	2,544353E+22	2,411504E+22	2,174897E+22	1,897952E+22	1,705481E+22	1,705478E+22	1,897938E+22	2,174865E+22
-1510	2,411478E+22	2,544387E+22	2,588525E+22	2,588513E+22	2,544390E+22	2,411513E+22	2,174888E+22	1,897941E+22	1,705485E+22	1,705507E+22	1,897995E+22	2,174947E+22
-1509	2,411528E+22	2,544355E+22	2,588448E+22	2,588429E+22	2,544323E+22	2,411494E+22	2,174917E+22	1,897995E+22	1,705537E+22	1,705527E+22	1,897958E+22	2,174860E+22
-1508	2,411433E+22	2,544281E+22	2,588422E+22	2,588445E+22	2,544338E+22	2,411488E+22	2,174914E+22	1,898020E+22	1,705578E+22	1,705560E+22	1,897981E+22	2,174904E+22
-1507	2,411546E+22	2,544445E+22	2,588564E+22	2,588542E+22	2,544381E+22	2,411481E+22	2,174882E+22	1,897994E+22	1,705585E+22	1,705604E+22	1,898043E+22	2,174932E+22
-1506	2,411492E+22	2,544329E+22	2,588429E+22	2,588420E+22	2,544317E+22	2,411482E+22	2,174922E+22	1,898043E+22	1,705625E+22	1,705622E+22	1,898028E+22	2,174880E+22
-1505	2,411416E+22	2,544299E+22	2,588491E+22	2,588512E+22	2,544373E+22	2,411503E+22	2,174933E+22	1,898058E+22	1,705636E+22	1,705631E+22	1,898055E+22	2,174965E+22
-1504	2,411556E+22	2,544398E+22	2,588521E+22	2,588529E+22	2,544395E+22	2,411518E+22	2,174928E+22	1,898040E+22	1,705632E+22	1,705646E+22	1,898062E+22	2,174920E+22
-1503	2,411461E+22	2,544286E+22	2,588386E+22	2,588394E+22	2,544319E+22	2,411509E+22	2,174960E+22	1,898079E+22	1,705647E+22	1,705628E+22	1,898025E+22	2,174891E+22
-1502	2,411466E+22	2,544370E+22	2,588531E+22	2,588506E+22	2,544359E+22	2,411501E+22	2,174935E+22	1,898056E+22	1,705637E+22	1,705637E+22	1,898056E+22	2,174955E+22
-1501	2,411531E+22	2,544369E+22	2,588488E+22	2,588473E+22	2,544331E+22	2,411476E+22	2,174920E+22	1,898051E+22	1,705638E+22	1,705635E+22	1,898029E+22	2,174871E+22
-1500	2,411411E+22	2,544249E+22	2,588395E+22	2,588441E+22	2,544348E+22	2,411489E+22	2,174909E+22	1,898029E+22	1,705607E+22	1,705599E+22	1,898015E+22	2,174904E+22
-1499	2,411504E+22	2,544400E+22	2,588536E+22	2,588528E+22	2,544394E+22	2,411503E+22	2,174886E+22	1,897971E+22	1,705547E+22	1,705572E+22	1,898039E+22	2,174965E+22
-1498	2,411524E+22	2,544332E+22	2,588421E+22	2,588400E+22	2,544302E+22	2,411480E+22	2,174907E+22	1,897990E+22	1,705536E+22	1,705530E+22	1,897966E+22	2,174870E+22
-1497	2,411438E+22	2,544293E+22	2,588453E+22	2,588466E+22	2,544339E+22	2,411485E+22	2,174907E+22	1,897993E+22	1,705523E+22	1,705500E+22	1,897942E+22	2,174899E+22
-1496	2,411560E+22	2,544441E+22	2,588548E+22	2,588531E+22	2,544386E+22	2,411493E+22	2,174875E+22	1,897948E+22	1,705504E+22	1,705513E+22	1,897960E+22	2,174866E+22
-1495	2,411456E+22	2,544323E+22	2,588426E+22	2,588407E+22	2,544315E+22	2,411481E+22	2,174895E+22	1,897971E+22	1,705510E+22	1,705497E+22	1,897929E+22	2,174829E+22
-1494	2,411414E+22	2,544327E+22	2,588521E+22	2,588525E+22	2,544384E+22	2,411502E+22	2,174889E+22	1,897963E+22	1,705515E+22	1,705521E+22	1,897975E+22	2,174917E+22
-1493	2,411521E+22	2,544359E+22	2,588490E+22	2,588499E+22	2,544370E+22	2,411497E+22	2,174893E+22	1,897971E+22	1,705532E+22	1,705545E+22	1,897985E+22	2,174873E+22
-1492	2,411428E+22	2,544241E+22	2,588355E+22	2,588406E+22	2,544344E+22	2,411503E+22	2,174915E+22	1,898002E+22	1,705551E+22	1,705541E+22	1,897974E+22	2,174883E+22
-1491	2,411491E+22	2,544390E+22	2,588518E+22	2,588495E+22	2,544371E+22	2,411508E+22	2,174911E+22	1,898001E+22	1,705566E+22	1,705574E+22	1,898028E+22	2,174959E+22
-1490	2,411541E+22	2,544367E+22	2,588455E+22	2,588408E+22	2,544277E+22	2,411455E+22	2,174913E+22	1,898039E+22	1,705618E+22	1,705615E+22	1,898018E+22	2,174873E+22
-1489	2,411419E+22	2,544272E+22	2,588441E+22	2,588462E+22	2,544323E+22	2,411462E+22	2,174918E+22	1,898067E+22	1,705653E+22	1,705639E+22	1,898034E+22	2,174914E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411522E+22	2,544410E+22	2,588548E+22	2,588550E+22	2,544401E+22	2,411499E+22	2,174900E+22	1,898034E+22	1,705656E+22	1,705685E+22	1,898103E+22	2,174952E+22
-1487	2,411478E+22	2,544310E+22	2,588420E+22	2,588408E+22	2,544311E+22	2,411488E+22	2,174939E+22	1,898075E+22	1,705674E+22	1,705676E+22	1,898070E+22	2,174908E+22
-1486	2,411432E+22	2,544292E+22	2,588474E+22	2,588495E+22	2,544364E+22	2,411512E+22	2,174958E+22	1,898099E+22	1,705695E+22	1,705690E+22	1,898085E+22	2,174964E+22
-1485	2,411552E+22	2,544393E+22	2,588505E+22	2,588494E+22	2,544353E+22	2,411499E+22	2,174951E+22	1,898102E+22	1,705711E+22	1,705714E+22	1,898097E+22	2,174920E+22
-1484	2,411445E+22	2,544272E+22	2,588383E+22	2,588396E+22	2,544309E+22	2,411490E+22	2,174960E+22	1,898118E+22	1,705715E+22	1,705692E+22	1,898058E+22	2,174886E+22
-1483	2,411445E+22	2,544349E+22	2,588526E+22	2,588517E+22	2,544365E+22	2,411499E+22	2,174940E+22	1,898089E+22	1,705697E+22	1,705697E+22	1,898098E+22	2,174972E+22
-1482	2,411528E+22	2,544350E+22	2,588465E+22	2,588447E+22	2,544307E+22	2,411461E+22	2,174917E+22	1,898068E+22	1,705682E+22	1,705695E+22	1,898086E+22	2,174906E+22
-1481	2,411417E+22	2,544236E+22	2,588385E+22	2,588431E+22	2,544326E+22	2,411480E+22	2,174929E+22	1,898065E+22	1,705645E+22	1,705635E+22	1,898039E+22	2,174917E+22
-1480	2,411512E+22	2,544392E+22	2,588517E+22	2,588514E+22	2,544388E+22	2,411510E+22	2,174909E+22	1,898014E+22	1,705602E+22	1,705618E+22	1,898060E+22	2,174960E+22
-1479	2,411519E+22	2,544350E+22	2,588442E+22	2,588392E+22	2,544275E+22	2,411462E+22	2,174912E+22	1,898022E+22	1,705586E+22	1,705574E+22	1,897985E+22	2,174864E+22
-1478	2,411430E+22	2,544293E+22	2,588471E+22	2,588481E+22	2,544333E+22	2,411473E+22	2,174910E+22	1,898023E+22	1,705586E+22	1,705570E+22	1,897977E+22	2,174881E+22
-1477	2,411517E+22	2,544405E+22	2,588534E+22	2,588532E+22	2,544380E+22	2,411484E+22	2,174885E+22	1,897993E+22	1,705580E+22	1,705595E+22	1,898021E+22	2,174883E+22
-1476	2,411431E+22	2,544276E+22	2,588391E+22	2,588408E+22	2,544333E+22	2,411493E+22	2,174905E+22	1,898001E+22	1,705568E+22	1,705564E+22	1,897983E+22	2,174857E+22
-1475	2,411414E+22	2,544294E+22	2,588479E+22	2,588500E+22	2,544379E+22	2,411518E+22	2,174922E+22	1,898010E+22	1,705575E+22	1,705576E+22	1,898018E+22	2,174951E+22
-1474	2,411546E+22	2,544359E+22	2,588458E+22	2,588445E+22	2,544318E+22	2,411473E+22	2,174906E+22	1,898019E+22	1,705601E+22	1,705612E+22	1,898036E+22	2,174901E+22
-1473	2,411445E+22	2,544258E+22	2,588367E+22	2,588390E+22	2,544294E+22	2,411468E+22	2,174929E+22	1,898059E+22	1,705626E+22	1,705605E+22	1,898004E+22	2,174879E+22
-1472	2,411480E+22	2,544386E+22	2,588528E+22	2,588508E+22	2,544363E+22	2,411492E+22	2,174918E+22	1,898050E+22	1,705651E+22	1,705660E+22	1,898078E+22	2,174956E+22
-1471	2,411516E+22	2,544367E+22	2,588481E+22	2,588429E+22	2,544279E+22	2,411442E+22	2,174907E+22	1,898064E+22	1,705679E+22	1,705688E+22	1,898075E+22	2,174896E+22
-1470	2,411411E+22	2,544253E+22	2,588437E+22	2,588472E+22	2,544337E+22	2,411478E+22	2,174933E+22	1,898095E+22	1,705711E+22	1,705711E+22	1,898085E+22	2,174925E+22
-1469	2,411503E+22	2,544377E+22	2,588517E+22	2,588529E+22	2,544391E+22	2,411513E+22	2,174942E+22	1,898097E+22	1,705729E+22	1,705754E+22	1,898151E+22	2,174975E+22
-1468	2,411481E+22	2,544291E+22	2,588391E+22	2,588393E+22	2,544309E+22	2,411494E+22	2,174966E+22	1,898131E+22	1,705745E+22	1,705733E+22	1,898095E+22	2,174908E+22
-1467	2,411430E+22	2,544285E+22	2,588458E+22	2,588472E+22	2,544342E+22	2,411510E+22	2,174988E+22	1,898162E+22	1,705774E+22	1,705752E+22	1,898114E+22	2,174964E+22
-1466	2,411540E+22	2,544385E+22	2,588498E+22	2,588471E+22	2,544307E+22	2,411457E+22	2,174946E+22	1,898145E+22	1,705789E+22	1,705798E+22	1,898158E+22	2,174937E+22
-1465	2,411428E+22	2,544253E+22	2,588382E+22	2,588397E+22	2,544284E+22	2,411457E+22	2,174956E+22	1,898151E+22	1,705775E+22	1,705759E+22	1,898108E+22	2,174903E+22
-1464	2,411429E+22	2,544318E+22	2,588500E+22	2,588510E+22	2,544366E+22	2,411501E+22	2,174946E+22	1,898113E+22	1,705747E+22	1,705760E+22	1,898151E+22	2,174996E+22
-1463	2,411530E+22	2,544352E+22	2,588462E+22	2,588431E+22	2,544287E+22	2,411449E+22	2,174917E+22	1,898081E+22	1,705709E+22	1,705727E+22	1,898115E+22	2,174931E+22
-1462	2,411439E+22	2,544250E+22	2,588387E+22	2,588423E+22	2,544314E+22	2,411476E+22	2,174936E+22	1,898088E+22	1,705686E+22	1,705674E+22	1,898051E+22	2,174904E+22
-1461	2,411500E+22	2,544395E+22	2,588521E+22	2,588505E+22	2,544366E+22	2,411499E+22	2,174929E+22	1,898065E+22	1,705667E+22	1,705672E+22	1,898084E+22	2,174949E+22
-1460	2,411494E+22	2,544332E+22	2,588445E+22	2,588420E+22	2,544293E+22	2,411458E+22	2,174917E+22	1,898057E+22	1,705646E+22	1,705631E+22	1,898012E+22	2,174853E+22
-1459	2,411399E+22	2,544262E+22	2,588453E+22	2,588493E+22	2,544355E+22	2,411492E+22	2,174933E+22	1,898065E+22	1,705648E+22	1,705632E+22	1,898025E+22	2,174899E+22
-1458	2,411498E+22	2,544369E+22	2,588497E+22	2,588502E+22	2,544359E+22	2,411480E+22	2,174902E+22	1,898033E+22	1,705641E+22	1,705667E+22	1,898088E+22	2,174923E+22
-1457	2,411434E+22	2,544253E+22	2,588365E+22	2,588383E+22	2,544299E+22	2,411483E+22	2,174937E+22	1,898057E+22	1,705631E+22	1,705622E+22	1,898025E+22	2,174881E+22
-1456	2,411425E+22	2,544290E+22	2,588452E+22	2,588469E+22	2,544353E+22	2,411512E+22	2,174947E+22	1,898069E+22	1,705654E+22	1,705648E+22	1,898061E+22	2,174959E+22
-1455	2,411549E+22	2,544386E+22	2,588475E+22	2,588424E+22	2,544272E+22	2,411437E+22	2,174904E+22	1,898057E+22	1,705668E+22	1,705680E+22	1,898078E+22	2,174913E+22
-1454	2,411447E+22	2,544270E+22	2,588392E+22	2,588410E+22	2,544285E+22	2,411443E+22	2,174917E+22	1,898088E+22	1,705700E+22	1,705689E+22	1,898052E+22	2,174877E+22
-1453	2,411452E+22	2,544363E+22	2,588522E+22	2,588516E+22	2,544363E+22	2,411483E+22	2,174923E+22	1,898091E+22	1,705726E+22	1,705743E+22	1,898141E+22	2,174980E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411498E+22	2,544326E+22	2,588455E+22	2,588443E+22	2,544305E+22	2,411457E+22	2,174921E+22	1,898097E+22	1,705735E+22	1,705748E+22	1,898117E+22	2,174916E+22
-1451	2,411412E+22	2,544232E+22	2,588407E+22	2,588458E+22	2,544341E+22	2,411503E+22	2,174977E+22	1,898154E+22	1,705774E+22	1,705761E+22	1,898119E+22	2,174942E+22
-1450	2,411504E+22	2,544370E+22	2,588491E+22	2,588484E+22	2,544343E+22	2,411492E+22	2,174966E+22	1,898159E+22	1,705808E+22	1,705822E+22	1,898192E+22	2,174985E+22
-1449	2,411476E+22	2,544292E+22	2,588396E+22	2,588378E+22	2,544264E+22	2,411466E+22	2,174989E+22	1,898195E+22	1,705827E+22	1,705804E+22	1,898127E+22	2,174900E+22
-1448	2,411405E+22	2,544267E+22	2,588449E+22	2,588473E+22	2,544332E+22	2,411493E+22	2,174992E+22	1,898209E+22	1,705858E+22	1,705841E+22	1,898169E+22	2,174964E+22
-1447	2,411513E+22	2,544377E+22	2,588499E+22	2,588469E+22	2,544297E+22	2,411438E+22	2,174932E+22	1,898159E+22	1,705837E+22	1,705862E+22	1,898216E+22	2,174972E+22
-1446	2,411430E+22	2,544241E+22	2,588374E+22	2,588401E+22	2,544288E+22	2,411457E+22	2,174952E+22	1,898163E+22	1,705816E+22	1,705814E+22	1,898150E+22	2,174924E+22
-1445	2,411428E+22	2,544300E+22	2,588476E+22	2,588491E+22	2,544354E+22	2,411500E+22	2,174967E+22	1,898154E+22	1,705797E+22	1,705805E+22	1,898185E+22	2,175019E+22
-1444	2,411540E+22	2,544347E+22	2,588449E+22	2,588434E+22	2,544293E+22	2,411452E+22	2,174932E+22	1,898117E+22	1,705755E+22	1,705761E+22	1,898124E+22	2,174925E+22
-1443	2,411438E+22	2,544259E+22	2,588391E+22	2,588422E+22	2,544307E+22	2,411480E+22	2,174965E+22	1,898139E+22	1,705746E+22	1,705718E+22	1,898070E+22	2,174894E+22
-1442	2,411469E+22	2,544379E+22	2,588517E+22	2,588497E+22	2,544341E+22	2,411474E+22	2,174932E+22	1,898108E+22	1,705738E+22	1,705745E+22	1,898134E+22	2,174959E+22
-1441	2,411467E+22	2,544303E+22	2,588432E+22	2,588419E+22	2,544283E+22	2,411451E+22	2,174931E+22	1,898097E+22	1,705708E+22	1,705698E+22	1,898060E+22	2,174871E+22
-1440	2,411382E+22	2,544221E+22	2,588405E+22	2,588468E+22	2,544353E+22	2,411503E+22	2,174955E+22	1,898107E+22	1,705712E+22	1,705702E+22	1,898080E+22	2,174925E+22
-1439	2,411502E+22	2,544369E+22	2,588477E+22	2,588466E+22	2,544322E+22	2,411461E+22	2,174909E+22	1,898064E+22	1,705688E+22	1,705716E+22	1,898130E+22	2,174961E+22
-1438	2,411463E+22	2,544273E+22	2,588365E+22	2,588362E+22	2,544264E+22	2,411454E+22	2,174932E+22	1,898091E+22	1,705694E+22	1,705681E+22	1,898051E+22	2,174878E+22
-1437	2,411417E+22	2,544298E+22	2,588463E+22	2,588460E+22	2,544319E+22	2,411479E+22	2,174951E+22	1,898120E+22	1,705733E+22	1,705722E+22	1,898103E+22	2,174963E+22
-1436	2,411531E+22	2,544376E+22	2,588489E+22	2,588463E+22	2,544290E+22	2,411422E+22	2,174896E+22	1,898087E+22	1,705733E+22	1,705748E+22	1,898116E+22	2,174912E+22
-1435	2,411424E+22	2,544252E+22	2,588387E+22	2,588427E+22	2,544310E+22	2,411464E+22	2,174941E+22	1,898131E+22	1,705763E+22	1,705753E+22	1,898102E+22	2,174896E+22
-1434	2,411429E+22	2,544329E+22	2,588495E+22	2,588500E+22	2,544355E+22	2,411489E+22	2,174949E+22	1,898142E+22	1,705797E+22	1,705815E+22	1,898198E+22	2,175011E+22
-1433	2,411498E+22	2,544305E+22	2,588430E+22	2,588424E+22	2,544288E+22	2,411463E+22	2,174965E+22	1,898165E+22	1,705811E+22	1,705811E+22	1,898152E+22	2,174927E+22
-1432	2,411408E+22	2,544220E+22	2,588374E+22	2,588426E+22	2,544322E+22	2,411506E+22	2,175014E+22	1,898226E+22	1,705868E+22	1,705844E+22	1,898162E+22	2,174940E+22
-1431	2,411488E+22	2,544379E+22	2,588498E+22	2,588462E+22	2,544299E+22	2,411457E+22	2,174967E+22	1,898205E+22	1,705885E+22	1,705900E+22	1,898243E+22	2,175001E+22
-1430	2,411466E+22	2,544286E+22	2,588404E+22	2,588386E+22	2,544248E+22	2,411432E+22	2,174969E+22	1,898224E+22	1,705904E+22	1,705892E+22	1,898184E+22	2,174911E+22
-1429	2,411379E+22	2,544237E+22	2,588431E+22	2,588465E+22	2,544325E+22	2,411479E+22	2,174989E+22	1,898239E+22	1,705922E+22	1,705918E+22	1,898236E+22	2,175005E+22
-1428	2,411512E+22	2,544346E+22	2,588473E+22	2,588472E+22	2,544311E+22	2,411443E+22	2,174935E+22	1,898175E+22	1,705872E+22	1,705904E+22	1,898249E+22	2,175000E+22
-1427	2,411451E+22	2,544245E+22	2,588359E+22	2,588387E+22	2,544287E+22	2,411473E+22	2,174983E+22	1,898202E+22	1,705853E+22	1,705838E+22	1,898167E+22	2,174939E+22
-1426	2,411436E+22	2,544309E+22	2,588471E+22	2,588464E+22	2,544318E+22	2,411480E+22	2,174981E+22	1,898199E+22	1,705853E+22	1,705847E+22	1,898202E+22	2,175018E+22
-1425	2,411532E+22	2,544350E+22	2,588465E+22	2,588437E+22	2,544273E+22	2,411438E+22	2,174953E+22	1,898168E+22	1,705819E+22	1,705812E+22	1,898138E+22	2,174905E+22
-1424	2,411406E+22	2,544239E+22	2,588385E+22	2,588430E+22	2,544317E+22	2,411483E+22	2,174980E+22	1,898185E+22	1,705820E+22	1,705795E+22	1,898115E+22	2,174886E+22
-1423	2,411430E+22	2,544356E+22	2,588505E+22	2,588485E+22	2,544332E+22	2,411466E+22	2,174933E+22	1,898130E+22	1,705787E+22	1,705807E+22	1,898186E+22	2,174988E+22
-1422	2,411461E+22	2,544280E+22	2,588411E+22	2,588406E+22	2,544278E+22	2,411448E+22	2,174935E+22	1,898126E+22	1,705766E+22	1,705761E+22	1,898104E+22	2,174893E+22
-1421	2,411382E+22	2,544203E+22	2,588372E+22	2,588431E+22	2,544323E+22	2,411489E+22	2,174972E+22	1,898156E+22	1,705778E+22	1,705763E+22	1,898124E+22	2,174953E+22
-1420	2,411513E+22	2,544363E+22	2,588461E+22	2,588454E+22	2,544307E+22	2,411443E+22	2,174914E+22	1,898103E+22	1,705749E+22	1,705767E+22	1,898152E+22	2,174965E+22
-1419	2,411467E+22	2,544289E+22	2,588381E+22	2,588366E+22	2,544252E+22	2,411441E+22	2,174944E+22	1,898137E+22	1,705761E+22	1,705742E+22	1,898089E+22	2,174883E+22
-1418	2,411393E+22	2,544284E+22	2,588469E+22	2,588464E+22	2,544301E+22	2,411448E+22	2,174942E+22	1,898157E+22	1,705807E+22	1,705804E+22	1,898162E+22	2,174983E+22
-1417	2,411512E+22	2,544349E+22	2,588481E+22	2,588470E+22	2,544297E+22	2,411430E+22	2,174915E+22	1,898126E+22	1,705798E+22	1,705819E+22	1,898166E+22	2,174931E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411410E+22	2,544221E+22	2,588353E+22	2,588411E+22	2,544318E+22	2,411488E+22	2,174978E+22	1,898185E+22	1,705837E+22	1,705829E+22	1,898153E+22	2,174911E+22
-1415	2,411423E+22	2,544323E+22	2,588474E+22	2,588464E+22	2,544326E+22	2,411481E+22	2,174972E+22	1,898193E+22	1,705863E+22	1,705876E+22	1,898236E+22	2,175032E+22
-1414	2,411508E+22	2,544314E+22	2,588428E+22	2,588405E+22	2,544260E+22	2,411442E+22	2,174972E+22	1,898220E+22	1,705899E+22	1,705888E+22	1,898185E+22	2,174921E+22
-1413	2,411389E+22	2,544210E+22	2,588370E+22	2,588409E+22	2,544291E+22	2,411478E+22	2,175022E+22	1,898285E+22	1,705960E+22	1,705934E+22	1,898218E+22	2,174955E+22
-1412	2,411468E+22	2,544349E+22	2,588492E+22	2,588482E+22	2,544309E+22	2,411442E+22	2,174960E+22	1,898235E+22	1,705951E+22	1,705973E+22	1,898292E+22	2,175020E+22
-1411	2,411459E+22	2,544271E+22	2,588397E+22	2,588389E+22	2,544258E+22	2,411444E+22	2,174985E+22	1,898255E+22	1,705953E+22	1,705949E+22	1,898238E+22	2,174944E+22
-1410	2,411374E+22	2,544216E+22	2,588412E+22	2,588445E+22	2,544305E+22	2,411470E+22	2,175001E+22	1,898274E+22	1,705974E+22	1,705973E+22	1,898283E+22	2,175040E+22
-1409	2,411530E+22	2,544346E+22	2,588461E+22	2,588453E+22	2,544297E+22	2,411449E+22	2,174967E+22	1,898222E+22	1,705925E+22	1,705945E+22	1,898264E+22	2,174999E+22
-1408	2,411453E+22	2,544251E+22	2,588350E+22	2,588366E+22	2,544276E+22	2,411478E+22	2,175012E+22	1,898259E+22	1,705925E+22	1,705898E+22	1,898186E+22	2,174918E+22
-1407	2,411414E+22	2,544319E+22	2,588489E+22	2,588459E+22	2,544291E+22	2,411454E+22	2,174982E+22	1,898236E+22	1,705915E+22	1,705907E+22	1,898232E+22	2,175016E+22
-1406	2,411510E+22	2,544335E+22	2,588472E+22	2,588452E+22	2,544272E+22	2,411415E+22	2,174935E+22	1,898194E+22	1,705887E+22	1,705884E+22	1,898180E+22	2,174904E+22
-1405	2,411368E+22	2,544193E+22	2,588352E+22	2,588411E+22	2,544312E+22	2,411480E+22	2,174986E+22	1,898217E+22	1,705880E+22	1,705866E+22	1,898177E+22	2,174923E+22
-1404	2,411423E+22	2,544309E+22	2,588468E+22	2,588475E+22	2,544333E+22	2,411468E+22	2,174941E+22	1,898153E+22	1,705826E+22	1,705851E+22	1,898221E+22	2,175015E+22
-1403	2,411481E+22	2,544282E+22	2,588392E+22	2,588376E+22	2,544257E+22	2,411448E+22	2,174958E+22	1,898167E+22	1,705811E+22	1,705800E+22	1,898134E+22	2,174912E+22
-1402	2,411388E+22	2,544211E+22	2,588372E+22	2,588401E+22	2,544277E+22	2,411453E+22	2,174971E+22	1,898198E+22	1,705845E+22	1,705824E+22	1,898157E+22	2,174964E+22
-1401	2,411515E+22	2,544370E+22	2,588481E+22	2,588457E+22	2,544288E+22	2,411425E+22	2,174921E+22	1,898143E+22	1,705817E+22	1,705832E+22	1,898181E+22	2,174956E+22
-1400	2,411445E+22	2,544275E+22	2,588383E+22	2,588381E+22	2,544270E+22	2,411448E+22	2,174956E+22	1,898179E+22	1,705836E+22	1,705823E+22	1,898138E+22	2,174883E+22
-1399	2,411366E+22	2,544268E+22	2,588464E+22	2,588463E+22	2,544303E+22	2,411452E+22	2,174953E+22	1,898188E+22	1,705863E+22	1,705869E+22	1,898213E+22	2,175011E+22
-1398	2,411510E+22	2,544327E+22	2,588467E+22	2,588466E+22	2,544301E+22	2,411436E+22	2,174933E+22	1,898175E+22	1,705872E+22	1,705888E+22	1,898207E+22	2,174944E+22
-1397	2,411402E+22	2,544199E+22	2,588322E+22	2,588375E+22	2,544298E+22	2,411491E+22	2,175015E+22	1,898256E+22	1,705925E+22	1,705907E+22	1,898203E+22	2,174933E+22
-1396	2,411420E+22	2,544302E+22	2,588458E+22	2,588450E+22	2,544308E+22	2,411471E+22	2,174991E+22	1,898250E+22	1,705946E+22	1,705950E+22	1,898270E+22	2,175033E+22
-1395	2,411502E+22	2,544316E+22	2,588436E+22	2,588400E+22	2,544240E+22	2,411427E+22	2,174988E+22	1,898276E+22	1,705980E+22	1,705971E+22	1,898243E+22	2,174937E+22
-1394	2,411366E+22	2,544186E+22	2,588363E+22	2,588400E+22	2,544265E+22	2,411442E+22	2,175009E+22	1,898322E+22	1,706039E+22	1,706024E+22	1,898289E+22	2,174991E+22
-1393	2,411466E+22	2,544323E+22	2,588475E+22	2,588470E+22	2,544303E+22	2,411445E+22	2,174972E+22	1,898264E+22	1,706007E+22	1,706038E+22	1,898342E+22	2,175048E+22
-1392	2,411467E+22	2,544259E+22	2,588377E+22	2,588373E+22	2,544257E+22	2,411457E+22	2,175010E+22	1,898296E+22	1,706009E+22	1,706006E+22	1,898275E+22	2,174959E+22
-1391	2,411387E+22	2,544232E+22	2,588409E+22	2,588417E+22	2,544272E+22	2,411453E+22	2,175010E+22	1,898306E+22	1,706018E+22	1,706010E+22	1,898299E+22	2,175044E+22
-1390	2,411538E+22	2,544362E+22	2,588480E+22	2,588454E+22	2,544281E+22	2,411428E+22	2,174966E+22	1,898263E+22	1,705994E+22	1,705998E+22	1,898275E+22	2,174974E+22
-1389	2,411421E+22	2,544238E+22	2,588359E+22	2,588369E+22	2,544266E+22	2,411465E+22	2,175020E+22	1,898303E+22	1,705997E+22	1,705969E+22	1,898225E+22	2,174915E+22
-1388	2,411374E+22	2,544266E+22	2,588474E+22	2,588479E+22	2,544310E+22	2,411456E+22	2,174982E+22	1,898260E+22	1,705966E+22	1,705965E+22	1,898268E+22	2,175019E+22
-1387	2,411489E+22	2,544303E+22	2,588452E+22	2,588447E+22	2,544283E+22	2,411435E+22	2,174959E+22	1,898225E+22	1,705929E+22	1,705937E+22	1,898233E+22	2,174936E+22
-1386	2,411360E+22	2,544159E+22	2,588316E+22	2,588374E+22	2,544279E+22	2,411465E+22	2,174997E+22	1,898254E+22	1,705934E+22	1,705922E+22	1,898225E+22	2,174962E+22
-1385	2,411448E+22	2,544304E+22	2,588442E+22	2,588434E+22	2,544303E+22	2,411466E+22	2,174965E+22	1,898196E+22	1,705882E+22	1,705899E+22	1,898245E+22	2,175023E+22
-1384	2,411494E+22	2,544295E+22	2,588393E+22	2,588354E+22	2,544230E+22	2,411437E+22	2,174974E+22	1,898215E+22	1,705883E+22	1,705868E+22	1,898165E+22	2,174903E+22
-1383	2,411379E+22	2,544225E+22	2,588396E+22	2,588401E+22	2,544247E+22	2,411417E+22	2,174958E+22	1,898224E+22	1,705904E+22	1,705890E+22	1,898198E+22	2,174971E+22
-1382	2,411502E+22	2,544361E+22	2,588495E+22	2,588479E+22	2,544299E+22	2,411409E+22	2,174904E+22	1,898171E+22	1,705887E+22	1,705907E+22	1,898227E+22	2,174961E+22
-1381	2,411418E+22	2,544239E+22	2,588362E+22	2,588372E+22	2,544277E+22	2,411462E+22	2,174976E+22	1,898220E+22	1,705903E+22	1,705898E+22	1,898197E+22	2,174915E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1380	2,411360E+22	2,544223E+22	2,588432E+22	2,588457E+22	2,544309E+22	2,411467E+22	2,174982E+22	1,898233E+22	1,705921E+22	1,705922E+22	1,898244E+22	2,175024E+22
-1379	2,411519E+22	2,544328E+22	2,588455E+22	2,588442E+22	2,544283E+22	2,411444E+22	2,174973E+22	1,898239E+22	1,705942E+22	1,705948E+22	1,898246E+22	2,174955E+22
-1378	2,411392E+22	2,544191E+22	2,588319E+22	2,588346E+22	2,544247E+22	2,411457E+22	2,175026E+22	1,898320E+22	1,706020E+22	1,705995E+22	1,898253E+22	2,174946E+22
-1377	2,411415E+22	2,544292E+22	2,588459E+22	2,588441E+22	2,544286E+22	2,411457E+22	2,175003E+22	1,898301E+22	1,706032E+22	1,706038E+22	1,898321E+22	2,175035E+22
-1376	2,411483E+22	2,544296E+22	2,588427E+22	2,588399E+22	2,544243E+22	2,411427E+22	2,174998E+22	1,898319E+22	1,706061E+22	1,706062E+22	1,898306E+22	2,174952E+22
-1375	2,411357E+22	2,544176E+22	2,588356E+22	2,588391E+22	2,544253E+22	2,411432E+22	2,175009E+22	1,898344E+22	1,706090E+22	1,706087E+22	1,898345E+22	2,175029E+22
-1374	2,411482E+22	2,544319E+22	2,588469E+22	2,588466E+22	2,544297E+22	2,411434E+22	2,174974E+22	1,898301E+22	1,706068E+22	1,706091E+22	1,898371E+22	2,175056E+22
-1373	2,411466E+22	2,544251E+22	2,588362E+22	2,588351E+22	2,544242E+22	2,411458E+22	2,175035E+22	1,898348E+22	1,706076E+22	1,706064E+22	1,898307E+22	2,174965E+22
-1372	2,411379E+22	2,544215E+22	2,588414E+22	2,588426E+22	2,544265E+22	2,411447E+22	2,175025E+22	1,898348E+22	1,706077E+22	1,706060E+22	1,898315E+22	2,175025E+22
-1371	2,411516E+22	2,544356E+22	2,588492E+22	2,588465E+22	2,544277E+22	2,411425E+22	2,174982E+22	1,898304E+22	1,706051E+22	1,706060E+22	1,898321E+22	2,174975E+22
-1370	2,411381E+22	2,544195E+22	2,588340E+22	2,588359E+22	2,544251E+22	2,411448E+22	2,175018E+22	1,898335E+22	1,706061E+22	1,706044E+22	1,898288E+22	2,174947E+22
-1369	2,411369E+22	2,544225E+22	2,588430E+22	2,588446E+22	2,544302E+22	2,411471E+22	2,175002E+22	1,898287E+22	1,706013E+22	1,706020E+22	1,898312E+22	2,175042E+22
-1368	2,411497E+22	2,544285E+22	2,588416E+22	2,588410E+22	2,544263E+22	2,411441E+22	2,174985E+22	1,898267E+22	1,705982E+22	1,705989E+22	1,898267E+22	2,174952E+22
-1367	2,411383E+22	2,544178E+22	2,588310E+22	2,588339E+22	2,544231E+22	2,411432E+22	2,174994E+22	1,898282E+22	1,705979E+22	1,705963E+22	1,898248E+22	2,174975E+22
-1366	2,411466E+22	2,544329E+22	2,588466E+22	2,588436E+22	2,544274E+22	2,411425E+22	2,174950E+22	1,898232E+22	1,705950E+22	1,705955E+22	1,898263E+22	2,175007E+22
-1365	2,411473E+22	2,544290E+22	2,588410E+22	2,588369E+22	2,544227E+22	2,411424E+22	2,174976E+22	1,898251E+22	1,705950E+22	1,705940E+22	1,898213E+22	2,174908E+22
-1364	2,411350E+22	2,544188E+22	2,588398E+22	2,588433E+22	2,544271E+22	2,411427E+22	2,174965E+22	1,898249E+22	1,705954E+22	1,705948E+22	1,898235E+22	2,174972E+22
-1363	2,411484E+22	2,544340E+22	2,588487E+22	2,588485E+22	2,544317E+22	2,411441E+22	2,174943E+22	1,898214E+22	1,705938E+22	1,705966E+22	1,898279E+22	2,174984E+22
-1362	2,411405E+22	2,544205E+22	2,588331E+22	2,588346E+22	2,544255E+22	2,411462E+22	2,175007E+22	1,898282E+22	1,705982E+22	1,705972E+22	1,898249E+22	2,174945E+22
-1361	2,411373E+22	2,544205E+22	2,588395E+22	2,588413E+22	2,544285E+22	2,411478E+22	2,175023E+22	1,898301E+22	1,706007E+22	1,705997E+22	1,898280E+22	2,175023E+22
-1360	2,411514E+22	2,544326E+22	2,588450E+22	2,588420E+22	2,544252E+22	2,411432E+22	2,174999E+22	1,898310E+22	1,706042E+22	1,706044E+22	1,898298E+22	2,174956E+22
-1359	2,411381E+22	2,544191E+22	2,588326E+22	2,588336E+22	2,544205E+22	2,411408E+22	2,175009E+22	1,898356E+22	1,706098E+22	1,706084E+22	1,898319E+22	2,174971E+22
-1358	2,411409E+22	2,544277E+22	2,588457E+22	2,588449E+22	2,544278E+22	2,411426E+22	2,174981E+22	1,898329E+22	1,706108E+22	1,706122E+22	1,898383E+22	2,175058E+22
-1357	2,411473E+22	2,544270E+22	2,588407E+22	2,588388E+22	2,544239E+22	2,411430E+22	2,175008E+22	1,898349E+22	1,706118E+22	1,706133E+22	1,898368E+22	2,174991E+22
-1356	2,411365E+22	2,544152E+22	2,588339E+22	2,588387E+22	2,544249E+22	2,411436E+22	2,175026E+22	1,898375E+22	1,706131E+22	1,706125E+22	1,898365E+22	2,175035E+22
-1355	2,411495E+22	2,544335E+22	2,588475E+22	2,588458E+22	2,544288E+22	2,411443E+22	2,175006E+22	1,898349E+22	1,706118E+22	1,706134E+22	1,898396E+22	2,175052E+22
-1354	2,411448E+22	2,544244E+22	2,588368E+22	2,588345E+22	2,544212E+22	2,411435E+22	2,175046E+22	1,898400E+22	1,706151E+22	1,706130E+22	1,898339E+22	2,174964E+22
-1353	2,411361E+22	2,544191E+22	2,588400E+22	2,588423E+22	2,544266E+22	2,411455E+22	2,175044E+22	1,898391E+22	1,706144E+22	1,706127E+22	1,898350E+22	2,175013E+22
-1352	2,411481E+22	2,544323E+22	2,588473E+22	2,588462E+22	2,544284E+22	2,411438E+22	2,175003E+22	1,898346E+22	1,706116E+22	1,706132E+22	1,898370E+22	2,174987E+22
-1351	2,411370E+22	2,544173E+22	2,588314E+22	2,588334E+22	2,544223E+22	2,411434E+22	2,175022E+22	1,898359E+22	1,706105E+22	1,706097E+22	1,898337E+22	2,174983E+22
-1350	2,411388E+22	2,544221E+22	2,588409E+22	2,588423E+22	2,544275E+22	2,411448E+22	2,175004E+22	1,898326E+22	1,706071E+22	1,706069E+22	1,898340E+22	2,175053E+22
-1349	2,411505E+22	2,544289E+22	2,588402E+22	2,588380E+22	2,544232E+22	2,411427E+22	2,174999E+22	1,898311E+22	1,706045E+22	1,706047E+22	1,898302E+22	2,174962E+22
-1348	2,411382E+22	2,544179E+22	2,588328E+22	2,588352E+22	2,544214E+22	2,411410E+22	2,174993E+22	1,898312E+22	1,706030E+22	1,706011E+22	1,898268E+22	2,174963E+22
-1347	2,411452E+22	2,544334E+22	2,588492E+22	2,588464E+22	2,544279E+22	2,411417E+22	2,174954E+22	1,898262E+22	1,706000E+22	1,706017E+22	1,898313E+22	2,175012E+22
-1346	2,411436E+22	2,544252E+22	2,588400E+22	2,588379E+22	2,544228E+22	2,411418E+22	2,174978E+22	1,898284E+22	1,706013E+22	1,706013E+22	1,898273E+22	2,174940E+22
-1345	2,411348E+22	2,544153E+22	2,588358E+22	2,588411E+22	2,544279E+22	2,411460E+22	2,175002E+22	1,898291E+22	1,706012E+22	1,706008E+22	1,898277E+22	2,174984E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411478E+22	2,544321E+22	2,588455E+22	2,588454E+22	2,544301E+22	2,411456E+22	2,174988E+22	1,898280E+22	1,706014E+22	1,706032E+22	1,898314E+22	2,174991E+22
-1343	2,411412E+22	2,544211E+22	2,588319E+22	2,588312E+22	2,544206E+22	2,411431E+22	2,175018E+22	1,898336E+22	1,706059E+22	1,706043E+22	1,898290E+22	2,174957E+22
-1342	2,411379E+22	2,544214E+22	2,588401E+22	2,588405E+22	2,544247E+22	2,411432E+22	2,175014E+22	1,898356E+22	1,706102E+22	1,706082E+22	1,898324E+22	2,175017E+22
-1341	2,411486E+22	2,544305E+22	2,588443E+22	2,588419E+22	2,544240E+22	2,411413E+22	2,174999E+22	1,898353E+22	1,706125E+22	1,706138E+22	1,898370E+22	2,174981E+22
-1340	2,411360E+22	2,544157E+22	2,588322E+22	2,588356E+22	2,544215E+22	2,411406E+22	2,175009E+22	1,898378E+22	1,706150E+22	1,706148E+22	1,898371E+22	2,174996E+22
-1339	2,411410E+22	2,544269E+22	2,588453E+22	2,588452E+22	2,544282E+22	2,411439E+22	2,175006E+22	1,898364E+22	1,706152E+22	1,706177E+22	1,898437E+22	2,175087E+22
-1338	2,411472E+22	2,544253E+22	2,588387E+22	2,588371E+22	2,544221E+22	2,411426E+22	2,175032E+22	1,898402E+22	1,706185E+22	1,706192E+22	1,898408E+22	2,175015E+22
-1337	2,411382E+22	2,544156E+22	2,588319E+22	2,588358E+22	2,544237E+22	2,411454E+22	2,175063E+22	1,898433E+22	1,706202E+22	1,706183E+22	1,898383E+22	2,175015E+22
-1336	2,411473E+22	2,544335E+22	2,588482E+22	2,588453E+22	2,544271E+22	2,411441E+22	2,175037E+22	1,898415E+22	1,706204E+22	1,706209E+22	1,898425E+22	2,175037E+22
-1335	2,411423E+22	2,544229E+22	2,588367E+22	2,588346E+22	2,544191E+22	2,411403E+22	2,175038E+22	1,898435E+22	1,706220E+22	1,706205E+22	1,898393E+22	2,174981E+22
-1334	2,411346E+22	2,544162E+22	2,588375E+22	2,588418E+22	2,544259E+22	2,411433E+22	2,175035E+22	1,898423E+22	1,706211E+22	1,706197E+22	1,898401E+22	2,175032E+22
-1333	2,411464E+22	2,544287E+22	2,588432E+22	2,588434E+22	2,544271E+22	2,411440E+22	2,175019E+22	1,898379E+22	1,706166E+22	1,706191E+22	1,898426E+22	2,175027E+22
-1332	2,411379E+22	2,544158E+22	2,588298E+22	2,588318E+22	2,544199E+22	2,411419E+22	2,175029E+22	1,898384E+22	1,706139E+22	1,706127E+22	1,898356E+22	2,174994E+22
-1331	2,411405E+22	2,544249E+22	2,588425E+22	2,588415E+22	2,544250E+22	2,411432E+22	2,175015E+22	1,898358E+22	1,706114E+22	1,706112E+22	1,898369E+22	2,175053E+22
-1330	2,411491E+22	2,544292E+22	2,588418E+22	2,588386E+22	2,544208E+22	2,411396E+22	2,174994E+22	1,898347E+22	1,706109E+22	1,706109E+22	1,898338E+22	2,174968E+22
-1329	2,411370E+22	2,544165E+22	2,588319E+22	2,588359E+22	2,544232E+22	2,411425E+22	2,175004E+22	1,898342E+22	1,706087E+22	1,706071E+22	1,898302E+22	2,174953E+22
-1328	2,411418E+22	2,544308E+22	2,588482E+22	2,588474E+22	2,544300E+22	2,411444E+22	2,174986E+22	1,898307E+22	1,706063E+22	1,706080E+22	1,898353E+22	2,175025E+22
-1327	2,411428E+22	2,544229E+22	2,588374E+22	2,588363E+22	2,544213E+22	2,411412E+22	2,174995E+22	1,898323E+22	1,706068E+22	1,706070E+22	1,898319E+22	2,174970E+22
-1326	2,411358E+22	2,544140E+22	2,588324E+22	2,588383E+22	2,544254E+22	2,411443E+22	2,175021E+22	1,898355E+22	1,706093E+22	1,706073E+22	1,898312E+22	2,174989E+22
-1325	2,411467E+22	2,544311E+22	2,588433E+22	2,588422E+22	2,544269E+22	2,411445E+22	2,175012E+22	1,898343E+22	1,706101E+22	1,706114E+22	1,898367E+22	2,175005E+22
-1324	2,411397E+22	2,544200E+22	2,588327E+22	2,588313E+22	2,544174E+22	2,411396E+22	2,175017E+22	1,898378E+22	1,706134E+22	1,706118E+22	1,898336E+22	2,174962E+22
-1323	2,411365E+22	2,544213E+22	2,588413E+22	2,588417E+22	2,544240E+22	2,411412E+22	2,175011E+22	1,898387E+22	1,706167E+22	1,706167E+22	1,898398E+22	2,175043E+22
-1322	2,411464E+22	2,544274E+22	2,588423E+22	2,588413E+22	2,544231E+22	2,411399E+22	2,174997E+22	1,898385E+22	1,706193E+22	1,706218E+22	1,898438E+22	2,175029E+22
-1321	2,411377E+22	2,544142E+22	2,588286E+22	2,588330E+22	2,544218E+22	2,411431E+22	2,175038E+22	1,898417E+22	1,706204E+22	1,706202E+22	1,898406E+22	2,175010E+22
-1320	2,411416E+22	2,544272E+22	2,588444E+22	2,588437E+22	2,544272E+22	2,411449E+22	2,175046E+22	1,898428E+22	1,706222E+22	1,706230E+22	1,898456E+22	2,175088E+22
-1319	2,411478E+22	2,544265E+22	2,588393E+22	2,588359E+22	2,544186E+22	2,411398E+22	2,175043E+22	1,898454E+22	1,706258E+22	1,706254E+22	1,898435E+22	2,175013E+22
-1318	2,411373E+22	2,544159E+22	2,588330E+22	2,588366E+22	2,544220E+22	2,411422E+22	2,175066E+22	1,898491E+22	1,706292E+22	1,706260E+22	1,898418E+22	2,174997E+22
-1317	2,411423E+22	2,544301E+22	2,588469E+22	2,588456E+22	2,544276E+22	2,411441E+22	2,175049E+22	1,898460E+22	1,706281E+22	1,706294E+22	1,898488E+22	2,175053E+22
-1316	2,411388E+22	2,544186E+22	2,588352E+22	2,588351E+22	2,544194E+22	2,411404E+22	2,175045E+22	1,898461E+22	1,706269E+22	1,706263E+22	1,898441E+22	2,175006E+22
-1315	2,411347E+22	2,544149E+22	2,588356E+22	2,588404E+22	2,544251E+22	2,411435E+22	2,175053E+22	1,898453E+22	1,706251E+22	1,706249E+22	1,898454E+22	2,175065E+22
-1314	2,411467E+22	2,544270E+22	2,588401E+22	2,588402E+22	2,544242E+22	2,411423E+22	2,175031E+22	1,898421E+22	1,706225E+22	1,706244E+22	1,898464E+22	2,175059E+22
-1313	2,411405E+22	2,544173E+22	2,588285E+22	2,588289E+22	2,544183E+22	2,411422E+22	2,175046E+22	1,898423E+22	1,706194E+22	1,706175E+22	1,898373E+22	2,174984E+22
-1312	2,411393E+22	2,544260E+22	2,588445E+22	2,588422E+22	2,544236E+22	2,411417E+22	2,175025E+22	1,898402E+22	1,706178E+22	1,706170E+22	1,898393E+22	2,175047E+22
-1311	2,411472E+22	2,544279E+22	2,588422E+22	2,588400E+22	2,544203E+22	2,411370E+22	2,174979E+22	1,898367E+22	1,706162E+22	1,706171E+22	1,898384E+22	2,174987E+22
-1310	2,411361E+22	2,544146E+22	2,588301E+22	2,588359E+22	2,544235E+22	2,411416E+22	2,175006E+22	1,898376E+22	1,706145E+22	1,706130E+22	1,898342E+22	2,174964E+22
-1309	2,411393E+22	2,544270E+22	2,588441E+22	2,588445E+22	2,544294E+22	2,411458E+22	2,175017E+22	1,898354E+22	1,706122E+22	1,706138E+22	1,898397E+22	2,175047E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411423E+22	2,544213E+22	2,588358E+22	2,588343E+22	2,544190E+22	2,411404E+22	2,175016E+22	1,898370E+22	1,706126E+22	1,706116E+22	1,898341E+22	2,174976E+22
-1307	2,411364E+22	2,544158E+22	2,588330E+22	2,588366E+22	2,544223E+22	2,411422E+22	2,175035E+22	1,898403E+22	1,706162E+22	1,706143E+22	1,898356E+22	2,174993E+22
-1306	2,411443E+22	2,544294E+22	2,588431E+22	2,588416E+22	2,544239E+22	2,411411E+22	2,175011E+22	1,898392E+22	1,706187E+22	1,706202E+22	1,898426E+22	2,175028E+22
-1305	2,411391E+22	2,544185E+22	2,588311E+22	2,588308E+22	2,544183E+22	2,411403E+22	2,175022E+22	1,898413E+22	1,706203E+22	1,706197E+22	1,898389E+22	2,174972E+22
-1304	2,411345E+22	2,544198E+22	2,588409E+22	2,588419E+22	2,544246E+22	2,411423E+22	2,175034E+22	1,898433E+22	1,706236E+22	1,706237E+22	1,898446E+22	2,175071E+22
-1303	2,411471E+22	2,544262E+22	2,588407E+22	2,588402E+22	2,544217E+22	2,411389E+22	2,175010E+22	1,898427E+22	1,706256E+22	1,706280E+22	1,898483E+22	2,175059E+22
-1302	2,411397E+22	2,544149E+22	2,588273E+22	2,588314E+22	2,544201E+22	2,411417E+22	2,175060E+22	1,898484E+22	1,706287E+22	1,706266E+22	1,898433E+22	2,175004E+22
-1301	2,411398E+22	2,544265E+22	2,588439E+22	2,588422E+22	2,544255E+22	2,411448E+22	2,175078E+22	1,898496E+22	1,706313E+22	1,706310E+22	1,898497E+22	2,175086E+22
-1300	2,411446E+22	2,544248E+22	2,588409E+22	2,588374E+22	2,544174E+22	2,411377E+22	2,175047E+22	1,898500E+22	1,706333E+22	1,706327E+22	1,898478E+22	2,175012E+22
-1299	2,411345E+22	2,544139E+22	2,588328E+22	2,588374E+22	2,544224E+22	2,411416E+22	2,175068E+22	1,898521E+22	1,706355E+22	1,706344E+22	1,898490E+22	2,175023E+22
-1298	2,411393E+22	2,544249E+22	2,588429E+22	2,588434E+22	2,544266E+22	2,411436E+22	2,175056E+22	1,898491E+22	1,706342E+22	1,706367E+22	1,898554E+22	2,175105E+22
-1297	2,411408E+22	2,544166E+22	2,588301E+22	2,588305E+22	2,544184E+22	2,411419E+22	2,175066E+22	1,898492E+22	1,706313E+22	1,706308E+22	1,898472E+22	2,175024E+22
-1296	2,411361E+22	2,544161E+22	2,588351E+22	2,588377E+22	2,544224E+22	2,411427E+22	2,175074E+22	1,898501E+22	1,706308E+22	1,706289E+22	1,898467E+22	2,175074E+22
-1295	2,411486E+22	2,544290E+22	2,588413E+22	2,588388E+22	2,544200E+22	2,411379E+22	2,175018E+22	1,898450E+22	1,706279E+22	1,706291E+22	1,898484E+22	2,175059E+22
-1294	2,411405E+22	2,544184E+22	2,588303E+22	2,588302E+22	2,544170E+22	2,411387E+22	2,175036E+22	1,898460E+22	1,706256E+22	1,706230E+22	1,898396E+22	2,174967E+22
-1293	2,411352E+22	2,544231E+22	2,588442E+22	2,588435E+22	2,544254E+22	2,411427E+22	2,175036E+22	1,898433E+22	1,706233E+22	1,706232E+22	1,898437E+22	2,175055E+22
-1292	2,411438E+22	2,544244E+22	2,588417E+22	2,588408E+22	2,544213E+22	2,411380E+22	2,174993E+22	1,898392E+22	1,706201E+22	1,706214E+22	1,898416E+22	2,175001E+22
-1291	2,411356E+22	2,544132E+22	2,588284E+22	2,588345E+22	2,544233E+22	2,411428E+22	2,175035E+22	1,898415E+22	1,706196E+22	1,706188E+22	1,898387E+22	2,174983E+22
-1290	2,411382E+22	2,544241E+22	2,588405E+22	2,588407E+22	2,544265E+22	2,411449E+22	2,175041E+22	1,898414E+22	1,706202E+22	1,706208E+22	1,898437E+22	2,175068E+22
-1289	2,411433E+22	2,544214E+22	2,588335E+22	2,588306E+22	2,544168E+22	2,411401E+22	2,175035E+22	1,898426E+22	1,706208E+22	1,706191E+22	1,898376E+22	2,174970E+22
-1288	2,411344E+22	2,544156E+22	2,588345E+22	2,588368E+22	2,544203E+22	2,411396E+22	2,175042E+22	1,898458E+22	1,706250E+22	1,706227E+22	1,898405E+22	2,175009E+22
-1287	2,411433E+22	2,544272E+22	2,588424E+22	2,588415E+22	2,544224E+22	2,411376E+22	2,174991E+22	1,898418E+22	1,706257E+22	1,706286E+22	1,898493E+22	2,175067E+22
-1286	2,411398E+22	2,544172E+22	2,588298E+22	2,588302E+22	2,544176E+22	2,411389E+22	2,175027E+22	1,898451E+22	1,706269E+22	1,706267E+22	1,898441E+22	2,174996E+22
-1285	2,411340E+22	2,544179E+22	2,588386E+22	2,588401E+22	2,544241E+22	2,411435E+22	2,175065E+22	1,898483E+22	1,706301E+22	1,706301E+22	1,898490E+22	2,175091E+22
-1284	2,411470E+22	2,544263E+22	2,588415E+22	2,588396E+22	2,544203E+22	2,411383E+22	2,175030E+22	1,898477E+22	1,706320E+22	1,706332E+22	1,898504E+22	2,175057E+22
-1283	2,411395E+22	2,544166E+22	2,588295E+22	2,588317E+22	2,544189E+22	2,411409E+22	2,175078E+22	1,898534E+22	1,706365E+22	1,706345E+22	1,898477E+22	2,174998E+22
-1282	2,411356E+22	2,544225E+22	2,588428E+22	2,588423E+22	2,544248E+22	2,411435E+22	2,175089E+22	1,898551E+22	1,706403E+22	1,706401E+22	1,898555E+22	2,175102E+22
-1281	2,411429E+22	2,544216E+22	2,588376E+22	2,588362E+22	2,544192E+22	2,411398E+22	2,175065E+22	1,898540E+22	1,706402E+22	1,706404E+22	1,898532E+22	2,175027E+22
-1280	2,411327E+22	2,544113E+22	2,588308E+22	2,588356E+22	2,544215E+22	2,411422E+22	2,175095E+22	1,898567E+22	1,706416E+22	1,706404E+22	1,898535E+22	2,175059E+22
-1279	2,411408E+22	2,544228E+22	2,588397E+22	2,588399E+22	2,544232E+22	2,411414E+22	2,175060E+22	1,898525E+22	1,706394E+22	1,706418E+22	1,898593E+22	2,175139E+22
-1278	2,411442E+22	2,544184E+22	2,588294E+22	2,588277E+22	2,544146E+22	2,411388E+22	2,175072E+22	1,898538E+22	1,706374E+22	1,706357E+22	1,898491E+22	2,175020E+22
-1277	2,411353E+22	2,544167E+22	2,588360E+22	2,588365E+22	2,544199E+22	2,411410E+22	2,175082E+22	1,898540E+22	1,706370E+22	1,706349E+22	1,898496E+22	2,175066E+22
-1276	2,411459E+22	2,544285E+22	2,588443E+22	2,588412E+22	2,544197E+22	2,411356E+22	2,175006E+22	1,898471E+22	1,706327E+22	1,706342E+22	1,898511E+22	2,175054E+22
-1275	2,411383E+22	2,544172E+22	2,588313E+22	2,588321E+22	2,544188E+22	2,411390E+22	2,175033E+22	1,898472E+22	1,706300E+22	1,706293E+22	1,898447E+22	2,174980E+22
-1274	2,411319E+22	2,544176E+22	2,588403E+22	2,588419E+22	2,544257E+22	2,411440E+22	2,175056E+22	1,898468E+22	1,706286E+22	1,706289E+22	1,898482E+22	2,175085E+22
-1273	2,411447E+22	2,544221E+22	2,588371E+22	2,588370E+22	2,544212E+22	2,411404E+22	2,175026E+22	1,898438E+22	1,706254E+22	1,706260E+22	1,898439E+22	2,175005E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411355E+22	2,544134E+22	2,588279E+22	2,588315E+22	2,544201E+22	2,411420E+22	2,175065E+22	1,898479E+22	1,706272E+22	1,706244E+22	1,898410E+22	2,174990E+22
-1271	2,411386E+22	2,544237E+22	2,588403E+22	2,588385E+22	2,544222E+22	2,411406E+22	2,175034E+22	1,898457E+22	1,706280E+22	1,706286E+22	1,898481E+22	2,175079E+22
-1270	2,411433E+22	2,544213E+22	2,588342E+22	2,588307E+22	2,544146E+22	2,411364E+22	2,175027E+22	1,898470E+22	1,706288E+22	1,706276E+22	1,898428E+22	2,174974E+22
-1269	2,411316E+22	2,544128E+22	2,588338E+22	2,588373E+22	2,544210E+22	2,411399E+22	2,175048E+22	1,898491E+22	1,706318E+22	1,706309E+22	1,898471E+22	2,175038E+22
-1268	2,411419E+22	2,544251E+22	2,588426E+22	2,588420E+22	2,544226E+22	2,411377E+22	2,175001E+22	1,898448E+22	1,706307E+22	1,706342E+22	1,898537E+22	2,175095E+22
-1267	2,411411E+22	2,544172E+22	2,588297E+22	2,588299E+22	2,544178E+22	2,411399E+22	2,175051E+22	1,898492E+22	1,706330E+22	1,706334E+22	1,898488E+22	2,175013E+22
-1266	2,411335E+22	2,544161E+22	2,588367E+22	2,588377E+22	2,544225E+22	2,411438E+22	2,175097E+22	1,898549E+22	1,706387E+22	1,706376E+22	1,898528E+22	2,175100E+22
-1265	2,411471E+22	2,544261E+22	2,588402E+22	2,588375E+22	2,544194E+22	2,411389E+22	2,175058E+22	1,898538E+22	1,706406E+22	1,706411E+22	1,898539E+22	2,175043E+22
-1264	2,411362E+22	2,544150E+22	2,588306E+22	2,588321E+22	2,544180E+22	2,411399E+22	2,175096E+22	1,898596E+22	1,706456E+22	1,706431E+22	1,898530E+22	2,175016E+22
-1263	2,411340E+22	2,544182E+22	2,588398E+22	2,588407E+22	2,544230E+22	2,411412E+22	2,175079E+22	1,898582E+22	1,706474E+22	1,706485E+22	1,898621E+22	2,175139E+22
-1262	2,411437E+22	2,544193E+22	2,588342E+22	2,588330E+22	2,544164E+22	2,411381E+22	2,175076E+22	1,898581E+22	1,706462E+22	1,706468E+22	1,898580E+22	2,175052E+22
-1261	2,411331E+22	2,544099E+22	2,588283E+22	2,588325E+22	2,544190E+22	2,411416E+22	2,175112E+22	1,898608E+22	1,706471E+22	1,706457E+22	1,898571E+22	2,175078E+22
-1260	2,411418E+22	2,544244E+22	2,588414E+22	2,588385E+22	2,544196E+22	2,411384E+22	2,175058E+22	1,898555E+22	1,706440E+22	1,706456E+22	1,898606E+22	2,175135E+22
-1259	2,411446E+22	2,544209E+22	2,588332E+22	2,588294E+22	2,544135E+22	2,411367E+22	2,175065E+22	1,898559E+22	1,706426E+22	1,706418E+22	1,898522E+22	2,175006E+22
-1258	2,411318E+22	2,544140E+22	2,588363E+22	2,588381E+22	2,544206E+22	2,411404E+22	2,175083E+22	1,898570E+22	1,706430E+22	1,706414E+22	1,898535E+22	2,175068E+22
-1257	2,411439E+22	2,544254E+22	2,588418E+22	2,588414E+22	2,544231E+22	2,411389E+22	2,175026E+22	1,898498E+22	1,706374E+22	1,706394E+22	1,898544E+22	2,175053E+22
-1256	2,411358E+22	2,544143E+22	2,588300E+22	2,588317E+22	2,544194E+22	2,411413E+22	2,175071E+22	1,898522E+22	1,706356E+22	1,706340E+22	1,898480E+22	2,175006E+22
-1255	2,411325E+22	2,544138E+22	2,588359E+22	2,588383E+22	2,544231E+22	2,411429E+22	2,175073E+22	1,898515E+22	1,706350E+22	1,706348E+22	1,898519E+22	2,175105E+22
-1254	2,411465E+22	2,544223E+22	2,588354E+22	2,588332E+22	2,544167E+22	2,411381E+22	2,175049E+22	1,898499E+22	1,706330E+22	1,706327E+22	1,898474E+22	2,175003E+22
-1253	2,411342E+22	2,544128E+22	2,588282E+22	2,588299E+22	2,544166E+22	2,411396E+22	2,175073E+22	1,898528E+22	1,706352E+22	1,706327E+22	1,898463E+22	2,174996E+22
-1252	2,411364E+22	2,544228E+22	2,588422E+22	2,588394E+22	2,544203E+22	2,411372E+22	2,175017E+22	1,898481E+22	1,706342E+22	1,706359E+22	1,898536E+22	2,175099E+22
-1251	2,411431E+22	2,544206E+22	2,588349E+22	2,588320E+22	2,544155E+22	2,411360E+22	2,175016E+22	1,898479E+22	1,706340E+22	1,706355E+22	1,898497E+22	2,175005E+22
-1250	2,411307E+22	2,544091E+22	2,588305E+22	2,588354E+22	2,544208E+22	2,411409E+22	2,175068E+22	1,898528E+22	1,706376E+22	1,706372E+22	1,898520E+22	2,175071E+22
-1249	2,411442E+22	2,544247E+22	2,588396E+22	2,588396E+22	2,544230E+22	2,411400E+22	2,175037E+22	1,898500E+22	1,706369E+22	1,706392E+22	1,898559E+22	2,175093E+22
-1248	2,411410E+22	2,544185E+22	2,588312E+22	2,588290E+22	2,544156E+22	2,411396E+22	2,175086E+22	1,898565E+22	1,706414E+22	1,706394E+22	1,898508E+22	2,175013E+22
-1247	2,411324E+22	2,544140E+22	2,588361E+22	2,588368E+22	2,544196E+22	2,411409E+22	2,175103E+22	1,898606E+22	1,706478E+22	1,706463E+22	1,898574E+22	2,175098E+22
-1246	2,411452E+22	2,544244E+22	2,588400E+22	2,588376E+22	2,544177E+22	2,411371E+22	2,175070E+22	1,898594E+22	1,706492E+22	1,706501E+22	1,898597E+22	2,175045E+22
-1245	2,411325E+22	2,544110E+22	2,588284E+22	2,588310E+22	2,544174E+22	2,411403E+22	2,175113E+22	1,898639E+22	1,706530E+22	1,706517E+22	1,898598E+22	2,175044E+22
-1244	2,411328E+22	2,544157E+22	2,588383E+22	2,588389E+22	2,544210E+22	2,411401E+22	2,175088E+22	1,898614E+22	1,706526E+22	1,706542E+22	1,898667E+22	2,175170E+22
-1243	2,411460E+22	2,544200E+22	2,588335E+22	2,588316E+22	2,544147E+22	2,411370E+22	2,175080E+22	1,898608E+22	1,706517E+22	1,706531E+22	1,898623E+22	2,175068E+22
-1242	2,411334E+22	2,544093E+22	2,588271E+22	2,588303E+22	2,544164E+22	2,411402E+22	2,175125E+22	1,898652E+22	1,706537E+22	1,706516E+22	1,898603E+22	2,175084E+22
-1241	2,411422E+22	2,544250E+22	2,588416E+22	2,588387E+22	2,544195E+22	2,411380E+22	2,175067E+22	1,898592E+22	1,706499E+22	1,706512E+22	1,898631E+22	2,175118E+22
-1240	2,411413E+22	2,544197E+22	2,588355E+22	2,588321E+22	2,544144E+22	2,411365E+22	2,175074E+22	1,898597E+22	1,706486E+22	1,706474E+22	1,898560E+22	2,175020E+22
-1239	2,411299E+22	2,544092E+22	2,588332E+22	2,588375E+22	2,544207E+22	2,411404E+22	2,175085E+22	1,898593E+22	1,706480E+22	1,706475E+22	1,898584E+22	2,175091E+22
-1238	2,411439E+22	2,544232E+22	2,588384E+22	2,588384E+22	2,544210E+22	2,411394E+22	2,175056E+22	1,898542E+22	1,706423E+22	1,706443E+22	1,898577E+22	2,175063E+22
-1237	2,411353E+22	2,544125E+22	2,588272E+22	2,588282E+22	2,544167E+22	2,411414E+22	2,175101E+22	1,898574E+22	1,706418E+22	1,706396E+22	1,898514E+22	2,175015E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411326E+22	2,544146E+22	2,588361E+22	2,588359E+22	2,544186E+22	2,411397E+22	2,175075E+22	1,898555E+22	1,706410E+22	1,706401E+22	1,898546E+22	2,175106E+22
-1235	2,411465E+22	2,544235E+22	2,588373E+22	2,588339E+22	2,544147E+22	2,411351E+22	2,175036E+22	1,898524E+22	1,706397E+22	1,706407E+22	1,898526E+22	2,175008E+22
-1234	2,411318E+22	2,544101E+22	2,588274E+22	2,588305E+22	2,544165E+22	2,411384E+22	2,175071E+22	1,898558E+22	1,706416E+22	1,706404E+22	1,898522E+22	2,175022E+22
-1233	2,411364E+22	2,544210E+22	2,588400E+22	2,588392E+22	2,544218E+22	2,411388E+22	2,175030E+22	1,898508E+22	1,706391E+22	1,706416E+22	1,898579E+22	2,175113E+22
-1232	2,411422E+22	2,544195E+22	2,588350E+22	2,588324E+22	2,544157E+22	2,411374E+22	2,175050E+22	1,898530E+22	1,706399E+22	1,706404E+22	1,898532E+22	2,175034E+22
-1231	2,411321E+22	2,544074E+22	2,588279E+22	2,588330E+22	2,544186E+22	2,411402E+22	2,175088E+22	1,898582E+22	1,706449E+22	1,706437E+22	1,898553E+22	2,175077E+22
-1230	2,411448E+22	2,544255E+22	2,588391E+22	2,588369E+22	2,544190E+22	2,411388E+22	2,175072E+22	1,898574E+22	1,706458E+22	1,706468E+22	1,898590E+22	2,175077E+22
-1229	2,411378E+22	2,544168E+22	2,588317E+22	2,588292E+22	2,544136E+22	2,411382E+22	2,175108E+22	1,898632E+22	1,706513E+22	1,706492E+22	1,898567E+22	2,175012E+22
-1228	2,411289E+22	2,544112E+22	2,588358E+22	2,588371E+22	2,544182E+22	2,411383E+22	2,175096E+22	1,898644E+22	1,706555E+22	1,706551E+22	1,898640E+22	2,175120E+22
-1227	2,411437E+22	2,544218E+22	2,588384E+22	2,588373E+22	2,544176E+22	2,411366E+22	2,175066E+22	1,898615E+22	1,706557E+22	1,706590E+22	1,898673E+22	2,175083E+22
-1226	2,411321E+22	2,544074E+22	2,588243E+22	2,588279E+22	2,544154E+22	2,411401E+22	2,175131E+22	1,898677E+22	1,706589E+22	1,706583E+22	1,898653E+22	2,175084E+22
-1225	2,411356E+22	2,544161E+22	2,588355E+22	2,588360E+22	2,544194E+22	2,411400E+22	2,175107E+22	1,898656E+22	1,706580E+22	1,706589E+22	1,898689E+22	2,175171E+22
-1224	2,411464E+22	2,544223E+22	2,588362E+22	2,588320E+22	2,544128E+22	2,411357E+22	2,175097E+22	1,898659E+22	1,706582E+22	1,706578E+22	1,898642E+22	2,175073E+22
-1223	2,411330E+22	2,544084E+22	2,588274E+22	2,588310E+22	2,544150E+22	2,411377E+22	2,175119E+22	1,898686E+22	1,706602E+22	1,706581E+22	1,898637E+22	2,175080E+22
-1222	2,411404E+22	2,544240E+22	2,588417E+22	2,588395E+22	2,544194E+22	2,411380E+22	2,175086E+22	1,898633E+22	1,706556E+22	1,706572E+22	1,898669E+22	2,175116E+22
-1221	2,411377E+22	2,544159E+22	2,588337E+22	2,588324E+22	2,544153E+22	2,411385E+22	2,175104E+22	1,898638E+22	1,706541E+22	1,706533E+22	1,898606E+22	2,175035E+22
-1220	2,411284E+22	2,544066E+22	2,588306E+22	2,588356E+22	2,544192E+22	2,411403E+22	2,175105E+22	1,898630E+22	1,706526E+22	1,706519E+22	1,898618E+22	2,175109E+22
-1219	2,411448E+22	2,544232E+22	2,588369E+22	2,588364E+22	2,544191E+22	2,411386E+22	2,175066E+22	1,898577E+22	1,706483E+22	1,706506E+22	1,898616E+22	2,175073E+22
-1218	2,411348E+22	2,544115E+22	2,588251E+22	2,588248E+22	2,544127E+22	2,411392E+22	2,175115E+22	1,898623E+22	1,706490E+22	1,706464E+22	1,898555E+22	2,175025E+22
-1217	2,411326E+22	2,544147E+22	2,588356E+22	2,588355E+22	2,544171E+22	2,411375E+22	2,175074E+22	1,898592E+22	1,706476E+22	1,706468E+22	1,898586E+22	2,175105E+22
-1216	2,411443E+22	2,544229E+22	2,588388E+22	2,588360E+22	2,544147E+22	2,411335E+22	2,175032E+22	1,898555E+22	1,706456E+22	1,706467E+22	1,898577E+22	2,175041E+22
-1215	2,411313E+22	2,544065E+22	2,588242E+22	2,588294E+22	2,544158E+22	2,411375E+22	2,175068E+22	1,898579E+22	1,706466E+22	1,706465E+22	1,898574E+22	2,175052E+22
-1214	2,411376E+22	2,544205E+22	2,588381E+22	2,588371E+22	2,544196E+22	2,411392E+22	2,175064E+22	1,898557E+22	1,706443E+22	1,706465E+22	1,898610E+22	2,175120E+22
-1213	2,411418E+22	2,544190E+22	2,588342E+22	2,588311E+22	2,544138E+22	2,411375E+22	2,175085E+22	1,898593E+22	1,706474E+22	1,706466E+22	1,898562E+22	2,175029E+22
-1212	2,411309E+22	2,544082E+22	2,588288E+22	2,588321E+22	2,544156E+22	2,411379E+22	2,175101E+22	1,898637E+22	1,706530E+22	1,706509E+22	1,898587E+22	2,175067E+22
-1211	2,411424E+22	2,544250E+22	2,588406E+22	2,588386E+22	2,544186E+22	2,411370E+22	2,175068E+22	1,898614E+22	1,706547E+22	1,706568E+22	1,898651E+22	2,175077E+22
-1210	2,411338E+22	2,544123E+22	2,588289E+22	2,588288E+22	2,544136E+22	2,411381E+22	2,175121E+22	1,898680E+22	1,706597E+22	1,706586E+22	1,898641E+22	2,175045E+22
-1209	2,411283E+22	2,544080E+22	2,588316E+22	2,588357E+22	2,544187E+22	2,411393E+22	2,175117E+22	1,898685E+22	1,706620E+22	1,706622E+22	1,898697E+22	2,175149E+22
-1208	2,411435E+22	2,544204E+22	2,588370E+22	2,588363E+22	2,544165E+22	2,411368E+22	2,175094E+22	1,898668E+22	1,706620E+22	1,706643E+22	1,898719E+22	2,175128E+22
-1207	2,411345E+22	2,544067E+22	2,588214E+22	2,588246E+22	2,544122E+22	2,411382E+22	2,175141E+22	1,898723E+22	1,706656E+22	1,706645E+22	1,898691E+22	2,175101E+22
-1206	2,411374E+22	2,544187E+22	2,588366E+22	2,588339E+22	2,544150E+22	2,411379E+22	2,175130E+22	1,898711E+22	1,706650E+22	1,706650E+22	1,898717E+22	2,175159E+22
-1205	2,411437E+22	2,544218E+22	2,588381E+22	2,588340E+22	2,544122E+22	2,411344E+22	2,175107E+22	1,898706E+22	1,706656E+22	1,706652E+22	1,898685E+22	2,175068E+22
-1204	2,411300E+22	2,544069E+22	2,588276E+22	2,588321E+22	2,544153E+22	2,411365E+22	2,175112E+22	1,898709E+22	1,706655E+22	1,706643E+22	1,898683E+22	2,175092E+22
-1203	2,411384E+22	2,544214E+22	2,588398E+22	2,588395E+22	2,544204E+22	2,411389E+22	2,175089E+22	1,898652E+22	1,706606E+22	1,706634E+22	1,898715E+22	2,175135E+22
-1202	2,411365E+22	2,544124E+22	2,588293E+22	2,588292E+22	2,544138E+22	2,411391E+22	2,175134E+22	1,898684E+22	1,706595E+22	1,706583E+22	1,898644E+22	2,175061E+22
-1201	2,411301E+22	2,544064E+22	2,588272E+22	2,588321E+22	2,544166E+22	2,411391E+22	2,175124E+22	1,898677E+22	1,706581E+22	1,706561E+22	1,898634E+22	2,175104E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1200	2,411436E+22	2,544240E+22	2,588384E+22	2,588362E+22	2,544164E+22	2,411362E+22	2,175076E+22	1,898625E+22	1,706547E+22	1,706556E+22	1,898646E+22	2,175086E+22
-1199	2,411338E+22	2,544101E+22	2,588246E+22	2,588248E+22	2,544107E+22	2,411356E+22	2,175096E+22	1,898648E+22	1,706553E+22	1,706536E+22	1,898602E+22	2,175035E+22
-1198	2,411316E+22	2,544142E+22	2,588354E+22	2,588351E+22	2,544158E+22	2,411365E+22	2,175082E+22	1,898621E+22	1,706528E+22	1,706530E+22	1,898632E+22	2,175116E+22
-1197	2,411419E+22	2,544203E+22	2,588378E+22	2,588367E+22	2,544156E+22	2,411348E+22	2,175054E+22	1,898593E+22	1,706512E+22	1,706527E+22	1,898622E+22	2,175061E+22
-1196	2,411312E+22	2,544059E+22	2,588227E+22	2,588283E+22	2,544149E+22	2,411371E+22	2,175084E+22	1,898619E+22	1,706520E+22	1,706514E+22	1,898605E+22	2,175066E+22
-1195	2,411380E+22	2,544209E+22	2,588377E+22	2,588362E+22	2,544188E+22	2,411390E+22	2,175080E+22	1,898605E+22	1,706520E+22	1,706536E+22	1,898643E+22	2,175118E+22
-1194	2,411398E+22	2,544175E+22	2,588331E+22	2,588296E+22	2,544116E+22	2,411367E+22	2,175112E+22	1,898660E+22	1,706565E+22	1,706552E+22	1,898612E+22	2,175035E+22
-1193	2,411290E+22	2,544063E+22	2,588273E+22	2,588322E+22	2,544151E+22	2,411366E+22	2,175113E+22	1,898692E+22	1,706616E+22	1,706596E+22	1,898643E+22	2,175073E+22
-1192	2,411388E+22	2,544220E+22	2,588398E+22	2,588395E+22	2,544192E+22	2,411368E+22	2,175080E+22	1,898661E+22	1,706623E+22	1,706648E+22	1,898722E+22	2,175127E+22
-1191	2,411337E+22	2,544082E+22	2,588241E+22	2,588255E+22	2,544117E+22	2,411370E+22	2,175126E+22	1,898715E+22	1,706665E+22	1,706665E+22	1,898706E+22	2,175090E+22
-1190	2,411309E+22	2,544085E+22	2,588293E+22	2,588314E+22	2,544144E+22	2,411383E+22	2,175148E+22	1,898738E+22	1,706683E+22	1,706680E+22	1,898736E+22	2,175168E+22
-1189	2,411444E+22	2,544215E+22	2,588372E+22	2,588348E+22	2,544138E+22	2,411353E+22	2,175116E+22	1,898726E+22	1,706695E+22	1,706705E+22	1,898747E+22	2,175127E+22
-1188	2,411344E+22	2,544090E+22	2,588238E+22	2,588248E+22	2,544096E+22	2,411351E+22	2,175138E+22	1,898762E+22	1,706723E+22	1,706706E+22	1,898718E+22	2,175093E+22
-1187	2,411356E+22	2,544191E+22	2,588393E+22	2,588371E+22	2,544161E+22	2,411366E+22	2,175119E+22	1,898737E+22	1,706719E+22	1,706727E+22	1,898759E+22	2,175154E+22
-1186	2,411398E+22	2,544178E+22	2,588361E+22	2,588344E+22	2,544137E+22	2,411357E+22	2,175125E+22	1,898743E+22	1,706717E+22	1,706719E+22	1,898736E+22	2,175086E+22
-1185	2,411283E+22	2,544033E+22	2,588239E+22	2,588313E+22	2,544166E+22	2,411383E+22	2,175140E+22	1,898749E+22	1,706706E+22	1,706693E+22	1,898717E+22	2,175104E+22
-1184	2,411369E+22	2,544191E+22	2,588379E+22	2,588382E+22	2,544198E+22	2,411395E+22	2,175118E+22	1,898702E+22	1,706661E+22	1,706674E+22	1,898746E+22	2,175163E+22
-1183	2,411372E+22	2,544105E+22	2,588253E+22	2,588245E+22	2,544099E+22	2,411367E+22	2,175141E+22	1,898729E+22	1,706662E+22	1,706644E+22	1,898677E+22	2,175072E+22
-1182	2,411308E+22	2,544079E+22	2,588274E+22	2,588289E+22	2,544114E+22	2,411360E+22	2,175138E+22	1,898723E+22	1,706647E+22	1,706625E+22	1,898669E+22	2,175102E+22
-1181	2,411410E+22	2,544226E+22	2,588393E+22	2,588372E+22	2,544150E+22	2,411335E+22	2,175071E+22	1,898660E+22	1,706615E+22	1,706630E+22	1,898695E+22	2,175096E+22
-1180	2,411322E+22	2,544091E+22	2,588243E+22	2,588250E+22	2,544104E+22	2,411338E+22	2,175078E+22	1,898656E+22	1,706595E+22	1,706594E+22	1,898652E+22	2,175063E+22
-1179	2,411315E+22	2,544132E+22	2,588347E+22	2,588351E+22	2,544166E+22	2,411367E+22	2,175077E+22	1,898633E+22	1,706573E+22	1,706586E+22	1,898671E+22	2,175136E+22
-1178	2,411418E+22	2,544183E+22	2,588348E+22	2,588343E+22	2,544149E+22	2,411358E+22	2,175085E+22	1,898642E+22	1,706569E+22	1,706577E+22	1,898652E+22	2,175077E+22
-1177	2,411323E+22	2,544062E+22	2,588214E+22	2,588269E+22	2,544138E+22	2,411368E+22	2,175111E+22	1,898677E+22	1,706592E+22	1,706569E+22	1,898623E+22	2,175053E+22
-1176	2,411353E+22	2,544204E+22	2,588393E+22	2,588373E+22	2,544180E+22	2,411381E+22	2,175103E+22	1,898670E+22	1,706604E+22	1,706605E+22	1,898682E+22	2,175126E+22
-1175	2,411372E+22	2,544141E+22	2,588310E+22	2,588288E+22	2,544105E+22	2,411348E+22	2,175116E+22	1,898710E+22	1,706655E+22	1,706648E+22	1,898677E+22	2,175055E+22
-1174	2,411277E+22	2,544045E+22	2,588255E+22	2,588295E+22	2,544128E+22	2,411365E+22	2,175139E+22	1,898741E+22	1,706692E+22	1,706680E+22	1,898708E+22	2,175100E+22
-1173	2,411370E+22	2,544187E+22	2,588376E+22	2,588382E+22	2,544182E+22	2,411371E+22	2,175107E+22	1,898716E+22	1,706700E+22	1,706726E+22	1,898780E+22	2,175160E+22
-1172	2,411354E+22	2,544088E+22	2,588227E+22	2,588229E+22	2,544089E+22	2,411350E+22	2,175132E+22	1,898756E+22	1,706731E+22	1,706729E+22	1,898749E+22	2,175114E+22
-1171	2,411328E+22	2,544106E+22	2,588301E+22	2,588303E+22	2,544123E+22	2,411362E+22	2,175144E+22	1,898778E+22	1,706761E+22	1,706753E+22	1,898769E+22	2,175167E+22
-1170	2,411431E+22	2,544214E+22	2,588381E+22	2,588349E+22	2,544123E+22	2,411339E+22	2,175131E+22	1,898781E+22	1,706777E+22	1,706783E+22	1,898790E+22	2,175130E+22
-1169	2,411326E+22	2,544075E+22	2,588243E+22	2,588271E+22	2,544107E+22	2,411339E+22	2,175140E+22	1,898801E+22	1,706791E+22	1,706775E+22	1,898759E+22	2,175091E+22
-1168	2,411313E+22	2,544151E+22	2,588387E+22	2,588389E+22	2,544184E+22	2,411381E+22	2,175135E+22	1,898773E+22	1,706774E+22	1,706783E+22	1,898808E+22	2,175186E+22
-1167	2,411386E+22	2,544130E+22	2,588311E+22	2,588312E+22	2,544129E+22	2,411362E+22	2,175142E+22	1,898777E+22	1,706771E+22	1,706779E+22	1,898782E+22	2,175114E+22
-1166	2,411297E+22	2,544030E+22	2,588208E+22	2,588255E+22	2,544120E+22	2,411380E+22	2,175175E+22	1,898799E+22	1,706760E+22	1,706740E+22	1,898744E+22	2,175111E+22
-1165	2,411363E+22	2,544184E+22	2,588371E+22	2,588357E+22	2,544167E+22	2,411379E+22	2,175135E+22	1,898755E+22	1,706731E+22	1,706733E+22	1,898771E+22	2,175160E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411371E+22	2,544119E+22	2,588264E+22	2,588236E+22	2,544064E+22	2,411325E+22	2,175122E+22	1,898754E+22	1,706721E+22	1,706705E+22	1,898711E+22	2,175076E+22
-1163	2,411298E+22	2,544079E+22	2,588291E+22	2,588307E+22	2,544115E+22	2,411335E+22	2,175109E+22	1,898735E+22	1,706705E+22	1,706693E+22	1,898713E+22	2,175111E+22
-1162	2,411389E+22	2,544196E+22	2,588379E+22	2,588373E+22	2,544161E+22	2,411344E+22	2,175081E+22	1,898687E+22	1,706663E+22	1,706687E+22	1,898744E+22	2,175123E+22
-1161	2,411323E+22	2,544069E+22	2,588226E+22	2,588252E+22	2,544116E+22	2,411350E+22	2,175100E+22	1,898690E+22	1,706638E+22	1,706634E+22	1,898678E+22	2,175074E+22
-1160	2,411309E+22	2,544121E+22	2,588341E+22	2,588351E+22	2,544173E+22	2,411385E+22	2,175113E+22	1,898687E+22	1,706628E+22	1,706626E+22	1,898695E+22	2,175152E+22
-1159	2,411420E+22	2,544172E+22	2,588325E+22	2,588309E+22	2,544123E+22	2,411351E+22	2,175108E+22	1,898700E+22	1,706650E+22	1,706649E+22	1,898686E+22	2,175076E+22
-1158	2,411315E+22	2,544068E+22	2,588220E+22	2,588241E+22	2,544096E+22	2,411354E+22	2,175141E+22	1,898743E+22	1,706682E+22	1,706655E+22	1,898670E+22	2,175050E+22
-1157	2,411314E+22	2,544167E+22	2,588387E+22	2,588379E+22	2,544175E+22	2,411367E+22	2,175112E+22	1,898726E+22	1,706699E+22	1,706704E+22	1,898747E+22	2,175142E+22
-1156	2,411356E+22	2,544116E+22	2,588285E+22	2,588271E+22	2,544092E+22	2,411330E+22	2,175108E+22	1,898739E+22	1,706725E+22	1,706733E+22	1,898748E+22	2,175098E+22
-1155	2,411287E+22	2,544035E+22	2,588240E+22	2,588279E+22	2,544114E+22	2,411351E+22	2,175134E+22	1,898772E+22	1,706759E+22	1,706755E+22	1,898763E+22	2,175134E+22
-1154	2,411384E+22	2,544178E+22	2,588353E+22	2,588348E+22	2,544152E+22	2,411361E+22	2,175129E+22	1,898768E+22	1,706769E+22	1,706789E+22	1,898820E+22	2,175180E+22
-1153	2,411368E+22	2,544100E+22	2,588237E+22	2,588228E+22	2,544071E+22	2,411331E+22	2,175142E+22	1,898804E+22	1,706800E+22	1,706788E+22	1,898771E+22	2,175104E+22
-1152	2,411308E+22	2,544110E+22	2,588335E+22	2,588333E+22	2,544130E+22	2,411354E+22	2,175153E+22	1,898823E+22	1,706829E+22	1,706817E+22	1,898806E+22	2,175169E+22
-1151	2,411403E+22	2,544180E+22	2,588363E+22	2,588350E+22	2,544131E+22	2,411338E+22	2,175135E+22	1,898818E+22	1,706850E+22	1,706863E+22	1,898843E+22	2,175140E+22
-1150	2,411306E+22	2,544051E+22	2,588225E+22	2,588249E+22	2,544102E+22	2,411361E+22	2,175177E+22	1,898846E+22	1,706853E+22	1,706841E+22	1,898808E+22	2,175107E+22
-1149	2,411288E+22	2,544102E+22	2,588355E+22	2,588374E+22	2,544181E+22	2,411394E+22	2,175172E+22	1,898830E+22	1,706841E+22	1,706845E+22	1,898847E+22	2,175201E+22
-1148	2,411394E+22	2,544123E+22	2,588280E+22	2,588272E+22	2,544095E+22	2,411345E+22	2,175152E+22	1,898818E+22	1,706830E+22	1,706835E+22	1,898817E+22	2,175131E+22
-1147	2,411311E+22	2,544045E+22	2,588211E+22	2,588230E+22	2,544081E+22	2,411348E+22	2,175166E+22	1,898833E+22	1,706830E+22	1,706805E+22	1,898776E+22	2,175111E+22
-1146	2,411352E+22	2,544176E+22	2,588371E+22	2,588343E+22	2,544136E+22	2,411351E+22	2,175137E+22	1,898794E+22	1,706797E+22	1,706803E+22	1,898815E+22	2,175170E+22
-1145	2,411362E+22	2,544104E+22	2,588272E+22	2,588257E+22	2,544069E+22	2,411305E+22	2,175107E+22	1,898771E+22	1,706769E+22	1,706763E+22	1,898752E+22	2,175086E+22
-1144	2,411281E+22	2,544056E+22	2,588292E+22	2,588325E+22	2,544137E+22	2,411347E+22	2,175114E+22	1,898751E+22	1,706737E+22	1,706735E+22	1,898755E+22	2,175143E+22
-1143	2,411392E+22	2,544168E+22	2,588342E+22	2,588347E+22	2,544155E+22	2,411352E+22	2,175100E+22	1,898720E+22	1,706709E+22	1,706734E+22	1,898776E+22	2,175142E+22
-1142	2,411340E+22	2,544080E+22	2,588218E+22	2,588211E+22	2,544083E+22	2,411358E+22	2,175143E+22	1,898747E+22	1,706697E+22	1,706680E+22	1,898696E+22	2,175067E+22
-1141	2,411291E+22	2,544106E+22	2,588344E+22	2,588344E+22	2,544155E+22	2,411380E+22	2,175143E+22	1,898756E+22	1,706715E+22	1,706698E+22	1,898719E+22	2,175132E+22
-1140	2,411401E+22	2,544171E+22	2,588331E+22	2,588306E+22	2,544101E+22	2,411324E+22	2,175105E+22	1,898743E+22	1,706732E+22	1,706736E+22	1,898738E+22	2,175081E+22
-1139	2,411294E+22	2,544050E+22	2,588221E+22	2,588243E+22	2,544091E+22	2,411333E+22	2,175126E+22	1,898776E+22	1,706766E+22	1,706749E+22	1,898735E+22	2,175068E+22
-1138	2,411292E+22	2,544123E+22	2,588355E+22	2,588359E+22	2,544170E+22	2,411374E+22	2,175132E+22	1,898771E+22	1,706772E+22	1,706788E+22	1,898817E+22	2,175184E+22
-1137	2,411367E+22	2,544092E+22	2,588264E+22	2,588263E+22	2,544082E+22	2,411322E+22	2,175120E+22	1,898779E+22	1,706786E+22	1,706795E+22	1,898793E+22	2,175123E+22
-1136	2,411297E+22	2,544032E+22	2,588236E+22	2,588272E+22	2,544107E+22	2,411350E+22	2,175154E+22	1,898819E+22	1,706819E+22	1,706809E+22	1,898802E+22	2,175157E+22
-1135	2,411393E+22	2,544177E+22	2,588344E+22	2,588323E+22	2,544124E+22	2,411346E+22	2,175142E+22	1,898821E+22	1,706850E+22	1,706866E+22	1,898862E+22	2,175183E+22
-1134	2,411363E+22	2,544110E+22	2,588257E+22	2,588218E+22	2,544044E+22	2,411322E+22	2,175165E+22	1,898858E+22	1,706880E+22	1,706866E+22	1,898815E+22	2,175098E+22
-1133	2,411268E+22	2,544070E+22	2,588332E+22	2,588352E+22	2,544145E+22	2,411360E+22	2,175170E+22	1,898874E+22	1,706911E+22	1,706901E+22	1,898856E+22	2,175173E+22
-1132	2,411386E+22	2,544153E+22	2,588335E+22	2,588333E+22	2,544127E+22	2,411339E+22	2,175141E+22	1,898847E+22	1,706908E+22	1,706932E+22	1,898898E+22	2,175169E+22
-1131	2,411310E+22	2,544035E+22	2,588202E+22	2,588222E+22	2,544081E+22	2,411352E+22	2,175185E+22	1,898885E+22	1,706916E+22	1,706900E+22	1,898846E+22	2,175126E+22
-1130	2,411293E+22	2,544084E+22	2,588321E+22	2,588332E+22	2,544146E+22	2,411385E+22	2,175198E+22	1,898886E+22	1,706909E+22	1,706902E+22	1,898879E+22	2,175212E+22
-1129	2,411400E+22	2,544124E+22	2,588287E+22	2,588267E+22	2,544064E+22	2,411313E+22	2,175152E+22	1,898858E+22	1,706891E+22	1,706889E+22	1,898841E+22	2,175124E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411296E+22	2,544044E+22	2,588237E+22	2,588255E+22	2,544081E+22	2,411331E+22	2,175160E+22	1,898858E+22	1,706878E+22	1,706860E+22	1,898818E+22	2,175123E+22
-1127	2,411337E+22	2,544152E+22	2,588356E+22	2,588340E+22	2,544135E+22	2,411343E+22	2,175131E+22	1,898813E+22	1,706849E+22	1,706868E+22	1,898866E+22	2,175188E+22
-1126	2,411356E+22	2,544096E+22	2,588268E+22	2,588242E+22	2,544063E+22	2,411325E+22	2,175135E+22	1,898800E+22	1,706811E+22	1,706810E+22	1,898789E+22	2,175100E+22
-1125	2,411269E+22	2,544026E+22	2,588276E+22	2,588325E+22	2,544145E+22	2,411366E+22	2,175149E+22	1,898802E+22	1,706796E+22	1,706783E+22	1,898776E+22	2,175143E+22
-1124	2,411400E+22	2,544169E+22	2,588321E+22	2,588317E+22	2,544132E+22	2,411346E+22	2,175116E+22	1,898764E+22	1,706772E+22	1,706789E+22	1,898802E+22	2,175144E+22
-1123	2,411341E+22	2,544089E+22	2,588229E+22	2,588201E+22	2,544053E+22	2,411334E+22	2,175147E+22	1,898799E+22	1,706783E+22	1,706756E+22	1,898733E+22	2,175061E+22
-1122	2,411265E+22	2,544075E+22	2,588330E+22	2,588334E+22	2,544131E+22	2,411360E+22	2,175155E+22	1,898811E+22	1,706802E+22	1,706788E+22	1,898781E+22	2,175143E+22
-1121	2,411373E+22	2,544129E+22	2,588319E+22	2,588316E+22	2,544098E+22	2,411307E+22	2,175099E+22	1,898774E+22	1,706800E+22	1,706817E+22	1,898803E+22	2,175107E+22
-1120	2,411282E+22	2,544021E+22	2,588206E+22	2,588244E+22	2,544095E+22	2,411338E+22	2,175133E+22	1,898800E+22	1,706812E+22	1,706813E+22	1,898800E+22	2,175115E+22
-1119	2,411308E+22	2,544103E+22	2,588310E+22	2,588313E+22	2,544137E+22	2,411365E+22	2,175147E+22	1,898812E+22	1,706834E+22	1,706853E+22	1,898865E+22	2,175214E+22
-1118	2,411396E+22	2,544116E+22	2,588263E+22	2,588224E+22	2,544043E+22	2,411319E+22	2,175150E+22	1,898833E+22	1,706854E+22	1,706853E+22	1,898822E+22	2,175123E+22
-1117	2,411290E+22	2,544034E+22	2,588254E+22	2,588281E+22	2,544095E+22	2,411340E+22	2,175174E+22	1,898881E+22	1,706906E+22	1,706883E+22	1,898826E+22	2,175139E+22
-1116	2,411379E+22	2,544179E+22	2,588355E+22	2,588332E+22	2,544115E+22	2,411327E+22	2,175142E+22	1,898862E+22	1,706927E+22	1,706947E+22	1,898910E+22	2,175185E+22
-1115	2,411340E+22	2,544093E+22	2,588264E+22	2,588234E+22	2,544051E+22	2,411317E+22	2,175167E+22	1,898900E+22	1,706959E+22	1,706948E+22	1,898870E+22	2,175109E+22
-1114	2,411240E+22	2,544019E+22	2,588294E+22	2,588336E+22	2,544145E+22	2,411379E+22	2,175207E+22	1,898929E+22	1,706983E+22	1,706976E+22	1,898913E+22	2,175196E+22
-1113	2,411378E+22	2,544121E+22	2,588310E+22	2,588322E+22	2,544115E+22	2,411337E+22	2,175164E+22	1,898895E+22	1,706970E+22	1,706990E+22	1,898936E+22	2,175186E+22
-1112	2,411315E+22	2,544031E+22	2,588192E+22	2,588206E+22	2,544063E+22	2,411347E+22	2,175202E+22	1,898930E+22	1,706974E+22	1,706956E+22	1,898886E+22	2,175142E+22
-1111	2,411297E+22	2,544082E+22	2,588305E+22	2,588297E+22	2,544100E+22	2,411355E+22	2,175203E+22	1,898932E+22	1,706983E+22	1,706976E+22	1,898924E+22	2,175220E+22
-1110	2,411397E+22	2,544134E+22	2,588300E+22	2,588259E+22	2,544037E+22	2,411294E+22	2,175155E+22	1,898892E+22	1,706954E+22	1,706956E+22	1,898888E+22	2,175130E+22
-1109	2,411268E+22	2,544012E+22	2,588234E+22	2,588278E+22	2,544097E+22	2,411331E+22	2,175162E+22	1,898886E+22	1,706933E+22	1,706923E+22	1,898860E+22	2,175136E+22
-1108	2,411337E+22	2,544140E+22	2,588335E+22	2,588328E+22	2,544131E+22	2,411345E+22	2,175134E+22	1,898827E+22	1,706883E+22	1,706915E+22	1,898908E+22	2,175215E+22
-1107	2,411369E+22	2,544097E+22	2,588259E+22	2,588227E+22	2,544045E+22	2,411317E+22	2,175146E+22	1,898835E+22	1,706860E+22	1,706850E+22	1,898810E+22	2,175104E+22
-1106	2,411267E+22	2,544014E+22	2,588253E+22	2,588298E+22	2,544121E+22	2,411367E+22	2,175182E+22	1,898860E+22	1,706863E+22	1,706838E+22	1,898800E+22	2,175134E+22
-1105	2,411382E+22	2,544160E+22	2,588333E+22	2,588327E+22	2,544112E+22	2,411323E+22	2,175122E+22	1,898808E+22	1,706840E+22	1,706850E+22	1,898829E+22	2,175131E+22
-1104	2,411312E+22	2,544069E+22	2,588234E+22	2,588221E+22	2,544056E+22	2,411324E+22	2,175149E+22	1,898833E+22	1,706844E+22	1,706829E+22	1,898791E+22	2,175077E+22
-1103	2,411242E+22	2,544036E+22	2,588291E+22	2,588312E+22	2,544119E+22	2,411355E+22	2,175164E+22	1,898848E+22	1,706872E+22	1,706871E+22	1,898850E+22	2,175177E+22
-1102	2,411375E+22	2,544115E+22	2,588295E+22	2,588283E+22	2,544077E+22	2,411316E+22	2,175127E+22	1,898816E+22	1,706859E+22	1,706881E+22	1,898858E+22	2,175138E+22
-1101	2,411284E+22	2,544001E+22	2,588186E+22	2,588234E+22	2,544087E+22	2,411342E+22	2,175161E+22	1,898856E+22	1,706883E+22	1,706875E+22	1,898832E+22	2,175128E+22
-1100	2,411333E+22	2,544124E+22	2,588302E+22	2,588284E+22	2,544102E+22	2,411344E+22	2,175155E+22	1,898856E+22	1,706905E+22	1,706920E+22	1,898903E+22	2,175221E+22
-1099	2,411400E+22	2,544139E+22	2,588292E+22	2,588229E+22	2,544015E+22	2,411286E+22	2,175151E+22	1,898887E+22	1,706943E+22	1,706932E+22	1,898860E+22	2,175115E+22
-1098	2,411261E+22	2,544010E+22	2,588253E+22	2,588293E+22	2,544093E+22	2,411333E+22	2,175192E+22	1,898940E+22	1,706996E+22	1,706974E+22	1,898885E+22	2,175142E+22
-1097	2,411339E+22	2,544137E+22	2,588348E+22	2,588354E+22	2,544128E+22	2,411327E+22	2,175150E+22	1,898900E+22	1,706997E+22	1,707024E+22	1,898966E+22	2,175204E+22
-1096	2,411322E+22	2,544058E+22	2,588241E+22	2,588235E+22	2,544061E+22	2,411335E+22	2,175194E+22	1,898938E+22	1,707011E+22	1,707012E+22	1,898931E+22	2,175145E+22
-1095	2,411245E+22	2,543992E+22	2,588239E+22	2,588283E+22	2,544108E+22	2,411373E+22	2,175235E+22	1,898985E+22	1,707053E+22	1,707043E+22	1,898961E+22	2,175220E+22
-1094	2,411391E+22	2,544133E+22	2,588298E+22	2,588278E+22	2,544071E+22	2,411328E+22	2,175190E+22	1,898950E+22	1,707040E+22	1,707051E+22	1,898969E+22	2,175190E+22
-1093	2,411305E+22	2,544030E+22	2,588204E+22	2,588213E+22	2,544046E+22	2,411325E+22	2,175208E+22	1,898977E+22	1,707050E+22	1,707026E+22	1,898915E+22	2,175137E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411292E+22	2,544085E+22	2,588305E+22	2,588296E+22	2,544083E+22	2,411325E+22	2,175184E+22	1,898949E+22	1,707038E+22	1,707044E+22	1,898974E+22	2,175234E+22
-1091	2,411388E+22	2,544129E+22	2,588308E+22	2,588275E+22	2,544041E+22	2,411281E+22	2,175146E+22	1,898914E+22	1,707005E+22	1,707011E+22	1,898930E+22	2,175148E+22
-1090	2,411256E+22	2,543982E+22	2,588207E+22	2,588270E+22	2,544100E+22	2,411345E+22	2,175190E+22	1,898924E+22	1,706980E+22	1,706968E+22	1,898895E+22	2,175151E+22
-1089	2,411327E+22	2,544116E+22	2,588320E+22	2,588327E+22	2,544126E+22	2,411347E+22	2,175155E+22	1,898866E+22	1,706927E+22	1,706948E+22	1,898923E+22	2,175216E+22
-1088	2,411366E+22	2,544097E+22	2,588258E+22	2,588224E+22	2,544039E+22	2,411321E+22	2,175170E+22	1,898877E+22	1,706910E+22	1,706898E+22	1,898839E+22	2,175104E+22
-1087	2,411252E+22	2,544001E+22	2,588229E+22	2,588265E+22	2,544081E+22	2,411344E+22	2,175197E+22	1,898914E+22	1,706943E+22	1,706916E+22	1,898846E+22	2,175136E+22
-1086	2,411357E+22	2,544147E+22	2,588325E+22	2,588313E+22	2,544094E+22	2,411313E+22	2,175131E+22	1,898852E+22	1,706913E+22	1,706929E+22	1,898886E+22	2,175145E+22
-1085	2,411284E+22	2,544031E+22	2,588213E+22	2,588225E+22	2,544062E+22	2,411322E+22	2,175155E+22	1,898870E+22	1,706914E+22	1,706905E+22	1,898844E+22	2,175105E+22
-1084	2,411254E+22	2,544026E+22	2,588256E+22	2,588277E+22	2,544089E+22	2,411337E+22	2,175165E+22	1,898874E+22	1,706924E+22	1,706934E+22	1,898905E+22	2,175216E+22
-1083	2,411399E+22	2,544130E+22	2,588293E+22	2,588264E+22	2,544043E+22	2,411288E+22	2,175133E+22	1,898864E+22	1,706925E+22	1,706935E+22	1,898889E+22	2,175152E+22
-1082	2,411290E+22	2,544007E+22	2,588184E+22	2,588221E+22	2,544062E+22	2,411329E+22	2,175185E+22	1,898917E+22	1,706963E+22	1,706943E+22	1,898864E+22	2,175122E+22
-1081	2,411311E+22	2,544123E+22	2,588332E+22	2,588314E+22	2,544094E+22	2,411323E+22	2,175160E+22	1,898902E+22	1,706981E+22	1,706991E+22	1,898937E+22	2,175211E+22
-1080	2,411369E+22	2,544123E+22	2,588307E+22	2,588267E+22	2,544041E+22	2,411293E+22	2,175162E+22	1,898925E+22	1,707010E+22	1,707014E+22	1,898922E+22	2,175126E+22
-1079	2,411230E+22	2,543968E+22	2,588214E+22	2,588275E+22	2,544094E+22	2,411347E+22	2,175220E+22	1,898993E+22	1,707078E+22	1,707064E+22	1,898955E+22	2,175171E+22
-1078	2,411325E+22	2,544108E+22	2,588314E+22	2,588324E+22	2,544120E+22	2,411349E+22	2,175190E+22	1,898959E+22	1,707070E+22	1,707095E+22	1,899019E+22	2,175231E+22
-1077	2,411317E+22	2,544029E+22	2,588207E+22	2,588215E+22	2,544051E+22	2,411339E+22	2,175228E+22	1,899006E+22	1,707095E+22	1,707082E+22	1,898966E+22	2,175163E+22
-1076	2,411268E+22	2,544005E+22	2,588218E+22	2,588238E+22	2,544058E+22	2,411341E+22	2,175240E+22	1,899031E+22	1,707128E+22	1,707116E+22	1,899008E+22	2,175238E+22
-1075	2,411397E+22	2,544152E+22	2,588318E+22	2,588271E+22	2,544027E+22	2,411276E+22	2,175178E+22	1,898993E+22	1,707116E+22	1,707121E+22	1,899011E+22	2,175195E+22
-1074	2,411284E+22	2,544011E+22	2,588201E+22	2,588221E+22	2,544042E+22	2,411308E+22	2,175206E+22	1,899009E+22	1,707113E+22	1,707097E+22	1,898968E+22	2,175151E+22
-1073	2,411268E+22	2,544060E+22	2,588309E+22	2,588317E+22	2,544094E+22	2,411319E+22	2,175174E+22	1,898958E+22	1,707073E+22	1,707089E+22	1,899010E+22	2,175254E+22
-1072	2,411385E+22	2,544112E+22	2,588295E+22	2,588279E+22	2,544056E+22	2,411298E+22	2,175163E+22	1,898930E+22	1,707028E+22	1,707044E+22	1,898961E+22	2,175166E+22
-1071	2,411260E+22	2,543970E+22	2,588168E+22	2,588229E+22	2,544075E+22	2,411346E+22	2,175220E+22	1,898975E+22	1,707036E+22	1,707012E+22	1,898917E+22	2,175154E+22
-1070	2,411322E+22	2,544122E+22	2,588315E+22	2,588298E+22	2,544100E+22	2,411345E+22	2,175182E+22	1,898922E+22	1,706994E+22	1,706998E+22	1,898938E+22	2,175199E+22
-1069	2,411335E+22	2,544080E+22	2,588262E+22	2,588235E+22	2,544034E+22	2,411309E+22	2,175185E+22	1,898933E+22	1,706991E+22	1,706969E+22	1,898868E+22	2,175097E+22
-1068	2,411237E+22	2,543988E+22	2,588211E+22	2,588249E+22	2,544062E+22	2,411319E+22	2,175187E+22	1,898942E+22	1,707008E+22	1,706995E+22	1,898909E+22	2,175160E+22
-1067	2,411344E+22	2,544130E+22	2,588316E+22	2,588305E+22	2,544079E+22	2,411292E+22	2,175131E+22	1,898888E+22	1,706977E+22	1,706996E+22	1,898941E+22	2,175177E+22
-1066	2,411280E+22	2,544004E+22	2,588183E+22	2,588207E+22	2,544053E+22	2,411323E+22	2,175177E+22	1,898916E+22	1,706976E+22	1,706969E+22	1,898894E+22	2,175133E+22
-1065	2,411258E+22	2,544022E+22	2,588255E+22	2,588273E+22	2,544074E+22	2,411321E+22	2,175171E+22	1,898913E+22	1,706983E+22	1,706985E+22	1,898933E+22	2,175228E+22
-1064	2,411407E+22	2,544146E+22	2,588308E+22	2,588271E+22	2,544039E+22	2,411284E+22	2,175149E+22	1,898905E+22	1,706988E+22	1,707001E+22	1,898930E+22	2,175155E+22
-1063	2,411276E+22	2,544002E+22	2,588180E+22	2,588212E+22	2,544039E+22	2,411312E+22	2,175203E+22	1,898978E+22	1,707054E+22	1,707032E+22	1,898919E+22	2,175126E+22
-1062	2,411278E+22	2,544098E+22	2,588326E+22	2,588317E+22	2,544104E+22	2,411332E+22	2,175178E+22	1,898955E+22	1,707065E+22	1,707077E+22	1,898995E+22	2,175224E+22
-1061	2,411336E+22	2,544078E+22	2,588281E+22	2,588273E+22	2,544062E+22	2,411314E+22	2,175191E+22	1,898978E+22	1,707092E+22	1,707097E+22	1,898977E+22	2,175156E+22
-1060	2,411240E+22	2,543950E+22	2,588162E+22	2,588221E+22	2,544061E+22	2,411339E+22	2,175238E+22	1,899038E+22	1,707145E+22	1,707137E+22	1,899014E+22	2,175209E+22
-1059	2,411342E+22	2,544111E+22	2,588299E+22	2,588288E+22	2,544074E+22	2,411316E+22	2,175205E+22	1,899021E+22	1,707148E+22	1,707157E+22	1,899054E+22	2,175247E+22
-1058	2,411323E+22	2,544032E+22	2,588201E+22	2,588192E+22	2,544013E+22	2,411310E+22	2,175238E+22	1,899061E+22	1,707176E+22	1,707155E+22	1,899003E+22	2,175164E+22
-1057	2,411249E+22	2,544003E+22	2,588245E+22	2,588255E+22	2,544037E+22	2,411300E+22	2,175222E+22	1,899059E+22	1,707189E+22	1,707179E+22	1,899044E+22	2,175240E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411379E+22	2,544144E+22	2,588334E+22	2,588302E+22	2,544049E+22	2,411276E+22	2,175173E+22	1,899005E+22	1,707157E+22	1,707183E+22	1,899063E+22	2,175210E+22
-1055	2,411266E+22	2,543985E+22	2,588177E+22	2,588206E+22	2,544040E+22	2,411317E+22	2,175224E+22	1,899043E+22	1,707164E+22	1,707154E+22	1,899013E+22	2,175172E+22
-1054	2,411260E+22	2,544042E+22	2,588287E+22	2,588299E+22	2,544099E+22	2,411344E+22	2,175208E+22	1,899001E+22	1,707121E+22	1,707127E+22	1,899030E+22	2,175260E+22
-1053	2,411378E+22	2,544094E+22	2,588276E+22	2,588271E+22	2,544061E+22	2,411312E+22	2,175197E+22	1,898988E+22	1,707094E+22	1,707091E+22	1,898970E+22	2,175161E+22
-1052	2,411267E+22	2,543977E+22	2,588150E+22	2,588187E+22	2,544033E+22	2,411323E+22	2,175229E+22	1,899022E+22	1,707107E+22	1,707079E+22	1,898953E+22	2,175155E+22
-1051	2,411303E+22	2,544116E+22	2,588325E+22	2,588295E+22	2,544066E+22	2,411301E+22	2,175179E+22	1,898974E+22	1,707074E+22	1,707072E+22	1,898981E+22	2,175203E+22
-1050	2,411302E+22	2,544041E+22	2,588243E+22	2,588232E+22	2,544031E+22	2,411295E+22	2,175184E+22	1,898971E+22	1,707064E+22	1,707052E+22	1,898932E+22	2,175123E+22
-1049	2,411215E+22	2,543956E+22	2,588201E+22	2,588248E+22	2,544056E+22	2,411305E+22	2,175178E+22	1,898956E+22	1,707052E+22	1,707053E+22	1,898962E+22	2,175199E+22
-1048	2,411358E+22	2,544122E+22	2,588302E+22	2,588294E+22	2,544076E+22	2,411296E+22	2,175143E+22	1,898906E+22	1,707012E+22	1,707046E+22	1,898986E+22	2,175206E+22
-1047	2,411297E+22	2,544008E+22	2,588162E+22	2,588169E+22	2,544021E+22	2,411313E+22	2,175199E+22	1,898967E+22	1,707043E+22	1,707028E+22	1,898927E+22	2,175144E+22
-1046	2,411262E+22	2,544038E+22	2,588267E+22	2,588265E+22	2,544063E+22	2,411319E+22	2,175189E+22	1,898966E+22	1,707057E+22	1,707047E+22	1,898955E+22	2,175216E+22
-1045	2,411381E+22	2,544131E+22	2,588319E+22	2,588298E+22	2,544057E+22	2,411286E+22	2,175168E+22	1,898964E+22	1,707076E+22	1,707080E+22	1,898963E+22	2,175151E+22
-1044	2,411260E+22	2,543984E+22	2,588165E+22	2,588201E+22	2,544036E+22	2,411308E+22	2,175212E+22	1,899023E+22	1,707134E+22	1,707123E+22	1,898987E+22	2,175152E+22
-1043	2,411258E+22	2,544067E+22	2,588310E+22	2,588306E+22	2,544089E+22	2,411323E+22	2,175202E+22	1,899016E+22	1,707144E+22	1,707153E+22	1,899049E+22	2,175248E+22
-1042	2,411323E+22	2,544039E+22	2,588240E+22	2,588243E+22	2,544047E+22	2,411319E+22	2,175226E+22	1,899044E+22	1,707175E+22	1,707176E+22	1,899031E+22	2,175181E+22
-1041	2,411239E+22	2,543943E+22	2,588156E+22	2,588197E+22	2,544027E+22	2,411315E+22	2,175244E+22	1,899084E+22	1,707216E+22	1,707202E+22	1,899052E+22	2,175225E+22
-1040	2,411351E+22	2,544123E+22	2,588308E+22	2,588277E+22	2,544048E+22	2,411295E+22	2,175208E+22	1,899055E+22	1,707213E+22	1,707232E+22	1,899101E+22	2,175253E+22
-1039	2,411313E+22	2,544027E+22	2,588202E+22	2,588182E+22	2,543985E+22	2,411280E+22	2,175237E+22	1,899105E+22	1,707255E+22	1,707238E+22	1,899059E+22	2,175178E+22
-1038	2,411231E+22	2,543987E+22	2,588243E+22	2,588266E+22	2,544052E+22	2,411301E+22	2,175218E+22	1,899084E+22	1,707247E+22	1,707244E+22	1,899088E+22	2,175254E+22
-1037	2,411361E+22	2,544110E+22	2,588318E+22	2,588313E+22	2,544077E+22	2,411299E+22	2,175194E+22	1,899040E+22	1,707208E+22	1,707233E+22	1,899092E+22	2,175230E+22
-1036	2,411281E+22	2,543976E+22	2,588147E+22	2,588168E+22	2,544018E+22	2,411316E+22	2,175243E+22	1,899078E+22	1,707211E+22	1,707201E+22	1,899046E+22	2,175190E+22
-1035	2,411264E+22	2,544041E+22	2,588282E+22	2,588276E+22	2,544064E+22	2,411323E+22	2,175231E+22	1,899061E+22	1,707186E+22	1,707172E+22	1,899041E+22	2,175249E+22
-1034	2,411359E+22	2,544082E+22	2,588272E+22	2,588259E+22	2,544041E+22	2,411301E+22	2,175214E+22	1,899043E+22	1,707172E+22	1,707161E+22	1,899002E+22	2,175150E+22
-1033	2,411233E+22	2,543961E+22	2,588166E+22	2,588194E+22	2,544018E+22	2,411293E+22	2,175215E+22	1,899047E+22	1,707168E+22	1,707147E+22	1,898996E+22	2,175163E+22
-1032	2,411285E+22	2,544091E+22	2,588318E+22	2,588303E+22	2,544079E+22	2,411303E+22	2,175175E+22	1,898985E+22	1,707119E+22	1,707142E+22	1,899043E+22	2,175231E+22
-1031	2,411296E+22	2,544011E+22	2,588209E+22	2,588203E+22	2,544015E+22	2,411294E+22	2,175200E+22	1,899006E+22	1,707120E+22	1,707118E+22	1,898990E+22	2,175162E+22
-1030	2,411227E+22	2,543942E+22	2,588178E+22	2,588227E+22	2,544053E+22	2,411313E+22	2,175197E+22	1,898996E+22	1,707105E+22	1,707099E+22	1,898991E+22	2,175217E+22
-1029	2,411370E+22	2,544124E+22	2,588299E+22	2,588287E+22	2,544075E+22	2,411303E+22	2,175170E+22	1,898962E+22	1,707082E+22	1,707099E+22	1,899003E+22	2,175210E+22
-1028	2,411314E+22	2,544028E+22	2,588167E+22	2,588139E+22	2,543980E+22	2,411287E+22	2,175207E+22	1,899014E+22	1,707119E+22	1,707103E+22	1,898967E+22	2,175144E+22
-1027	2,411242E+22	2,544032E+22	2,588286E+22	2,588275E+22	2,544043E+22	2,411289E+22	2,175197E+22	1,899027E+22	1,707144E+22	1,707127E+22	1,898998E+22	2,175211E+22
-1026	2,411344E+22	2,544090E+22	2,588303E+22	2,588303E+22	2,544069E+22	2,411291E+22	2,175180E+22	1,899013E+22	1,707162E+22	1,707172E+22	1,899027E+22	2,175169E+22
-1025	2,411230E+22	2,543945E+22	2,588148E+22	2,588185E+22	2,544024E+22	2,411303E+22	2,175220E+22	1,899058E+22	1,707198E+22	1,707194E+22	1,899043E+22	2,175187E+22
-1024	2,411267E+22	2,544046E+22	2,588283E+22	2,588282E+22	2,544076E+22	2,411326E+22	2,175223E+22	1,899054E+22	1,707205E+22	1,707224E+22	1,899101E+22	2,175272E+22
-1023	2,411333E+22	2,544035E+22	2,588217E+22	2,588196E+22	2,543998E+22	2,411295E+22	2,175246E+22	1,899108E+22	1,707261E+22	1,707254E+22	1,899077E+22	2,175195E+22
-1022	2,411240E+22	2,543950E+22	2,588164E+22	2,588189E+22	2,544008E+22	2,411295E+22	2,175247E+22	1,899131E+22	1,707294E+22	1,707275E+22	1,899087E+22	2,175222E+22
-1021	2,411333E+22	2,544112E+22	2,588323E+22	2,588301E+22	2,544061E+22	2,411290E+22	2,175212E+22	1,899097E+22	1,707289E+22	1,707306E+22	1,899139E+22	2,175260E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411307E+22	2,544015E+22	2,588194E+22	2,588173E+22	2,543981E+22	2,411275E+22	2,175236E+22	1,899130E+22	1,707313E+22	1,707311E+22	1,899118E+22	2,175203E+22
-1019	2,411223E+22	2,543966E+22	2,588238E+22	2,588266E+22	2,544047E+22	2,411301E+22	2,175242E+22	1,899131E+22	1,707302E+22	1,707294E+22	1,899121E+22	2,175266E+22
-1018	2,411353E+22	2,544081E+22	2,588287E+22	2,588297E+22	2,544079E+22	2,411316E+22	2,175229E+22	1,899095E+22	1,707274E+22	1,707289E+22	1,899123E+22	2,175235E+22
-1017	2,411270E+22	2,543971E+22	2,588148E+22	2,588148E+22	2,543993E+22	2,411305E+22	2,175257E+22	1,899121E+22	1,707270E+22	1,707252E+22	1,899071E+22	2,175192E+22
-1016	2,411259E+22	2,544035E+22	2,588286E+22	2,588268E+22	2,544044E+22	2,411311E+22	2,175240E+22	1,899094E+22	1,707247E+22	1,707242E+22	1,899083E+22	2,175243E+22
-1015	2,411332E+22	2,544055E+22	2,588259E+22	2,588243E+22	2,544014E+22	2,411277E+22	2,175218E+22	1,899086E+22	1,707247E+22	1,707244E+22	1,899064E+22	2,175171E+22
-1014	2,411218E+22	2,543932E+22	2,588145E+22	2,588189E+22	2,544025E+22	2,411293E+22	2,175209E+22	1,899067E+22	1,707219E+22	1,707210E+22	1,899047E+22	2,175191E+22
-1013	2,411287E+22	2,544064E+22	2,588291E+22	2,588289E+22	2,544082E+22	2,411315E+22	2,175192E+22	1,899015E+22	1,707166E+22	1,707189E+22	1,899076E+22	2,175263E+22
-1012	2,411331E+22	2,544018E+22	2,588186E+22	2,588160E+22	2,543977E+22	2,411277E+22	2,175208E+22	1,899038E+22	1,707168E+22	1,707165E+22	1,899025E+22	2,175184E+22
-1011	2,411247E+22	2,543963E+22	2,588194E+22	2,588214E+22	2,544012E+22	2,411281E+22	2,175210E+22	1,899050E+22	1,707167E+22	1,707145E+22	1,899001E+22	2,175201E+22
-1010	2,411352E+22	2,544118E+22	2,588310E+22	2,588293E+22	2,544065E+22	2,411294E+22	2,175185E+22	1,899017E+22	1,707163E+22	1,707173E+22	1,899035E+22	2,175191E+22
-1009	2,411273E+22	2,544012E+22	2,588193E+22	2,588162E+22	2,543981E+22	2,411273E+22	2,175203E+22	1,899048E+22	1,707188E+22	1,707179E+22	1,899016E+22	2,175149E+22
-1008	2,411215E+22	2,543995E+22	2,588274E+22	2,588283E+22	2,544060E+22	2,411306E+22	2,175212E+22	1,899056E+22	1,707209E+22	1,707213E+22	1,899062E+22	2,175226E+22
-1007	2,411320E+22	2,544045E+22	2,588262E+22	2,588271E+22	2,544053E+22	2,411300E+22	2,175216E+22	1,899073E+22	1,707243E+22	1,707257E+22	1,899094E+22	2,175205E+22
-1006	2,411236E+22	2,543922E+22	2,588112E+22	2,588158E+22	2,544014E+22	2,411305E+22	2,175243E+22	1,899114E+22	1,707275E+22	1,707264E+22	1,899086E+22	2,175206E+22
-1005	2,411277E+22	2,544042E+22	2,588267E+22	2,588259E+22	2,544056E+22	2,411322E+22	2,175249E+22	1,899118E+22	1,707292E+22	1,707296E+22	1,899135E+22	2,175285E+22
-1004	2,411349E+22	2,544047E+22	2,588219E+22	2,588169E+22	2,543949E+22	2,411255E+22	2,175243E+22	1,899153E+22	1,707344E+22	1,707342E+22	1,899138E+22	2,175212E+22
-1003	2,411230E+22	2,543945E+22	2,588183E+22	2,588204E+22	2,543987E+22	2,411260E+22	2,175244E+22	1,899176E+22	1,707369E+22	1,707352E+22	1,899138E+22	2,175231E+22
-1002	2,411309E+22	2,544079E+22	2,588309E+22	2,588310E+22	2,544077E+22	2,411302E+22	2,175224E+22	1,899132E+22	1,707355E+22	1,707382E+22	1,899198E+22	2,175280E+22
-1001	2,411291E+22	2,543996E+22	2,588190E+22	2,588166E+22	2,543976E+22	2,411279E+22	2,175247E+22	1,899154E+22	1,707354E+22	1,707359E+22	1,899156E+22	2,175227E+22
-1000	2,411235E+22	2,543957E+22	2,588221E+22	2,588250E+22	2,544041E+22	2,411312E+22	2,175267E+22	1,899165E+22	1,707351E+22	1,707345E+22	1,899147E+22	2,175264E+22
-999	2,411348E+22	2,544076E+22	2,588271E+22	2,588264E+22	2,544042E+22	2,411305E+22	2,175256E+22	1,899156E+22	1,707349E+22	1,707351E+22	1,899153E+22	2,175233E+22
-998	2,411255E+22	2,543960E+22	2,588144E+22	2,588147E+22	2,543982E+22	2,411290E+22	2,175262E+22	1,899165E+22	1,707340E+22	1,707316E+22	1,899101E+22	2,175185E+22
-997	2,411236E+22	2,544010E+22	2,588279E+22	2,588279E+22	2,544051E+22	2,411311E+22	2,175249E+22	1,899134E+22	1,707312E+22	1,707307E+22	1,899127E+22	2,175260E+22
-996	2,411330E+22	2,544036E+22	2,588234E+22	2,588215E+22	2,543988E+22	2,411260E+22	2,175215E+22	1,899107E+22	1,707297E+22	1,707310E+22	1,899126E+22	2,175206E+22
-995	2,411222E+22	2,543918E+22	2,588134E+22	2,588177E+22	2,543998E+22	2,411277E+22	2,175225E+22	1,899105E+22	1,707265E+22	1,707255E+22	1,899080E+22	2,175208E+22
-994	2,411294E+22	2,544056E+22	2,588273E+22	2,588275E+22	2,544072E+22	2,411316E+22	2,175211E+22	1,899058E+22	1,707226E+22	1,707242E+22	1,899105E+22	2,175264E+22
-993	2,411328E+22	2,544034E+22	2,588205E+22	2,588150E+22	2,543948E+22	2,411257E+22	2,175209E+22	1,899070E+22	1,707222E+22	1,707216E+22	1,899048E+22	2,175181E+22
-992	2,411240E+22	2,543965E+22	2,588213E+22	2,588229E+22	2,544006E+22	2,411272E+22	2,175216E+22	1,899083E+22	1,707235E+22	1,707221E+22	1,899041E+22	2,175185E+22
-991	2,411312E+22	2,544086E+22	2,588300E+22	2,588296E+22	2,544060E+22	2,411286E+22	2,175198E+22	1,899069E+22	1,707248E+22	1,707263E+22	1,899099E+22	2,175207E+22
-990	2,411245E+22	2,543966E+22	2,588162E+22	2,588165E+22	2,544000E+22	2,411287E+22	2,175217E+22	1,899087E+22	1,707258E+22	1,707256E+22	1,899076E+22	2,175176E+22
-989	2,411209E+22	2,543956E+22	2,588231E+22	2,588261E+22	2,544060E+22	2,411327E+22	2,175250E+22	1,899111E+22	1,707279E+22	1,707279E+22	1,899111E+22	2,175261E+22
-988	2,411343E+22	2,544039E+22	2,588225E+22	2,588214E+22	2,544000E+22	2,411278E+22	2,175234E+22	1,899128E+22	1,707319E+22	1,707332E+22	1,899149E+22	2,175234E+22
-987	2,411253E+22	2,543937E+22	2,588120E+22	2,588136E+22	2,543960E+22	2,411267E+22	2,175258E+22	1,899177E+22	1,707357E+22	1,707335E+22	1,899119E+22	2,175206E+22
-986	2,411269E+22	2,544040E+22	2,588275E+22	2,588264E+22	2,544040E+22	2,411300E+22	2,175253E+22	1,899170E+22	1,707381E+22	1,707385E+22	1,899186E+22	2,175282E+22
-985	2,411323E+22	2,544045E+22	2,588244E+22	2,588190E+22	2,543948E+22	2,411236E+22	2,175232E+22	1,899177E+22	1,707405E+22	1,707415E+22	1,899193E+22	2,175232E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411222E+22	2,543927E+22	2,588182E+22	2,588220E+22	2,544005E+22	2,411276E+22	2,175256E+22	1,899198E+22	1,707421E+22	1,707422E+22	1,899190E+22	2,175245E+22
-983	2,411291E+22	2,544047E+22	2,588281E+22	2,588292E+22	2,544070E+22	2,411318E+22	2,175264E+22	1,899190E+22	1,707423E+22	1,707445E+22	1,899244E+22	2,175303E+22
-982	2,411294E+22	2,543979E+22	2,588163E+22	2,588156E+22	2,543980E+22	2,411292E+22	2,175278E+22	1,899208E+22	1,707420E+22	1,707411E+22	1,899179E+22	2,175229E+22
-981	2,411234E+22	2,543951E+22	2,588202E+22	2,588228E+22	2,544024E+22	2,411317E+22	2,175301E+22	1,899228E+22	1,707427E+22	1,707403E+22	1,899171E+22	2,175260E+22
-980	2,411338E+22	2,544070E+22	2,588262E+22	2,588237E+22	2,543996E+22	2,411267E+22	2,175255E+22	1,899200E+22	1,707425E+22	1,707431E+22	1,899209E+22	2,175246E+22
-979	2,411238E+22	2,543944E+22	2,588146E+22	2,588149E+22	2,543953E+22	2,411252E+22	2,175255E+22	1,899199E+22	1,707402E+22	1,707383E+22	1,899150E+22	2,175199E+22
-978	2,411216E+22	2,543975E+22	2,588247E+22	2,588268E+22	2,544048E+22	2,411307E+22	2,175251E+22	1,899158E+22	1,707365E+22	1,707373E+22	1,899181E+22	2,175284E+22
-977	2,411327E+22	2,544030E+22	2,588227E+22	2,588198E+22	2,543966E+22	2,411246E+22	2,175212E+22	1,899120E+22	1,707326E+22	1,707347E+22	1,899161E+22	2,175236E+22
-976	2,411246E+22	2,543930E+22	2,588131E+22	2,588166E+22	2,543983E+22	2,411271E+22	2,175232E+22	1,899126E+22	1,707304E+22	1,707297E+22	1,899098E+22	2,175202E+22
-975	2,411286E+22	2,544060E+22	2,588274E+22	2,588261E+22	2,544045E+22	2,411303E+22	2,175231E+22	1,899110E+22	1,707294E+22	1,707300E+22	1,899131E+22	2,175257E+22
-974	2,411307E+22	2,544023E+22	2,588213E+22	2,588177E+22	2,543961E+22	2,411251E+22	2,175215E+22	1,899109E+22	1,707289E+22	1,707280E+22	1,899078E+22	2,175169E+22
-973	2,411209E+22	2,543934E+22	2,588198E+22	2,588244E+22	2,544029E+22	2,411291E+22	2,175241E+22	1,899133E+22	1,707308E+22	1,707291E+22	1,899089E+22	2,175199E+22
-972	2,411291E+22	2,544050E+22	2,588265E+22	2,588270E+22	2,544043E+22	2,411286E+22	2,175219E+22	1,899115E+22	1,707319E+22	1,707344E+22	1,899168E+22	2,175245E+22
-971	2,411245E+22	2,543941E+22	2,588134E+22	2,588141E+22	2,543967E+22	2,411277E+22	2,175252E+22	1,899151E+22	1,707331E+22	1,707324E+22	1,899123E+22	2,175201E+22
-970	2,411216E+22	2,543943E+22	2,588196E+22	2,588227E+22	2,544033E+22	2,411322E+22	2,175279E+22	1,899177E+22	1,707367E+22	1,707360E+22	1,899161E+22	2,175274E+22
-969	2,411343E+22	2,544060E+22	2,588238E+22	2,588190E+22	2,543952E+22	2,411242E+22	2,175234E+22	1,899170E+22	1,707393E+22	1,707407E+22	1,899197E+22	2,175249E+22
-968	2,411254E+22	2,543949E+22	2,588143E+22	2,588150E+22	2,543945E+22	2,411240E+22	2,175249E+22	1,899208E+22	1,707433E+22	1,707423E+22	1,899173E+22	2,175208E+22
-967	2,411244E+22	2,544021E+22	2,588273E+22	2,588273E+22	2,544038E+22	2,411288E+22	2,175257E+22	1,899213E+22	1,707460E+22	1,707473E+22	1,899253E+22	2,175309E+22
-966	2,411309E+22	2,544011E+22	2,588221E+22	2,588206E+22	2,543976E+22	2,411252E+22	2,175244E+22	1,899209E+22	1,707463E+22	1,707478E+22	1,899238E+22	2,175254E+22
-965	2,411223E+22	2,543908E+22	2,588154E+22	2,588210E+22	2,544015E+22	2,411304E+22	2,175300E+22	1,899255E+22	1,707482E+22	1,707470E+22	1,899221E+22	2,175263E+22
-964	2,411297E+22	2,544043E+22	2,588257E+22	2,588249E+22	2,544025E+22	2,411299E+22	2,175288E+22	1,899248E+22	1,707494E+22	1,707506E+22	1,899278E+22	2,175310E+22
-963	2,411288E+22	2,543979E+22	2,588167E+22	2,588140E+22	2,543934E+22	2,411261E+22	2,175299E+22	1,899271E+22	1,707497E+22	1,707475E+22	1,899204E+22	2,175216E+22
-962	2,411205E+22	2,543931E+22	2,588193E+22	2,588228E+22	2,544012E+22	2,411299E+22	2,175305E+22	1,899273E+22	1,707507E+22	1,707486E+22	1,899221E+22	2,175256E+22
-961	2,411302E+22	2,544055E+22	2,588261E+22	2,588235E+22	2,543984E+22	2,411244E+22	2,175238E+22	1,899212E+22	1,707472E+22	1,707495E+22	1,899266E+22	2,175276E+22
-960	2,411235E+22	2,543927E+22	2,588133E+22	2,588149E+22	2,543957E+22	2,411253E+22	2,175251E+22	1,899208E+22	1,707441E+22	1,707440E+22	1,899197E+22	2,175223E+22
-959	2,411215E+22	2,543957E+22	2,588221E+22	2,588246E+22	2,544031E+22	2,411303E+22	2,175270E+22	1,899197E+22	1,707416E+22	1,707421E+22	1,899219E+22	2,175312E+22
-958	2,411340E+22	2,544027E+22	2,588210E+22	2,588197E+22	2,543970E+22	2,411247E+22	2,175227E+22	1,899157E+22	1,707374E+22	1,707384E+22	1,899173E+22	2,175235E+22
-957	2,411248E+22	2,543940E+22	2,588135E+22	2,588164E+22	2,543977E+22	2,411277E+22	2,175261E+22	1,899180E+22	1,707368E+22	1,707344E+22	1,899118E+22	2,175195E+22
-956	2,411263E+22	2,544050E+22	2,588275E+22	2,588253E+22	2,544018E+22	2,411277E+22	2,175238E+22	1,899158E+22	1,707370E+22	1,707377E+22	1,899181E+22	2,175263E+22
-955	2,411279E+22	2,543997E+22	2,588207E+22	2,588183E+22	2,543954E+22	2,411242E+22	2,175231E+22	1,899157E+22	1,707361E+22	1,707355E+22	1,899130E+22	2,175183E+22
-954	2,411186E+22	2,543893E+22	2,588152E+22	2,588222E+22	2,544030E+22	2,411304E+22	2,175266E+22	1,899181E+22	1,707383E+22	1,707373E+22	1,899151E+22	2,175223E+22
-953	2,411284E+22	2,544039E+22	2,588240E+22	2,588233E+22	2,544010E+22	2,411271E+22	2,175231E+22	1,899153E+22	1,707377E+22	1,707404E+22	1,899219E+22	2,175283E+22
-952	2,411269E+22	2,543954E+22	2,588128E+22	2,588119E+22	2,543935E+22	2,411253E+22	2,175255E+22	1,899193E+22	1,707405E+22	1,707396E+22	1,899161E+22	2,175206E+22
-951	2,411210E+22	2,543949E+22	2,588201E+22	2,588211E+22	2,543993E+22	2,411288E+22	2,175288E+22	1,899237E+22	1,707457E+22	1,707444E+22	1,899211E+22	2,175284E+22
-950	2,411330E+22	2,544053E+22	2,588251E+22	2,588223E+22	2,543965E+22	2,411227E+22	2,175230E+22	1,899208E+22	1,707468E+22	1,707484E+22	1,899243E+22	2,175255E+22
-949	2,411237E+22	2,543935E+22	2,588142E+22	2,588168E+22	2,543968E+22	2,411258E+22	2,175270E+22	1,899251E+22	1,707500E+22	1,707490E+22	1,899224E+22	2,175229E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411226E+22	2,543992E+22	2,588250E+22	2,588257E+22	2,544028E+22	2,411292E+22	2,175281E+22	1,899260E+22	1,707528E+22	1,707545E+22	1,899310E+22	2,175340E+22
-947	2,411310E+22	2,543993E+22	2,588203E+22	2,588193E+22	2,543960E+22	2,411254E+22	2,175284E+22	1,899272E+22	1,707533E+22	1,707536E+22	1,899269E+22	2,175261E+22
-946	2,411217E+22	2,543892E+22	2,588118E+22	2,588177E+22	2,543998E+22	2,411307E+22	2,175334E+22	1,899322E+22	1,707570E+22	1,707546E+22	1,899258E+22	2,175256E+22
-945	2,411274E+22	2,544046E+22	2,588261E+22	2,588226E+22	2,543984E+22	2,411268E+22	2,175291E+22	1,899292E+22	1,707566E+22	1,707577E+22	1,899322E+22	2,175320E+22
-944	2,411275E+22	2,543971E+22	2,588173E+22	2,588146E+22	2,543916E+22	2,411228E+22	2,175282E+22	1,899298E+22	1,707569E+22	1,707558E+22	1,899258E+22	2,175223E+22
-943	2,411176E+22	2,543898E+22	2,588171E+22	2,588216E+22	2,544000E+22	2,411282E+22	2,175302E+22	1,899303E+22	1,707570E+22	1,707562E+22	1,899287E+22	2,175296E+22
-942	2,411300E+22	2,544023E+22	2,588231E+22	2,588233E+22	2,543996E+22	2,411247E+22	2,175239E+22	1,899226E+22	1,707507E+22	1,707538E+22	1,899302E+22	2,175306E+22
-941	2,411254E+22	2,543928E+22	2,588114E+22	2,588131E+22	2,543953E+22	2,411266E+22	2,175279E+22	1,899244E+22	1,707477E+22	1,707464E+22	1,899214E+22	2,175241E+22
-940	2,411229E+22	2,543969E+22	2,588215E+22	2,588215E+22	2,543993E+22	2,411280E+22	2,175281E+22	1,899240E+22	1,707471E+22	1,707464E+22	1,899238E+22	2,175314E+22
-939	2,411338E+22	2,544037E+22	2,588230E+22	2,588201E+22	2,543946E+22	2,411226E+22	2,175245E+22	1,899208E+22	1,707440E+22	1,707435E+22	1,899186E+22	2,175213E+22
-938	2,411215E+22	2,543922E+22	2,588132E+22	2,588175E+22	2,543986E+22	2,411276E+22	2,175276E+22	1,899230E+22	1,707448E+22	1,707424E+22	1,899163E+22	2,175184E+22
-937	2,411217E+22	2,544025E+22	2,588269E+22	2,588250E+22	2,544014E+22	2,411271E+22	2,175241E+22	1,899188E+22	1,707429E+22	1,707447E+22	1,899237E+22	2,175289E+22
-936	2,411266E+22	2,543970E+22	2,588186E+22	2,588174E+22	2,543953E+22	2,411245E+22	2,175243E+22	1,899194E+22	1,707429E+22	1,707430E+22	1,899183E+22	2,175208E+22
-935	2,411180E+22	2,543870E+22	2,588117E+22	2,588184E+22	2,544003E+22	2,411297E+22	2,175293E+22	1,899242E+22	1,707463E+22	1,707448E+22	1,899207E+22	2,175259E+22
-934	2,411298E+22	2,544029E+22	2,588217E+22	2,588215E+22	2,543995E+22	2,411257E+22	2,175241E+22	1,899202E+22	1,707451E+22	1,707470E+22	1,899252E+22	2,175295E+22
-933	2,411277E+22	2,543969E+22	2,588139E+22	2,588116E+22	2,543918E+22	2,411240E+22	2,175272E+22	1,899248E+22	1,707483E+22	1,707466E+22	1,899205E+22	2,175218E+22
-932	2,411196E+22	2,543943E+22	2,588210E+22	2,588211E+22	2,543967E+22	2,411248E+22	2,175277E+22	1,899278E+22	1,707539E+22	1,707533E+22	1,899275E+22	2,175306E+22
-931	2,411313E+22	2,544028E+22	2,588247E+22	2,588233E+22	2,543967E+22	2,411224E+22	2,175243E+22	1,899249E+22	1,707537E+22	1,707560E+22	1,899295E+22	2,175273E+22
-930	2,411221E+22	2,543903E+22	2,588110E+22	2,588157E+22	2,543980E+22	2,411282E+22	2,175303E+22	1,899302E+22	1,707572E+22	1,707567E+22	1,899277E+22	2,175244E+22
-929	2,411215E+22	2,543983E+22	2,588230E+22	2,588225E+22	2,544002E+22	2,411286E+22	2,175303E+22	1,899307E+22	1,707589E+22	1,707601E+22	1,899345E+22	2,175357E+22
-928	2,411318E+22	2,543999E+22	2,588199E+22	2,588174E+22	2,543936E+22	2,411240E+22	2,175294E+22	1,899324E+22	1,707614E+22	1,707607E+22	1,899297E+22	2,175253E+22
-927	2,411197E+22	2,543883E+22	2,588114E+22	2,588157E+22	2,543965E+22	2,411281E+22	2,175345E+22	1,899381E+22	1,707659E+22	1,707630E+22	1,899308E+22	2,175266E+22
-926	2,411252E+22	2,544013E+22	2,588251E+22	2,588242E+22	2,543993E+22	2,411253E+22	2,175284E+22	1,899322E+22	1,707630E+22	1,707646E+22	1,899367E+22	2,175334E+22
-925	2,411264E+22	2,543952E+22	2,588162E+22	2,588148E+22	2,543928E+22	2,411239E+22	2,175296E+22	1,899328E+22	1,707618E+22	1,707612E+22	1,899309E+22	2,175257E+22
-924	2,411173E+22	2,543876E+22	2,588150E+22	2,588191E+22	2,543975E+22	2,411268E+22	2,175310E+22	1,899335E+22	1,707619E+22	1,707615E+22	1,899333E+22	2,175331E+22
-923	2,411318E+22	2,544021E+22	2,588221E+22	2,588215E+22	2,543976E+22	2,411246E+22	2,175267E+22	1,899270E+22	1,707556E+22	1,707577E+22	1,899318E+22	2,175309E+22
-922	2,411259E+22	2,543935E+22	2,588107E+22	2,588110E+22	2,543942E+22	2,411270E+22	2,175304E+22	1,899296E+22	1,707545E+22	1,707522E+22	1,899233E+22	2,175221E+22
-921	2,411207E+22	2,543980E+22	2,588234E+22	2,588209E+22	2,543966E+22	2,411256E+22	2,175282E+22	1,899276E+22	1,707532E+22	1,707523E+22	1,899266E+22	2,175309E+22
-920	2,411316E+22	2,544026E+22	2,588243E+22	2,588221E+22	2,543951E+22	2,411209E+22	2,175232E+22	1,899239E+22	1,707513E+22	1,707513E+22	1,899231E+22	2,175213E+22
-919	2,411177E+22	2,543876E+22	2,588103E+22	2,588161E+22	2,543985E+22	2,411277E+22	2,175288E+22	1,899272E+22	1,707521E+22	1,707506E+22	1,899231E+22	2,175222E+22
-918	2,411207E+22	2,543973E+22	2,588228E+22	2,588240E+22	2,544022E+22	2,411280E+22	2,175257E+22	1,899222E+22	1,707482E+22	1,707505E+22	1,899282E+22	2,175321E+22
-917	2,411284E+22	2,543965E+22	2,588161E+22	2,588141E+22	2,543931E+22	2,411247E+22	2,175272E+22	1,899245E+22	1,707487E+22	1,707480E+22	1,899221E+22	2,175234E+22
-916	2,411190E+22	2,543875E+22	2,588110E+22	2,588145E+22	2,543948E+22	2,411256E+22	2,175295E+22	1,899292E+22	1,707540E+22	1,707520E+22	1,899248E+22	2,175274E+22
-915	2,411302E+22	2,544039E+22	2,588238E+22	2,588215E+22	2,543966E+22	2,411229E+22	2,175248E+22	1,899249E+22	1,707529E+22	1,707544E+22	1,899287E+22	2,175288E+22
-914	2,411256E+22	2,543955E+22	2,588141E+22	2,588128E+22	2,543928E+22	2,411239E+22	2,175278E+22	1,899292E+22	1,707565E+22	1,707555E+22	1,899258E+22	2,175217E+22
-913	2,411167E+22	2,543927E+22	2,588208E+22	2,588212E+22	2,543971E+22	2,411250E+22	2,175283E+22	1,899307E+22	1,707598E+22	1,707602E+22	1,899329E+22	2,175335E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411310E+22	2,544009E+22	2,588235E+22	2,588233E+22	2,543975E+22	2,411232E+22	2,175260E+22	1,899295E+22	1,707610E+22	1,707630E+22	1,899338E+22	2,175287E+22
-911	2,411212E+22	2,543879E+22	2,588081E+22	2,588124E+22	2,543962E+22	2,411287E+22	2,175343E+22	1,899375E+22	1,707660E+22	1,707643E+22	1,899325E+22	2,175265E+22
-910	2,411213E+22	2,543959E+22	2,588211E+22	2,588212E+22	2,543989E+22	2,411281E+22	2,175325E+22	1,899365E+22	1,707670E+22	1,707671E+22	1,899376E+22	2,175356E+22
-909	2,411309E+22	2,543999E+22	2,588203E+22	2,588164E+22	2,543915E+22	2,411228E+22	2,175314E+22	1,899382E+22	1,707693E+22	1,707683E+22	1,899348E+22	2,175265E+22
-908	2,411174E+22	2,543860E+22	2,588107E+22	2,588144E+22	2,543934E+22	2,411243E+22	2,175332E+22	1,899419E+22	1,707737E+22	1,707717E+22	1,899375E+22	2,175298E+22
-907	2,411248E+22	2,543988E+22	2,588233E+22	2,588229E+22	2,543983E+22	2,411249E+22	2,175291E+22	1,899349E+22	1,707685E+22	1,707710E+22	1,899415E+22	2,175359E+22
-906	2,411268E+22	2,543934E+22	2,588137E+22	2,588129E+22	2,543925E+22	2,411249E+22	2,175315E+22	1,899363E+22	1,707670E+22	1,707668E+22	1,899347E+22	2,175271E+22
-905	2,411184E+22	2,543890E+22	2,588149E+22	2,588167E+22	2,543944E+22	2,411250E+22	2,175314E+22	1,899362E+22	1,707658E+22	1,707650E+22	1,899352E+22	2,175340E+22
-904	2,411329E+22	2,544038E+22	2,588239E+22	2,588216E+22	2,543962E+22	2,411227E+22	2,175265E+22	1,899308E+22	1,707621E+22	1,707629E+22	1,899330E+22	2,175286E+22
-903	2,411232E+22	2,543927E+22	2,588120E+22	2,588115E+22	2,543932E+22	2,411259E+22	2,175316E+22	1,899345E+22	1,707620E+22	1,707595E+22	1,899274E+22	2,175220E+22
-902	2,411173E+22	2,543932E+22	2,588223E+22	2,588231E+22	2,543989E+22	2,411260E+22	2,175285E+22	1,899305E+22	1,707590E+22	1,707586E+22	1,899304E+22	2,175310E+22
-901	2,411291E+22	2,543992E+22	2,588223E+22	2,588217E+22	2,543966E+22	2,411235E+22	2,175261E+22	1,899277E+22	1,707565E+22	1,707572E+22	1,899286E+22	2,175245E+22
-900	2,411169E+22	2,543842E+22	2,588068E+22	2,588123E+22	2,543952E+22	2,411262E+22	2,175302E+22	1,899316E+22	1,707585E+22	1,707572E+22	1,899285E+22	2,175262E+22
-899	2,411228E+22	2,543961E+22	2,588197E+22	2,588197E+22	2,543987E+22	2,411273E+22	2,175284E+22	1,899274E+22	1,707549E+22	1,707563E+22	1,899313E+22	2,175332E+22
-898	2,411296E+22	2,543971E+22	2,588154E+22	2,588114E+22	2,543904E+22	2,411236E+22	2,175290E+22	1,899300E+22	1,707569E+22	1,707558E+22	1,899261E+22	2,175229E+22
-897	2,411182E+22	2,543890E+22	2,588133E+22	2,588140E+22	2,543910E+22	2,411215E+22	2,175282E+22	1,899324E+22	1,707608E+22	1,707594E+22	1,899295E+22	2,175285E+22
-896	2,411292E+22	2,544033E+22	2,588254E+22	2,588237E+22	2,543972E+22	2,411209E+22	2,175231E+22	1,899280E+22	1,707607E+22	1,707629E+22	1,899340E+22	2,175296E+22
-895	2,411230E+22	2,543922E+22	2,588126E+22	2,588123E+22	2,543936E+22	2,411250E+22	2,175296E+22	1,899335E+22	1,707638E+22	1,707637E+22	1,899323E+22	2,175251E+22
-894	2,411161E+22	2,543883E+22	2,588175E+22	2,588208E+22	2,543982E+22	2,411269E+22	2,175313E+22	1,899353E+22	1,707658E+22	1,707659E+22	1,899362E+22	2,175347E+22
-893	2,411318E+22	2,544007E+22	2,588221E+22	2,588211E+22	2,543963E+22	2,411246E+22	2,175303E+22	1,899361E+22	1,707680E+22	1,707688E+22	1,899374E+22	2,175299E+22
-892	2,411204E+22	2,543872E+22	2,588075E+22	2,588091E+22	2,543910E+22	2,411254E+22	2,175357E+22	1,899441E+22	1,707754E+22	1,707728E+22	1,899372E+22	2,175275E+22
-891	2,411204E+22	2,543946E+22	2,588211E+22	2,588202E+22	2,543963E+22	2,411264E+22	2,175340E+22	1,899419E+22	1,707756E+22	1,707756E+22	1,899422E+22	2,175353E+22
-890	2,411285E+22	2,543975E+22	2,588193E+22	2,588164E+22	2,543916E+22	2,411226E+22	2,175322E+22	1,899423E+22	1,707772E+22	1,707774E+22	1,899410E+22	2,175276E+22
-889	2,411158E+22	2,543846E+22	2,588098E+22	2,588132E+22	2,543919E+22	2,411231E+22	2,175328E+22	1,899437E+22	1,707784E+22	1,707779E+22	1,899431E+22	2,175335E+22
-888	2,411264E+22	2,543984E+22	2,588226E+22	2,588225E+22	2,543978E+22	2,411241E+22	2,175291E+22	1,899380E+22	1,707741E+22	1,707763E+22	1,899447E+22	2,175373E+22
-887	2,411273E+22	2,543928E+22	2,588122E+22	2,588107E+22	2,543909E+22	2,411249E+22	2,175337E+22	1,899411E+22	1,707732E+22	1,707722E+22	1,899378E+22	2,175283E+22
-886	2,411184E+22	2,543878E+22	2,588150E+22	2,588174E+22	2,543941E+22	2,411247E+22	2,175329E+22	1,899401E+22	1,707713E+22	1,707696E+22	1,899365E+22	2,175323E+22
-885	2,411313E+22	2,544039E+22	2,588255E+22	2,588227E+22	2,543958E+22	2,411225E+22	2,175282E+22	1,899350E+22	1,707677E+22	1,707686E+22	1,899368E+22	2,175284E+22
-884	2,411193E+22	2,543887E+22	2,588105E+22	2,588107E+22	2,543915E+22	2,411239E+22	2,175314E+22	1,899379E+22	1,707688E+22	1,707671E+22	1,899334E+22	2,175247E+22
-883	2,411161E+22	2,543889E+22	2,588183E+22	2,588205E+22	2,543982E+22	2,411274E+22	2,175307E+22	1,899336E+22	1,707643E+22	1,707648E+22	1,899351E+22	2,175330E+22
-882	2,411291E+22	2,543965E+22	2,588182E+22	2,588178E+22	2,543946E+22	2,411242E+22	2,175289E+22	1,899323E+22	1,707626E+22	1,707634E+22	1,899327E+22	2,175261E+22
-881	2,411186E+22	2,543855E+22	2,588056E+22	2,588082E+22	2,543901E+22	2,411230E+22	2,175302E+22	1,899350E+22	1,707639E+22	1,707623E+22	1,899317E+22	2,175279E+22
-880	2,411249E+22	2,543986E+22	2,588216E+22	2,588191E+22	2,543952E+22	2,411231E+22	2,175269E+22	1,899314E+22	1,707627E+22	1,707630E+22	1,899339E+22	2,175321E+22
-879	2,411278E+22	2,543968E+22	2,588170E+22	2,588125E+22	2,543892E+22	2,411215E+22	2,175290E+22	1,899343E+22	1,707647E+22	1,707641E+22	1,899315E+22	2,175238E+22
-878	2,411157E+22	2,543855E+22	2,588136E+22	2,588175E+22	2,543935E+22	2,411221E+22	2,175286E+22	1,899352E+22	1,707667E+22	1,707661E+22	1,899339E+22	2,175290E+22
-877	2,411274E+22	2,544012E+22	2,588249E+22	2,588245E+22	2,543991E+22	2,411241E+22	2,175269E+22	1,899326E+22	1,707663E+22	1,707692E+22	1,899394E+22	2,175320E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411216E+22	2,543889E+22	2,588100E+22	2,588101E+22	2,543916E+22	2,411251E+22	2,175330E+22	1,899400E+22	1,707721E+22	1,707715E+22	1,899377E+22	2,175280E+22
-875	2,411172E+22	2,543865E+22	2,588142E+22	2,588170E+22	2,543960E+22	2,411281E+22	2,175356E+22	1,899424E+22	1,707747E+22	1,707736E+22	1,899398E+22	2,175343E+22
-874	2,411307E+22	2,544000E+22	2,588211E+22	2,588187E+22	2,543935E+22	2,411239E+22	2,175334E+22	1,899434E+22	1,707783E+22	1,707785E+22	1,899424E+22	2,175295E+22
-873	2,411189E+22	2,543871E+22	2,588082E+22	2,588082E+22	2,543869E+22	2,411209E+22	2,175345E+22	1,899481E+22	1,707835E+22	1,707818E+22	1,899438E+22	2,175299E+22
-872	2,411196E+22	2,543928E+22	2,588207E+22	2,588209E+22	2,543955E+22	2,411234E+22	2,175318E+22	1,899450E+22	1,707835E+22	1,707843E+22	1,899486E+22	2,175377E+22
-871	2,411274E+22	2,543947E+22	2,588170E+22	2,588152E+22	2,543913E+22	2,411229E+22	2,175332E+22	1,899454E+22	1,707831E+22	1,707846E+22	1,899477E+22	2,175321E+22
-870	2,411171E+22	2,543824E+22	2,588077E+22	2,588127E+22	2,543916E+22	2,411233E+22	2,175342E+22	1,899462E+22	1,707819E+22	1,707814E+22	1,899452E+22	2,175346E+22
-869	2,411280E+22	2,544001E+22	2,588230E+22	2,588214E+22	2,543966E+22	2,411248E+22	2,175321E+22	1,899423E+22	1,707784E+22	1,707797E+22	1,899467E+22	2,175372E+22
-868	2,411261E+22	2,543929E+22	2,588133E+22	2,588100E+22	2,543876E+22	2,411222E+22	2,175344E+22	1,899458E+22	1,707801E+22	1,707781E+22	1,899404E+22	2,175277E+22
-867	2,411166E+22	2,543859E+22	2,588142E+22	2,588172E+22	2,543937E+22	2,411249E+22	2,175345E+22	1,899442E+22	1,707778E+22	1,707758E+22	1,899393E+22	2,175303E+22
-866	2,411272E+22	2,544003E+22	2,588236E+22	2,588228E+22	2,543970E+22	2,411240E+22	2,175304E+22	1,899393E+22	1,707743E+22	1,707758E+22	1,899415E+22	2,175290E+22
-865	2,411174E+22	2,543862E+22	2,588080E+22	2,588084E+22	2,543890E+22	2,411227E+22	2,175321E+22	1,899407E+22	1,707735E+22	1,707729E+22	1,899386E+22	2,175282E+22
-864	2,411174E+22	2,543877E+22	2,588156E+22	2,588181E+22	2,543956E+22	2,411255E+22	2,175313E+22	1,899380E+22	1,707709E+22	1,707706E+22	1,899388E+22	2,175345E+22
-863	2,411297E+22	2,543964E+22	2,588162E+22	2,588145E+22	2,543914E+22	2,411228E+22	2,175306E+22	1,899373E+22	1,707697E+22	1,707702E+22	1,899372E+22	2,175278E+22
-862	2,411188E+22	2,543853E+22	2,588065E+22	2,588088E+22	2,543880E+22	2,411207E+22	2,175302E+22	1,899383E+22	1,707698E+22	1,707681E+22	1,899344E+22	2,175272E+22
-861	2,411239E+22	2,543995E+22	2,588242E+22	2,588215E+22	2,543951E+22	2,411220E+22	2,175275E+22	1,899350E+22	1,707686E+22	1,707699E+22	1,899393E+22	2,175331E+22
-860	2,411247E+22	2,543937E+22	2,588165E+22	2,588135E+22	2,543889E+22	2,411202E+22	2,175289E+22	1,899379E+22	1,707719E+22	1,707723E+22	1,899380E+22	2,175270E+22
-859	2,411152E+22	2,543821E+22	2,588102E+22	2,588158E+22	2,543943E+22	2,411252E+22	2,175323E+22	1,899398E+22	1,707732E+22	1,707729E+22	1,899385E+22	2,175302E+22
-858	2,411265E+22	2,543990E+22	2,588218E+22	2,588220E+22	2,543982E+22	2,411261E+22	2,175317E+22	1,899396E+22	1,707745E+22	1,707764E+22	1,899434E+22	2,175327E+22
-857	2,411219E+22	2,543893E+22	2,588086E+22	2,588068E+22	2,543869E+22	2,411226E+22	2,175347E+22	1,899459E+22	1,707803E+22	1,707790E+22	1,899421E+22	2,175294E+22
-856	2,411177E+22	2,543872E+22	2,588145E+22	2,588161E+22	2,543926E+22	2,411242E+22	2,175354E+22	1,899485E+22	1,707848E+22	1,707827E+22	1,899445E+22	2,175340E+22
-855	2,411280E+22	2,543979E+22	2,588203E+22	2,588182E+22	2,543919E+22	2,411219E+22	2,175337E+22	1,899483E+22	1,707872E+22	1,707883E+22	1,899498E+22	2,175321E+22
-854	2,411169E+22	2,543835E+22	2,588072E+22	2,588099E+22	2,543878E+22	2,411204E+22	2,175343E+22	1,899503E+22	1,707890E+22	1,707885E+22	1,899492E+22	2,175325E+22
-853	2,411198E+22	2,543922E+22	2,588202E+22	2,588208E+22	2,543954E+22	2,411242E+22	2,175339E+22	1,899481E+22	1,707875E+22	1,707894E+22	1,899539E+22	2,175409E+22
-852	2,411275E+22	2,543929E+22	2,588149E+22	2,588132E+22	2,543888E+22	2,411217E+22	2,175349E+22	1,899500E+22	1,707891E+22	1,707900E+22	1,899514E+22	2,175346E+22
-851	2,411189E+22	2,543828E+22	2,588060E+22	2,588101E+22	2,543903E+22	2,411247E+22	2,175374E+22	1,899512E+22	1,707881E+22	1,707862E+22	1,899466E+22	2,175327E+22
-850	2,411260E+22	2,544003E+22	2,588236E+22	2,588206E+22	2,543949E+22	2,411246E+22	2,175350E+22	1,899483E+22	1,707861E+22	1,707864E+22	1,899489E+22	2,175350E+22
-849	2,411233E+22	2,543919E+22	2,588137E+22	2,588103E+22	2,543854E+22	2,411191E+22	2,175337E+22	1,899491E+22	1,707865E+22	1,707851E+22	1,899452E+22	2,175288E+22
-848	2,411148E+22	2,543832E+22	2,588121E+22	2,588173E+22	2,543935E+22	2,411230E+22	2,175335E+22	1,899474E+22	1,707847E+22	1,707829E+22	1,899443E+22	2,175318E+22
-847	2,411248E+22	2,543961E+22	2,588193E+22	2,588202E+22	2,543960E+22	2,411244E+22	2,175322E+22	1,899429E+22	1,707800E+22	1,707823E+22	1,899475E+22	2,175329E+22
-846	2,411181E+22	2,543840E+22	2,588055E+22	2,588069E+22	2,543869E+22	2,411215E+22	2,175331E+22	1,899436E+22	1,707776E+22	1,707767E+22	1,899412E+22	2,175298E+22
-845	2,411192E+22	2,543901E+22	2,588164E+22	2,588166E+22	2,543926E+22	2,411238E+22	2,175327E+22	1,899420E+22	1,707758E+22	1,707754E+22	1,899421E+22	2,175350E+22
-844	2,411286E+22	2,543968E+22	2,588176E+22	2,588143E+22	2,543880E+22	2,411192E+22	2,175302E+22	1,899415E+22	1,707770E+22	1,707773E+22	1,899414E+22	2,175288E+22
-843	2,411179E+22	2,543845E+22	2,588064E+22	2,588096E+22	2,543891E+22	2,411215E+22	2,175312E+22	1,899418E+22	1,707763E+22	1,707750E+22	1,899383E+22	2,175264E+22
-842	2,411204E+22	2,543969E+22	2,588233E+22	2,588226E+22	2,543973E+22	2,411245E+22	2,175305E+22	1,899398E+22	1,707757E+22	1,707773E+22	1,899441E+22	2,175343E+22
-841	2,411236E+22	2,543916E+22	2,588144E+22	2,588126E+22	2,543880E+22	2,411202E+22	2,175310E+22	1,899424E+22	1,707783E+22	1,707790E+22	1,899433E+22	2,175303E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411163E+22	2,543808E+22	2,588070E+22	2,588136E+22	2,543926E+22	2,411242E+22	2,175348E+22	1,899468E+22	1,707822E+22	1,707803E+22	1,899426E+22	2,175311E+22
-839	2,411253E+22	2,543977E+22	2,588194E+22	2,588188E+22	2,543954E+22	2,411257E+22	2,175351E+22	1,899469E+22	1,707842E+22	1,707854E+22	1,899492E+22	2,175344E+22
-838	2,411208E+22	2,543881E+22	2,588090E+22	2,588066E+22	2,543837E+22	2,411194E+22	2,175352E+22	1,899508E+22	1,707884E+22	1,707870E+22	1,899468E+22	2,175298E+22
-837	2,411162E+22	2,543869E+22	2,588152E+22	2,588166E+22	2,543912E+22	2,411220E+22	2,175355E+22	1,899523E+22	1,707919E+22	1,707914E+22	1,899519E+22	2,175365E+22
-836	2,411256E+22	2,543947E+22	2,588184E+22	2,588175E+22	2,543906E+22	2,411200E+22	2,175330E+22	1,899514E+22	1,707942E+22	1,707966E+22	1,899569E+22	2,175368E+22
-835	2,411183E+22	2,543818E+22	2,588037E+22	2,588071E+22	2,543876E+22	2,411224E+22	2,175365E+22	1,899536E+22	1,707940E+22	1,707938E+22	1,899528E+22	2,175341E+22
-834	2,411204E+22	2,543922E+22	2,588188E+22	2,588190E+22	2,543943E+22	2,411251E+22	2,175375E+22	1,899537E+22	1,707938E+22	1,707943E+22	1,899557E+22	2,175410E+22
-833	2,411284E+22	2,543946E+22	2,588155E+22	2,588119E+22	2,543853E+22	2,411188E+22	2,175355E+22	1,899544E+22	1,707954E+22	1,707952E+22	1,899535E+22	2,175342E+22
-832	2,411182E+22	2,543835E+22	2,588073E+22	2,588110E+22	2,543886E+22	2,411216E+22	2,175375E+22	1,899566E+22	1,707963E+22	1,707931E+22	1,899492E+22	2,175304E+22
-831	2,411210E+22	2,543969E+22	2,588227E+22	2,588214E+22	2,543954E+22	2,411245E+22	2,175362E+22	1,899526E+22	1,707934E+22	1,707943E+22	1,899546E+22	2,175360E+22
-830	2,411194E+22	2,543872E+22	2,588119E+22	2,588111E+22	2,543862E+22	2,411194E+22	2,175345E+22	1,899516E+22	1,707912E+22	1,707906E+22	1,899496E+22	2,175308E+22
-829	2,411143E+22	2,543814E+22	2,588098E+22	2,588156E+22	2,543928E+22	2,411237E+22	2,175358E+22	1,899507E+22	1,707888E+22	1,707882E+22	1,899497E+22	2,175351E+22
-828	2,411249E+22	2,543939E+22	2,588158E+22	2,588167E+22	2,543927E+22	2,411225E+22	2,175333E+22	1,899473E+22	1,707863E+22	1,707881E+22	1,899517E+22	2,175363E+22
-827	2,411205E+22	2,543850E+22	2,588036E+22	2,588034E+22	2,543848E+22	2,411216E+22	2,175348E+22	1,899478E+22	1,707837E+22	1,707820E+22	1,899435E+22	2,175292E+22
-826	2,411183E+22	2,543912E+22	2,588182E+22	2,588168E+22	2,543908E+22	2,411220E+22	2,175339E+22	1,899469E+22	1,707831E+22	1,707821E+22	1,899453E+22	2,175347E+22
-825	2,411270E+22	2,543961E+22	2,588184E+22	2,588157E+22	2,543869E+22	2,411162E+22	2,175288E+22	1,899442E+22	1,707832E+22	1,707844E+22	1,899468E+22	2,175310E+22
-824	2,411171E+22	2,543829E+22	2,588053E+22	2,588104E+22	2,543899E+22	2,411208E+22	2,175316E+22	1,899458E+22	1,707833E+22	1,707822E+22	1,899433E+22	2,175280E+22
-823	2,411183E+22	2,543933E+22	2,588195E+22	2,588201E+22	2,543969E+22	2,411262E+22	2,175340E+22	1,899452E+22	1,707826E+22	1,707842E+22	1,899493E+22	2,175369E+22
-822	2,411232E+22	2,543896E+22	2,588125E+22	2,588109E+22	2,543862E+22	2,411198E+22	2,175336E+22	1,899477E+22	1,707849E+22	1,707844E+22	1,899461E+22	2,175311E+22
-821	2,411169E+22	2,543825E+22	2,588073E+22	2,588116E+22	2,543894E+22	2,411223E+22	2,175368E+22	1,899524E+22	1,707898E+22	1,707877E+22	1,899473E+22	2,175315E+22
-820	2,411227E+22	2,543956E+22	2,588188E+22	2,588177E+22	2,543918E+22	2,411218E+22	2,175350E+22	1,899525E+22	1,707936E+22	1,707948E+22	1,899552E+22	2,175365E+22
-819	2,411197E+22	2,543862E+22	2,588074E+22	2,588060E+22	2,543841E+22	2,411196E+22	2,175357E+22	1,899547E+22	1,707960E+22	1,707954E+22	1,899525E+22	2,175309E+22
-818	2,411140E+22	2,543849E+22	2,588145E+22	2,588165E+22	2,543913E+22	2,411226E+22	2,175375E+22	1,899569E+22	1,707990E+22	1,707989E+22	1,899571E+22	2,175392E+22
-817	2,411260E+22	2,543936E+22	2,588169E+22	2,588162E+22	2,543887E+22	2,411187E+22	2,175341E+22	1,899553E+22	1,708001E+22	1,708028E+22	1,899616E+22	2,175401E+22
-816	2,411205E+22	2,543826E+22	2,588027E+22	2,588057E+22	2,543861E+22	2,411209E+22	2,175381E+22	1,899595E+22	1,708017E+22	1,707998E+22	1,899553E+22	2,175337E+22
-815	2,411190E+22	2,543916E+22	2,588182E+22	2,588174E+22	2,543928E+22	2,411251E+22	2,175403E+22	1,899598E+22	1,708020E+22	1,708015E+22	1,899592E+22	2,175407E+22
-814	2,411257E+22	2,543931E+22	2,588171E+22	2,588136E+22	2,543845E+22	2,411169E+22	2,175361E+22	1,899586E+22	1,708020E+22	1,708016E+22	1,899568E+22	2,175336E+22
-813	2,411154E+22	2,543818E+22	2,588075E+22	2,588120E+22	2,543891E+22	2,411209E+22	2,175378E+22	1,899596E+22	1,708021E+22	1,708006E+22	1,899557E+22	2,175323E+22
-812	2,411173E+22	2,543913E+22	2,588188E+22	2,588195E+22	2,543947E+22	2,411242E+22	2,175368E+22	1,899558E+22	1,707995E+22	1,708015E+22	1,899610E+22	2,175407E+22
-811	2,411206E+22	2,543847E+22	2,588069E+22	2,588066E+22	2,543854E+22	2,411212E+22	2,175368E+22	1,899548E+22	1,707957E+22	1,707954E+22	1,899531E+22	2,175328E+22
-810	2,411153E+22	2,543818E+22	2,588084E+22	2,588122E+22	2,543899E+22	2,411230E+22	2,175383E+22	1,899558E+22	1,707948E+22	1,707928E+22	1,899516E+22	2,175363E+22
-809	2,411269E+22	2,543961E+22	2,588166E+22	2,588147E+22	2,543882E+22	2,411182E+22	2,175324E+22	1,899508E+22	1,707922E+22	1,707934E+22	1,899544E+22	2,175371E+22
-808	2,411212E+22	2,543866E+22	2,588056E+22	2,588044E+22	2,543832E+22	2,411178E+22	2,175337E+22	1,899519E+22	1,707907E+22	1,707883E+22	1,899463E+22	2,175280E+22
-807	2,411147E+22	2,543888E+22	2,588183E+22	2,588184E+22	2,543925E+22	2,411226E+22	2,175348E+22	1,899505E+22	1,707896E+22	1,707893E+22	1,899503E+22	2,175360E+22
-806	2,411241E+22	2,543928E+22	2,588182E+22	2,588172E+22	2,543883E+22	2,411170E+22	2,175301E+22	1,899470E+22	1,707878E+22	1,707894E+22	1,899504E+22	2,175325E+22
-805	2,411164E+22	2,543814E+22	2,588037E+22	2,588091E+22	2,543898E+22	2,411221E+22	2,175349E+22	1,899504E+22	1,707891E+22	1,707885E+22	1,899483E+22	2,175299E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411167E+22	2,543900E+22	2,588160E+22	2,588167E+22	2,543944E+22	2,411256E+22	2,175368E+22	1,899518E+22	1,707914E+22	1,707920E+22	1,899538E+22	2,175390E+22
-803	2,411239E+22	2,543893E+22	2,588099E+22	2,588067E+22	2,543838E+22	2,411199E+22	2,175361E+22	1,899539E+22	1,707938E+22	1,707926E+22	1,899500E+22	2,175305E+22
-802	2,411148E+22	2,543821E+22	2,588082E+22	2,588109E+22	2,543868E+22	2,411200E+22	2,175381E+22	1,899588E+22	1,707995E+22	1,707969E+22	1,899525E+22	2,175330E+22
-801	2,411217E+22	2,543937E+22	2,588181E+22	2,588174E+22	2,543897E+22	2,411179E+22	2,175331E+22	1,899556E+22	1,708014E+22	1,708039E+22	1,899624E+22	2,175405E+22
-800	2,411203E+22	2,543847E+22	2,588060E+22	2,588055E+22	2,543834E+22	2,411178E+22	2,175357E+22	1,899587E+22	1,708031E+22	1,708030E+22	1,899581E+22	2,175336E+22
-799	2,411137E+22	2,543829E+22	2,588122E+22	2,588147E+22	2,543908E+22	2,411235E+22	2,175401E+22	1,899615E+22	1,708054E+22	1,708055E+22	1,899620E+22	2,175418E+22
-798	2,411263E+22	2,543934E+22	2,588173E+22	2,588156E+22	2,543873E+22	2,411179E+22	2,175358E+22	1,899597E+22	1,708059E+22	1,708074E+22	1,899634E+22	2,175399E+22
-797	2,411205E+22	2,543846E+22	2,588049E+22	2,588058E+22	2,543849E+22	2,411202E+22	2,175400E+22	1,899641E+22	1,708085E+22	1,708067E+22	1,899590E+22	2,175328E+22
-796	2,411151E+22	2,543884E+22	2,588177E+22	2,588176E+22	2,543918E+22	2,411235E+22	2,175411E+22	1,899650E+22	1,708104E+22	1,708097E+22	1,899640E+22	2,175414E+22
-795	2,411234E+22	2,543898E+22	2,588141E+22	2,588126E+22	2,543864E+22	2,411192E+22	2,175377E+22	1,899623E+22	1,708086E+22	1,708087E+22	1,899615E+22	2,175343E+22
-794	2,411129E+22	2,543787E+22	2,588053E+22	2,588103E+22	2,543887E+22	2,411221E+22	2,175407E+22	1,899643E+22	1,708084E+22	1,708067E+22	1,899601E+22	2,175355E+22
-793	2,411185E+22	2,543888E+22	2,588153E+22	2,588158E+22	2,543914E+22	2,411221E+22	2,175375E+22	1,899594E+22	1,708048E+22	1,708069E+22	1,899653E+22	2,175445E+22
-792	2,411240E+22	2,543860E+22	2,588059E+22	2,588038E+22	2,543818E+22	2,411184E+22	2,175376E+22	1,899598E+22	1,708023E+22	1,708008E+22	1,899556E+22	2,175331E+22
-791	2,411153E+22	2,543826E+22	2,588090E+22	2,588104E+22	2,543867E+22	2,411209E+22	2,175390E+22	1,899599E+22	1,708014E+22	1,707991E+22	1,899549E+22	2,175361E+22
-790	2,411248E+22	2,543957E+22	2,588197E+22	2,588168E+22	2,543872E+22	2,411153E+22	2,175312E+22	1,899531E+22	1,707974E+22	1,707989E+22	1,899573E+22	2,175367E+22
-789	2,411194E+22	2,543860E+22	2,588074E+22	2,588067E+22	2,543848E+22	2,411175E+22	2,175331E+22	1,899534E+22	1,707956E+22	1,707951E+22	1,899517E+22	2,175292E+22
-788	2,411113E+22	2,543835E+22	2,588147E+22	2,588171E+22	2,543928E+22	2,411235E+22	2,175365E+22	1,899541E+22	1,707956E+22	1,707958E+22	1,899552E+22	2,175389E+22
-787	2,411245E+22	2,543902E+22	2,588137E+22	2,588137E+22	2,543888E+22	2,411200E+22	2,175338E+22	1,899519E+22	1,707938E+22	1,707948E+22	1,899533E+22	2,175331E+22
-786	2,411161E+22	2,543810E+22	2,588029E+22	2,588060E+22	2,543868E+22	2,411217E+22	2,175385E+22	1,899576E+22	1,707976E+22	1,707951E+22	1,899511E+22	2,175307E+22
-785	2,411169E+22	2,543892E+22	2,588154E+22	2,588141E+22	2,543898E+22	2,411215E+22	2,175368E+22	1,899571E+22	1,708002E+22	1,708005E+22	1,899587E+22	2,175402E+22
-784	2,411236E+22	2,543890E+22	2,588106E+22	2,588068E+22	2,543815E+22	2,411160E+22	2,175356E+22	1,899592E+22	1,708030E+22	1,708020E+22	1,899557E+22	2,175310E+22
-783	2,411118E+22	2,543791E+22	2,588072E+22	2,588109E+22	2,543871E+22	2,411198E+22	2,175386E+22	1,899627E+22	1,708073E+22	1,708061E+22	1,899597E+22	2,175361E+22
-782	2,411203E+22	2,543911E+22	2,588180E+22	2,588177E+22	2,543898E+22	2,411178E+22	2,175339E+22	1,899586E+22	1,708067E+22	1,708100E+22	1,899672E+22	2,175436E+22
-781	2,411218E+22	2,543849E+22	2,588059E+22	2,588050E+22	2,543833E+22	2,411185E+22	2,175379E+22	1,899626E+22	1,708090E+22	1,708095E+22	1,899629E+22	2,175355E+22
-780	2,411133E+22	2,543811E+22	2,588102E+22	2,588125E+22	2,543892E+22	2,411235E+22	2,175430E+22	1,899678E+22	1,708136E+22	1,708125E+22	1,899656E+22	2,175427E+22
-779	2,411268E+22	2,543936E+22	2,588162E+22	2,588136E+22	2,543867E+22	2,411191E+22	2,175387E+22	1,899656E+22	1,708139E+22	1,708145E+22	1,899663E+22	2,175382E+22
-778	2,411171E+22	2,543832E+22	2,588062E+22	2,588063E+22	2,543840E+22	2,411195E+22	2,175422E+22	1,899704E+22	1,708174E+22	1,708148E+22	1,899636E+22	2,175338E+22
-777	2,411131E+22	2,543841E+22	2,588152E+22	2,588166E+22	2,543906E+22	2,411216E+22	2,175405E+22	1,899682E+22	1,708174E+22	1,708180E+22	1,899704E+22	2,175448E+22
-776	2,411238E+22	2,543872E+22	2,588107E+22	2,588098E+22	2,543842E+22	2,411178E+22	2,175387E+22	1,899664E+22	1,708146E+22	1,708151E+22	1,899664E+22	2,175368E+22
-775	2,411131E+22	2,543768E+22	2,588023E+22	2,588067E+22	2,543860E+22	2,411216E+22	2,175425E+22	1,899683E+22	1,708138E+22	1,708122E+22	1,899641E+22	2,175379E+22
-774	2,411197E+22	2,543900E+22	2,588163E+22	2,588140E+22	2,543875E+22	2,411189E+22	2,175371E+22	1,899622E+22	1,708092E+22	1,708104E+22	1,899665E+22	2,175443E+22
-773	2,411247E+22	2,543885E+22	2,588092E+22	2,588046E+22	2,543798E+22	2,411156E+22	2,175367E+22	1,899618E+22	1,708073E+22	1,708066E+22	1,899587E+22	2,175319E+22
-772	2,411120E+22	2,543801E+22	2,588096E+22	2,588121E+22	2,543870E+22	2,411196E+22	2,175386E+22	1,899628E+22	1,708074E+22	1,708058E+22	1,899590E+22	2,175365E+22
-771	2,411228E+22	2,543930E+22	2,588176E+22	2,588170E+22	2,543904E+22	2,411184E+22	2,175327E+22	1,899558E+22	1,708024E+22	1,708045E+22	1,899607E+22	2,175365E+22
-770	2,411166E+22	2,543830E+22	2,588063E+22	2,588063E+22	2,543856E+22	2,411202E+22	2,175372E+22	1,899587E+22	1,708018E+22	1,708006E+22	1,899553E+22	2,175316E+22
-769	2,411118E+22	2,543798E+22	2,588107E+22	2,588139E+22	2,543905E+22	2,411229E+22	2,175386E+22	1,899594E+22	1,708027E+22	1,708024E+22	1,899594E+22	2,175410E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411260E+22	2,543900E+22	2,588116E+22	2,588101E+22	2,543849E+22	2,411180E+22	2,175363E+22	1,899589E+22	1,708025E+22	1,708024E+22	1,899571E+22	2,175332E+22
-767	2,411147E+22	2,543801E+22	2,588026E+22	2,588039E+22	2,543831E+22	2,411195E+22	2,175399E+22	1,899635E+22	1,708068E+22	1,708044E+22	1,899570E+22	2,175317E+22
-766	2,411148E+22	2,543879E+22	2,588169E+22	2,588146E+22	2,543872E+22	2,411178E+22	2,175355E+22	1,899605E+22	1,708075E+22	1,708087E+22	1,899646E+22	2,175421E+22
-765	2,411231E+22	2,543881E+22	2,588111E+22	2,588078E+22	2,543818E+22	2,411151E+22	2,175346E+22	1,899608E+22	1,708092E+22	1,708109E+22	1,899633E+22	2,175343E+22
-764	2,411108E+22	2,543754E+22	2,588042E+22	2,588092E+22	2,543866E+22	2,411203E+22	2,175401E+22	1,899663E+22	1,708136E+22	1,708133E+22	1,899655E+22	2,175399E+22
-763	2,411226E+22	2,543906E+22	2,588148E+22	2,588150E+22	2,543900E+22	2,411202E+22	2,175373E+22	1,899637E+22	1,708130E+22	1,708154E+22	1,899698E+22	2,175438E+22
-762	2,411220E+22	2,543862E+22	2,588074E+22	2,588042E+22	2,543815E+22	2,411186E+22	2,175417E+22	1,899699E+22	1,708174E+22	1,708156E+22	1,899649E+22	2,175355E+22
-761	2,411129E+22	2,543798E+22	2,588100E+22	2,588117E+22	2,543863E+22	2,411208E+22	2,175437E+22	1,899735E+22	1,708225E+22	1,708208E+22	1,899697E+22	2,175423E+22
-760	2,411249E+22	2,543923E+22	2,588166E+22	2,588142E+22	2,543856E+22	2,411173E+22	2,175400E+22	1,899714E+22	1,708226E+22	1,708232E+22	1,899715E+22	2,175381E+22
-759	2,411134E+22	2,543791E+22	2,588042E+22	2,588056E+22	2,543835E+22	2,411198E+22	2,175438E+22	1,899746E+22	1,708246E+22	1,708231E+22	1,899701E+22	2,175362E+22
-758	2,411111E+22	2,543807E+22	2,588132E+22	2,588147E+22	2,543885E+22	2,411207E+22	2,175414E+22	1,899711E+22	1,708222E+22	1,708234E+22	1,899748E+22	2,175475E+22
-757	2,411254E+22	2,543873E+22	2,588097E+22	2,588082E+22	2,543825E+22	2,411168E+22	2,175391E+22	1,899689E+22	1,708196E+22	1,708212E+22	1,899708E+22	2,175385E+22
-756	2,411134E+22	2,543759E+22	2,588004E+22	2,588039E+22	2,543830E+22	2,411198E+22	2,175432E+22	1,899722E+22	1,708200E+22	1,708180E+22	1,899673E+22	2,175388E+22
-755	2,411205E+22	2,543909E+22	2,588160E+22	2,588133E+22	2,543869E+22	2,411185E+22	2,175378E+22	1,899656E+22	1,708148E+22	1,708158E+22	1,899689E+22	2,175428E+22
-754	2,411220E+22	2,543879E+22	2,588117E+22	2,588072E+22	2,543801E+22	2,411149E+22	2,175375E+22	1,899657E+22	1,708134E+22	1,708123E+22	1,899623E+22	2,175330E+22
-753	2,411103E+22	2,543759E+22	2,588072E+22	2,588120E+22	2,543872E+22	2,411193E+22	2,175386E+22	1,899652E+22	1,708128E+22	1,708122E+22	1,899640E+22	2,175387E+22
-752	2,411227E+22	2,543907E+22	2,588147E+22	2,588149E+22	2,543891E+22	2,411192E+22	2,175359E+22	1,899605E+22	1,708079E+22	1,708100E+22	1,899645E+22	2,175377E+22
-751	2,411159E+22	2,543809E+22	2,588032E+22	2,588030E+22	2,543831E+22	2,411206E+22	2,175407E+22	1,899644E+22	1,708087E+22	1,708069E+22	1,899593E+22	2,175328E+22
-750	2,411116E+22	2,543798E+22	2,588103E+22	2,588113E+22	2,543863E+22	2,411202E+22	2,175395E+22	1,899642E+22	1,708096E+22	1,708085E+22	1,899624E+22	2,175410E+22
-749	2,411259E+22	2,543910E+22	2,588134E+22	2,588103E+22	2,543824E+22	2,411151E+22	2,175356E+22	1,899623E+22	1,708103E+22	1,708113E+22	1,899628E+22	2,175334E+22
-748	2,411120E+22	2,543771E+22	2,588016E+22	2,588043E+22	2,543823E+22	2,411177E+22	2,175396E+22	1,899673E+22	1,708146E+22	1,708133E+22	1,899636E+22	2,175344E+22
-747	2,411146E+22	2,543861E+22	2,588145E+22	2,588142E+22	2,543888E+22	2,411194E+22	2,175368E+22	1,899638E+22	1,708135E+22	1,708157E+22	1,899699E+22	2,175440E+22
-746	2,411222E+22	2,543868E+22	2,588111E+22	2,588081E+22	2,543819E+22	2,411165E+22	2,175382E+22	1,899664E+22	1,708160E+22	1,708169E+22	1,899677E+22	2,175377E+22
-745	2,411126E+22	2,543740E+22	2,588018E+22	2,588071E+22	2,543847E+22	2,411198E+22	2,175424E+22	1,899719E+22	1,708213E+22	1,708203E+22	1,899696E+22	2,175414E+22
-744	2,411239E+22	2,543919E+22	2,588146E+22	2,588126E+22	2,543865E+22	2,411191E+22	2,175408E+22	1,899711E+22	1,708220E+22	1,708229E+22	1,899730E+22	2,175424E+22
-743	2,411192E+22	2,543849E+22	2,588079E+22	2,588041E+22	2,543793E+22	2,411175E+22	2,175441E+22	1,899766E+22	1,708272E+22	1,708250E+22	1,899704E+22	2,175353E+22
-742	2,411093E+22	2,543772E+22	2,588101E+22	2,588125E+22	2,543850E+22	2,411180E+22	2,175430E+22	1,899772E+22	1,708300E+22	1,708290E+22	1,899755E+22	2,175436E+22
-741	2,411226E+22	2,543893E+22	2,588148E+22	2,588141E+22	2,543856E+22	2,411167E+22	2,175394E+22	1,899732E+22	1,708287E+22	1,708317E+22	1,899787E+22	2,175413E+22
-740	2,411121E+22	2,543747E+22	2,587996E+22	2,588024E+22	2,543817E+22	2,411197E+22	2,175453E+22	1,899781E+22	1,708302E+22	1,708295E+22	1,899757E+22	2,175403E+22
-739	2,411138E+22	2,543807E+22	2,588095E+22	2,588109E+22	2,543866E+22	2,411206E+22	2,175433E+22	1,899750E+22	1,708271E+22	1,708276E+22	1,899771E+22	2,175479E+22
-738	2,411259E+22	2,543895E+22	2,588116E+22	2,588077E+22	2,543799E+22	2,411152E+22	2,175408E+22	1,899737E+22	1,708257E+22	1,708255E+22	1,899725E+22	2,175391E+22
-737	2,411136E+22	2,543757E+22	2,588010E+22	2,588042E+22	2,543810E+22	2,411167E+22	2,175422E+22	1,899751E+22	1,708261E+22	1,708241E+22	1,899705E+22	2,175385E+22
-736	2,411191E+22	2,543903E+22	2,588166E+22	2,588145E+22	2,543866E+22	2,411178E+22	2,175389E+22	1,899694E+22	1,708205E+22	1,708217E+22	1,899724E+22	2,175423E+22
-735	2,411184E+22	2,543844E+22	2,588103E+22	2,588079E+22	2,543813E+22	2,411168E+22	2,175401E+22	1,899695E+22	1,708190E+22	1,708184E+22	1,899670E+22	2,175346E+22
-734	2,411085E+22	2,543731E+22	2,588049E+22	2,588105E+22	2,543859E+22	2,411193E+22	2,175407E+22	1,899691E+22	1,708176E+22	1,708169E+22	1,899674E+22	2,175401E+22
-733	2,411229E+22	2,543901E+22	2,588131E+22	2,588131E+22	2,543875E+22	2,411188E+22	2,175375E+22	1,899646E+22	1,708144E+22	1,708168E+22	1,899687E+22	2,175385E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-732	2,411151E+22	2,543795E+22	2,588009E+22	2,587997E+22	2,543793E+22	2,411188E+22	2,175425E+22	1,899701E+22	1,708169E+22	1,708148E+22	1,899640E+22	2,175340E+22
-731	2,411115E+22	2,543798E+22	2,588091E+22	2,588099E+22	2,543843E+22	2,411183E+22	2,175402E+22	1,899690E+22	1,708175E+22	1,708164E+22	1,899671E+22	2,175411E+22
-730	2,411235E+22	2,543903E+22	2,588147E+22	2,588120E+22	2,543821E+22	2,411135E+22	2,175359E+22	1,899667E+22	1,708179E+22	1,708190E+22	1,899689E+22	2,175371E+22
-729	2,411118E+22	2,543738E+22	2,587986E+22	2,588032E+22	2,543816E+22	2,411164E+22	2,175392E+22	1,899700E+22	1,708209E+22	1,708210E+22	1,899699E+22	2,175382E+22
-728	2,411162E+22	2,543857E+22	2,588128E+22	2,588123E+22	2,543867E+22	2,411194E+22	2,175400E+22	1,899690E+22	1,708197E+22	1,708218E+22	1,899740E+22	2,175457E+22
-727	2,411223E+22	2,543865E+22	2,588103E+22	2,588069E+22	2,543799E+22	2,411164E+22	2,175414E+22	1,899727E+22	1,708237E+22	1,708235E+22	1,899712E+22	2,175378E+22
-726	2,411115E+22	2,543746E+22	2,588028E+22	2,588061E+22	2,543816E+22	2,411174E+22	2,175437E+22	1,899774E+22	1,708292E+22	1,708272E+22	1,899726E+22	2,175401E+22
-725	2,411213E+22	2,543916E+22	2,588165E+22	2,588144E+22	2,543861E+22	2,411175E+22	2,175408E+22	1,899752E+22	1,708307E+22	1,708326E+22	1,899786E+22	2,175418E+22
-724	2,411148E+22	2,543803E+22	2,588053E+22	2,588040E+22	2,543794E+22	2,411172E+22	2,175452E+22	1,899813E+22	1,708355E+22	1,708343E+22	1,899774E+22	2,175380E+22
-723	2,411081E+22	2,543736E+22	2,588054E+22	2,588106E+22	2,543859E+22	2,411197E+22	2,175453E+22	1,899813E+22	1,708363E+22	1,708360E+22	1,899810E+22	2,175461E+22
-722	2,411219E+22	2,543874E+22	2,588129E+22	2,588127E+22	2,543844E+22	2,411170E+22	2,175424E+22	1,899785E+22	1,708348E+22	1,708369E+22	1,899831E+22	2,175457E+22
-721	2,411145E+22	2,543737E+22	2,587964E+22	2,587989E+22	2,543783E+22	2,411174E+22	2,175460E+22	1,899823E+22	1,708364E+22	1,708353E+22	1,899794E+22	2,175423E+22
-720	2,411160E+22	2,543834E+22	2,588104E+22	2,588086E+22	2,543820E+22	2,411182E+22	2,175452E+22	1,899801E+22	1,708336E+22	1,708332E+22	1,899796E+22	2,175470E+22
-719	2,411238E+22	2,543894E+22	2,588135E+22	2,588091E+22	2,543785E+22	2,411133E+22	2,175415E+22	1,899780E+22	1,708326E+22	1,708323E+22	1,899764E+22	2,175384E+22
-718	2,411104E+22	2,543745E+22	2,588019E+22	2,588058E+22	2,543811E+22	2,411151E+22	2,175413E+22	1,899772E+22	1,708311E+22	1,708298E+22	1,899745E+22	2,175392E+22
-717	2,411169E+22	2,543880E+22	2,588154E+22	2,588151E+22	2,543880E+22	2,411187E+22	2,175391E+22	1,899709E+22	1,708253E+22	1,708281E+22	1,899771E+22	2,175438E+22
-716	2,411166E+22	2,543804E+22	2,588058E+22	2,588051E+22	2,543804E+22	2,411178E+22	2,175432E+22	1,899742E+22	1,708246E+22	1,708238E+22	1,899711E+22	2,175372E+22
-715	2,411100E+22	2,543726E+22	2,588009E+22	2,588069E+22	2,543841E+22	2,411192E+22	2,175434E+22	1,899744E+22	1,708239E+22	1,708218E+22	1,899697E+22	2,175400E+22
-714	2,411217E+22	2,543906E+22	2,588139E+22	2,588124E+22	2,543846E+22	2,411169E+22	2,175394E+22	1,899706E+22	1,708221E+22	1,708228E+22	1,899722E+22	2,175401E+22
-713	2,411144E+22	2,543781E+22	2,588004E+22	2,587994E+22	2,543769E+22	2,411151E+22	2,175414E+22	1,899738E+22	1,708246E+22	1,708232E+22	1,899698E+22	2,175356E+22
-712	2,411108E+22	2,543795E+22	2,588092E+22	2,588095E+22	2,543823E+22	2,411165E+22	2,175410E+22	1,899728E+22	1,708241E+22	1,708240E+22	1,899727E+22	2,175426E+22
-711	2,411211E+22	2,543876E+22	2,588135E+22	2,588122E+22	2,543824E+22	2,411143E+22	2,175379E+22	1,899708E+22	1,708244E+22	1,708263E+22	1,899746E+22	2,175397E+22
-710	2,411116E+22	2,543732E+22	2,587976E+22	2,588023E+22	2,543804E+22	2,411157E+22	2,175406E+22	1,899740E+22	1,708267E+22	1,708265E+22	1,899736E+22	2,175399E+22
-709	2,411167E+22	2,543860E+22	2,588122E+22	2,588115E+22	2,543859E+22	2,411191E+22	2,175414E+22	1,899736E+22	1,708275E+22	1,708293E+22	1,899777E+22	2,175456E+22
-708	2,411206E+22	2,543850E+22	2,588090E+22	2,588054E+22	2,543780E+22	2,411158E+22	2,175443E+22	1,899795E+22	1,708330E+22	1,708321E+22	1,899761E+22	2,175384E+22
-707	2,411099E+22	2,543732E+22	2,588013E+22	2,588059E+22	2,543811E+22	2,411164E+22	2,175453E+22	1,899833E+22	1,708380E+22	1,708359E+22	1,899779E+22	2,175401E+22
-706	2,411171E+22	2,543883E+22	2,588159E+22	2,588155E+22	2,543865E+22	2,411173E+22	2,175423E+22	1,899804E+22	1,708388E+22	1,708407E+22	1,899853E+22	2,175461E+22
-705	2,411142E+22	2,543760E+22	2,588006E+22	2,588010E+22	2,543778E+22	2,411162E+22	2,175457E+22	1,899848E+22	1,708423E+22	1,708424E+22	1,899841E+22	2,175424E+22
-704	2,411102E+22	2,543735E+22	2,588026E+22	2,588060E+22	2,543814E+22	2,411185E+22	2,175482E+22	1,899864E+22	1,708424E+22	1,708417E+22	1,899849E+22	2,175482E+22
-703	2,411228E+22	2,543880E+22	2,588124E+22	2,588104E+22	2,543813E+22	2,411154E+22	2,175443E+22	1,899838E+22	1,708418E+22	1,708427E+22	1,899860E+22	2,175460E+22
-702	2,411147E+22	2,543762E+22	2,587988E+22	2,587985E+22	2,543750E+22	2,411137E+22	2,175452E+22	1,899856E+22	1,708423E+22	1,708405E+22	1,899814E+22	2,175413E+22
-701	2,411143E+22	2,543841E+22	2,588134E+22	2,588117E+22	2,543826E+22	2,411162E+22	2,175436E+22	1,899822E+22	1,708398E+22	1,708403E+22	1,899833E+22	2,175461E+22
-700	2,411199E+22	2,543856E+22	2,588122E+22	2,588104E+22	2,543804E+22	2,411143E+22	2,175428E+22	1,899813E+22	1,708383E+22	1,708388E+22	1,899812E+22	2,175400E+22
-699	2,411087E+22	2,543711E+22	2,587983E+22	2,588052E+22	2,543831E+22	2,411175E+22	2,175442E+22	1,899811E+22	1,708361E+22	1,708348E+22	1,899780E+22	2,175402E+22
-698	2,411149E+22	2,543854E+22	2,588136E+22	2,588143E+22	2,543881E+22	2,411202E+22	2,175429E+22	1,899767E+22	1,708313E+22	1,708326E+22	1,899804E+22	2,175467E+22
-697	2,411175E+22	2,543785E+22	2,588017E+22	2,588006E+22	2,543769E+22	2,411160E+22	2,175445E+22	1,899793E+22	1,708320E+22	1,708305E+22	1,899749E+22	2,175387E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411109E+22	2,543740E+22	2,588006E+22	2,588032E+22	2,543787E+22	2,411164E+22	2,175455E+22	1,899801E+22	1,708316E+22	1,708291E+22	1,899737E+22	2,175402E+22
-695	2,411194E+22	2,543893E+22	2,588147E+22	2,588128E+22	2,543825E+22	2,411137E+22	2,175392E+22	1,899749E+22	1,708299E+22	1,708311E+22	1,899778E+22	2,175413E+22
-694	2,411124E+22	2,543767E+22	2,588002E+22	2,587995E+22	2,543759E+22	2,411124E+22	2,175392E+22	1,899752E+22	1,708300E+22	1,708300E+22	1,899754E+22	2,175384E+22
-693	2,411104E+22	2,543782E+22	2,588085E+22	2,588098E+22	2,543831E+22	2,411164E+22	2,175403E+22	1,899742E+22	1,708293E+22	1,708308E+22	1,899778E+22	2,175452E+22
-692	2,411211E+22	2,543855E+22	2,588105E+22	2,588099E+22	2,543816E+22	2,411151E+22	2,175409E+22	1,899758E+22	1,708306E+22	1,708321E+22	1,899784E+22	2,175419E+22
-691	2,411130E+22	2,543736E+22	2,587959E+22	2,588005E+22	2,543795E+22	2,411159E+22	2,175437E+22	1,899803E+22	1,708342E+22	1,708323E+22	1,899757E+22	2,175388E+22
-690	2,411144E+22	2,543859E+22	2,588140E+22	2,588125E+22	2,543850E+22	2,411184E+22	2,175442E+22	1,899808E+22	1,708365E+22	1,708363E+22	1,899813E+22	2,175461E+22
-689	2,411181E+22	2,543819E+22	2,588073E+22	2,588049E+22	2,543770E+22	2,411138E+22	2,175448E+22	1,899850E+22	1,708425E+22	1,708419E+22	1,899824E+22	2,175399E+22
-688	2,411082E+22	2,543712E+22	2,587996E+22	2,588038E+22	2,543792E+22	2,411163E+22	2,175480E+22	1,899887E+22	1,708461E+22	1,708446E+22	1,899844E+22	2,175425E+22
-687	2,411149E+22	2,543843E+22	2,588133E+22	2,588139E+22	2,543854E+22	2,411176E+22	2,175450E+22	1,899859E+22	1,708464E+22	1,708487E+22	1,899914E+22	2,175493E+22
-686	2,411150E+22	2,543757E+22	2,587989E+22	2,587983E+22	2,543748E+22	2,411141E+22	2,175463E+22	1,899888E+22	1,708485E+22	1,708485E+22	1,899883E+22	2,175450E+22
-685	2,411121E+22	2,543753E+22	2,588032E+22	2,588047E+22	2,543792E+22	2,411162E+22	2,175475E+22	1,899899E+22	1,708495E+22	1,708488E+22	1,899883E+22	2,175483E+22
-684	2,411219E+22	2,543879E+22	2,588128E+22	2,588098E+22	2,543794E+22	2,411138E+22	2,175455E+22	1,899887E+22	1,708492E+22	1,708499E+22	1,899900E+22	2,175463E+22
-683	2,411135E+22	2,543754E+22	2,587994E+22	2,588006E+22	2,543762E+22	2,411127E+22	2,175454E+22	1,899892E+22	1,708486E+22	1,708469E+22	1,899850E+22	2,175410E+22
-682	2,411104E+22	2,543807E+22	2,588133E+22	2,588139E+22	2,543851E+22	2,411176E+22	2,175450E+22	1,899857E+22	1,708452E+22	1,708455E+22	1,899878E+22	2,175491E+22
-681	2,411187E+22	2,543810E+22	2,588077E+22	2,588080E+22	2,543803E+22	2,411152E+22	2,175444E+22	1,899846E+22	1,708436E+22	1,708447E+22	1,899859E+22	2,175430E+22
-680	2,411101E+22	2,543707E+22	2,587954E+22	2,587999E+22	2,543787E+22	2,411173E+22	2,175480E+22	1,899863E+22	1,708416E+22	1,708396E+22	1,899808E+22	2,175410E+22
-679	2,411140E+22	2,543840E+22	2,588120E+22	2,588111E+22	2,543847E+22	2,411186E+22	2,175450E+22	1,899823E+22	1,708387E+22	1,708388E+22	1,899832E+22	2,175464E+22
-678	2,411169E+22	2,543796E+22	2,588028E+22	2,587991E+22	2,543731E+22	2,411117E+22	2,175429E+22	1,899823E+22	1,708385E+22	1,708371E+22	1,899785E+22	2,175389E+22
-677	2,411098E+22	2,543738E+22	2,588021E+22	2,588045E+22	2,543781E+22	2,411132E+22	2,175424E+22	1,899816E+22	1,708382E+22	1,708370E+22	1,899787E+22	2,175411E+22
-676	2,411171E+22	2,543861E+22	2,588129E+22	2,588125E+22	2,543832E+22	2,411141E+22	2,175400E+22	1,899779E+22	1,708357E+22	1,708380E+22	1,899835E+22	2,175445E+22
-675	2,411128E+22	2,543747E+22	2,587982E+22	2,587994E+22	2,543770E+22	2,411135E+22	2,175413E+22	1,899789E+22	1,708350E+22	1,708350E+22	1,899788E+22	2,175400E+22
-674	2,411099E+22	2,543771E+22	2,588081E+22	2,588099E+22	2,543836E+22	2,411179E+22	2,175439E+22	1,899801E+22	1,708356E+22	1,708354E+22	1,899807E+22	2,175473E+22
-673	2,411216E+22	2,543845E+22	2,588083E+22	2,588070E+22	2,543794E+22	2,411145E+22	2,175433E+22	1,899820E+22	1,708393E+22	1,708398E+22	1,899823E+22	2,175421E+22
-672	2,411125E+22	2,543745E+22	2,587968E+22	2,587977E+22	2,543752E+22	2,411146E+22	2,175473E+22	1,899876E+22	1,708439E+22	1,708413E+22	1,899804E+22	2,175381E+22
-671	2,411102E+22	2,543821E+22	2,588137E+22	2,588131E+22	2,543844E+22	2,411171E+22	2,175456E+22	1,899872E+22	1,708468E+22	1,708468E+22	1,899879E+22	2,175471E+22
-670	2,411156E+22	2,543792E+22	2,588054E+22	2,588036E+22	2,543758E+22	2,411120E+22	2,175440E+22	1,899883E+22	1,708501E+22	1,708509E+22	1,899895E+22	2,175436E+22
-669	2,411084E+22	2,543694E+22	2,587977E+22	2,588020E+22	2,543779E+22	2,411151E+22	2,175476E+22	1,899917E+22	1,708531E+22	1,708527E+22	1,899905E+22	2,175461E+22
-668	2,411159E+22	2,543827E+22	2,588103E+22	2,588103E+22	2,543827E+22	2,411168E+22	2,175473E+22	1,899911E+22	1,708533E+22	1,708552E+22	1,899959E+22	2,175521E+22
-667	2,411171E+22	2,543767E+22	2,587991E+22	2,587974E+22	2,543729E+22	2,411123E+22	2,175474E+22	1,899935E+22	1,708552E+22	1,708541E+22	1,899906E+22	2,175444E+22
-666	2,411109E+22	2,543762E+22	2,588067E+22	2,588075E+22	2,543794E+22	2,411153E+22	2,175485E+22	1,899943E+22	1,708561E+22	1,708546E+22	1,899917E+22	2,175489E+22
-665	2,411199E+22	2,543854E+22	2,588119E+22	2,588102E+22	2,543800E+22	2,411131E+22	2,175454E+22	1,899920E+22	1,708560E+22	1,708573E+22	1,899948E+22	2,175470E+22
-664	2,411116E+22	2,543735E+22	2,587983E+22	2,587990E+22	2,543758E+22	2,411147E+22	2,175487E+22	1,899934E+22	1,708543E+22	1,708530E+22	1,899894E+22	2,175421E+22
-663	2,411077E+22	2,543759E+22	2,588104E+22	2,588128E+22	2,543852E+22	2,411191E+22	2,175485E+22	1,899909E+22	1,708514E+22	1,708513E+22	1,899912E+22	2,175501E+22
-662	2,411187E+22	2,543797E+22	2,588046E+22	2,588041E+22	2,543772E+22	2,411136E+22	2,175454E+22	1,899886E+22	1,708493E+22	1,708498E+22	1,899890E+22	2,175444E+22
-661	2,411111E+22	2,543714E+22	2,587951E+22	2,587971E+22	2,543752E+22	2,411146E+22	2,175474E+22	1,899899E+22	1,708487E+22	1,708464E+22	1,899842E+22	2,175411E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411130E+22	2,543829E+22	2,588114E+22	2,588091E+22	2,543812E+22	2,411159E+22	2,175455E+22	1,899867E+22	1,708459E+22	1,708462E+22	1,899880E+22	2,175476E+22
-659	2,411160E+22	2,543781E+22	2,588030E+22	2,588006E+22	2,543730E+22	2,411094E+22	2,175417E+22	1,899847E+22	1,708443E+22	1,708437E+22	1,899831E+22	2,175400E+22
-658	2,411079E+22	2,543717E+22	2,588025E+22	2,588064E+22	2,543800E+22	2,411138E+22	2,175426E+22	1,899837E+22	1,708426E+22	1,708422E+22	1,899837E+22	2,175448E+22
-657	2,411175E+22	2,543832E+22	2,588094E+22	2,588100E+22	2,543826E+22	2,411146E+22	2,175415E+22	1,899813E+22	1,708411E+22	1,708437E+22	1,899877E+22	2,175471E+22
-656	2,411148E+22	2,543757E+22	2,587975E+22	2,587956E+22	2,543738E+22	2,411142E+22	2,175457E+22	1,899849E+22	1,708415E+22	1,708403E+22	1,899812E+22	2,175398E+22
-655	2,411086E+22	2,543759E+22	2,588082E+22	2,588089E+22	2,543817E+22	2,411175E+22	2,175472E+22	1,899874E+22	1,708449E+22	1,708430E+22	1,899833E+22	2,175452E+22
-654	2,411195E+22	2,543844E+22	2,588093E+22	2,588067E+22	2,543771E+22	2,411118E+22	2,175434E+22	1,899870E+22	1,708482E+22	1,708487E+22	1,899873E+22	2,175422E+22
-653	2,411099E+22	2,543726E+22	2,587973E+22	2,587986E+22	2,543749E+22	2,411127E+22	2,175461E+22	1,899915E+22	1,708531E+22	1,708516E+22	1,899872E+22	2,175397E+22
-652	2,411073E+22	2,543770E+22	2,588100E+22	2,588112E+22	2,543841E+22	2,411180E+22	2,175479E+22	1,899922E+22	1,708549E+22	1,708561E+22	1,899955E+22	2,175514E+22
-651	2,411163E+22	2,543763E+22	2,588025E+22	2,588024E+22	2,543752E+22	2,411119E+22	2,175460E+22	1,899929E+22	1,708568E+22	1,708579E+22	1,899948E+22	2,175467E+22
-650	2,411096E+22	2,543689E+22	2,587968E+22	2,588010E+22	2,543769E+22	2,411149E+22	2,175496E+22	1,899967E+22	1,708595E+22	1,708584E+22	1,899947E+22	2,175492E+22
-649	2,411176E+22	2,543829E+22	2,588090E+22	2,588074E+22	2,543796E+22	2,411150E+22	2,175485E+22	1,899962E+22	1,708612E+22	1,708627E+22	1,900001E+22	2,175530E+22
-648	2,411176E+22	2,543787E+22	2,588015E+22	2,587963E+22	2,543694E+22	2,411108E+22	2,175495E+22	1,899985E+22	1,708625E+22	1,708612E+22	1,899944E+22	2,175435E+22
-647	2,411070E+22	2,543727E+22	2,588068E+22	2,588093E+22	2,543802E+22	2,411151E+22	2,175496E+22	1,899988E+22	1,708636E+22	1,708622E+22	1,899960E+22	2,175485E+22
-646	2,411175E+22	2,543829E+22	2,588098E+22	2,588093E+22	2,543800E+22	2,411132E+22	2,175455E+22	1,899941E+22	1,708610E+22	1,708635E+22	1,899996E+22	2,175493E+22
-645	2,411114E+22	2,543715E+22	2,587960E+22	2,587967E+22	2,543743E+22	2,411143E+22	2,175492E+22	1,899965E+22	1,708601E+22	1,708587E+22	1,899930E+22	2,175436E+22
-644	2,411077E+22	2,543734E+22	2,588063E+22	2,588084E+22	2,543819E+22	2,411188E+22	2,175514E+22	1,899963E+22	1,708579E+22	1,708568E+22	1,899944E+22	2,175512E+22
-643	2,411193E+22	2,543795E+22	2,588044E+22	2,588030E+22	2,543741E+22	2,411108E+22	2,175459E+22	1,899929E+22	1,708556E+22	1,708553E+22	1,899912E+22	2,175436E+22
-642	2,411096E+22	2,543713E+22	2,587974E+22	2,587991E+22	2,543743E+22	2,411124E+22	2,175469E+22	1,899931E+22	1,708542E+22	1,708522E+22	1,899884E+22	2,175424E+22
-641	2,411116E+22	2,543805E+22	2,588101E+22	2,588088E+22	2,543806E+22	2,411144E+22	2,175446E+22	1,899890E+22	1,708518E+22	1,708535E+22	1,899935E+22	2,175496E+22
-640	2,411157E+22	2,543774E+22	2,588027E+22	2,587990E+22	2,543720E+22	2,411109E+22	2,175443E+22	1,899879E+22	1,708491E+22	1,708494E+22	1,899875E+22	2,175416E+22
-639	2,411066E+22	2,543686E+22	2,588010E+22	2,588064E+22	2,543805E+22	2,411155E+22	2,175460E+22	1,899889E+22	1,708489E+22	1,708479E+22	1,899867E+22	2,175451E+22
-638	2,411181E+22	2,543834E+22	2,588078E+22	2,588076E+22	2,543807E+22	2,411141E+22	2,175431E+22	1,899860E+22	1,708478E+22	1,708498E+22	1,899907E+22	2,175475E+22
-637	2,411148E+22	2,543765E+22	2,587984E+22	2,587946E+22	2,543714E+22	2,411124E+22	2,175465E+22	1,899906E+22	1,708509E+22	1,708487E+22	1,899853E+22	2,175393E+22
-636	2,411060E+22	2,543729E+22	2,588069E+22	2,588080E+22	2,543797E+22	2,411162E+22	2,175493E+22	1,899940E+22	1,708546E+22	1,708529E+22	1,899898E+22	2,175464E+22
-635	2,411167E+22	2,543802E+22	2,588079E+22	2,588079E+22	2,543771E+22	2,411105E+22	2,175436E+22	1,899914E+22	1,708563E+22	1,708579E+22	1,899942E+22	2,175447E+22
-634	2,411084E+22	2,543694E+22	2,587958E+22	2,587988E+22	2,543755E+22	2,411134E+22	2,175474E+22	1,899950E+22	1,708592E+22	1,708591E+22	1,899946E+22	2,175450E+22
-633	2,411090E+22	2,543747E+22	2,588053E+22	2,588064E+22	2,543806E+22	2,411170E+22	2,175495E+22	1,899966E+22	1,708616E+22	1,708633E+22	1,900011E+22	2,175550E+22
-632	2,411194E+22	2,543784E+22	2,588019E+22	2,587979E+22	2,543705E+22	2,411112E+22	2,175490E+22	1,899984E+22	1,708638E+22	1,708639E+22	1,899979E+22	2,175472E+22
-631	2,411094E+22	2,543695E+22	2,587984E+22	2,588014E+22	2,543751E+22	2,411134E+22	2,175512E+22	1,900025E+22	1,708678E+22	1,708655E+22	1,899971E+22	2,175473E+22
-630	2,411163E+22	2,543836E+22	2,588104E+22	2,588082E+22	2,543781E+22	2,411124E+22	2,175477E+22	1,899996E+22	1,708683E+22	1,708700E+22	1,900041E+22	2,175526E+22
-629	2,411151E+22	2,543771E+22	2,588026E+22	2,587985E+22	2,543705E+22	2,411102E+22	2,175490E+22	1,900018E+22	1,708697E+22	1,708688E+22	1,899993E+22	2,175441E+22
-628	2,411039E+22	2,543677E+22	2,588033E+22	2,588082E+22	2,543806E+22	2,411171E+22	2,175530E+22	1,900037E+22	1,708700E+22	1,708690E+22	1,900012E+22	2,175504E+22
-627	2,411163E+22	2,543792E+22	2,588069E+22	2,588085E+22	2,543794E+22	2,411137E+22	2,175481E+22	1,899987E+22	1,708666E+22	1,708686E+22	1,900029E+22	2,175505E+22
-626	2,411114E+22	2,543706E+22	2,587947E+22	2,587953E+22	2,543727E+22	2,411141E+22	2,175514E+22	1,900011E+22	1,708656E+22	1,708639E+22	1,899968E+22	2,175454E+22
-625	2,411082E+22	2,543727E+22	2,588038E+22	2,588042E+22	2,543773E+22	2,411161E+22	2,175521E+22	1,900010E+22	1,708653E+22	1,708641E+22	1,899988E+22	2,175520E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411192E+22	2,543806E+22	2,588054E+22	2,588015E+22	2,543705E+22	2,411086E+22	2,175465E+22	1,899967E+22	1,708622E+22	1,708622E+22	1,899959E+22	2,175441E+22
-623	2,411069E+22	2,543685E+22	2,587972E+22	2,588010E+22	2,543752E+22	2,411116E+22	2,175466E+22	1,899959E+22	1,708603E+22	1,708591E+22	1,899930E+22	2,175436E+22
-622	2,411112E+22	2,543792E+22	2,588081E+22	2,588078E+22	2,543801E+22	2,411140E+22	2,175442E+22	1,899903E+22	1,708558E+22	1,708588E+22	1,899983E+22	2,175525E+22
-621	2,411169E+22	2,543772E+22	2,588020E+22	2,587982E+22	2,543707E+22	2,411103E+22	2,175451E+22	1,899913E+22	1,708545E+22	1,708543E+22	1,899906E+22	2,175428E+22
-620	2,411066E+22	2,543672E+22	2,587986E+22	2,588037E+22	2,543784E+22	2,411160E+22	2,175498E+22	1,899952E+22	1,708562E+22	1,708540E+22	1,899897E+22	2,175448E+22
-619	2,411168E+22	2,543828E+22	2,588087E+22	2,588083E+22	2,543790E+22	2,411127E+22	2,175447E+22	1,899915E+22	1,708557E+22	1,708567E+22	1,899938E+22	2,175463E+22
-618	2,411122E+22	2,543750E+22	2,587993E+22	2,587967E+22	2,543714E+22	2,411115E+22	2,175474E+22	1,899953E+22	1,708584E+22	1,708570E+22	1,899914E+22	2,175409E+22
-617	2,411037E+22	2,543689E+22	2,588029E+22	2,588060E+22	2,543786E+22	2,411157E+22	2,175504E+22	1,899986E+22	1,708630E+22	1,708624E+22	1,899974E+22	2,175498E+22
-616	2,411165E+22	2,543786E+22	2,588056E+22	2,588045E+22	2,543747E+22	2,411112E+22	2,175466E+22	1,899962E+22	1,708632E+22	1,708654E+22	1,900003E+22	2,175479E+22
-615	2,411081E+22	2,543668E+22	2,587934E+22	2,587973E+22	2,543739E+22	2,411132E+22	2,175501E+22	1,900009E+22	1,708669E+22	1,708661E+22	1,899986E+22	2,175466E+22
-614	2,411111E+22	2,543765E+22	2,588041E+22	2,588034E+22	2,543769E+22	2,411146E+22	2,175500E+22	1,900009E+22	1,708689E+22	1,708703E+22	1,900052E+22	2,175561E+22
-613	2,411202E+22	2,543809E+22	2,588045E+22	2,587980E+22	2,543675E+22	2,411078E+22	2,175487E+22	1,900034E+22	1,708724E+22	1,708718E+22	1,900017E+22	2,175465E+22
-612	2,411068E+22	2,543677E+22	2,587986E+22	2,588023E+22	2,543745E+22	2,411124E+22	2,175527E+22	1,900081E+22	1,708764E+22	1,708741E+22	1,900025E+22	2,175475E+22
-611	2,411126E+22	2,543798E+22	2,588102E+22	2,588109E+22	2,543796E+22	2,411124E+22	2,175482E+22	1,900031E+22	1,708749E+22	1,708771E+22	1,900091E+22	2,175539E+22
-610	2,411128E+22	2,543735E+22	2,588005E+22	2,587992E+22	2,543721E+22	2,411121E+22	2,175514E+22	1,900053E+22	1,708745E+22	1,708747E+22	1,900049E+22	2,175476E+22
-609	2,411041E+22	2,543645E+22	2,587975E+22	2,588032E+22	2,543777E+22	2,411170E+22	2,175559E+22	1,900089E+22	1,708764E+22	1,708752E+22	1,900057E+22	2,175528E+22
-608	2,411175E+22	2,543800E+22	2,588052E+22	2,588036E+22	2,543748E+22	2,411129E+22	2,175510E+22	1,900041E+22	1,708732E+22	1,708741E+22	1,900058E+22	2,175506E+22
-607	2,411101E+22	2,543702E+22	2,587953E+22	2,587952E+22	2,543704E+22	2,411117E+22	2,175521E+22	1,900060E+22	1,708731E+22	1,708706E+22	1,899996E+22	2,175446E+22
-606	2,411074E+22	2,543734E+22	2,588041E+22	2,588039E+22	2,543750E+22	2,411125E+22	2,175500E+22	1,900028E+22	1,708709E+22	1,708710E+22	1,900038E+22	2,175532E+22
-605	2,411180E+22	2,543800E+22	2,588062E+22	2,588029E+22	2,543708E+22	2,411071E+22	2,175452E+22	1,899987E+22	1,708677E+22	1,708684E+22	1,900006E+22	2,175461E+22
-604	2,411057E+22	2,543655E+22	2,587945E+22	2,588004E+22	2,543758E+22	2,411133E+22	2,175494E+22	1,899998E+22	1,708653E+22	1,708643E+22	1,899973E+22	2,175459E+22
-603	2,411108E+22	2,543770E+22	2,588066E+22	2,588079E+22	2,543799E+22	2,411144E+22	2,175467E+22	1,899946E+22	1,708607E+22	1,708628E+22	1,900004E+22	2,175532E+22
-602	2,411170E+22	2,543774E+22	2,588020E+22	2,587983E+22	2,543705E+22	2,411111E+22	2,175481E+22	1,899964E+22	1,708603E+22	1,708597E+22	1,899941E+22	2,175435E+22
-601	2,411058E+22	2,543665E+22	2,587964E+22	2,588005E+22	2,543744E+22	2,411140E+22	2,175518E+22	1,900014E+22	1,708650E+22	1,708624E+22	1,899946E+22	2,175448E+22
-600	2,411142E+22	2,543816E+22	2,588083E+22	2,588067E+22	2,543765E+22	2,411115E+22	2,175464E+22	1,899969E+22	1,708642E+22	1,708655E+22	1,899996E+22	2,175471E+22
-599	2,411087E+22	2,543708E+22	2,587974E+22	2,587974E+22	2,543720E+22	2,411111E+22	2,175481E+22	1,899998E+22	1,708666E+22	1,708659E+22	1,899975E+22	2,175434E+22
-598	2,411041E+22	2,543673E+22	2,587990E+22	2,588022E+22	2,543756E+22	2,411139E+22	2,175504E+22	1,900016E+22	1,708691E+22	1,708699E+22	1,900038E+22	2,175540E+22
-597	2,411186E+22	2,543793E+22	2,588045E+22	2,588022E+22	2,543714E+22	2,411086E+22	2,175472E+22	1,900011E+22	1,708705E+22	1,708718E+22	1,900045E+22	2,175500E+22
-596	2,411091E+22	2,543672E+22	2,587926E+22	2,587953E+22	2,543711E+22	2,411117E+22	2,175524E+22	1,900070E+22	1,708749E+22	1,708730E+22	1,900022E+22	2,175468E+22
-595	2,411099E+22	2,543766E+22	2,588069E+22	2,588059E+22	2,543756E+22	2,411122E+22	2,175504E+22	1,900056E+22	1,708764E+22	1,708772E+22	1,900084E+22	2,175551E+22
-594	2,411174E+22	2,543798E+22	2,588067E+22	2,588022E+22	2,543698E+22	2,411081E+22	2,175496E+22	1,900070E+22	1,708789E+22	1,708794E+22	1,900075E+22	2,175475E+22
-593	2,411037E+22	2,543637E+22	2,587951E+22	2,588011E+22	2,543750E+22	2,411137E+22	2,175551E+22	1,900129E+22	1,708840E+22	1,708826E+22	1,900089E+22	2,175497E+22
-592	2,411108E+22	2,543769E+22	2,588072E+22	2,588080E+22	2,543790E+22	2,411149E+22	2,175524E+22	1,900087E+22	1,708816E+22	1,708836E+22	1,900138E+22	2,175559E+22
-591	2,411118E+22	2,543703E+22	2,587970E+22	2,587973E+22	2,543712E+22	2,411126E+22	2,175548E+22	1,900117E+22	1,708823E+22	1,708811E+22	1,900080E+22	2,175488E+22
-590	2,411057E+22	2,543653E+22	2,587947E+22	2,587983E+22	2,543729E+22	2,411141E+22	2,175564E+22	1,900133E+22	1,708834E+22	1,708819E+22	1,900099E+22	2,175544E+22
-589	2,411180E+22	2,543816E+22	2,588066E+22	2,588026E+22	2,543705E+22	2,411081E+22	2,175500E+22	1,900084E+22	1,708807E+22	1,708811E+22	1,900100E+22	2,175513E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411082E+22	2,543684E+22	2,587950E+22	2,587955E+22	2,543693E+22	2,411096E+22	2,175519E+22	1,900094E+22	1,708795E+22	1,708778E+22	1,900051E+22	2,175464E+22
-587	2,411054E+22	2,543711E+22	2,588046E+22	2,588062E+22	2,543759E+22	2,411115E+22	2,175490E+22	1,900039E+22	1,708748E+22	1,708760E+22	1,900079E+22	2,175556E+22
-586	2,411179E+22	2,543787E+22	2,588053E+22	2,588036E+22	2,543722E+22	2,411085E+22	2,175466E+22	1,900004E+22	1,708702E+22	1,708721E+22	1,900045E+22	2,175485E+22
-585	2,411065E+22	2,543644E+22	2,587907E+22	2,587964E+22	2,543734E+22	2,411134E+22	2,175524E+22	1,900049E+22	1,708711E+22	1,708691E+22	1,899999E+22	2,175465E+22
-584	2,411108E+22	2,543780E+22	2,588063E+22	2,588050E+22	2,543771E+22	2,411143E+22	2,175498E+22	1,900006E+22	1,708678E+22	1,708680E+22	1,900018E+22	2,175514E+22
-583	2,411137E+22	2,543757E+22	2,588024E+22	2,587991E+22	2,543697E+22	2,411096E+22	2,175497E+22	1,900026E+22	1,708692E+22	1,708674E+22	1,899969E+22	2,175421E+22
-582	2,411036E+22	2,543650E+22	2,587947E+22	2,587991E+22	2,543726E+22	2,411115E+22	2,175512E+22	1,900050E+22	1,708728E+22	1,708713E+22	1,900012E+22	2,175470E+22
-581	2,411122E+22	2,543793E+22	2,588071E+22	2,588061E+22	2,543753E+22	2,411096E+22	2,175464E+22	1,900010E+22	1,708718E+22	1,708736E+22	1,900061E+22	2,175504E+22
-580	2,411076E+22	2,543675E+22	2,587939E+22	2,587952E+22	2,543708E+22	2,411112E+22	2,175508E+22	1,900049E+22	1,708739E+22	1,708736E+22	1,900036E+22	2,175469E+22
-579	2,411045E+22	2,543663E+22	2,587984E+22	2,588016E+22	2,543738E+22	2,411122E+22	2,175513E+22	1,900060E+22	1,708757E+22	1,708759E+22	1,900075E+22	2,175558E+22
-578	2,411197E+22	2,543807E+22	2,588055E+22	2,588024E+22	2,543706E+22	2,411080E+22	2,175488E+22	1,900055E+22	1,708772E+22	1,708787E+22	1,900090E+22	2,175510E+22
-577	2,411084E+22	2,543672E+22	2,587923E+22	2,587941E+22	2,543686E+22	2,411100E+22	2,175542E+22	1,900131E+22	1,708840E+22	1,708819E+22	1,900076E+22	2,175473E+22
-576	2,411072E+22	2,543750E+22	2,588070E+22	2,588063E+22	2,543759E+22	2,411126E+22	2,175522E+22	1,900110E+22	1,708847E+22	1,708855E+22	1,900137E+22	2,175558E+22
-575	2,411137E+22	2,543752E+22	2,588046E+22	2,588034E+22	2,543723E+22	2,411099E+22	2,175521E+22	1,900122E+22	1,708868E+22	1,708875E+22	1,900126E+22	2,175497E+22
-574	2,411040E+22	2,543617E+22	2,587905E+22	2,587965E+22	2,543725E+22	2,411134E+22	2,175569E+22	1,900170E+22	1,708904E+22	1,708896E+22	1,900146E+22	2,175532E+22
-573	2,411117E+22	2,543765E+22	2,588051E+22	2,588044E+22	2,543751E+22	2,411124E+22	2,175541E+22	1,900146E+22	1,708891E+22	1,708897E+22	1,900172E+22	2,175574E+22
-572	2,411121E+22	2,543701E+22	2,587958E+22	2,587944E+22	2,543677E+22	2,411104E+22	2,175564E+22	1,900175E+22	1,708903E+22	1,708881E+22	1,900117E+22	2,175493E+22
-571	2,411044E+22	2,543652E+22	2,587969E+22	2,587994E+22	2,543703E+22	2,411099E+22	2,175548E+22	1,900163E+22	1,708896E+22	1,708881E+22	1,900133E+22	2,175546E+22
-570	2,411164E+22	2,543809E+22	2,588083E+22	2,588055E+22	2,543722E+22	2,411074E+22	2,175492E+22	1,900098E+22	1,708849E+22	1,708872E+22	1,900153E+22	2,175532E+22
-569	2,411068E+22	2,543661E+22	2,587929E+22	2,587942E+22	2,543691E+22	2,411099E+22	2,175530E+22	1,900122E+22	1,708843E+22	1,708834E+22	1,900096E+22	2,175486E+22
-568	2,411047E+22	2,543693E+22	2,588026E+22	2,588043E+22	2,543759E+22	2,411137E+22	2,175520E+22	1,900078E+22	1,708793E+22	1,708798E+22	1,900101E+22	2,175562E+22
-567	2,411170E+22	2,543767E+22	2,588036E+22	2,588032E+22	2,543731E+22	2,411099E+22	2,175499E+22	1,900060E+22	1,708768E+22	1,708769E+22	1,900054E+22	2,175480E+22
-566	2,411071E+22	2,543652E+22	2,587889E+22	2,587923E+22	2,543696E+22	2,411114E+22	2,175535E+22	1,900097E+22	1,708785E+22	1,708760E+22	1,900035E+22	2,175465E+22
-565	2,411088E+22	2,543773E+22	2,588072E+22	2,588045E+22	2,543739E+22	2,411105E+22	2,175501E+22	1,900065E+22	1,708767E+22	1,708761E+22	1,900064E+22	2,175514E+22
-564	2,411103E+22	2,543720E+22	2,588006E+22	2,587989E+22	2,543692E+22	2,411082E+22	2,175501E+22	1,900073E+22	1,708777E+22	1,708767E+22	1,900039E+22	2,175447E+22
-563	2,411011E+22	2,543612E+22	2,587934E+22	2,587990E+22	2,543719E+22	2,411099E+22	2,175505E+22	1,900074E+22	1,708786E+22	1,708784E+22	1,900073E+22	2,175511E+22
-562	2,411133E+22	2,543777E+22	2,588052E+22	2,588049E+22	2,543749E+22	2,411099E+22	2,175478E+22	1,900036E+22	1,708763E+22	1,708798E+22	1,900119E+22	2,175544E+22
-561	2,411097E+22	2,543675E+22	2,587913E+22	2,587909E+22	2,543671E+22	2,411099E+22	2,175529E+22	1,900104E+22	1,708811E+22	1,708802E+22	1,900076E+22	2,175487E+22
-560	2,411055E+22	2,543683E+22	2,587995E+22	2,587999E+22	2,543718E+22	2,411116E+22	2,175532E+22	1,900117E+22	1,708836E+22	1,708825E+22	1,900101E+22	2,175548E+22
-559	2,411174E+22	2,543799E+22	2,588073E+22	2,588050E+22	2,543718E+22	2,411076E+22	2,175504E+22	1,900115E+22	1,708863E+22	1,708869E+22	1,900122E+22	2,175502E+22
-558	2,411067E+22	2,543658E+22	2,587913E+22	2,587935E+22	2,543684E+22	2,411093E+22	2,175548E+22	1,900175E+22	1,708922E+22	1,708910E+22	1,900140E+22	2,175494E+22
-557	2,411049E+22	2,543719E+22	2,588057E+22	2,588059E+22	2,543755E+22	2,411122E+22	2,175546E+22	1,900169E+22	1,708929E+22	1,708933E+22	1,900191E+22	2,175580E+22
-556	2,411121E+22	2,543710E+22	2,588005E+22	2,588007E+22	2,543713E+22	2,411110E+22	2,175560E+22	1,900189E+22	1,708950E+22	1,708952E+22	1,900181E+22	2,175523E+22
-555	2,411037E+22	2,543604E+22	2,587894E+22	2,587942E+22	2,543695E+22	2,411116E+22	2,175582E+22	1,900219E+22	1,708974E+22	1,708959E+22	1,900184E+22	2,175550E+22
-554	2,411128E+22	2,543774E+22	2,588056E+22	2,588028E+22	2,543723E+22	2,411104E+22	2,175547E+22	1,900181E+22	1,708952E+22	1,708966E+22	1,900218E+22	2,175583E+22
-553	2,411113E+22	2,543697E+22	2,587956E+22	2,587926E+22	2,543641E+22	2,411070E+22	2,175561E+22	1,900217E+22	1,708978E+22	1,708961E+22	1,900169E+22	2,175505E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411029E+22	2,543641E+22	2,587973E+22	2,588002E+22	2,543709E+22	2,411091E+22	2,175538E+22	1,900185E+22	1,708952E+22	1,708943E+22	1,900175E+22	2,175557E+22
-551	2,411144E+22	2,543775E+22	2,588068E+22	2,588066E+22	2,543747E+22	2,411089E+22	2,175503E+22	1,900125E+22	1,708898E+22	1,708922E+22	1,900181E+22	2,175549E+22
-550	2,411081E+22	2,543652E+22	2,587899E+22	2,587906E+22	2,543672E+22	2,411099E+22	2,175545E+22	1,900151E+22	1,708886E+22	1,708880E+22	1,900130E+22	2,175505E+22
-549	2,411054E+22	2,543693E+22	2,588021E+22	2,588021E+22	2,543729E+22	2,411118E+22	2,175541E+22	1,900136E+22	1,708857E+22	1,708842E+22	1,900113E+22	2,175552E+22
-548	2,411153E+22	2,543755E+22	2,588030E+22	2,588018E+22	2,543711E+22	2,411090E+22	2,175521E+22	1,900119E+22	1,708848E+22	1,708838E+22	1,900085E+22	2,175470E+22
-547	2,411037E+22	2,543635E+22	2,587907E+22	2,587931E+22	2,543680E+22	2,411086E+22	2,175527E+22	1,900132E+22	1,708854E+22	1,708834E+22	1,900080E+22	2,175470E+22
-546	2,411065E+22	2,543743E+22	2,588065E+22	2,588053E+22	2,543751E+22	2,411106E+22	2,175500E+22	1,900085E+22	1,708823E+22	1,708841E+22	1,900131E+22	2,175541E+22
-545	2,411091E+22	2,543684E+22	2,587968E+22	2,587958E+22	2,543677E+22	2,411083E+22	2,175520E+22	1,900116E+22	1,708845E+22	1,708844E+22	1,900105E+22	2,175489E+22
-544	2,411021E+22	2,543598E+22	2,587909E+22	2,587963E+22	2,543709E+22	2,411104E+22	2,175526E+22	1,900121E+22	1,708848E+22	1,708842E+22	1,900111E+22	2,175533E+22
-543	2,411144E+22	2,543773E+22	2,588044E+22	2,588039E+22	2,543744E+22	2,411102E+22	2,175505E+22	1,900098E+22	1,708842E+22	1,708860E+22	1,900143E+22	2,175551E+22
-542	2,411117E+22	2,543696E+22	2,587918E+22	2,587880E+22	2,543632E+22	2,411074E+22	2,175538E+22	1,900155E+22	1,708894E+22	1,708883E+22	1,900122E+22	2,175491E+22
-541	2,411040E+22	2,543683E+22	2,588018E+22	2,588011E+22	2,543698E+22	2,411085E+22	2,175542E+22	1,900181E+22	1,708930E+22	1,708911E+22	1,900147E+22	2,175545E+22
-540	2,411138E+22	2,543762E+22	2,588062E+22	2,588061E+22	2,543734E+22	2,411084E+22	2,175521E+22	1,900170E+22	1,708955E+22	1,708966E+22	1,900190E+22	2,175521E+22
-539	2,411037E+22	2,543619E+22	2,587900E+22	2,587927E+22	2,543678E+22	2,411093E+22	2,175558E+22	1,900212E+22	1,708989E+22	1,708985E+22	1,900198E+22	2,175526E+22
-538	2,411052E+22	2,543691E+22	2,588028E+22	2,588038E+22	2,543747E+22	2,411130E+22	2,175571E+22	1,900210E+22	1,708989E+22	1,709003E+22	1,900245E+22	2,175606E+22
-537	2,411130E+22	2,543702E+22	2,587975E+22	2,587957E+22	2,543665E+22	2,411088E+22	2,175581E+22	1,900251E+22	1,709032E+22	1,709025E+22	1,900224E+22	2,175538E+22
-536	2,411040E+22	2,543609E+22	2,587896E+22	2,587921E+22	2,543664E+22	2,411092E+22	2,175584E+22	1,900266E+22	1,709049E+22	1,709026E+22	1,900214E+22	2,175544E+22
-535	2,411109E+22	2,543762E+22	2,588068E+22	2,588048E+22	2,543728E+22	2,411092E+22	2,175547E+22	1,900220E+22	1,709024E+22	1,709036E+22	1,900252E+22	2,175586E+22
-534	2,411109E+22	2,543687E+22	2,587948E+22	2,587917E+22	2,543633E+22	2,411058E+22	2,175552E+22	1,900234E+22	1,709030E+22	1,709029E+22	1,900225E+22	2,175527E+22
-533	2,411020E+22	2,543621E+22	2,587969E+22	2,588002E+22	2,543705E+22	2,411089E+22	2,175555E+22	1,900224E+22	1,709001E+22	1,708991E+22	1,900208E+22	2,175570E+22
-532	2,411136E+22	2,543747E+22	2,588039E+22	2,588052E+22	2,543751E+22	2,411107E+22	2,175535E+22	1,900175E+22	1,708958E+22	1,708974E+22	1,900211E+22	2,175556E+22
-531	2,411072E+22	2,543644E+22	2,587899E+22	2,587890E+22	2,543651E+22	2,411091E+22	2,175559E+22	1,900193E+22	1,708944E+22	1,708928E+22	1,900151E+22	2,175506E+22
-530	2,411050E+22	2,543686E+22	2,588023E+22	2,588014E+22	2,543713E+22	2,411111E+22	2,175556E+22	1,900173E+22	1,708919E+22	1,708912E+22	1,900154E+22	2,175547E+22
-529	2,411127E+22	2,543730E+22	2,588018E+22	2,588000E+22	2,543680E+22	2,411067E+22	2,175529E+22	1,900170E+22	1,708930E+22	1,708925E+22	1,900146E+22	2,175486E+22
-528	2,411018E+22	2,543605E+22	2,587889E+22	2,587924E+22	2,543681E+22	2,411082E+22	2,175525E+22	1,900161E+22	1,708919E+22	1,708908E+22	1,900137E+22	2,175496E+22
-527	2,411059E+22	2,543711E+22	2,588036E+22	2,588041E+22	2,543755E+22	2,411116E+22	2,175517E+22	1,900122E+22	1,708883E+22	1,708903E+22	1,900174E+22	2,175575E+22
-526	2,411123E+22	2,543685E+22	2,587939E+22	2,587912E+22	2,543638E+22	2,411066E+22	2,175529E+22	1,900152E+22	1,708903E+22	1,708906E+22	1,900152E+22	2,175519E+22
-525	2,411045E+22	2,543617E+22	2,587921E+22	2,587949E+22	2,543669E+22	2,411073E+22	2,175540E+22	1,900181E+22	1,708923E+22	1,708900E+22	1,900133E+22	2,175528E+22
-524	2,411135E+22	2,543773E+22	2,588054E+22	2,588041E+22	2,543731E+22	2,411090E+22	2,175522E+22	1,900159E+22	1,708932E+22	1,708942E+22	1,900181E+22	2,175539E+22
-523	2,411081E+22	2,543685E+22	2,587950E+22	2,587908E+22	2,543631E+22	2,411058E+22	2,175537E+22	1,900196E+22	1,708971E+22	1,708965E+22	1,900173E+22	2,175496E+22
-522	2,411014E+22	2,543650E+22	2,588013E+22	2,588027E+22	2,543718E+22	2,411101E+22	2,175556E+22	1,900212E+22	1,708998E+22	1,709000E+22	1,900213E+22	2,175558E+22
-521	2,411110E+22	2,543715E+22	2,588022E+22	2,588031E+22	2,543721E+22	2,411096E+22	2,175557E+22	1,900231E+22	1,709037E+22	1,709053E+22	1,900256E+22	2,175554E+22
-520	2,411037E+22	2,543593E+22	2,587865E+22	2,587899E+22	2,543669E+22	2,411100E+22	2,175585E+22	1,900271E+22	1,709067E+22	1,709056E+22	1,900242E+22	2,175545E+22
-519	2,411058E+22	2,543678E+22	2,588003E+22	2,588011E+22	2,543727E+22	2,411127E+22	2,175597E+22	1,900273E+22	1,709075E+22	1,709074E+22	1,900277E+22	2,175617E+22
-518	2,411147E+22	2,543713E+22	2,587969E+22	2,587922E+22	2,543614E+22	2,411050E+22	2,175580E+22	1,900296E+22	1,709112E+22	1,709110E+22	1,900281E+22	2,175554E+22
-517	2,411034E+22	2,543609E+22	2,587915E+22	2,587933E+22	2,543637E+22	2,411049E+22	2,175577E+22	1,900309E+22	1,709120E+22	1,709100E+22	1,900263E+22	2,175553E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411086E+22	2,543731E+22	2,588056E+22	2,588056E+22	2,543739E+22	2,411096E+22	2,175552E+22	1,900250E+22	1,709086E+22	1,709108E+22	1,900308E+22	2,175606E+22
-515	2,411092E+22	2,543666E+22	2,587948E+22	2,587917E+22	2,543630E+22	2,411060E+22	2,175557E+22	1,900250E+22	1,709065E+22	1,709073E+22	1,900261E+22	2,175551E+22
-514	2,411031E+22	2,543612E+22	2,587952E+22	2,587989E+22	2,543702E+22	2,411102E+22	2,175579E+22	1,900251E+22	1,709041E+22	1,709035E+22	1,900232E+22	2,175568E+22
-513	2,411133E+22	2,543742E+22	2,588021E+22	2,588018E+22	2,543717E+22	2,411100E+22	2,175564E+22	1,900234E+22	1,709029E+22	1,709031E+22	1,900235E+22	2,175551E+22
-512	2,411059E+22	2,543639E+22	2,587899E+22	2,587886E+22	2,543637E+22	2,411078E+22	2,175568E+22	1,900241E+22	1,709016E+22	1,708991E+22	1,900178E+22	2,175494E+22
-511	2,411021E+22	2,543657E+22	2,588013E+22	2,588025E+22	2,543720E+22	2,411109E+22	2,175567E+22	1,900219E+22	1,708994E+22	1,708984E+22	1,900196E+22	2,175557E+22
-510	2,411119E+22	2,543706E+22	2,587992E+22	2,587975E+22	2,543659E+22	2,411054E+22	2,175529E+22	1,900198E+22	1,708991E+22	1,709003E+22	1,900216E+22	2,175523E+22
-509	2,411019E+22	2,543587E+22	2,587875E+22	2,587911E+22	2,543654E+22	2,411067E+22	2,175542E+22	1,900206E+22	1,708976E+22	1,708967E+22	1,900182E+22	2,175521E+22
-508	2,411067E+22	2,543700E+22	2,588015E+22	2,588023E+22	2,543742E+22	2,411117E+22	2,175541E+22	1,900174E+22	1,708953E+22	1,708969E+22	1,900216E+22	2,175589E+22
-507	2,411127E+22	2,543701E+22	2,587957E+22	2,587900E+22	2,543607E+22	2,411044E+22	2,175531E+22	1,900189E+22	1,708966E+22	1,708966E+22	1,900183E+22	2,175522E+22
-506	2,411044E+22	2,543623E+22	2,587940E+22	2,587960E+22	2,543660E+22	2,411064E+22	2,175548E+22	1,900218E+22	1,708995E+22	1,708981E+22	1,900178E+22	2,175517E+22
-505	2,411101E+22	2,543749E+22	2,588052E+22	2,588045E+22	2,543723E+22	2,411079E+22	2,175535E+22	1,900214E+22	1,709023E+22	1,709036E+22	1,900245E+22	2,175553E+22
-504	2,411052E+22	2,543641E+22	2,587924E+22	2,587913E+22	2,543648E+22	2,411069E+22	2,175549E+22	1,900239E+22	1,709048E+22	1,709048E+22	1,900233E+22	2,175518E+22
-503	2,411000E+22	2,543604E+22	2,587968E+22	2,588009E+22	2,543725E+22	2,411126E+22	2,175595E+22	1,900270E+22	1,709073E+22	1,709072E+22	1,900264E+22	2,175591E+22
-502	2,411128E+22	2,543703E+22	2,587981E+22	2,587974E+22	2,543671E+22	2,411078E+22	2,175578E+22	1,900286E+22	1,709114E+22	1,709040E+22	1,900312E+22	2,175584E+22
-501	2,411053E+22	2,543604E+22	2,587866E+22	2,587871E+22	2,543612E+22	2,411061E+22	2,175601E+22	1,900336E+22	1,709150E+22	1,709126E+22	1,900276E+22	2,175547E+22
-500	2,411051E+22	2,543678E+22	2,588007E+22	2,588007E+22	2,543703E+22	2,411102E+22	2,175601E+22	1,900325E+22	1,709162E+22	1,709161E+22	1,900326E+22	2,175614E+22
-499	2,411121E+22	2,543710E+22	2,587994E+22	2,587941E+22	2,543606E+22	2,411024E+22	2,175563E+22	1,900316E+22	1,709171E+22	1,709180E+22	1,900333E+22	2,175571E+22
-498	2,411024E+22	2,543593E+22	2,587914E+22	2,587951E+22	2,543657E+22	2,411062E+22	2,175581E+22	1,900322E+22	1,709165E+22	1,709164E+22	1,900313E+22	2,175567E+22
-497	2,411071E+22	2,543702E+22	2,588030E+22	2,588039E+22	2,543732E+22	2,411110E+22	2,175586E+22	1,900299E+22	1,709143E+22	1,709164E+22	1,900349E+22	2,175627E+22
-496	2,411092E+22	2,543649E+22	2,587923E+22	2,587908E+22	2,543634E+22	2,411074E+22	2,175586E+22	1,900301E+22	1,709123E+22	1,709117E+22	1,900280E+22	2,175550E+22
-495	2,411027E+22	2,543604E+22	2,587934E+22	2,587973E+22	2,543691E+22	2,411111E+22	2,175614E+22	1,900312E+22	1,709114E+22	1,709089E+22	1,900251E+22	2,175561E+22
-494	2,411121E+22	2,543737E+22	2,588012E+22	2,587990E+22	2,543672E+22	2,411068E+22	2,175570E+22	1,900282E+22	1,709106E+22	1,709112E+22	1,900289E+22	2,175559E+22
-493	2,411040E+22	2,543624E+22	2,587902E+22	2,587891E+22	2,543610E+22	2,411041E+22	2,175566E+22	1,900285E+22	1,709088E+22	1,709068E+22	1,900233E+22	2,175509E+22
-492	2,411000E+22	2,543621E+22	2,587979E+22	2,588013E+22	2,543716E+22	2,411106E+22	2,175571E+22	1,900250E+22	1,709059E+22	1,709062E+22	1,900261E+22	2,175586E+22
-491	2,411112E+22	2,543694E+22	2,587981E+22	2,587958E+22	2,543638E+22	2,411040E+22	2,175529E+22	1,900216E+22	1,709030E+22	1,709053E+22	1,900263E+22	2,175561E+22
-490	2,411045E+22	2,543597E+22	2,587869E+22	2,587898E+22	2,543637E+22	2,411058E+22	2,175548E+22	1,900228E+22	1,709020E+22	1,709017E+22	1,900212E+22	2,175524E+22
-489	2,411066E+22	2,543706E+22	2,588013E+22	2,588002E+22	2,543706E+22	2,411100E+22	2,175560E+22	1,900228E+22	1,709027E+22	1,709033E+22	1,900247E+22	2,175587E+22
-488	2,411111E+22	2,543697E+22	2,587969E+22	2,587924E+22	2,543615E+22	2,411037E+22	2,175538E+22	1,900233E+22	1,709040E+22	1,709036E+22	1,900216E+22	2,175510E+22
-487	2,411012E+22	2,543596E+22	2,587932E+22	2,587979E+22	2,543683E+22	2,411080E+22	2,175573E+22	1,900272E+22	1,709076E+22	1,709058E+22	1,900225E+22	2,175525E+22
-486	2,411077E+22	2,543712E+22	2,588018E+22	2,588023E+22	2,543711E+22	2,411084E+22	2,175559E+22	1,900265E+22	1,709101E+22	1,709124E+22	1,900316E+22	2,175587E+22
-485	2,411047E+22	2,543615E+22	2,587897E+22	2,587893E+22	2,543620E+22	2,411061E+22	2,175587E+22	1,900309E+22	1,709129E+22	1,709122E+22	1,900285E+22	2,175544E+22
-484	2,411003E+22	2,543584E+22	2,587927E+22	2,587973E+22	2,543699E+22	2,411122E+22	2,175627E+22	1,900341E+22	1,709166E+22	1,709157E+22	1,900318E+22	2,175606E+22
-483	2,411126E+22	2,543716E+22	2,587988E+22	2,587948E+22	2,543624E+22	2,411044E+22	2,175581E+22	1,900332E+22	1,709190E+22	1,709205E+22	1,900362E+22	2,175601E+22
-482	2,411056E+22	2,543616E+22	2,587885E+22	2,587878E+22	2,543590E+22	2,411032E+22	2,175593E+22	1,900365E+22	1,709223E+22	1,709213E+22	1,900330E+22	2,175549E+22
-481	2,411027E+22	2,543662E+22	2,588008E+22	2,588012E+22	2,543693E+22	2,411083E+22	2,175601E+22	1,900366E+22	1,709239E+22	1,709246E+22	1,900390E+22	2,175639E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411107E+22	2,543681E+22	2,587976E+22	2,587957E+22	2,543633E+22	2,411036E+22	2,175568E+22	1,900341E+22	1,709223E+22	1,709239E+22	1,900375E+22	2,175590E+22
-479	2,411021E+22	2,543570E+22	2,587886E+22	2,587944E+22	2,543671E+22	2,411090E+22	2,175620E+22	1,900370E+22	1,709218E+22	1,709206E+22	1,900339E+22	2,175584E+22
-478	2,411079E+22	2,543698E+22	2,588003E+22	2,587999E+22	2,543695E+22	2,411099E+22	2,175612E+22	1,900353E+22	1,709208E+22	1,709217E+22	1,900380E+22	2,175636E+22
-477	2,411090E+22	2,543652E+22	2,587926E+22	2,587894E+22	2,543591E+22	2,411045E+22	2,175611E+22	1,900365E+22	1,709198E+22	1,709176E+22	1,900301E+22	2,175537E+22
-476	2,411001E+22	2,543587E+22	2,587925E+22	2,587970E+22	2,543678E+22	2,411096E+22	2,175624E+22	1,900364E+22	1,709196E+22	1,709172E+22	1,900300E+22	2,175556E+22
-475	2,411083E+22	2,543719E+22	2,588014E+22	2,587991E+22	2,543658E+22	2,411043E+22	2,175553E+22	1,900298E+22	1,709158E+22	1,709179E+22	1,900346E+22	2,175586E+22
-474	2,411031E+22	2,543602E+22	2,587886E+22	2,587888E+22	2,543612E+22	2,411041E+22	2,175562E+22	1,900294E+22	1,709131E+22	1,709132E+22	1,900286E+22	2,175535E+22
-473	2,410997E+22	2,543601E+22	2,587952E+22	2,587987E+22	2,543695E+22	2,411099E+22	2,175589E+22	1,900292E+22	1,709114E+22	1,709117E+22	1,900306E+22	2,175618E+22
-472	2,411127E+22	2,543690E+22	2,587959E+22	2,587949E+22	2,543636E+22	2,411037E+22	2,175542E+22	1,900255E+22	1,709084E+22	1,709097E+22	1,900283E+22	2,175566E+22
-471	2,411050E+22	2,543606E+22	2,587868E+22	2,587893E+22	2,543631E+22	2,411064E+22	2,175579E+22	1,900285E+22	1,709090E+22	1,709070E+22	1,900234E+22	2,175522E+22
-470	2,411052E+22	2,543703E+22	2,588016E+22	2,587993E+22	2,543676E+22	2,411073E+22	2,175569E+22	1,900280E+22	1,709108E+22	1,709114E+22	1,900300E+22	2,175593E+22
-469	2,411084E+22	2,543675E+22	2,587970E+22	2,587938E+22	2,543606E+22	2,411022E+22	2,175555E+22	1,900289E+22	1,709122E+22	1,709119E+22	1,900271E+22	2,175522E+22
-468	2,410984E+22	2,543555E+22	2,587891E+22	2,587962E+22	2,543687E+22	2,411095E+22	2,175600E+22	1,900326E+22	1,709160E+22	1,709150E+22	1,900293E+22	2,175549E+22
-467	2,411061E+22	2,543692E+22	2,587993E+22	2,587990E+22	2,543682E+22	2,411073E+22	2,175574E+22	1,900308E+22	1,709167E+22	1,709194E+22	1,900371E+22	2,175623E+22
-466	2,411067E+22	2,543620E+22	2,587884E+22	2,587868E+22	2,543590E+22	2,411043E+22	2,175597E+22	1,900355E+22	1,709206E+22	1,709200E+22	1,900328E+22	2,175553E+22
-465	2,411000E+22	2,543589E+22	2,587925E+22	2,587947E+22	2,543652E+22	2,411087E+22	2,175639E+22	1,900404E+22	1,709259E+22	1,709243E+22	1,900368E+22	2,175617E+22
-464	2,411114E+22	2,543709E+22	2,587997E+22	2,587972E+22	2,543628E+22	2,411023E+22	2,175575E+22	1,900372E+22	1,709267E+22	1,709283E+22	1,900407E+22	2,175605E+22
-463	2,411037E+22	2,543602E+22	2,587887E+22	2,587900E+22	2,543615E+22	2,411046E+22	2,175609E+22	1,900406E+22	1,709289E+22	1,709280E+22	1,900380E+22	2,175570E+22
-462	2,411012E+22	2,543636E+22	2,587987E+22	2,587999E+22	2,543686E+22	2,411087E+22	2,175621E+22	1,900407E+22	1,709302E+22	1,709315E+22	1,900447E+22	2,175671E+22
-461	2,411108E+22	2,543666E+22	2,587963E+22	2,587951E+22	2,543622E+22	2,411040E+22	2,175608E+22	1,900401E+22	1,709288E+22	1,709294E+22	1,900406E+22	2,175600E+22
-460	2,411019E+22	2,543556E+22	2,587853E+22	2,587914E+22	2,543658E+22	2,411097E+22	2,175654E+22	1,900435E+22	1,709300E+22	1,709276E+22	1,900372E+22	2,175577E+22
-459	2,411055E+22	2,543698E+22	2,588007E+22	2,587976E+22	2,543658E+22	2,411073E+22	2,175618E+22	1,900396E+22	1,709276E+22	1,709282E+22	1,900417E+22	2,175641E+22
-458	2,411077E+22	2,543647E+22	2,587934E+22	2,587898E+22	2,543574E+22	2,411014E+22	2,175597E+22	1,900392E+22	1,709266E+22	1,709255E+22	1,900351E+22	2,175540E+22
-457	2,410969E+22	2,543553E+22	2,587902E+22	2,587954E+22	2,543660E+22	2,411074E+22	2,175620E+22	1,900397E+22	1,709262E+22	1,709249E+22	1,900366E+22	2,175592E+22
-456	2,411076E+22	2,543683E+22	2,587980E+22	2,587987E+22	2,543671E+22	2,411045E+22	2,175553E+22	1,900313E+22	1,709198E+22	1,709229E+22	1,900389E+22	2,175619E+22
-455	2,411046E+22	2,543597E+22	2,587863E+22	2,587867E+22	2,543607E+22	2,411052E+22	2,175588E+22	1,900330E+22	1,709171E+22	1,709163E+22	1,900310E+22	2,175559E+22
-454	2,411015E+22	2,543612E+22	2,587942E+22	2,587951E+22	2,543653E+22	2,411075E+22	2,175600E+22	1,900336E+22	1,709173E+22	1,709166E+22	1,900331E+22	2,175626E+22
-453	2,411131E+22	2,543707E+22	2,587982E+22	2,587952E+22	2,543607E+22	2,411012E+22	2,175560E+22	1,900311E+22	1,709156E+22	1,709154E+22	1,900299E+22	2,175547E+22
-452	2,411021E+22	2,543592E+22	2,587870E+22	2,587906E+22	2,543637E+22	2,411060E+22	2,175594E+22	1,900342E+22	1,709178E+22	1,709156E+22	1,900280E+22	2,175509E+22
-451	2,411002E+22	2,543676E+22	2,588016E+22	2,587998E+22	2,543677E+22	2,411068E+22	2,175574E+22	1,900316E+22	1,709177E+22	1,709192E+22	1,900358E+22	2,175615E+22
-450	2,411067E+22	2,543645E+22	2,587950E+22	2,587932E+22	2,543610E+22	2,411030E+22	2,175570E+22	1,900329E+22	1,709195E+22	1,709203E+22	1,900331E+22	2,175545E+22
-449	2,410972E+22	2,543525E+22	2,587851E+22	2,587922E+22	2,543660E+22	2,411091E+22	2,175634E+22	1,900394E+22	1,709248E+22	1,709233E+22	1,900355E+22	2,175587E+22
-448	2,411071E+22	2,543677E+22	2,587964E+22	2,587969E+22	2,543669E+22	2,411062E+22	2,175589E+22	1,900363E+22	1,709248E+22	1,709267E+22	1,900411E+22	2,175638E+22
-447	2,411073E+22	2,543629E+22	2,587887E+22	2,587857E+22	2,543571E+22	2,411032E+22	2,175616E+22	1,900414E+22	1,709290E+22	1,709275E+22	1,900374E+22	2,175569E+22
-446	2,410993E+22	2,543587E+22	2,587933E+22	2,587943E+22	2,543621E+22	2,411046E+22	2,175631E+22	1,900450E+22	1,709346E+22	1,709336E+22	1,900435E+22	2,175643E+22
-445	2,411102E+22	2,543692E+22	2,587999E+22	2,587984E+22	2,543626E+22	2,411012E+22	2,175585E+22	1,900414E+22	1,709339E+22	1,709361E+22	1,900461E+22	2,175626E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411024E+22	2,543572E+22	2,587860E+22	2,587892E+22	2,543628E+22	2,411068E+22	2,175638E+22	1,900452E+22	1,709358E+22	1,709354E+22	1,900433E+22	2,175588E+22
-443	2,411003E+22	2,543627E+22	2,587973E+22	2,587972E+22	2,543662E+22	2,411081E+22	2,175639E+22	1,900446E+22	1,709353E+22	1,709363E+22	1,900478E+22	2,175687E+22
-442	2,411116E+22	2,543670E+22	2,587956E+22	2,587931E+22	2,543601E+22	2,411028E+22	2,175618E+22	1,900445E+22	1,709357E+22	1,709355E+22	1,900428E+22	2,175589E+22
-441	2,410998E+22	2,543548E+22	2,587849E+22	2,587891E+22	2,543624E+22	2,411073E+22	2,175667E+22	1,900492E+22	1,709383E+22	1,709352E+22	1,900413E+22	2,175580E+22
-440	2,411030E+22	2,543665E+22	2,587995E+22	2,587988E+22	2,543664E+22	2,411055E+22	2,175610E+22	1,900426E+22	1,709339E+22	1,709349E+22	1,900457E+22	2,175647E+22
-439	2,411058E+22	2,543621E+22	2,587919E+22	2,587899E+22	2,543586E+22	2,411025E+22	2,175609E+22	1,900423E+22	1,709318E+22	1,709310E+22	1,900400E+22	2,175572E+22
-438	2,410966E+22	2,543528E+22	2,587878E+22	2,587925E+22	2,543633E+22	2,411058E+22	2,175626E+22	1,900428E+22	1,709313E+22	1,709306E+22	1,900416E+22	2,175631E+22
-437	2,411093E+22	2,543678E+22	2,587969E+22	2,587967E+22	2,543645E+22	2,411037E+22	2,175579E+22	1,900360E+22	1,709250E+22	1,709271E+22	1,900411E+22	2,175628E+22
-436	2,411055E+22	2,543603E+22	2,587854E+22	2,587847E+22	2,543594E+22	2,411054E+22	2,175612E+22	1,900383E+22	1,709242E+22	1,709224E+22	1,900334E+22	2,175545E+22
-435	2,410997E+22	2,543626E+22	2,587964E+22	2,587944E+22	2,543624E+22	2,411049E+22	2,175601E+22	1,900374E+22	1,709237E+22	1,709228E+22	1,900361E+22	2,175621E+22
-434	2,411111E+22	2,543700E+22	2,587999E+22	2,587974E+22	2,543613E+22	2,410995E+22	2,175550E+22	1,900346E+22	1,709234E+22	1,709238E+22	1,900346E+22	2,175544E+22
-433	2,410981E+22	2,543550E+22	2,587848E+22	2,587897E+22	2,543638E+22	2,411059E+22	2,175607E+22	1,900390E+22	1,709262E+22	1,709248E+22	1,900352E+22	2,175543E+22
-432	2,410985E+22	2,543619E+22	2,587971E+22	2,587990E+22	2,543691E+22	2,411080E+22	2,175593E+22	1,900358E+22	1,709242E+22	1,709262E+22	1,900411E+22	2,175647E+22
-431	2,411077E+22	2,543630E+22	2,587920E+22	2,587901E+22	2,543597E+22	2,411040E+22	2,175607E+22	1,900390E+22	1,709265E+22	1,709263E+22	1,900377E+22	2,175578E+22
-430	2,410985E+22	2,543525E+22	2,587837E+22	2,587877E+22	2,543603E+22	2,411054E+22	2,175645E+22	1,900454E+22	1,709335E+22	1,709314E+22	1,900406E+22	2,175610E+22
-429	2,411081E+22	2,543689E+22	2,587982E+22	2,587962E+22	2,543632E+22	2,411032E+22	2,175602E+22	1,900420E+22	1,709335E+22	1,709349E+22	1,900453E+22	2,175639E+22
-428	2,411058E+22	2,543621E+22	2,587893E+22	2,587867E+22	2,543573E+22	2,411023E+22	2,175621E+22	1,900461E+22	1,709377E+22	1,709369E+22	1,900431E+22	2,175569E+22
-427	2,410964E+22	2,543573E+22	2,587936E+22	2,587946E+22	2,543623E+22	2,411042E+22	2,175630E+22	1,900476E+22	1,709405E+22	1,709407E+22	1,900491E+22	2,175670E+22
-426	2,411100E+22	2,543675E+22	2,587991E+22	2,587988E+22	2,543637E+22	2,411021E+22	2,175597E+22	1,900451E+22	1,709405E+22	1,709428E+22	1,900502E+22	2,175639E+22
-425	2,411013E+22	2,543547E+22	2,587830E+22	2,587861E+22	2,543611E+22	2,411072E+22	2,175674E+22	1,900519E+22	1,709438E+22	1,709423E+22	1,900475E+22	2,175605E+22
-424	2,410999E+22	2,543600E+22	2,587949E+22	2,587959E+22	2,543656E+22	2,411081E+22	2,175663E+22	1,900501E+22	1,709427E+22	1,709424E+22	1,900501E+22	2,175681E+22
-423	2,411106E+22	2,543668E+22	2,587958E+22	2,587920E+22	2,543581E+22	2,411022E+22	2,175641E+22	1,900501E+22	1,709431E+22	1,709422E+22	1,900470E+22	2,175596E+22
-422	2,410974E+22	2,543526E+22	2,587842E+22	2,587874E+22	2,543588E+22	2,411034E+22	2,175657E+22	1,900531E+22	1,709459E+22	1,709436E+22	1,900477E+22	2,175607E+22
-421	2,411022E+22	2,543639E+22	2,587979E+22	2,587976E+22	2,543651E+22	2,411047E+22	2,175615E+22	1,900454E+22	1,709395E+22	1,709414E+22	1,900506E+22	2,175672E+22
-420	2,411059E+22	2,543598E+22	2,587890E+22	2,587877E+22	2,543582E+22	2,411032E+22	2,175625E+22	1,900455E+22	1,709370E+22	1,709369E+22	1,900442E+22	2,175590E+22
-419	2,410976E+22	2,543538E+22	2,587873E+22	2,587900E+22	2,543601E+22	2,411038E+22	2,175628E+22	1,900452E+22	1,709351E+22	1,709342E+22	1,900439E+22	2,175646E+22
-418	2,411110E+22	2,543697E+22	2,587985E+22	2,587964E+22	2,543627E+22	2,411016E+22	2,175575E+22	1,900396E+22	1,709313E+22	1,709324E+22	1,900424E+22	2,175608E+22
-417	2,411032E+22	2,543598E+22	2,587869E+22	2,587848E+22	2,543579E+22	2,411039E+22	2,175624E+22	1,900434E+22	1,709320E+22	1,709298E+22	1,900374E+22	2,175542E+22
-416	2,410963E+22	2,543583E+22	2,587957E+22	2,587972E+22	2,543650E+22	2,411052E+22	2,175606E+22	1,900408E+22	1,709303E+22	1,709298E+22	1,900401E+22	2,175618E+22
-415	2,411081E+22	2,543664E+22	2,587981E+22	2,587975E+22	2,543634E+22	2,411026E+22	2,175582E+22	1,900391E+22	1,709297E+22	1,709306E+22	1,900405E+22	2,175576E+22
-414	2,410971E+22	2,543512E+22	2,587813E+22	2,587860E+22	2,543609E+22	2,411053E+22	2,175631E+22	1,900445E+22	1,709339E+22	1,709328E+22	1,900417E+22	2,175588E+22
-413	2,411005E+22	2,543603E+22	2,587938E+22	2,587947E+22	2,543655E+22	2,411075E+22	2,175627E+22	1,900421E+22	1,709323E+22	1,709333E+22	1,900452E+22	2,175665E+22
-412	2,411089E+22	2,543631E+22	2,587905E+22	2,587868E+22	2,543567E+22	2,411029E+22	2,175630E+22	1,900455E+22	1,709360E+22	1,709353E+22	1,900425E+22	2,175580E+22
-411	2,410981E+22	2,543544E+22	2,587860E+22	2,587866E+22	2,543558E+22	2,411007E+22	2,175631E+22	1,900491E+22	1,709410E+22	1,709395E+22	1,900457E+22	2,175622E+22
-410	2,411073E+22	2,543685E+22	2,588000E+22	2,587981E+22	2,543629E+22	2,411003E+22	2,175581E+22	1,900451E+22	1,709417E+22	1,709438E+22	1,900509E+22	2,175647E+22
-409	2,411032E+22	2,543591E+22	2,587882E+22	2,587866E+22	2,543579E+22	2,411029E+22	2,175634E+22	1,900502E+22	1,709452E+22	1,709453E+22	1,900497E+22	2,175602E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410957E+22	2,543530E+22	2,587904E+22	2,587946E+22	2,543638E+22	2,411060E+22	2,175654E+22	1,900516E+22	1,709462E+22	1,709463E+22	1,900523E+22	2,175681E+22
-407	2,411105E+22	2,543670E+22	2,587974E+22	2,587967E+22	2,543631E+22	2,411040E+22	2,175641E+22	1,900515E+22	1,709470E+22	1,709478E+22	1,900533E+22	2,175650E+22
-406	2,411009E+22	2,543541E+22	2,587823E+22	2,587828E+22	2,543562E+22	2,411043E+22	2,175691E+22	1,900583E+22	1,709526E+22	1,709500E+22	1,900516E+22	2,175612E+22
-405	2,410989E+22	2,543587E+22	2,587949E+22	2,587949E+22	2,543625E+22	2,411061E+22	2,175679E+22	1,900556E+22	1,709510E+22	1,709503E+22	1,900541E+22	2,175673E+22
-404	2,411077E+22	2,543639E+22	2,587947E+22	2,587921E+22	2,543582E+22	2,411017E+22	2,175647E+22	1,900543E+22	1,709509E+22	1,709510E+22	1,900529E+22	2,175602E+22
-403	2,410953E+22	2,543509E+22	2,587832E+22	2,587861E+22	2,543571E+22	2,411019E+22	2,175649E+22	1,900545E+22	1,709503E+22	1,709497E+22	1,900533E+22	2,175643E+22
-402	2,411034E+22	2,543630E+22	2,587968E+22	2,587969E+22	2,543644E+22	2,411039E+22	2,175613E+22	1,900479E+22	1,709447E+22	1,709468E+22	1,900541E+22	2,175688E+22
-401	2,411065E+22	2,543592E+22	2,587874E+22	2,587854E+22	2,543564E+22	2,411029E+22	2,175644E+22	1,900500E+22	1,709430E+22	1,709424E+22	1,900476E+22	2,175604E+22
-400	2,410979E+22	2,543527E+22	2,587869E+22	2,587904E+22	2,543600E+22	2,411036E+22	2,175640E+22	1,900489E+22	1,709407E+22	1,709389E+22	1,900453E+22	2,175632E+22
-399	2,411098E+22	2,543701E+22	2,588002E+22	2,587976E+22	2,543627E+22	2,411019E+22	2,175597E+22	1,900443E+22	1,709374E+22	1,709382E+22	1,900462E+22	2,175610E+22
-398	2,410999E+22	2,543565E+22	2,587861E+22	2,587845E+22	2,543563E+22	2,411021E+22	2,175627E+22	1,900478E+22	1,709397E+22	1,709383E+22	1,900438E+22	2,175568E+22
-397	2,410951E+22	2,543541E+22	2,587924E+22	2,587954E+22	2,543646E+22	2,411068E+22	2,175634E+22	1,900451E+22	1,709370E+22	1,709372E+22	1,900455E+22	2,175640E+22
-396	2,411076E+22	2,543634E+22	2,587940E+22	2,587939E+22	2,543617E+22	2,411036E+22	2,175614E+22	1,900444E+22	1,709369E+22	1,709381E+22	1,900455E+22	2,175594E+22
-395	2,410981E+22	2,543519E+22	2,587796E+22	2,587816E+22	2,543555E+22	2,411021E+22	2,175634E+22	1,900487E+22	1,709404E+22	1,709390E+22	1,900456E+22	2,175609E+22
-394	2,411026E+22	2,543625E+22	2,587951E+22	2,587935E+22	2,543617E+22	2,411034E+22	2,175615E+22	1,900467E+22	1,709408E+22	1,709410E+22	1,900485E+22	2,175657E+22
-393	2,411073E+22	2,543628E+22	2,587917E+22	2,587871E+22	2,543545E+22	2,411000E+22	2,175628E+22	1,900503E+22	1,709446E+22	1,709443E+22	1,900483E+22	2,175590E+22
-392	2,410958E+22	2,543510E+22	2,587861E+22	2,587900E+22	2,543582E+22	2,411008E+22	2,175630E+22	1,900520E+22	1,709475E+22	1,709468E+22	1,900505E+22	2,175630E+22
-391	2,411055E+22	2,543665E+22	2,587996E+22	2,587992E+22	2,543650E+22	2,411034E+22	2,175615E+22	1,900496E+22	1,709475E+22	1,709502E+22	1,900565E+22	2,175674E+22
-390	2,411019E+22	2,543559E+22	2,587859E+22	2,587846E+22	2,543560E+22	2,411031E+22	2,175667E+22	1,900565E+22	1,709531E+22	1,709529E+22	1,900551E+22	2,175631E+22
-389	2,410967E+22	2,543514E+22	2,587875E+22	2,587913E+22	2,543619E+22	2,411073E+22	2,175699E+22	1,900585E+22	1,709547E+22	1,709534E+22	1,900555E+22	2,175676E+22
-388	2,411093E+22	2,543661E+22	2,587960E+22	2,587940E+22	2,543605E+22	2,411038E+22	2,175674E+22	1,900586E+22	1,709568E+22	1,709568E+22	1,900576E+22	2,175640E+22
-387	2,410989E+22	2,543540E+22	2,587829E+22	2,587816E+22	2,543519E+22	2,410999E+22	2,175681E+22	1,900623E+22	1,709604E+22	1,709584E+22	1,900575E+22	2,175630E+22
-386	2,410978E+22	2,543570E+22	2,587943E+22	2,587954E+22	2,543615E+22	2,411029E+22	2,175655E+22	1,900584E+22	1,709586E+22	1,709587E+22	1,900601E+22	2,175692E+22
-385	2,411060E+22	2,543606E+22	2,587919E+22	2,587906E+22	2,543575E+22	2,411015E+22	2,175653E+22	1,900571E+22	1,709566E+22	1,709581E+22	1,900596E+22	2,175647E+22
-384	2,410964E+22	2,543482E+22	2,587806E+22	2,587857E+22	2,543571E+22	2,411021E+22	2,175659E+22	1,900565E+22	1,709535E+22	1,709532E+22	1,900558E+22	2,175660E+22
-383	2,411053E+22	2,543646E+22	2,587967E+22	2,587954E+22	2,543631E+22	2,411047E+22	2,175641E+22	1,900520E+22	1,709486E+22	1,709499E+22	1,900562E+22	2,175694E+22
-382	2,411062E+22	2,543600E+22	2,587887E+22	2,587845E+22	2,543529E+22	2,411004E+22	2,175654E+22	1,900548E+22	1,709499E+22	1,709482E+22	1,900503E+22	2,175602E+22
-381	2,410970E+22	2,543519E+22	2,587871E+22	2,587905E+22	2,543590E+22	2,411034E+22	2,175658E+22	1,900534E+22	1,709475E+22	1,709453E+22	1,900480E+22	2,175610E+22
-380	2,411056E+22	2,543667E+22	2,587987E+22	2,587982E+22	2,543640E+22	2,411034E+22	2,175620E+22	1,900490E+22	1,709449E+22	1,709461E+22	1,900510E+22	2,175610E+22
-379	2,410975E+22	2,543541E+22	2,587839E+22	2,587828E+22	2,543542E+22	2,411010E+22	2,175634E+22	1,900509E+22	1,709453E+22	1,709448E+22	1,900494E+22	2,175602E+22
-378	2,410957E+22	2,543521E+22	2,587892E+22	2,587928E+22	2,543621E+22	2,411051E+22	2,175642E+22	1,900499E+22	1,709445E+22	1,709441E+22	1,900499E+22	2,175656E+22
-377	2,411077E+22	2,543622E+22	2,587913E+22	2,587903E+22	2,543584E+22	2,411024E+22	2,175635E+22	1,900502E+22	1,709451E+22	1,709459E+22	1,900509E+22	2,175616E+22
-376	2,410985E+22	2,543514E+22	2,587797E+22	2,587815E+22	2,543532E+22	2,410997E+22	2,175636E+22	1,900525E+22	1,709473E+22	1,709458E+22	1,900491E+22	2,175607E+22
-375	2,411018E+22	2,543636E+22	2,587974E+22	2,587951E+22	2,543608E+22	2,411020E+22	2,175623E+22	1,900510E+22	1,709477E+22	1,709486E+22	1,900543E+22	2,175671E+22
-374	2,411047E+22	2,543604E+22	2,587917E+22	2,587882E+22	2,543539E+22	2,410982E+22	2,175625E+22	1,900542E+22	1,709527E+22	1,709533E+22	1,900553E+22	2,175623E+22
-373	2,410953E+22	2,543479E+22	2,587833E+22	2,587889E+22	2,543590E+22	2,411035E+22	2,175664E+22	1,900566E+22	1,709543E+22	1,709541E+22	1,900555E+22	2,175645E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-372	2,411045E+22	2,543640E+22	2,587966E+22	2,587971E+22	2,543646E+22	2,411058E+22	2,175664E+22	1,900565E+22	1,709555E+22	1,709575E+22	1,900606E+22	2,175680E+22
-371	2,411021E+22	2,543562E+22	2,587845E+22	2,587815E+22	2,543516E+22	2,411008E+22	2,175686E+22	1,900623E+22	1,709610E+22	1,709599E+22	1,900591E+22	2,175642E+22
-370	2,410970E+22	2,543518E+22	2,587875E+22	2,587902E+22	2,543585E+22	2,411039E+22	2,175700E+22	1,900646E+22	1,709645E+22	1,709621E+22	1,900597E+22	2,175667E+22
-369	2,411061E+22	2,543639E+22	2,587953E+22	2,587937E+22	2,543588E+22	2,411018E+22	2,175678E+22	1,900635E+22	1,709655E+22	1,709664E+22	1,900645E+22	2,175659E+22
-368	2,410965E+22	2,543500E+22	2,587815E+22	2,587832E+22	2,543528E+22	2,410993E+22	2,175676E+22	1,900644E+22	1,709658E+22	1,709651E+22	1,900628E+22	2,175654E+22
-367	2,410977E+22	2,543560E+22	2,587934E+22	2,587951E+22	2,543616E+22	2,411041E+22	2,175677E+22	1,900614E+22	1,709625E+22	1,709638E+22	1,900655E+22	2,175730E+22
-366	2,411065E+22	2,543591E+22	2,587896E+22	2,587883E+22	2,543548E+22	2,411002E+22	2,175669E+22	1,900615E+22	1,709623E+22	1,709634E+22	1,900636E+22	2,175677E+22
-365	2,410987E+22	2,543489E+22	2,587791E+22	2,587831E+22	2,543555E+22	2,411032E+22	2,175691E+22	1,900613E+22	1,709593E+22	1,709577E+22	1,900572E+22	2,175646E+22
-364	2,411042E+22	2,543654E+22	2,587975E+22	2,587947E+22	2,543613E+22	2,411044E+22	2,175668E+22	1,900575E+22	1,709559E+22	1,709562E+22	1,900582E+22	2,175670E+22
-363	2,411034E+22	2,543596E+22	2,587896E+22	2,587849E+22	2,543502E+22	2,410970E+22	2,175646E+22	1,900580E+22	1,709562E+22	1,709550E+22	1,900547E+22	2,175608E+22
-362	2,410947E+22	2,543493E+22	2,587856E+22	2,587912E+22	2,543593E+22	2,411017E+22	2,175648E+22	1,900567E+22	1,709548E+22	1,709529E+22	1,900531E+22	2,175619E+22
-361	2,411024E+22	2,543621E+22	2,587943E+22	2,587958E+22	2,543633E+22	2,411040E+22	2,175639E+22	1,900530E+22	1,709512E+22	1,709534E+22	1,900574E+22	2,175648E+22
-360	2,410976E+22	2,543508E+22	2,587805E+22	2,587811E+22	2,543526E+22	2,411003E+22	2,175649E+22	1,900545E+22	1,709503E+22	1,709497E+22	1,900529E+22	2,175622E+22
-359	2,410975E+22	2,543539E+22	2,587890E+22	2,587905E+22	2,543588E+22	2,411036E+22	2,175662E+22	1,900548E+22	1,709503E+22	1,709496E+22	1,900539E+22	2,175670E+22
-358	2,411071E+22	2,543626E+22	2,587921E+22	2,587892E+22	2,543541E+22	2,410984E+22	2,175635E+22	1,900552E+22	1,709534E+22	1,709540E+22	1,900559E+22	2,175631E+22
-357	2,410979E+22	2,543510E+22	2,587801E+22	2,587822E+22	2,543533E+22	2,410997E+22	2,175646E+22	1,900565E+22	1,709546E+22	1,709536E+22	1,900536E+22	2,175602E+22
-356	2,410987E+22	2,543612E+22	2,587968E+22	2,587962E+22	2,543626E+22	2,411039E+22	2,175648E+22	1,900558E+22	1,709554E+22	1,709569E+22	1,900596E+22	2,175681E+22
-355	2,411033E+22	2,543585E+22	2,587900E+22	2,587876E+22	2,543530E+22	2,410982E+22	2,175645E+22	1,900586E+22	1,709592E+22	1,709604E+22	1,900609E+22	2,175656E+22
-354	2,410962E+22	2,543467E+22	2,587806E+22	2,587872E+22	2,543577E+22	2,411028E+22	2,175688E+22	1,900634E+22	1,709634E+22	1,709616E+22	1,900596E+22	2,175651E+22
-353	2,411030E+22	2,543622E+22	2,587938E+22	2,587940E+22	2,543621E+22	2,411057E+22	2,175700E+22	1,900640E+22	1,709653E+22	1,709664E+22	1,900660E+22	2,175695E+22
-352	2,411009E+22	2,543546E+22	2,587843E+22	2,587813E+22	2,543490E+22	2,410984E+22	2,175697E+22	1,900676E+22	1,709692E+22	1,709678E+22	1,900637E+22	2,175647E+22
-351	2,410955E+22	2,543514E+22	2,587879E+22	2,587903E+22	2,543569E+22	2,411019E+22	2,175707E+22	1,900690E+22	1,709716E+22	1,709705E+22	1,900669E+22	2,175693E+22
-350	2,411037E+22	2,543608E+22	2,587935E+22	2,587928E+22	2,543572E+22	2,410997E+22	2,175673E+22	1,900669E+22	1,709727E+22	1,709749E+22	1,900719E+22	2,175709E+22
-349	2,410979E+22	2,543485E+22	2,587783E+22	2,587804E+22	2,543522E+22	2,411008E+22	2,175694E+22	1,900672E+22	1,709705E+22	1,709704E+22	1,900666E+22	2,175673E+22
-348	2,410984E+22	2,543559E+22	2,587918E+22	2,587928E+22	2,543601E+22	2,411046E+22	2,175707E+22	1,900663E+22	1,709682E+22	1,709684E+22	1,900673E+22	2,175732E+22
-347	2,411077E+22	2,543612E+22	2,587904E+22	2,587870E+22	2,543512E+22	2,410969E+22	2,175669E+22	1,900651E+22	1,709677E+22	1,709678E+22	1,900651E+22	2,175673E+22
-346	2,410983E+22	2,543500E+22	2,587806E+22	2,587839E+22	2,543536E+22	2,410998E+22	2,175686E+22	1,900660E+22	1,709670E+22	1,709638E+22	1,900591E+22	2,175619E+22
-345	2,410990E+22	2,543620E+22	2,587969E+22	2,587958E+22	2,543618E+22	2,411041E+22	2,175679E+22	1,900619E+22	1,709632E+22	1,709639E+22	1,900634E+22	2,175674E+22
-344	2,410992E+22	2,543546E+22	2,587878E+22	2,587863E+22	2,543518E+22	2,410976E+22	2,175654E+22	1,900606E+22	1,709611E+22	1,709608E+22	1,900592E+22	2,175625E+22
-343	2,410934E+22	2,543470E+22	2,587829E+22	2,587893E+22	2,543589E+22	2,411030E+22	2,175677E+22	1,900606E+22	1,709595E+22	1,709587E+22	1,900589E+22	2,175655E+22
-342	2,411021E+22	2,543594E+22	2,587905E+22	2,587921E+22	2,543600E+22	2,411024E+22	2,175656E+22	1,900582E+22	1,709584E+22	1,709602E+22	1,900625E+22	2,175686E+22
-341	2,411000E+22	2,543514E+22	2,587781E+22	2,587771E+22	2,543500E+22	2,411002E+22	2,175670E+22	1,900593E+22	1,709573E+22	1,709560E+22	1,900559E+22	2,175622E+22
-340	2,410968E+22	2,543549E+22	2,587903E+22	2,587900E+22	2,543563E+22	2,411017E+22	2,175677E+22	1,900604E+22	1,709586E+22	1,709574E+22	1,900578E+22	2,175669E+22
-339	2,411058E+22	2,543627E+22	2,587934E+22	2,587903E+22	2,543522E+22	2,410945E+22	2,175620E+22	1,900584E+22	1,709604E+22	1,709619E+22	1,900617E+22	2,175654E+22
-338	2,410971E+22	2,543495E+22	2,587795E+22	2,587834E+22	2,543541E+22	2,410986E+22	2,175645E+22	1,900607E+22	1,709624E+22	1,709616E+22	1,900591E+22	2,175619E+22
-337	2,410963E+22	2,543576E+22	2,587934E+22	2,587946E+22	2,543628E+22	2,411058E+22	2,175684E+22	1,900613E+22	1,709628E+22	1,709645E+22	1,900654E+22	2,175711E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,411029E+22	2,543560E+22	2,587878E+22	2,587864E+22	2,543520E+22	2,410984E+22	2,175675E+22	1,900642E+22	1,709661E+22	1,709663E+22	1,900641E+22	2,175665E+22
-335	2,410969E+22	2,543483E+22	2,587806E+22	2,587851E+22	2,543551E+22	2,411021E+22	2,175718E+22	1,900699E+22	1,709715E+22	1,709692E+22	1,900644E+22	2,175659E+22
-334	2,411007E+22	2,543604E+22	2,587933E+22	2,587925E+22	2,543583E+22	2,411020E+22	2,175705E+22	1,900702E+22	1,709753E+22	1,709760E+22	1,900720E+22	2,175714E+22
-333	2,410997E+22	2,543528E+22	2,587829E+22	2,587806E+22	2,543490E+22	2,410983E+22	2,175705E+22	1,900719E+22	1,709771E+22	1,709764E+22	1,900693E+22	2,175657E+22
-332	2,410932E+22	2,543492E+22	2,587869E+22	2,587900E+22	2,543568E+22	2,411021E+22	2,175723E+22	1,900733E+22	1,709787E+22	1,709781E+22	1,900721E+22	2,175717E+22
-331	2,411038E+22	2,543594E+22	2,587917E+22	2,587909E+22	2,543548E+22	2,410978E+22	2,175677E+22	1,900700E+22	1,709779E+22	1,709806E+22	1,900765E+22	2,175743E+22
-330	2,411000E+22	2,543491E+22	2,587773E+22	2,587790E+22	2,543508E+22	2,410991E+22	2,175704E+22	1,900721E+22	1,709773E+22	1,709757E+22	1,900688E+22	2,175671E+22
-329	2,410974E+22	2,543555E+22	2,587910E+22	2,587910E+22	2,543585E+22	2,411043E+22	2,175729E+22	1,900716E+22	1,709754E+22	1,709746E+22	1,900703E+22	2,175728E+22
-328	2,411054E+22	2,543598E+22	2,587917E+22	2,587887E+22	2,543506E+22	2,410952E+22	2,175673E+22	1,900688E+22	1,709737E+22	1,709734E+22	1,900677E+22	2,175663E+22
-327	2,410956E+22	2,543489E+22	2,587812E+22	2,587851E+22	2,543543E+22	2,410992E+22	2,175691E+22	1,900693E+22	1,709726E+22	1,709709E+22	1,900650E+22	2,175634E+22
-326	2,410950E+22	2,543564E+22	2,587933E+22	2,587943E+22	2,543614E+22	2,411037E+22	2,175686E+22	1,900655E+22	1,709697E+22	1,709714E+22	1,900698E+22	2,175717E+22
-325	2,410998E+22	2,543516E+22	2,587829E+22	2,587820E+22	2,543511E+22	2,410997E+22	2,175681E+22	1,900643E+22	1,709662E+22	1,709662E+22	1,900632E+22	2,175647E+22
-324	2,410943E+22	2,543468E+22	2,587807E+22	2,587853E+22	2,543557E+22	2,411023E+22	2,175706E+22	1,900662E+22	1,709661E+22	1,709641E+22	1,900615E+22	2,175668E+22
-323	2,411040E+22	2,543613E+22	2,587908E+22	2,587891E+22	2,543548E+22	2,410979E+22	2,175650E+22	1,900622E+22	1,709650E+22	1,709663E+22	1,900657E+22	2,175698E+22
-322	2,411010E+22	2,543533E+22	2,587804E+22	2,587779E+22	2,543478E+22	2,410958E+22	2,175656E+22	1,900638E+22	1,709654E+22	1,709633E+22	1,900593E+22	2,175612E+22
-321	2,410934E+22	2,543528E+22	2,587906E+22	2,587915E+22	2,543575E+22	2,411014E+22	2,175682E+22	1,900644E+22	1,709661E+22	1,709656E+22	1,900636E+22	2,175685E+22
-320	2,411030E+22	2,543592E+22	2,587932E+22	2,587924E+22	2,543543E+22	2,410956E+22	2,175633E+22	1,900617E+22	1,709660E+22	1,709680E+22	1,900662E+22	2,175673E+22
-319	2,410965E+22	2,543480E+22	2,587782E+22	2,587825E+22	2,543544E+22	2,411004E+22	2,175684E+22	1,900662E+22	1,709689E+22	1,709685E+22	1,900648E+22	2,175643E+22
-318	2,410949E+22	2,543543E+22	2,587902E+22	2,587916E+22	2,543607E+22	2,411055E+22	2,175719E+22	1,900688E+22	1,709724E+22	1,709730E+22	1,900705E+22	2,175735E+22
-317	2,411037E+22	2,543559E+22	2,587856E+22	2,587823E+22	2,543497E+22	2,410988E+22	2,175705E+22	1,900709E+22	1,709755E+22	1,709748E+22	1,900681E+22	2,175659E+22
-316	2,410946E+22	2,543476E+22	2,587810E+22	2,587836E+22	2,543521E+22	2,410999E+22	2,175736E+22	1,900767E+22	1,709816E+22	1,709788E+22	1,900696E+22	2,175667E+22
-315	2,410993E+22	2,543584E+22	2,587927E+22	2,587921E+22	2,543559E+22	2,410978E+22	2,175685E+22	1,900735E+22	1,709832E+22	1,709852E+22	1,900791E+22	2,175751E+22
-314	2,411000E+22	2,543509E+22	2,587813E+22	2,587800E+22	2,543482E+22	2,410960E+22	2,175696E+22	1,900753E+22	1,709842E+22	1,709841E+22	1,900750E+22	2,175684E+22
-313	2,410927E+22	2,543466E+22	2,587842E+22	2,587879E+22	2,543561E+22	2,411026E+22	2,175744E+22	1,900773E+22	1,709845E+22	1,709844E+22	1,900771E+22	2,175748E+22
-312	2,411045E+22	2,543589E+22	2,587916E+22	2,587903E+22	2,543534E+22	2,410969E+22	2,175691E+22	1,900737E+22	1,709827E+22	1,709844E+22	1,900781E+22	2,175743E+22
-311	2,411005E+22	2,543513E+22	2,587795E+22	2,587788E+22	2,543494E+22	2,410984E+22	2,175722E+22	1,900764E+22	1,709831E+22	1,709813E+22	1,900718E+22	2,175660E+22
-310	2,410939E+22	2,543530E+22	2,587911E+22	2,587914E+22	2,543574E+22	2,411027E+22	2,175737E+22	1,900764E+22	1,709831E+22	1,709821E+22	1,900743E+22	2,175729E+22
-309	2,411030E+22	2,543568E+22	2,587894E+22	2,587880E+22	2,543526E+22	2,410975E+22	2,175689E+22	1,900724E+22	1,709800E+22	1,709800E+22	1,900717E+22	2,175663E+22
-308	2,410926E+22	2,543454E+22	2,587790E+22	2,587835E+22	2,543543E+22	2,411008E+22	2,175721E+22	1,900740E+22	1,709791E+22	1,709772E+22	1,900693E+22	2,175660E+22
-307	2,410955E+22	2,543535E+22	2,587896E+22	2,587906E+22	2,543582E+22	2,411018E+22	2,175695E+22	1,900693E+22	1,709753E+22	1,709771E+22	1,900743E+22	2,175754E+22
-306	2,411025E+22	2,543520E+22	2,587812E+22	2,587789E+22	2,543477E+22	2,410968E+22	2,175689E+22	1,900697E+22	1,709735E+22	1,709722E+22	1,900663E+22	2,175654E+22
-305	2,410943E+22	2,543471E+22	2,587808E+22	2,587832E+22	2,543525E+22	2,411003E+22	2,175715E+22	1,900709E+22	1,709736E+22	1,709714E+22	1,900657E+22	2,175674E+22
-304	2,411025E+22	2,543609E+22	2,587935E+22	2,587909E+22	2,543533E+22	2,410948E+22	2,175641E+22	1,900652E+22	1,709711E+22	1,709727E+22	1,900695E+22	2,175699E+22
-303	2,410996E+22	2,543532E+22	2,587826E+22	2,587802E+22	2,543493E+22	2,410955E+22	2,175655E+22	1,900662E+22	1,709712E+22	1,709710E+22	1,900656E+22	2,175630E+22
-302	2,410906E+22	2,543482E+22	2,587879E+22	2,587907E+22	2,543579E+22	2,411022E+22	2,175697E+22	1,900685E+22	1,709731E+22	1,709732E+22	1,900692E+22	2,175717E+22
-301	2,411036E+22	2,543567E+22	2,587889E+22	2,587891E+22	2,543550E+22	2,410989E+22	2,175672E+22	1,900670E+22	1,709727E+22	1,709742E+22	1,900697E+22	2,175682E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-300	2,410962E+22	2,543475E+22	2,587773E+22	2,587795E+22	2,543517E+22	2,411003E+22	2,175724E+22	1,900738E+22	1,709780E+22	1,709756E+22	1,900678E+22	2,175649E+22
-299	2,410949E+22	2,543532E+22	2,587892E+22	2,587886E+22	2,543557E+22	2,411014E+22	2,175722E+22	1,900747E+22	1,709817E+22	1,709817E+22	1,900754E+22	2,175744E+22
-298	2,411029E+22	2,543553E+22	2,587861E+22	2,587822E+22	2,543472E+22	2,410949E+22	2,175701E+22	1,900767E+22	1,709854E+22	1,709845E+22	1,900738E+22	2,175662E+22
-297	2,410914E+22	2,543444E+22	2,587798E+22	2,587833E+22	2,543518E+22	2,410991E+22	2,175739E+22	1,900806E+22	1,709897E+22	1,709883E+22	1,900771E+22	2,175699E+22
-296	2,410977E+22	2,543553E+22	2,587919E+22	2,587921E+22	2,543557E+22	2,410976E+22	2,175691E+22	1,900762E+22	1,709885E+22	1,709914E+22	1,900841E+22	2,175783E+22
-295	2,411015E+22	2,543510E+22	2,587810E+22	2,587794E+22	2,543479E+22	2,410966E+22	2,175717E+22	1,900789E+22	1,709894E+22	1,709901E+22	1,900799E+22	2,175707E+22
-294	2,410928E+22	2,543451E+22	2,587823E+22	2,587858E+22	2,543543E+22	2,411021E+22	2,175766E+22	1,900829E+22	1,709920E+22	1,709908E+22	1,900803E+22	2,175759E+22
-293	2,411054E+22	2,543595E+22	2,587907E+22	2,587882E+22	2,543529E+22	2,410983E+22	2,175718E+22	1,900790E+22	1,709898E+22	1,709905E+22	1,900802E+22	2,175724E+22
-292	2,410975E+22	2,543503E+22	2,587811E+22	2,587793E+22	2,543482E+22	2,410976E+22	2,175744E+22	1,900823E+22	1,709913E+22	1,709886E+22	1,900754E+22	2,175660E+22
-291	2,410914E+22	2,543489E+22	2,587891E+22	2,587907E+22	2,543561E+22	2,411006E+22	2,175730E+22	1,900795E+22	1,709899E+22	1,709898E+22	1,900801E+22	2,175755E+22
-290	2,411025E+22	2,543539E+22	2,587865E+22	2,587860E+22	2,543511E+22	2,410964E+22	2,175697E+22	1,900763E+22	1,709862E+22	1,709867E+22	1,900766E+22	2,175684E+22
-289	2,410921E+22	2,543427E+22	2,587755E+22	2,587797E+22	2,543517E+22	2,411006E+22	2,175742E+22	1,900783E+22	1,709849E+22	1,709832E+22	1,900740E+22	2,175688E+22
-288	2,410968E+22	2,543538E+22	2,587896E+22	2,587885E+22	2,543545E+22	2,410991E+22	2,175696E+22	1,900727E+22	1,709804E+22	1,709814E+22	1,900764E+22	2,175760E+22
-287	2,411039E+22	2,543547E+22	2,587840E+22	2,587790E+22	2,543452E+22	2,410941E+22	2,175685E+22	1,900725E+22	1,709792E+22	1,709787E+22	1,900702E+22	2,175650E+22
-286	2,410917E+22	2,543451E+22	2,587818E+22	2,587847E+22	2,543520E+22	2,410983E+22	2,175710E+22	1,900744E+22	1,709807E+22	1,709790E+22	1,900706E+22	2,175683E+22
-285	2,411010E+22	2,543589E+22	2,587922E+22	2,587914E+22	2,543562E+22	2,410974E+22	2,175653E+22	1,900681E+22	1,709768E+22	1,709791E+22	1,900735E+22	2,175699E+22
-284	2,410967E+22	2,543502E+22	2,587816E+22	2,587799E+22	2,543501E+22	2,410981E+22	2,175694E+22	1,900717E+22	1,709781E+22	1,709775E+22	1,900696E+22	2,175651E+22
-283	2,410907E+22	2,543446E+22	2,587841E+22	2,587879E+22	2,543561E+22	2,411019E+22	2,175721E+22	1,900741E+22	1,709807E+22	1,709804E+22	1,900738E+22	2,175738E+22
-282	2,411047E+22	2,543562E+22	2,587868E+22	2,587859E+22	2,543517E+22	2,410972E+22	2,175698E+22	1,900745E+22	1,709823E+22	1,709823E+22	1,900737E+22	2,175682E+22
-281	2,410946E+22	2,543462E+22	2,587764E+22	2,587770E+22	2,543480E+22	2,410985E+22	2,175746E+22	1,900806E+22	1,709880E+22	1,709856E+22	1,900740E+22	2,175661E+22
-280	2,410928E+22	2,543515E+22	2,587902E+22	2,587889E+22	2,543530E+22	2,410977E+22	2,175713E+22	1,900787E+22	1,709897E+22	1,709905E+22	1,900815E+22	2,175762E+22
-279	2,411022E+22	2,543541E+22	2,587864E+22	2,587831E+22	2,543471E+22	2,410936E+22	2,175694E+22	1,900790E+22	1,709921E+22	1,709938E+22	1,900818E+22	2,175697E+22
-278	2,410903E+22	2,543407E+22	2,587768E+22	2,587818E+22	2,543512E+22	2,410991E+22	2,175749E+22	1,900842E+22	1,709962E+22	1,709959E+22	1,900834E+22	2,175742E+22
-277	2,411001E+22	2,543549E+22	2,587887E+22	2,587890E+22	2,543556E+22	2,410998E+22	2,175721E+22	1,900808E+22	1,709942E+22	1,709966E+22	1,900868E+22	2,175787E+22
-276	2,411019E+22	2,543524E+22	2,587823E+22	2,587783E+22	2,543459E+22	2,410967E+22	2,175751E+22	1,900855E+22	1,709971E+22	1,709955E+22	1,900813E+22	2,175703E+22
-275	2,410927E+22	2,543447E+22	2,587826E+22	2,587851E+22	2,543513E+22	2,410992E+22	2,175770E+22	1,900879E+22	1,710000E+22	1,709980E+22	1,900835E+22	2,175749E+22
-274	2,411033E+22	2,543584E+22	2,587914E+22	2,587892E+22	2,543520E+22	2,410963E+22	2,175726E+22	1,900844E+22	1,709980E+22	1,709984E+22	1,900845E+22	2,175714E+22
-273	2,410931E+22	2,543460E+22	2,587792E+22	2,587792E+22	2,543484E+22	2,410984E+22	2,175760E+22	1,900865E+22	1,709983E+22	1,709967E+22	1,900818E+22	2,175683E+22
-272	2,410891E+22	2,543447E+22	2,587865E+22	2,587891E+22	2,543547E+22	2,411004E+22	2,175743E+22	1,900826E+22	1,709946E+22	1,709952E+22	1,900847E+22	2,175782E+22
-271	2,411037E+22	2,543534E+22	2,587851E+22	2,587842E+22	2,543495E+22	2,410959E+22	2,175710E+22	1,900794E+22	1,709914E+22	1,709929E+22	1,900816E+22	2,175707E+22
-270	2,410928E+22	2,543419E+22	2,587733E+22	2,587765E+22	2,543482E+22	2,410985E+22	2,175748E+22	1,900824E+22	1,709915E+22	1,709895E+22	1,900776E+22	2,175703E+22
-269	2,410981E+22	2,543550E+22	2,587891E+22	2,587868E+22	2,543530E+22	2,410984E+22	2,175703E+22	1,900763E+22	1,709865E+22	1,709872E+22	1,900790E+22	2,175748E+22
-268	2,411017E+22	2,543547E+22	2,587867E+22	2,587814E+22	2,543449E+22	2,410928E+22	2,175690E+22	1,900765E+22	1,709859E+22	1,709850E+22	1,900739E+22	2,175660E+22
-267	2,410902E+22	2,543415E+22	2,587798E+22	2,587849E+22	2,543519E+22	2,410972E+22	2,175703E+22	1,900769E+22	1,709865E+22	1,709860E+22	1,900759E+22	2,175706E+22
-266	2,411006E+22	2,543564E+22	2,587896E+22	2,587899E+22	2,543555E+22	2,410982E+22	2,175682E+22	1,900730E+22	1,709831E+22	1,709853E+22	1,900778E+22	2,175713E+22
-265	2,410958E+22	2,543477E+22	2,587785E+22	2,587769E+22	2,543478E+22	2,410988E+22	2,175733E+22	1,900780E+22	1,709857E+22	1,709845E+22	1,900742E+22	2,175666E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410903E+22	2,543440E+22	2,587833E+22	2,587852E+22	2,543520E+22	2,410997E+22	2,175738E+22	1,900797E+22	1,709884E+22	1,709871E+22	1,900771E+22	2,175738E+22
-263	2,411044E+22	2,543571E+22	2,587884E+22	2,587857E+22	2,543490E+22	2,410946E+22	2,175700E+22	1,900788E+22	1,709909E+22	1,709919E+22	1,900797E+22	2,175685E+22
-262	2,410918E+22	2,543431E+22	2,587754E+22	2,587770E+22	2,543466E+22	2,410962E+22	2,175743E+22	1,900851E+22	1,709969E+22	1,709954E+22	1,900810E+22	2,175687E+22
-261	2,410924E+22	2,543495E+22	2,587875E+22	2,587880E+22	2,543542E+22	2,410991E+22	2,175725E+22	1,900824E+22	1,709965E+22	1,709982E+22	1,900872E+22	2,175782E+22
-260	2,411013E+22	2,543527E+22	2,587861E+22	2,587830E+22	2,543468E+22	2,410947E+22	2,175726E+22	1,900845E+22	1,709991E+22	1,710002E+22	1,900864E+22	2,175730E+22
-259	2,410920E+22	2,543392E+22	2,587744E+22	2,587797E+22	2,543491E+22	2,410981E+22	2,175767E+22	1,900893E+22	1,710035E+22	1,710027E+22	1,900875E+22	2,175759E+22
-258	2,411015E+22	2,543563E+22	2,587888E+22	2,587872E+22	2,543527E+22	2,410987E+22	2,175751E+22	1,900877E+22	1,710027E+22	1,710036E+22	1,900897E+22	2,175774E+22
-257	2,410994E+22	2,543514E+22	2,587829E+22	2,587782E+22	2,543439E+22	2,410958E+22	2,175776E+22	1,900919E+22	1,710062E+22	1,710043E+22	1,900863E+22	2,175699E+22
-256	2,410891E+22	2,543422E+22	2,587831E+22	2,587863E+22	2,543505E+22	2,410971E+22	2,175767E+22	1,900917E+22	1,710071E+22	1,710057E+22	1,900887E+22	2,175757E+22
-255	2,411009E+22	2,543556E+22	2,587899E+22	2,587895E+22	2,543525E+22	2,410961E+22	2,175723E+22	1,900862E+22	1,710039E+22	1,710066E+22	1,900914E+22	2,175743E+22
-254	2,410915E+22	2,543413E+22	2,587745E+22	2,587762E+22	2,543468E+22	2,410983E+22	2,175776E+22	1,900899E+22	1,710039E+22	1,710032E+22	1,900876E+22	2,175726E+22
-253	2,410917E+22	2,543444E+22	2,587824E+22	2,587848E+22	2,543526E+22	2,411005E+22	2,175762E+22	1,900863E+22	1,709993E+22	1,709994E+22	1,900871E+22	2,175789E+22
-252	2,411043E+22	2,543551E+22	2,587860E+22	2,587826E+22	2,543460E+22	2,410940E+22	2,175726E+22	1,900842E+22	1,709975E+22	1,709973E+22	1,900833E+22	2,175713E+22
-251	2,410932E+22	2,543421E+22	2,587739E+22	2,587764E+22	2,543455E+22	2,410949E+22	2,175735E+22	1,900852E+22	1,709975E+22	1,709957E+22	1,900810E+22	2,175701E+22
-250	2,410970E+22	2,543549E+22	2,587901E+22	2,587882E+22	2,543524E+22	2,410969E+22	2,175707E+22	1,900800E+22	1,709925E+22	1,709936E+22	1,900827E+22	2,175741E+22
-249	2,410981E+22	2,543513E+22	2,587855E+22	2,587823E+22	2,543462E+22	2,410946E+22	2,175714E+22	1,900804E+22	1,709920E+22	1,709918E+22	1,900791E+22	2,175676E+22
-248	2,410882E+22	2,543386E+22	2,587779E+22	2,587840E+22	2,543511E+22	2,410976E+22	2,175728E+22	1,900811E+22	1,709920E+22	1,709913E+22	1,900796E+22	2,175720E+22
-247	2,411005E+22	2,543555E+22	2,587880E+22	2,587884E+22	2,543543E+22	2,410984E+22	2,175706E+22	1,900779E+22	1,709903E+22	1,709928E+22	1,900824E+22	2,175723E+22
-246	2,410948E+22	2,543459E+22	2,587759E+22	2,587739E+22	2,543444E+22	2,410974E+22	2,175757E+22	1,900845E+22	1,709950E+22	1,709933E+22	1,900795E+22	2,175681E+22
-245	2,410903E+22	2,543438E+22	2,587815E+22	2,587830E+22	2,543497E+22	2,410982E+22	2,175752E+22	1,900853E+22	1,709972E+22	1,709958E+22	1,900823E+22	2,175739E+22
-244	2,411016E+22	2,543559E+22	2,587894E+22	2,587869E+22	2,543481E+22	2,410928E+22	2,175706E+22	1,900841E+22	1,709996E+22	1,710007E+22	1,900862E+22	2,175719E+22
-243	2,410914E+22	2,543400E+22	2,587727E+22	2,587761E+22	2,543456E+22	2,410944E+22	2,175734E+22	1,900879E+22	1,710039E+22	1,710039E+22	1,900880E+22	2,175729E+22
-242	2,410939E+22	2,543489E+22	2,587856E+22	2,587862E+22	2,543522E+22	2,410988E+22	2,175752E+22	1,900875E+22	1,710031E+22	1,710049E+22	1,900919E+22	2,175804E+22
-241	2,411016E+22	2,543522E+22	2,587850E+22	2,587817E+22	2,543451E+22	2,410948E+22	2,175759E+22	1,900907E+22	1,710068E+22	1,710070E+22	1,900904E+22	2,175740E+22
-240	2,410915E+22	2,543400E+22	2,587755E+22	2,587788E+22	2,543461E+22	2,410960E+22	2,175781E+22	1,900947E+22	1,710109E+22	1,710090E+22	1,900902E+22	2,175749E+22
-239	2,410995E+22	2,543565E+22	2,587910E+22	2,587891E+22	2,543522E+22	2,410973E+22	2,175757E+22	1,900918E+22	1,710108E+22	1,710126E+22	1,900948E+22	2,175767E+22
-238	2,410951E+22	2,543473E+22	2,587810E+22	2,587786E+22	2,543441E+22	2,410953E+22	2,175785E+22	1,900963E+22	1,710141E+22	1,710130E+22	1,900926E+22	2,175719E+22
-237	2,410873E+22	2,543385E+22	2,587781E+22	2,587841E+22	2,543515E+22	2,410990E+22	2,175788E+22	1,900954E+22	1,710129E+22	1,710122E+22	1,900937E+22	2,175776E+22
-236	2,410995E+22	2,543531E+22	2,587876E+22	2,587880E+22	2,543515E+22	2,410966E+22	2,175753E+22	1,900912E+22	1,710097E+22	1,710115E+22	1,900955E+22	2,175782E+22
-235	2,410936E+22	2,543399E+22	2,587707E+22	2,587723E+22	2,543431E+22	2,410957E+22	2,175779E+22	1,900937E+22	1,710098E+22	1,710087E+22	1,900912E+22	2,175748E+22
-234	2,410939E+22	2,543468E+22	2,587826E+22	2,587821E+22	2,543478E+22	2,410976E+22	2,175778E+22	1,900913E+22	1,710057E+22	1,710050E+22	1,900897E+22	2,175783E+22
-233	2,411026E+22	2,543553E+22	2,587878E+22	2,587834E+22	2,543439E+22	2,410917E+22	2,175732E+22	1,900884E+22	1,710043E+22	1,710042E+22	1,900874E+22	2,175710E+22
-232	2,410902E+22	2,543411E+22	2,587752E+22	2,587782E+22	2,543453E+22	2,410928E+22	2,175724E+22	1,900873E+22	1,710026E+22	1,710015E+22	1,900851E+22	2,175708E+22
-231	2,410948E+22	2,543529E+22	2,587895E+22	2,587894E+22	2,543541E+22	2,410978E+22	2,175710E+22	1,900816E+22	1,709976E+22	1,710004E+22	1,900878E+22	2,175757E+22
-230	2,410962E+22	2,543473E+22	2,587813E+22	2,587800E+22	2,543456E+22	2,410957E+22	2,175744E+22	1,900852E+22	1,709982E+22	1,709979E+22	1,900836E+22	2,175703E+22
-229	2,410895E+22	2,543379E+22	2,587736E+22	2,587802E+22	2,543497E+22	2,410982E+22	2,175761E+22	1,900871E+22	1,709990E+22	1,709970E+22	1,900823E+22	2,175718E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410991E+22	2,543557E+22	2,587885E+22	2,587874E+22	2,543514E+22	2,410966E+22	2,175731E+22	1,900848E+22	1,709992E+22	1,709997E+22	1,900860E+22	2,175734E+22
-227	2,410938E+22	2,543442E+22	2,587751E+22	2,587732E+22	2,543414E+22	2,410934E+22	2,175749E+22	1,900892E+22	1,710039E+22	1,710027E+22	1,900858E+22	2,175698E+22
-226	2,410892E+22	2,543431E+22	2,587814E+22	2,587828E+22	2,543477E+22	2,410961E+22	2,175761E+22	1,900900E+22	1,710051E+22	1,710047E+22	1,900888E+22	2,175757E+22
-225	2,410992E+22	2,543529E+22	2,587877E+22	2,587867E+22	2,543481E+22	2,410935E+22	2,175728E+22	1,900887E+22	1,710070E+22	1,710091E+22	1,900931E+22	2,175753E+22
-224	2,410912E+22	2,543392E+22	2,587719E+22	2,587752E+22	2,543444E+22	2,410940E+22	2,175752E+22	1,900922E+22	1,710101E+22	1,710101E+22	1,900925E+22	2,175754E+22
-223	2,410952E+22	2,543497E+22	2,587854E+22	2,587855E+22	2,543513E+22	2,410984E+22	2,175767E+22	1,900921E+22	1,710108E+22	1,710125E+22	1,900959E+22	2,175808E+22
-222	2,411005E+22	2,543511E+22	2,587838E+22	2,587803E+22	2,543433E+22	2,410941E+22	2,175786E+22	1,900973E+22	1,710158E+22	1,710152E+22	1,900949E+22	2,175746E+22
-221	2,410904E+22	2,543393E+22	2,587744E+22	2,587786E+22	2,543458E+22	2,410953E+22	2,175798E+22	1,901003E+22	1,710193E+22	1,710170E+22	1,900947E+22	2,175741E+22
-220	2,410950E+22	2,543531E+22	2,587907E+22	2,587902E+22	2,543525E+22	2,410969E+22	2,175771E+22	1,900970E+22	1,710187E+22	1,710201E+22	1,901005E+22	2,175798E+22
-219	2,410938E+22	2,543425E+22	2,587763E+22	2,587760E+22	2,543428E+22	2,410944E+22	2,175789E+22	1,900995E+22	1,710205E+22	1,710207E+22	1,900990E+22	2,175761E+22
-218	2,410890E+22	2,543378E+22	2,587749E+22	2,587794E+22	2,543472E+22	2,410978E+22	2,175816E+22	1,901002E+22	1,710186E+22	1,710177E+22	1,900976E+22	2,175796E+22
-217	2,411001E+22	2,543531E+22	2,587861E+22	2,587849E+22	2,543480E+22	2,410951E+22	2,175772E+22	1,900963E+22	1,710162E+22	1,710171E+22	1,900985E+22	2,175790E+22
-216	2,410939E+22	2,543423E+22	2,587729E+22	2,587715E+22	2,543395E+22	2,410917E+22	2,175769E+22	1,900967E+22	1,710152E+22	1,710135E+22	1,900930E+22	2,175740E+22
-215	2,410927E+22	2,543479E+22	2,587857E+22	2,587848E+22	2,543478E+22	2,410951E+22	2,175759E+22	1,900931E+22	1,710116E+22	1,710119E+22	1,900933E+22	2,175775E+22
-214	2,410989E+22	2,543519E+22	2,587869E+22	2,587851E+22	2,543458E+22	2,410921E+22	2,175739E+22	1,900916E+22	1,710101E+22	1,710107E+22	1,900923E+22	2,175726E+22
-213	2,410887E+22	2,543380E+22	2,587719E+22	2,587776E+22	2,543475E+22	2,410953E+22	2,175753E+22	1,900911E+22	1,710077E+22	1,710067E+22	1,900886E+22	2,175715E+22
-212	2,410923E+22	2,543499E+22	2,587877E+22	2,587887E+22	2,543543E+22	2,410995E+22	2,175752E+22	1,900879E+22	1,710042E+22	1,710053E+22	1,900911E+22	2,175784E+22
-211	2,410967E+22	2,543452E+22	2,587773E+22	2,587760E+22	2,543428E+22	2,410943E+22	2,175762E+22	1,900910E+22	1,710063E+22	1,710054E+22	1,900880E+22	2,175719E+22
-210	2,410902E+22	2,543389E+22	2,587728E+22	2,587762E+22	2,543444E+22	2,410957E+22	2,175788E+22	1,900938E+22	1,710079E+22	1,710053E+22	1,900869E+22	2,175722E+22
-209	2,410968E+22	2,543541E+22	2,587887E+22	2,587872E+22	2,543490E+22	2,410939E+22	2,175737E+22	1,900904E+22	1,710084E+22	1,710094E+22	1,900928E+22	2,175753E+22
-208	2,410920E+22	2,543428E+22	2,587751E+22	2,587733E+22	2,543401E+22	2,410903E+22	2,175730E+22	1,900916E+22	1,710105E+22	1,710108E+22	1,900923E+22	2,175731E+22
-207	2,410891E+22	2,543419E+22	2,587809E+22	2,587831E+22	2,543481E+22	2,410957E+22	2,175755E+22	1,900920E+22	1,710113E+22	1,710128E+22	1,900951E+22	2,175791E+22
-206	2,410995E+22	2,543509E+22	2,587850E+22	2,587845E+22	2,543469E+22	2,410937E+22	2,175755E+22	1,900936E+22	1,710136E+22	1,710156E+22	1,900976E+22	2,175780E+22
-205	2,410930E+22	2,543398E+22	2,587699E+22	2,587728E+22	2,543433E+22	2,410941E+22	2,175782E+22	1,900983E+22	1,710175E+22	1,710159E+22	1,900945E+22	2,175743E+22
-204	2,410931E+22	2,543498E+22	2,587873E+22	2,587864E+22	2,543503E+22	2,410978E+22	2,175795E+22	1,900991E+22	1,710196E+22	1,710192E+22	1,900989E+22	2,175808E+22
-203	2,410981E+22	2,543484E+22	2,587826E+22	2,587801E+22	2,543422E+22	2,410920E+22	2,175788E+22	1,901025E+22	1,710249E+22	1,710245E+22	1,901005E+22	2,175753E+22
-202	2,410882E+22	2,543371E+22	2,587728E+22	2,587769E+22	2,543442E+22	2,410951E+22	2,175824E+22	1,901057E+22	1,710272E+22	1,710254E+22	1,901007E+22	2,175758E+22
-201	2,410920E+22	2,543486E+22	2,587877E+22	2,587885E+22	2,543516E+22	2,410974E+22	2,175798E+22	1,901022E+22	1,710260E+22	1,710278E+22	1,901065E+22	2,175828E+22
-200	2,410938E+22	2,543413E+22	2,587744E+22	2,587731E+22	2,543398E+22	2,410923E+22	2,175795E+22	1,901033E+22	1,710263E+22	1,710263E+22	1,901031E+22	2,175787E+22
-199	2,410908E+22	2,543391E+22	2,587751E+22	2,587779E+22	2,543448E+22	2,410954E+22	2,175810E+22	1,901033E+22	1,710252E+22	1,710244E+22	1,901011E+22	2,175802E+22
-198	2,410997E+22	2,543530E+22	2,587863E+22	2,587835E+22	2,543455E+22	2,410931E+22	2,175780E+22	1,901007E+22	1,710232E+22	1,710239E+22	1,901022E+22	2,175794E+22
-197	2,410932E+22	2,543420E+22	2,587735E+22	2,587729E+22	2,543402E+22	2,410906E+22	2,175768E+22	1,901000E+22	1,710212E+22	1,710194E+22	1,900962E+22	2,175733E+22
-196	2,410890E+22	2,543451E+22	2,587863E+22	2,587875E+22	2,543503E+22	2,410960E+22	2,175768E+22	1,900964E+22	1,710170E+22	1,710170E+22	1,900975E+22	2,175801E+22
-195	2,410975E+22	2,543473E+22	2,587827E+22	2,587833E+22	2,543463E+22	2,410930E+22	2,175753E+22	1,900948E+22	1,710155E+22	1,710168E+22	1,900970E+22	2,175756E+22
-194	2,410898E+22	2,543372E+22	2,587691E+22	2,587730E+22	2,543441E+22	2,410958E+22	2,175796E+22	1,900970E+22	1,710139E+22	1,710122E+22	1,900920E+22	2,175727E+22
-193	2,410914E+22	2,543481E+22	2,587857E+22	2,587854E+22	2,543511E+22	2,410986E+22	2,175783E+22	1,900945E+22	1,710125E+22	1,710124E+22	1,900947E+22	2,175784E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-192	2,410959E+22	2,543461E+22	2,587784E+22	2,587743E+22	2,543389E+22	2,410905E+22	2,175757E+22	1,900953E+22	1,710140E+22	1,710130E+22	1,900922E+22	2,175725E+22
-191	2,410892E+22	2,543390E+22	2,587745E+22	2,587772E+22	2,543432E+22	2,410922E+22	2,175762E+22	1,900962E+22	1,710157E+22	1,710145E+22	1,900928E+22	2,175733E+22
-190	2,410944E+22	2,543507E+22	2,587867E+22	2,587866E+22	2,543492E+22	2,410936E+22	2,175743E+22	1,900940E+22	1,710153E+22	1,710175E+22	1,900993E+22	2,175789E+22
-189	2,410924E+22	2,543408E+22	2,587729E+22	2,587729E+22	2,543412E+22	2,410913E+22	2,175749E+22	1,900954E+22	1,710162E+22	1,710166E+22	1,900964E+22	2,175750E+22
-188	2,410887E+22	2,543407E+22	2,587804E+22	2,587830E+22	2,543483E+22	2,410966E+22	2,175788E+22	1,900980E+22	1,710181E+22	1,710179E+22	1,900984E+22	2,175815E+22
-187	2,411003E+22	2,543499E+22	2,587828E+22	2,587818E+22	2,543451E+22	2,410931E+22	2,175777E+22	1,900999E+22	1,710224E+22	1,710234E+22	1,901016E+22	2,175786E+22
-186	2,410928E+22	2,543410E+22	2,587710E+22	2,587704E+22	2,543392E+22	2,410929E+22	2,175820E+22	1,901057E+22	1,710271E+22	1,710247E+22	1,900990E+22	2,175734E+22
-185	2,410888E+22	2,543462E+22	2,587871E+22	2,587870E+22	2,543496E+22	2,410966E+22	2,175813E+22	1,901058E+22	1,710299E+22	1,710294E+22	1,901052E+22	2,175812E+22
-184	2,410949E+22	2,543455E+22	2,587811E+22	2,587792E+22	2,543414E+22	2,410903E+22	2,175782E+22	1,901058E+22	1,710324E+22	1,710332E+22	1,901073E+22	2,175786E+22
-183	2,410879E+22	2,543348E+22	2,587706E+22	2,587750E+22	2,543431E+22	2,410942E+22	2,175819E+22	1,901084E+22	1,710339E+22	1,710335E+22	1,901067E+22	2,175793E+22
-182	2,410928E+22	2,543463E+22	2,587840E+22	2,587846E+22	2,543489E+22	2,410967E+22	2,175820E+22	1,901071E+22	1,710324E+22	1,710339E+22	1,901109E+22	2,175859E+22
-181	2,410963E+22	2,543423E+22	2,587737E+22	2,587713E+22	2,543376E+22	2,410904E+22	2,175803E+22	1,901075E+22	1,710322E+22	1,710312E+22	1,901050E+22	2,175780E+22
-180	2,410897E+22	2,543400E+22	2,587783E+22	2,587800E+22	2,543440E+22	2,410938E+22	2,175814E+22	1,901074E+22	1,710313E+22	1,710295E+22	1,901039E+22	2,175806E+22
-179	2,410980E+22	2,543509E+22	2,587859E+22	2,587844E+22	2,543459E+22	2,410918E+22	2,175773E+22	1,901034E+22	1,710294E+22	1,710309E+22	1,901068E+22	2,175801E+22
-178	2,410914E+22	2,543403E+22	2,587729E+22	2,587719E+22	2,543400E+22	2,410924E+22	2,175799E+22	1,901040E+22	1,710267E+22	1,710255E+22	1,901005E+22	2,175742E+22
-177	2,410863E+22	2,543405E+22	2,587836E+22	2,587865E+22	2,543509E+22	2,410982E+22	2,175807E+22	1,901018E+22	1,710235E+22	1,710231E+22	1,901013E+22	2,175811E+22
-176	2,410973E+22	2,543461E+22	2,587801E+22	2,587798E+22	2,543436E+22	2,410919E+22	2,175768E+22	1,900992E+22	1,710216E+22	1,710222E+22	1,901002E+22	2,175771E+22
-175	2,410908E+22	2,543377E+22	2,587687E+22	2,587703E+22	2,543408E+22	2,410935E+22	2,175796E+22	1,901014E+22	1,710218E+22	1,710198E+22	1,900959E+22	2,175732E+22
-174	2,410905E+22	2,543467E+22	2,587848E+22	2,587830E+22	2,543473E+22	2,410958E+22	2,175790E+22	1,900997E+22	1,710206E+22	1,710206E+22	1,900999E+22	2,175798E+22
-173	2,410950E+22	2,543444E+22	2,587780E+22	2,587749E+22	2,543380E+22	2,410878E+22	2,175746E+22	1,900985E+22	1,710209E+22	1,710206E+22	1,900974E+22	2,175736E+22
-172	2,410870E+22	2,543365E+22	2,587748E+22	2,587790E+22	2,543446E+22	2,410923E+22	2,175762E+22	1,900990E+22	1,710213E+22	1,710209E+22	1,900985E+22	2,175774E+22
-171	2,410950E+22	2,543478E+22	2,587832E+22	2,587840E+22	2,543483E+22	2,410936E+22	2,175754E+22	1,900974E+22	1,710215E+22	1,710243E+22	1,901044E+22	2,175820E+22
-170	2,410946E+22	2,543418E+22	2,587722E+22	2,587693E+22	2,543379E+22	2,410918E+22	2,175793E+22	1,901018E+22	1,710234E+22	1,710226E+22	1,900994E+22	2,175752E+22
-169	2,410877E+22	2,543399E+22	2,587805E+22	2,587821E+22	2,543465E+22	2,410962E+22	2,175821E+22	1,901055E+22	1,710277E+22	1,710258E+22	1,901013E+22	2,175797E+22
-168	2,410981E+22	2,543500E+22	2,587842E+22	2,587817E+22	2,543429E+22	2,410905E+22	2,175780E+22	1,901052E+22	1,710315E+22	1,710322E+22	1,901063E+22	2,175783E+22
-167	2,410900E+22	2,543390E+22	2,587719E+22	2,587717E+22	2,543392E+22	2,410913E+22	2,175811E+22	1,901099E+22	1,710365E+22	1,710351E+22	1,901057E+22	2,175746E+22
-166	2,410854E+22	2,543407E+22	2,587832E+22	2,587852E+22	2,543494E+22	2,410975E+22	2,175836E+22	1,901108E+22	1,710380E+22	1,710387E+22	1,901126E+22	2,175850E+22
-165	2,410949E+22	2,543420E+22	2,587776E+22	2,587775E+22	2,543409E+22	2,410907E+22	2,175804E+22	1,901104E+22	1,710390E+22	1,710400E+22	1,901124E+22	2,175814E+22
-164	2,410887E+22	2,543339E+22	2,587695E+22	2,587738E+22	2,543419E+22	2,410939E+22	2,175839E+22	1,901134E+22	1,710401E+22	1,710388E+22	1,901108E+22	2,175825E+22
-163	2,410947E+22	2,543463E+22	2,587821E+22	2,587812E+22	2,543455E+22	2,410947E+22	2,175828E+22	1,901117E+22	1,710398E+22	1,710410E+22	1,901149E+22	2,175871E+22
-162	2,410974E+22	2,543446E+22	2,587760E+22	2,587701E+22	2,543339E+22	2,410888E+22	2,175824E+22	1,901124E+22	1,710391E+22	1,710379E+22	1,901086E+22	2,175774E+22
-161	2,410866E+22	2,543373E+22	2,587789E+22	2,587819E+22	2,543447E+22	2,410933E+22	2,175823E+22	1,901117E+22	1,710384E+22	1,710368E+22	1,901081E+22	2,175802E+22
-160	2,410956E+22	2,543488E+22	2,587847E+22	2,587842E+22	2,543464E+22	2,410920E+22	2,175773E+22	1,901054E+22	1,710343E+22	1,710368E+22	1,901114E+22	2,175821E+22
-159	2,410912E+22	2,543387E+22	2,587713E+22	2,587703E+22	2,543390E+22	2,410923E+22	2,175804E+22	1,901068E+22	1,710322E+22	1,710314E+22	1,901042E+22	2,175757E+22
-158	2,410859E+22	2,543374E+22	2,587791E+22	2,587820E+22	2,543478E+22	2,410981E+22	2,175838E+22	1,901073E+22	1,710301E+22	1,710288E+22	1,901046E+22	2,175821E+22
-157	2,410978E+22	2,543455E+22	2,587792E+22	2,587783E+22	2,543408E+22	2,410897E+22	2,175777E+22	1,901039E+22	1,710284E+22	1,710280E+22	1,901025E+22	2,175762E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410890E+22	2,543373E+22	2,587705E+22	2,587716E+22	2,543392E+22	2,410909E+22	2,175793E+22	1,901052E+22	1,710284E+22	1,710263E+22	1,901003E+22	2,175745E+22
-155	2,410889E+22	2,543441E+22	2,587831E+22	2,587824E+22	2,543463E+22	2,410939E+22	2,175781E+22	1,901026E+22	1,710276E+22	1,710289E+22	1,901062E+22	2,175821E+22
-154	2,410948E+22	2,543435E+22	2,587775E+22	2,587733E+22	2,543367E+22	2,410887E+22	2,175771E+22	1,901021E+22	1,710267E+22	1,710273E+22	1,901027E+22	2,175757E+22
-153	2,410857E+22	2,543334E+22	2,587732E+22	2,587787E+22	2,543447E+22	2,410936E+22	2,175795E+22	1,901045E+22	1,710284E+22	1,710275E+22	1,901025E+22	2,175784E+22
-152	2,410955E+22	2,543481E+22	2,587820E+22	2,587819E+22	2,543465E+22	2,410931E+22	2,175770E+22	1,901023E+22	1,710287E+22	1,710309E+22	1,901080E+22	2,175829E+22
-151	2,410950E+22	2,543428E+22	2,587732E+22	2,587684E+22	2,543356E+22	2,410903E+22	2,175801E+22	1,901075E+22	1,710330E+22	1,710315E+22	1,901036E+22	2,175747E+22
-150	2,410853E+22	2,543371E+22	2,587793E+22	2,587811E+22	2,543446E+22	2,410953E+22	2,175846E+22	1,901124E+22	1,710378E+22	1,710358E+22	1,901075E+22	2,175805E+22
-149	2,410953E+22	2,543461E+22	2,587829E+22	2,587830E+22	2,543431E+22	2,410893E+22	2,175785E+22	1,901100E+22	1,710400E+22	1,710414E+22	1,901128E+22	2,175801E+22
-148	2,410877E+22	2,543352E+22	2,587702E+22	2,587721E+22	2,543397E+22	2,410919E+22	2,175825E+22	1,901139E+22	1,710431E+22	1,710428E+22	1,901131E+22	2,175798E+22
-147	2,410866E+22	2,543376E+22	2,587781E+22	2,587805E+22	2,543464E+22	2,410970E+22	2,175854E+22	1,901153E+22	1,710449E+22	1,710462E+22	1,901187E+22	2,175891E+22
-146	2,410980E+22	2,543438E+22	2,587763E+22	2,587726E+22	2,543359E+22	2,410899E+22	2,175838E+22	1,901160E+22	1,710458E+22	1,710461E+22	1,901159E+22	2,175824E+22
-145	2,410890E+22	2,543348E+22	2,587707E+22	2,587735E+22	2,543396E+22	2,410922E+22	2,175854E+22	1,901190E+22	1,710481E+22	1,710457E+22	1,901134E+22	2,175811E+22
-144	2,410939E+22	2,543480E+22	2,587842E+22	2,587818E+22	2,543434E+22	2,410915E+22	2,175814E+22	1,901146E+22	1,710463E+22	1,710476E+22	1,901185E+22	2,175866E+22
-143	2,410951E+22	2,543436E+22	2,587776E+22	2,587727E+22	2,543349E+22	2,410877E+22	2,175811E+22	1,901149E+22	1,710457E+22	1,710450E+22	1,901129E+22	2,175776E+22
-142	2,410834E+22	2,543327E+22	2,587759E+22	2,587813E+22	2,543455E+22	2,410952E+22	2,175851E+22	1,901158E+22	1,710441E+22	1,710429E+22	1,901127E+22	2,175818E+22
-141	2,410940E+22	2,543448E+22	2,587815E+22	2,587834E+22	2,543460E+22	2,410927E+22	2,175799E+22	1,901098E+22	1,710395E+22	1,710414E+22	1,901141E+22	2,175828E+22
-140	2,410905E+22	2,543372E+22	2,587697E+22	2,587691E+22	2,543378E+22	2,410925E+22	2,175830E+22	1,901117E+22	1,710379E+22	1,710364E+22	1,901079E+22	2,175776E+22
-139	2,410862E+22	2,543364E+22	2,587760E+22	2,587777E+22	2,543433E+22	2,410958E+22	2,175848E+22	1,901123E+22	1,710379E+22	1,710365E+22	1,901092E+22	2,175830E+22
-138	2,410976E+22	2,543464E+22	2,587799E+22	2,587762E+22	2,543365E+22	2,410874E+22	2,175790E+22	1,901085E+22	1,710358E+22	1,710358E+22	1,901077E+22	2,175767E+22
-137	2,410864E+22	2,543346E+22	2,587702E+22	2,587733E+22	2,543395E+22	2,410896E+22	2,175789E+22	1,901087E+22	1,710355E+22	1,710343E+22	1,901058E+22	2,175759E+22
-136	2,410884E+22	2,543429E+22	2,587813E+22	2,587814E+22	2,543455E+22	2,410930E+22	2,175774E+22	1,901042E+22	1,710325E+22	1,710353E+22	1,901117E+22	2,175855E+22
-135	2,410961E+22	2,543433E+22	2,587769E+22	2,587727E+22	2,543356E+22	2,410882E+22	2,175778E+22	1,901056E+22	1,710328E+22	1,710333E+22	1,901067E+22	2,175774E+22
-134	2,410861E+22	2,543322E+22	2,587709E+22	2,587761E+22	2,543425E+22	2,410940E+22	2,175833E+22	1,901110E+22	1,710361E+22	1,710341E+22	1,901059E+22	2,175785E+22
-133	2,410945E+22	2,543475E+22	2,587826E+22	2,587824E+22	2,543448E+22	2,410919E+22	2,175792E+22	1,901084E+22	1,710370E+22	1,710381E+22	1,901109E+22	2,175814E+22
-132	2,410920E+22	2,543414E+22	2,587747E+22	2,587709E+22	2,543358E+22	2,410896E+22	2,175816E+22	1,901130E+22	1,710413E+22	1,710402E+22	1,901097E+22	2,175761E+22
-131	2,410826E+22	2,543328E+22	2,587753E+22	2,587793E+22	2,543438E+22	2,410950E+22	2,175859E+22	1,901176E+22	1,710469E+22	1,710460E+22	1,901153E+22	2,175836E+22
-130	2,410946E+22	2,543441E+22	2,587804E+22	2,587799E+22	2,543410E+22	2,410906E+22	2,175822E+22	1,901155E+22	1,710477E+22	1,710497E+22	1,901194E+22	2,175835E+22
-129	2,410874E+22	2,543325E+22	2,587674E+22	2,587702E+22	2,543380E+22	2,410917E+22	2,175854E+22	1,901201E+22	1,710512E+22	1,710504E+22	1,901177E+22	2,175818E+22
-128	2,410886E+22	2,543392E+22	2,587768E+22	2,587772E+22	2,543424E+22	2,410943E+22	2,175859E+22	1,901197E+22	1,710521E+22	1,710531E+22	1,901229E+22	2,175907E+22
-127	2,410994E+22	2,543466E+22	2,587788E+22	2,587725E+22	2,543326E+22	2,410863E+22	2,175829E+22	1,901202E+22	1,710539E+22	1,710535E+22	1,901195E+22	2,175818E+22
-126	2,410867E+22	2,543334E+22	2,587709E+22	2,587740E+22	2,543383E+22	2,410906E+22	2,175864E+22	1,901237E+22	1,710557E+22	1,710534E+22	1,901181E+22	2,175811E+22
-125	2,410906E+22	2,543445E+22	2,587841E+22	2,587847E+22	2,543452E+22	2,410914E+22	2,175814E+22	1,901173E+22	1,710519E+22	1,710539E+22	1,901227E+22	2,175872E+22
-124	2,410925E+22	2,543400E+22	2,587759E+22	2,587740E+22	2,543368E+22	2,410896E+22	2,175831E+22	1,901178E+22	1,710499E+22	1,710501E+22	1,901179E+22	2,175807E+22
-123	2,410832E+22	2,543292E+22	2,587699E+22	2,587766E+22	2,543431E+22	2,410956E+22	2,175881E+22	1,901207E+22	1,710501E+22	1,710487E+22	1,901169E+22	2,175839E+22
-122	2,410950E+22	2,543453E+22	2,587795E+22	2,587786E+22	2,543415E+22	2,410921E+22	2,175833E+22	1,901154E+22	1,710460E+22	1,710468E+22	1,901169E+22	2,175827E+22
-121	2,410890E+22	2,543364E+22	2,587698E+22	2,587684E+22	2,543350E+22	2,410901E+22	2,175840E+22	1,901170E+22	1,710458E+22	1,710435E+22	1,901110E+22	2,175766E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410852E+22	2,543370E+22	2,587763E+22	2,587771E+22	2,543404E+22	2,410919E+22	2,175829E+22	1,901145E+22	1,710441E+22	1,710440E+22	1,901145E+22	2,175844E+22
-119	2,410963E+22	2,543458E+22	2,587804E+22	2,587773E+22	2,543364E+22	2,410855E+22	2,175773E+22	1,901106E+22	1,710420E+22	1,710430E+22	1,901131E+22	2,175788E+22
-118	2,410850E+22	2,543315E+22	2,587674E+22	2,587723E+22	2,543398E+22	2,410910E+22	2,175814E+22	1,901125E+22	1,710410E+22	1,710404E+22	1,901108E+22	2,175786E+22
-117	2,410884E+22	2,543409E+22	2,587798E+22	2,587817E+22	2,543453E+22	2,410932E+22	2,175798E+22	1,901087E+22	1,710380E+22	1,710400E+22	1,901143E+22	2,175864E+22
-116	2,410962E+22	2,543433E+22	2,587768E+22	2,587731E+22	2,543354E+22	2,410889E+22	2,175809E+22	1,901112E+22	1,710393E+22	1,710393E+22	1,901105E+22	2,175786E+22
-115	2,410856E+22	2,543315E+22	2,587688E+22	2,587732E+22	2,543391E+22	2,410927E+22	2,175860E+22	1,901179E+22	1,710457E+22	1,710432E+22	1,901112E+22	2,175788E+22
-114	2,410922E+22	2,543466E+22	2,587826E+22	2,587810E+22	2,543422E+22	2,410911E+22	2,175818E+22	1,901149E+22	1,710466E+22	1,710477E+22	1,901171E+22	2,175821E+22
-113	2,410883E+22	2,543373E+22	2,587730E+22	2,587718E+22	2,543364E+22	2,410893E+22	2,175830E+22	1,901186E+22	1,710508E+22	1,710503E+22	1,901165E+22	2,175786E+22
-112	2,410826E+22	2,543313E+22	2,587715E+22	2,587757E+22	2,543409E+22	2,410933E+22	2,175861E+22	1,901209E+22	1,710538E+22	1,710543E+22	1,901223E+22	2,175879E+22
-111	2,410963E+22	2,543441E+22	2,587787E+22	2,587771E+22	2,543376E+22	2,410880E+22	2,175826E+22	1,901203E+22	1,710553E+22	1,710567E+22	1,901241E+22	2,175859E+22
-110	2,410884E+22	2,543327E+22	2,587662E+22	2,587678E+22	2,543349E+22	2,410900E+22	2,175873E+22	1,901257E+22	1,710589E+22	1,710571E+22	1,901214E+22	2,175825E+22
-109	2,410879E+22	2,543394E+22	2,587790E+22	2,587791E+22	2,543405E+22	2,410912E+22	2,175857E+22	1,901239E+22	1,710590E+22	1,710594E+22	1,901256E+22	2,175895E+22
-108	2,410967E+22	2,543456E+22	2,587812E+22	2,587767E+22	2,543347E+22	2,410861E+22	2,175834E+22	1,901235E+22	1,710596E+22	1,710603E+22	1,901247E+22	2,175827E+22
-107	2,410837E+22	2,543297E+22	2,587679E+22	2,587733E+22	2,543391E+22	2,410917E+22	2,175882E+22	1,901277E+22	1,710625E+22	1,710610E+22	1,901239E+22	2,175829E+22
-106	2,410885E+22	2,543417E+22	2,587813E+22	2,587820E+22	2,543446E+22	2,410942E+22	2,175859E+22	1,901225E+22	1,710579E+22	1,710597E+22	1,901267E+22	2,175887E+22
-105	2,410910E+22	2,543366E+22	2,587726E+22	2,587723E+22	2,543364E+22	2,410905E+22	2,175867E+22	1,901240E+22	1,710572E+22	1,710562E+22	1,901207E+22	2,175815E+22
-104	2,410845E+22	2,543298E+22	2,587668E+22	2,587716E+22	2,543385E+22	2,410930E+22	2,175888E+22	1,901251E+22	1,710570E+22	1,710552E+22	1,901208E+22	2,175853E+22
-103	2,410953E+22	2,543465E+22	2,587804E+22	2,587772E+22	2,543374E+22	2,410877E+22	2,175825E+22	1,901199E+22	1,710538E+22	1,710540E+22	1,901211E+22	2,175834E+22
-102	2,410872E+22	2,543347E+22	2,587693E+22	2,587683E+22	2,543332E+22	2,410874E+22	2,175837E+22	1,901207E+22	1,710526E+22	1,710510E+22	1,901167E+22	2,175785E+22
-101	2,410831E+22	2,543344E+22	2,587765E+22	2,587792E+22	2,543409E+22	2,410903E+22	2,175816E+22	1,901161E+22	1,710488E+22	1,710497E+22	1,901192E+22	2,175868E+22
-100	2,410959E+22	2,543443E+22	2,587797E+22	2,587783E+22	2,543379E+22	2,410869E+22	2,175788E+22	1,901127E+22	1,710452E+22	1,710476E+22	1,901179E+22	2,175822E+22
-99	2,410860E+22	2,543303E+22	2,587636E+22	2,587685E+22	2,543377E+22	2,410914E+22	2,175846E+22	1,901179E+22	1,710475E+22	1,710460E+22	1,901143E+22	2,175799E+22
-98	2,410890E+22	2,543422E+22	2,587797E+22	2,587787E+22	2,543426E+22	2,410937E+22	2,175838E+22	1,901155E+22	1,710459E+22	1,710460E+22	1,901165E+22	2,175851E+22
-97	2,410936E+22	2,543422E+22	2,587775E+22	2,587740E+22	2,543346E+22	2,410875E+22	2,175830E+22	1,901182E+22	1,710492E+22	1,710478E+22	1,901138E+22	2,175771E+22
-96	2,410832E+22	2,543304E+22	2,587676E+22	2,587721E+22	2,543373E+22	2,410902E+22	2,175858E+22	1,901225E+22	1,710545E+22	1,710529E+22	1,901181E+22	2,175807E+22
-95	2,410898E+22	2,543439E+22	2,587816E+22	2,587808E+22	2,543414E+22	2,410892E+22	2,175818E+22	1,901195E+22	1,710551E+22	1,710568E+22	1,901241E+22	2,175851E+22
-94	2,410866E+22	2,543332E+22	2,587689E+22	2,587692E+22	2,543349E+22	2,410893E+22	2,175856E+22	1,901240E+22	1,710586E+22	1,710585E+22	1,901231E+22	2,175823E+22
-93	2,410828E+22	2,543295E+22	2,587701E+22	2,587746E+22	2,543389E+22	2,410916E+22	2,175872E+22	1,901256E+22	1,710606E+22	1,710607E+22	1,901264E+22	2,175901E+22
-92	2,410974E+22	2,543452E+22	2,587793E+22	2,587768E+22	2,543364E+22	2,410872E+22	2,175840E+22	1,901247E+22	1,710618E+22	1,710635E+22	1,901288E+22	2,175874E+22
-91	2,410883E+22	2,543329E+22	2,587657E+22	2,587660E+22	2,543320E+22	2,410881E+22	2,175888E+22	1,901314E+22	1,710675E+22	1,710655E+22	1,901264E+22	2,175831E+22
-90	2,410860E+22	2,543388E+22	2,587799E+22	2,587795E+22	2,543403E+22	2,410912E+22	2,175873E+22	1,901288E+22	1,710667E+22	1,710670E+22	1,901303E+22	2,175898E+22
-89	2,410931E+22	2,543413E+22	2,587796E+22	2,587784E+22	2,543373E+22	2,410876E+22	2,175853E+22	1,901281E+22	1,710670E+22	1,710677E+22	1,901291E+22	2,175842E+22
-88	2,410834E+22	2,543277E+22	2,587638E+22	2,587694E+22	2,543372E+22	2,410917E+22	2,175899E+22	1,901313E+22	1,710681E+22	1,710674E+22	1,901290E+22	2,175859E+22
-87	2,410890E+22	2,543408E+22	2,587792E+22	2,587785E+22	2,543411E+22	2,410920E+22	2,175875E+22	1,901279E+22	1,710649E+22	1,710652E+22	1,901298E+22	2,175897E+22
-86	2,410907E+22	2,543360E+22	2,587708E+22	2,587688E+22	2,543327E+22	2,410885E+22	2,175885E+22	1,901297E+22	1,710648E+22	1,710627E+22	1,901241E+22	2,175819E+22
-85	2,410832E+22	2,543295E+22	2,587686E+22	2,587722E+22	2,543356E+22	2,410887E+22	2,175874E+22	1,901283E+22	1,710633E+22	1,710613E+22	1,901241E+22	2,175853E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410935E+22	2,543455E+22	2,587818E+22	2,587797E+22	2,543385E+22	2,410865E+22	2,175815E+22	1,901216E+22	1,710584E+22	1,710604E+22	1,901267E+22	2,175857E+22
-83	2,410859E+22	2,543323E+22	2,587671E+22	2,587671E+22	2,543332E+22	2,410877E+22	2,175847E+22	1,901237E+22	1,710580E+22	1,710574E+22	1,901220E+22	2,175814E+22
-82	2,410830E+22	2,543331E+22	2,587749E+22	2,587772E+22	2,543406E+22	2,410922E+22	2,175848E+22	1,901204E+22	1,710539E+22	1,710543E+22	1,901222E+22	2,175880E+22
-81	2,410953E+22	2,543426E+22	2,587784E+22	2,587783E+22	2,543388E+22	2,410882E+22	2,175822E+22	1,901189E+22	1,710526E+22	1,710532E+22	1,901197E+22	2,175821E+22
-80	2,410870E+22	2,543317E+22	2,587624E+22	2,587649E+22	2,543341E+22	2,410894E+22	2,175859E+22	1,901231E+22	1,710554E+22	1,710535E+22	1,901182E+22	2,175800E+22
-79	2,410870E+22	2,543416E+22	2,587806E+22	2,587781E+22	2,543395E+22	2,410901E+22	2,175843E+22	1,901219E+22	1,710557E+22	1,710548E+22	1,901212E+22	2,175848E+22
-78	2,410897E+22	2,543384E+22	2,587759E+22	2,587739E+22	2,543343E+22	2,410862E+22	2,175838E+22	1,901237E+22	1,710586E+22	1,710578E+22	1,901211E+22	2,175795E+22
-77	2,410803E+22	2,543260E+22	2,587658E+22	2,587719E+22	2,543367E+22	2,410886E+22	2,175854E+22	1,901255E+22	1,710613E+22	1,710610E+22	1,901247E+22	2,175847E+22
-76	2,410901E+22	2,543415E+22	2,587790E+22	2,587794E+22	2,543411E+22	2,410898E+22	2,175835E+22	1,901228E+22	1,710603E+22	1,710637E+22	1,901307E+22	2,175898E+22
-75	2,410888E+22	2,543327E+22	2,587658E+22	2,587645E+22	2,543310E+22	2,410880E+22	2,175879E+22	1,901297E+22	1,710662E+22	1,710655E+22	1,901278E+22	2,175847E+22
-74	2,410844E+22	2,543317E+22	2,587711E+22	2,587722E+22	2,543359E+22	2,410905E+22	2,175892E+22	1,901315E+22	1,710687E+22	1,710675E+22	1,901292E+22	2,175894E+22
-73	2,410955E+22	2,543449E+22	2,587814E+22	2,587792E+22	2,543370E+22	2,410863E+22	2,175854E+22	1,901305E+22	1,710708E+22	1,710715E+22	1,901318E+22	2,175864E+22
-72	2,410867E+22	2,543322E+22	2,587654E+22	2,587658E+22	2,543318E+22	2,410871E+22	2,175888E+22	1,901352E+22	1,710751E+22	1,710740E+22	1,901322E+22	2,175844E+22
-71	2,410835E+22	2,543358E+22	2,587789E+22	2,587797E+22	2,543405E+22	2,410911E+22	2,175891E+22	1,901340E+22	1,710743E+22	1,710742E+22	1,901351E+22	2,175914E+22
-70	2,410911E+22	2,543371E+22	2,587757E+22	2,587760E+22	2,543369E+22	2,410889E+22	2,175891E+22	1,901342E+22	1,710743E+22	1,710746E+22	1,901340E+22	2,175864E+22
-69	2,410826E+22	2,543254E+22	2,587622E+22	2,587672E+22	2,543346E+22	2,410902E+22	2,175913E+22	1,901361E+22	1,710746E+22	1,710731E+22	1,901323E+22	2,175873E+22
-68	2,410895E+22	2,543409E+22	2,587790E+22	2,587769E+22	2,543389E+22	2,410908E+22	2,175886E+22	1,901316E+22	1,710708E+22	1,710718E+22	1,901344E+22	2,175910E+22
-67	2,410901E+22	2,543353E+22	2,587700E+22	2,587664E+22	2,543288E+22	2,410854E+22	2,175887E+22	1,901342E+22	1,710724E+22	1,710707E+22	1,901295E+22	2,175834E+22
-66	2,410821E+22	2,543288E+22	2,587692E+22	2,587724E+22	2,543354E+22	2,410877E+22	2,175867E+22	1,901310E+22	1,710693E+22	1,710680E+22	1,901288E+22	2,175868E+22
-65	2,410919E+22	2,543426E+22	2,587806E+22	2,587808E+22	2,543405E+22	2,410874E+22	2,175822E+22	1,901243E+22	1,710638E+22	1,710661E+22	1,901301E+22	2,175876E+22
-64	2,410874E+22	2,543317E+22	2,587644E+22	2,587637E+22	2,543314E+22	2,410874E+22	2,175858E+22	1,901265E+22	1,710625E+22	1,710623E+22	1,901257E+22	2,175837E+22
-63	2,410841E+22	2,543333E+22	2,587747E+22	2,587754E+22	2,543380E+22	2,410903E+22	2,175866E+22	1,901260E+22	1,710605E+22	1,710590E+22	1,901237E+22	2,175872E+22
-62	2,410938E+22	2,543414E+22	2,587777E+22	2,587765E+22	2,543367E+22	2,410872E+22	2,175845E+22	1,901251E+22	1,710609E+22	1,710603E+22	1,901229E+22	2,175810E+22
-61	2,410835E+22	2,543296E+22	2,587642E+22	2,587659E+22	2,543325E+22	2,410868E+22	2,175858E+22	1,901274E+22	1,710632E+22	1,710615E+22	1,901228E+22	2,175801E+22
-60	2,410841E+22	2,543382E+22	2,587799E+22	2,587792E+22	2,543408E+22	2,410903E+22	2,175847E+22	1,901249E+22	1,710623E+22	1,710637E+22	1,901285E+22	2,175875E+22
-59	2,410880E+22	2,543342E+22	2,587717E+22	2,587705E+22	2,543328E+22	2,410866E+22	2,175860E+22	1,901287E+22	1,710665E+22	1,710667E+22	1,901284E+22	2,175838E+22
-58	2,410812E+22	2,543244E+22	2,587632E+22	2,587686E+22	2,543350E+22	2,410891E+22	2,175879E+22	1,901309E+22	1,710686E+22	1,710678E+22	1,901293E+22	2,175874E+22
-57	2,410913E+22	2,543407E+22	2,587776E+22	2,587779E+22	2,543400E+22	2,410895E+22	2,175861E+22	1,901292E+22	1,710690E+22	1,710707E+22	1,901336E+22	2,175909E+22
-56	2,410911E+22	2,543351E+22	2,587661E+22	2,587615E+22	2,543269E+22	2,410852E+22	2,175886E+22	1,901348E+22	1,710745E+22	1,710738E+22	1,901325E+22	2,175855E+22
-55	2,410835E+22	2,543323E+22	2,587738E+22	2,587734E+22	2,543336E+22	2,410869E+22	2,175896E+22	1,901375E+22	1,710778E+22	1,710759E+22	1,901337E+22	2,175889E+22
-54	2,410919E+22	2,543415E+22	2,587807E+22	2,587804E+22	2,543384E+22	2,410867E+22	2,175868E+22	1,901357E+22	1,710795E+22	1,710807E+22	1,901381E+22	2,175878E+22
-53	2,410834E+22	2,543281E+22	2,587645E+22	2,587660E+22	2,543321E+22	2,410873E+22	2,175897E+22	1,901386E+22	1,710814E+22	1,710811E+22	1,901376E+22	2,175871E+22
-52	2,410832E+22	2,543325E+22	2,587758E+22	2,587779E+22	2,543404E+22	2,410925E+22	2,175918E+22	1,901379E+22	1,710797E+22	1,710806E+22	1,901403E+22	2,175939E+22
-51	2,410918E+22	2,543358E+22	2,587722E+22	2,587711E+22	2,543327E+22	2,410877E+22	2,175918E+22	1,901405E+22	1,710823E+22	1,710816E+22	1,901381E+22	2,175881E+22
-50	2,410833E+22	2,543262E+22	2,587622E+22	2,587643E+22	2,543309E+22	2,410880E+22	2,175920E+22	1,901410E+22	1,710820E+22	1,710796E+22	1,901352E+22	2,175868E+22
-49	2,410878E+22	2,543397E+22	2,587800E+22	2,587784E+22	2,543386E+22	2,410891E+22	2,175886E+22	1,901357E+22	1,710781E+22	1,710789E+22	1,901378E+22	2,175912E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410899E+22	2,543346E+22	2,587695E+22	2,587657E+22	2,543276E+22	2,410834E+22	2,175871E+22	1,901355E+22	1,710775E+22	1,710775E+22	1,901351E+22	2,175856E+22
-47	2,410811E+22	2,543268E+22	2,587687E+22	2,587723E+22	2,543348E+22	2,410869E+22	2,175875E+22	1,901343E+22	1,710742E+22	1,710729E+22	1,901322E+22	2,175882E+22
-46	2,410910E+22	2,543397E+22	2,587779E+22	2,587794E+22	2,543409E+22	2,410891E+22	2,175852E+22	1,901291E+22	1,710695E+22	1,710713E+22	1,901333E+22	2,175885E+22
-45	2,410867E+22	2,543307E+22	2,587644E+22	2,587624E+22	2,543295E+22	2,410866E+22	2,175872E+22	1,901307E+22	1,710685E+22	1,710673E+22	1,901279E+22	2,175837E+22
-44	2,410836E+22	2,543326E+22	2,587747E+22	2,587747E+22	2,543368E+22	2,410901E+22	2,175886E+22	1,901303E+22	1,710672E+22	1,710662E+22	1,901279E+22	2,175868E+22
-43	2,410913E+22	2,543391E+22	2,587766E+22	2,587748E+22	2,543338E+22	2,410853E+22	2,175859E+22	1,901310E+22	1,710699E+22	1,710696E+22	1,901291E+22	2,175825E+22
-42	2,410813E+22	2,543267E+22	2,587627E+22	2,587651E+22	2,543321E+22	2,410865E+22	2,175861E+22	1,901316E+22	1,710710E+22	1,710700E+22	1,901290E+22	2,175826E+22
-41	2,410828E+22	2,543343E+22	2,587767E+22	2,587780E+22	2,543412E+22	2,410914E+22	2,175868E+22	1,901294E+22	1,710696E+22	1,710713E+22	1,901337E+22	2,175910E+22
-40	2,410909E+22	2,543339E+22	2,587684E+22	2,587655E+22	2,543287E+22	2,410849E+22	2,175871E+22	1,901328E+22	1,710732E+22	1,710739E+22	1,901339E+22	2,175872E+22
-39	2,410836E+22	2,543261E+22	2,587639E+22	2,587667E+22	2,543308E+22	2,410857E+22	2,175891E+22	1,901371E+22	1,710767E+22	1,710743E+22	1,901322E+22	2,175874E+22
-38	2,410909E+22	2,543410E+22	2,587787E+22	2,587777E+22	2,543382E+22	2,410879E+22	2,175876E+22	1,901354E+22	1,710782E+22	1,710792E+22	1,901377E+22	2,175900E+22
-37	2,410878E+22	2,543339E+22	2,587694E+22	2,587644E+22	2,543265E+22	2,410831E+22	2,175883E+22	1,901389E+22	1,710824E+22	1,710820E+22	1,901374E+22	2,175857E+22
-36	2,410808E+22	2,543291E+22	2,587736E+22	2,587757E+22	2,543363E+22	2,410888E+22	2,175910E+22	1,901407E+22	1,710844E+22	1,710845E+22	1,901404E+22	2,175904E+22
-35	2,410892E+22	2,543370E+22	2,587768E+22	2,587778E+22	2,543377E+22	2,410885E+22	2,175907E+22	1,901417E+22	1,710875E+22	1,710890E+22	1,901445E+22	2,175910E+22
-34	2,410833E+22	2,543256E+22	2,587612E+22	2,587631E+22	2,543311E+22	2,410887E+22	2,175932E+22	1,901446E+22	1,710890E+22	1,710879E+22	1,901418E+22	2,175890E+22
-33	2,410836E+22	2,543309E+22	2,587730E+22	2,587751E+22	2,543385E+22	2,410923E+22	2,175945E+22	1,901442E+22	1,710880E+22	1,710875E+22	1,901431E+22	2,175946E+22
-32	2,410933E+22	2,543366E+22	2,587710E+22	2,587670E+22	2,543272E+22	2,410838E+22	2,175915E+22	1,901447E+22	1,710898E+22	1,710896E+22	1,901434E+22	2,175894E+22
-31	2,410828E+22	2,543264E+22	2,587639E+22	2,587652E+22	2,543278E+22	2,410831E+22	2,175907E+22	1,901449E+22	1,710889E+22	1,710866E+22	1,901397E+22	2,175876E+22
-30	2,410856E+22	2,543368E+22	2,587787E+22	2,587788E+22	2,543391E+22	2,410885E+22	2,175882E+22	1,901382E+22	1,710839E+22	1,710858E+22	1,901432E+22	2,175932E+22
-29	2,410881E+22	2,543322E+22	2,587694E+22	2,587659E+22	2,543273E+22	2,410834E+22	2,175872E+22	1,901367E+22	1,710807E+22	1,710818E+22	1,901388E+22	2,175881E+22
-28	2,410823E+22	2,543259E+22	2,587672E+22	2,587713E+22	2,543347E+22	2,410883E+22	2,175898E+22	1,901366E+22	1,710776E+22	1,710771E+22	1,901351E+22	2,175885E+22
-27	2,410909E+22	2,543393E+22	2,587760E+22	2,587759E+22	2,543376E+22	2,410888E+22	2,175883E+22	1,901351E+22	1,710767E+22	1,710770E+22	1,901356E+22	2,175881E+22
-26	2,410857E+22	2,543307E+22	2,587647E+22	2,587617E+22	2,543278E+22	2,410857E+22	2,175886E+22	1,901361E+22	1,710763E+22	1,710741E+22	1,901306E+22	2,175822E+22
-25	2,410805E+22	2,543296E+22	2,587737E+22	2,587759E+22	2,543373E+22	2,410899E+22	2,175900E+22	1,901357E+22	1,710758E+22	1,710743E+22	1,901322E+22	2,175872E+22
-24	2,410898E+22	2,543364E+22	2,587738E+22	2,587726E+22	2,543320E+22	2,410841E+22	2,175862E+22	1,901345E+22	1,710772E+22	1,710785E+22	1,901365E+22	2,175861E+22
-23	2,410810E+22	2,543245E+22	2,587611E+22	2,587637E+22	2,543295E+22	2,410846E+22	2,175877E+22	1,901367E+22	1,710780E+22	1,710771E+22	1,901344E+22	2,175854E+22
-22	2,410832E+22	2,543325E+22	2,587740E+22	2,587756E+22	2,543393E+22	2,410911E+22	2,175892E+22	1,901351E+22	1,710775E+22	1,710789E+22	1,901388E+22	2,175930E+22
-21	2,410912E+22	2,543349E+22	2,587698E+22	2,587645E+22	2,543258E+22	2,410827E+22	2,175875E+22	1,901370E+22	1,710803E+22	1,710809E+22	1,901379E+22	2,175882E+22
-20	2,410839E+22	2,543270E+22	2,587657E+22	2,587675E+22	2,543299E+22	2,410849E+22	2,175901E+22	1,901411E+22	1,710842E+22	1,710830E+22	1,901375E+22	2,175871E+22
-19	2,410882E+22	2,543393E+22	2,587788E+22	2,587782E+22	2,543373E+22	2,410871E+22	2,175893E+22	1,901414E+22	1,710877E+22	1,710889E+22	1,901443E+22	2,175916E+22
-18	2,410855E+22	2,543306E+22	2,587677E+22	2,587652E+22	2,543283E+22	2,410844E+22	2,175897E+22	1,901434E+22	1,710903E+22	1,710904E+22	1,901433E+22	2,175878E+22
-17	2,410791E+22	2,543245E+22	2,587694E+22	2,587745E+22	2,543375E+22	2,410915E+22	2,175950E+22	1,901465E+22	1,710920E+22	1,710917E+22	1,901451E+22	2,175931E+22
-16	2,410907E+22	2,543357E+22	2,587728E+22	2,587725E+22	2,543332E+22	2,410871E+22	2,175928E+22	1,901469E+22	1,710947E+22	1,710962E+22	1,901497E+22	2,175937E+22
-15	2,410846E+22	2,543262E+22	2,587607E+22	2,587601E+22	2,543253E+22	2,410845E+22	2,175945E+22	1,901510E+22	1,710969E+22	1,710944E+22	1,901449E+22	2,175889E+22
-14	2,410826E+22	2,543305E+22	2,587728E+22	2,587740E+22	2,543354E+22	2,410897E+22	2,175951E+22	1,901492E+22	1,710963E+22	1,710956E+22	1,901477E+22	2,175944E+22
-13	2,410905E+22	2,543360E+22	2,587732E+22	2,587686E+22	2,543259E+22	2,410807E+22	2,175894E+22	1,901463E+22	1,710953E+22	1,710962E+22	1,901482E+22	2,175908E+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	2,410817E+22	2,543247E+22	2,587637E+22	2,587669E+22	2,543297E+22	2,410841E+22	2,175906E+22	1,901456E+22	1,710928E+22	1,710926E+22	1,901448E+22	2,175892E+22
-11	2,410843E+22	2,543342E+22	2,587761E+22	2,587772E+22	2,543384E+22	2,410897E+22	2,175911E+22	1,901425E+22	1,710892E+22	1,710910E+22	1,901472E+22	2,175955E+22
-10	2,410884E+22	2,543309E+22	2,587672E+22	2,587650E+22	2,543276E+22	2,410847E+22	2,175900E+22	1,901416E+22	1,710862E+22	1,710860E+22	1,901405E+22	2,175880E+22
-9	2,410819E+22	2,543251E+22	2,587655E+22	2,587701E+22	2,543340E+22	2,410895E+22	2,175934E+22	1,901429E+22	1,710850E+22	1,710826E+22	1,901367E+22	2,175875E+22
-8	2,410899E+22	2,543390E+22	2,587752E+22	2,587731E+22	2,543332E+22	2,410859E+22	2,175894E+22	1,901401E+22	1,710847E+22	1,710852E+22	1,901407E+22	2,175884E+22
-7	2,410834E+22	2,543291E+22	2,587651E+22	2,587624E+22	2,543251E+22	2,410820E+22	2,175888E+22	1,901414E+22	1,710845E+22	1,710825E+22	1,901363E+22	2,175834E+22
-6	2,410779E+22	2,543256E+22	2,587702E+22	2,587747E+22	2,543370E+22	2,410896E+22	2,175906E+22	1,901396E+22	1,710834E+22	1,710833E+22	1,901394E+22	2,175903E+22
-5	2,410886E+22	2,543341E+22	2,587721E+22	2,587708E+22	2,543299E+22	2,410828E+22	2,175864E+22	1,901370E+22	1,710823E+22	1,710848E+22	1,901423E+22	2,175904E+22
-4	2,410835E+22	2,543249E+22	2,587599E+22	2,587622E+22	2,543279E+22	2,410841E+22	2,175889E+22	1,901396E+22	1,710834E+22	1,710834E+22	1,901388E+22	2,175870E+22
-3	2,410841E+22	2,543335E+22	2,587735E+22	2,587730E+22	2,543353E+22	2,410892E+22	2,175913E+22	1,901412E+22	1,710858E+22	1,710863E+22	1,901428E+22	2,175937E+22
-2	2,410905E+22	2,543353E+22	2,587713E+22	2,587665E+22	2,543258E+22	2,410817E+22	2,175884E+22	1,901421E+22	1,710885E+22	1,710886E+22	1,901417E+22	2,175873E+22
-1	2,410810E+22	2,543250E+22	2,587657E+22	2,587699E+22	2,543320E+22	2,410861E+22	2,175923E+22	1,901466E+22	1,710927E+22	1,710911E+22	1,901420E+22	2,175875E+22
1	2,410858E+22	2,543358E+22	2,587758E+22	2,587762E+22	2,543363E+22	2,410875E+22	2,175914E+22	1,901463E+22	1,710956E+22	1,710978E+22	1,901512E+22	2,175945E+22
2	2,410845E+22	2,543278E+22	2,587652E+22	2,587637E+22	2,543261E+22	2,410838E+22	2,175934E+22	1,901504E+22	1,710983E+22	1,710977E+22	1,901483E+22	2,175899E+22
3	2,410789E+22	2,543219E+22	2,587647E+22	2,587707E+22	2,543350E+22	2,410912E+22	2,175982E+22	1,901535E+22	1,711011E+22	1,710999E+22	1,901502E+22	2,175945E+22
4	2,410898E+22	2,543359E+22	2,587728E+22	2,587697E+22	2,543287E+22	2,410839E+22	2,175932E+22	1,901515E+22	1,711020E+22	1,711034E+22	1,901543E+22	2,175953E+22
5	2,410848E+22	2,543272E+22	2,587622E+22	2,587602E+22	2,543228E+22	2,410816E+22	2,175938E+22	1,901537E+22	1,711036E+22	1,711026E+22	1,901503E+22	2,175893E+22
6	2,410803E+22	2,543292E+22	2,587728E+22	2,587739E+22	2,543336E+22	2,410872E+22	2,175948E+22	1,901530E+22	1,711036E+22	1,711036E+22	1,901537E+22	2,175967E+22
7	2,410893E+22	2,543338E+22	2,587718E+22	2,587700E+22	2,543283E+22	2,410815E+22	2,175894E+22	1,901483E+22	1,711001E+22	1,711019E+22	1,901523E+22	2,175927E+22
8	2,410813E+22	2,543226E+22	2,587611E+22	2,587664E+22	2,543312E+22	2,410867E+22	2,175939E+22	1,901497E+22	1,710975E+22	1,710965E+22	1,901470E+22	2,175907E+22
9	2,410854E+22	2,543338E+22	2,587735E+22	2,587734E+22	2,543350E+22	2,410889E+22	2,175936E+22	1,901474E+22	1,710950E+22	1,710959E+22	1,901500E+22	2,175962E+22
10	2,410884E+22	2,543315E+22	2,587678E+22	2,587640E+22	2,543237E+22	2,410818E+22	2,175923E+22	1,901480E+22	1,710936E+22	1,710916E+22	1,901423E+22	2,175864E+22
11	2,410790E+22	2,543232E+22	2,587645E+22	2,587697E+22	2,543326E+22	2,410880E+22	2,175948E+22	1,901485E+22	1,710937E+22	1,710911E+22	1,901415E+22	2,175868E+22
12	2,410853E+22	2,543365E+22	2,587755E+22	2,587738E+22	2,543323E+22	2,410838E+22	2,175883E+22	1,901426E+22	1,710909E+22	1,710929E+22	1,901470E+22	2,175910E+22
13	2,410820E+22	2,543265E+22	2,587631E+22	2,587621E+22	2,543256E+22	2,410824E+22	2,175891E+22	1,901430E+22	1,710898E+22	1,710903E+22	1,901429E+22	2,175866E+22
14	2,410776E+22	2,543234E+22	2,587671E+22	2,587716E+22	2,543346E+22	2,410892E+22	2,175932E+22	1,901447E+22	1,710902E+22	1,710902E+22	1,901452E+22	2,175944E+22
15	2,410906E+22	2,543341E+22	2,587699E+22	2,587692E+22	2,543291E+22	2,410823E+22	2,175879E+22	1,901416E+22	1,710889E+22	1,710905E+22	1,901453E+22	2,175916E+22
16	2,410844E+22	2,543259E+22	2,587596E+22	2,587614E+22	2,543269E+22	2,410843E+22	2,175918E+22	1,901457E+22	1,710912E+22	1,710895E+22	1,901414E+22	2,175871E+22
17	2,410835E+22	2,543338E+22	2,587743E+22	2,587722E+22	2,543320E+22	2,410862E+22	2,175921E+22	1,901466E+22	1,710943E+22	1,710948E+22	1,901482E+22	2,175944E+22
18	2,410881E+22	2,543335E+22	2,587720E+22	2,587683E+22	2,543247E+22	2,410795E+22	2,175897E+22	1,901480E+22	1,710971E+22	1,710972E+22	1,901472E+22	2,175882E+22
19	2,410778E+22	2,543206E+22	2,587619E+22	2,587688E+22	2,543328E+22	2,410878E+22	2,175952E+22	1,901521E+22	1,711015E+22	1,711005E+22	1,901490E+22	2,175897E+22
20	2,410833E+22	2,543330E+22	2,587734E+22	2,587734E+22	2,543340E+22	2,410869E+22	2,175932E+22	1,901507E+22	1,711023E+22	1,711049E+22	1,901567E+22	2,175978E+22
21	2,410859E+22	2,543276E+22	2,587632E+22	2,587610E+22	2,543234E+22	2,410826E+22	2,175948E+22	1,901550E+22	1,711058E+22	1,711054E+22	1,901528E+22	2,175910E+22
22	2,410788E+22	2,543222E+22	2,587639E+22	2,587674E+22	2,543301E+22	2,410879E+22	2,175996E+22	1,901599E+22	1,711103E+22	1,711082E+22	1,901550E+22	2,175957E+22
23	2,410889E+22	2,543354E+22	2,587732E+22	2,587710E+22	2,543283E+22	2,410814E+22	2,175925E+22	1,901554E+22	1,711095E+22	1,711109E+22	1,901585E+22	2,175956E+22
24	2,410829E+22	2,543256E+22	2,587624E+22	2,587623E+22	2,543249E+22	2,410823E+22	2,175948E+22	1,901572E+22	1,711098E+22	1,711088E+22	1,901547E+22	2,175912E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410793E+22	2,543269E+22	2,587711E+22	2,587726E+22	2,543326E+22	2,410870E+22	2,175960E+22	1,901561E+22	1,711089E+22	1,711099E+22	1,901590E+22	2,175997E+22
26	2,410893E+22	2,543322E+22	2,587707E+22	2,587696E+22	2,543271E+22	2,410814E+22	2,175928E+22	1,901537E+22	1,711057E+22	1,711065E+22	1,901550E+22	2,175935E+22
27	2,410809E+22	2,543212E+22	2,587581E+22	2,587639E+22	2,543304E+22	2,410876E+22	2,175973E+22	1,901558E+22	1,711050E+22	1,711028E+22	1,901501E+22	2,175900E+22
28	2,410829E+22	2,543335E+22	2,587737E+22	2,587713E+22	2,543319E+22	2,410868E+22	2,175945E+22	1,901517E+22	1,711017E+22	1,711022E+22	1,901534E+22	2,175964E+22
29	2,410870E+22	2,543311E+22	2,587685E+22	2,587644E+22	2,543224E+22	2,410796E+22	2,175919E+22	1,901512E+22	1,711007E+22	1,710998E+22	1,901476E+22	2,175869E+22
30	2,410761E+22	2,543201E+22	2,587623E+22	2,587678E+22	2,543306E+22	2,410858E+22	2,175949E+22	1,901527E+22	1,711012E+22	1,710996E+22	1,901485E+22	2,175905E+22
31	2,410844E+22	2,543328E+22	2,587719E+22	2,587730E+22	2,543334E+22	2,410839E+22	2,175886E+22	1,901450E+22	1,710960E+22	1,710990E+22	1,901522E+22	2,175947E+22
32	2,410834E+22	2,543255E+22	2,587606E+22	2,587600E+22	2,543249E+22	2,410832E+22	2,175915E+22	1,901470E+22	1,710946E+22	1,710944E+22	1,901461E+22	2,175895E+22
33	2,410797E+22	2,543244E+22	2,587657E+22	2,587674E+22	2,543296E+22	2,410861E+22	2,175942E+22	1,901494E+22	1,710967E+22	1,710960E+22	1,901484E+22	2,175956E+22
34	2,410914E+22	2,543360E+22	2,587721E+22	2,587692E+22	2,543257E+22	2,410793E+22	2,175895E+22	1,901476E+22	1,710967E+22	1,710969E+22	1,901475E+22	2,175900E+22
35	2,410818E+22	2,543249E+22	2,587602E+22	2,587626E+22	2,543270E+22	2,410834E+22	2,175931E+22	1,901516E+22	1,711006E+22	1,710986E+22	1,901463E+22	2,175858E+22
36	2,410784E+22	2,543311E+22	2,587746E+22	2,587733E+22	2,543325E+22	2,410856E+22	2,175926E+22	1,901505E+22	1,711017E+22	1,711031E+22	1,901542E+22	2,175962E+22
37	2,410860E+22	2,543304E+22	2,587702E+22	2,587683E+22	2,543259E+22	2,410808E+22	2,175916E+22	1,901521E+22	1,711047E+22	1,711060E+22	1,901535E+22	2,175904E+22
38	2,410763E+22	2,543172E+22	2,587579E+22	2,587648E+22	2,543302E+22	2,410877E+22	2,175990E+22	1,901594E+22	1,711106E+22	1,711091E+22	1,901553E+22	2,175933E+22
39	2,410839E+22	2,543310E+22	2,587701E+22	2,587711E+22	2,543329E+22	2,410862E+22	2,175952E+22	1,901566E+22	1,711107E+22	1,711124E+22	1,901609E+22	2,175993E+22
40	2,410863E+22	2,543281E+22	2,587629E+22	2,587593E+22	2,543213E+22	2,410816E+22	2,175969E+22	1,901610E+22	1,711143E+22	1,711129E+22	1,901572E+22	2,175925E+22
41	2,410783E+22	2,543220E+22	2,587644E+22	2,587661E+22	2,543262E+22	2,410835E+22	2,175988E+22	1,901644E+22	1,711187E+22	1,711173E+22	1,901615E+22	2,175981E+22
42	2,410880E+22	2,543341E+22	2,587739E+22	2,587724E+22	2,543276E+22	2,410795E+22	2,175928E+22	1,901593E+22	1,711164E+22	1,711182E+22	1,901637E+22	2,175975E+22
43	2,410814E+22	2,543226E+22	2,587598E+22	2,587617E+22	2,543263E+22	2,410841E+22	2,175969E+22	1,901611E+22	1,711160E+22	1,711157E+22	1,901598E+22	2,175930E+22
44	2,410783E+22	2,543258E+22	2,587699E+22	2,587705E+22	2,543310E+22	2,410869E+22	2,175977E+22	1,901595E+22	1,711133E+22	1,711141E+22	1,901620E+22	2,176015E+22
45	2,410905E+22	2,543327E+22	2,587700E+22	2,587679E+22	2,543256E+22	2,410809E+22	2,175941E+22	1,901578E+22	1,711119E+22	1,711121E+22	1,901570E+22	2,175926E+22
46	2,410792E+22	2,543208E+22	2,587579E+22	2,587614E+22	2,543271E+22	2,410857E+22	2,175991E+22	1,901618E+22	1,711133E+22	1,711102E+22	1,901539E+22	2,175901E+22
47	2,410805E+22	2,543306E+22	2,587729E+22	2,587723E+22	2,543324E+22	2,410851E+22	2,175940E+22	1,901552E+22	1,711084E+22	1,711090E+22	1,901572E+22	2,175964E+22
48	2,410844E+22	2,543281E+22	2,587668E+22	2,587644E+22	2,543236E+22	2,410805E+22	2,175931E+22	1,901548E+22	1,711066E+22	1,711058E+22	1,901525E+22	2,175899E+22
49	2,410755E+22	2,543174E+22	2,587595E+22	2,587648E+22	2,543279E+22	2,410842E+22	2,175955E+22	1,901560E+22	1,711069E+22	1,711060E+22	1,901542E+22	2,175946E+22
50	2,410861E+22	2,543319E+22	2,587705E+22	2,587707E+22	2,543302E+22	2,410824E+22	2,175910E+22	1,901501E+22	1,711019E+22	1,711041E+22	1,901551E+22	2,175961E+22
51	2,410843E+22	2,543256E+22	2,587594E+22	2,587577E+22	2,543233E+22	2,410830E+22	2,175939E+22	1,901526E+22	1,711024E+22	1,711012E+22	1,901493E+22	2,175889E+22
52	2,410782E+22	2,543258E+22	2,587681E+22	2,587667E+22	2,543266E+22	2,410834E+22	2,175942E+22	1,901534E+22	1,711036E+22	1,711028E+22	1,901520E+22	2,175955E+22
53	2,410897E+22	2,543357E+22	2,587741E+22	2,587714E+22	2,543261E+22	2,410777E+22	2,175889E+22	1,901514E+22	1,711050E+22	1,711059E+22	1,901526E+22	2,175898E+22
54	2,410780E+22	2,543212E+22	2,587586E+22	2,587621E+22	2,543273E+22	2,410834E+22	2,175947E+22	1,901571E+22	1,711097E+22	1,711084E+22	1,901536E+22	2,175890E+22
55	2,410764E+22	2,543254E+22	2,587701E+22	2,587726E+22	2,543343E+22	2,410872E+22	2,175948E+22	1,901552E+22	1,711090E+22	1,711107E+22	1,901596E+22	2,175991E+22
56	2,410862E+22	2,543283E+22	2,587668E+22	2,587653E+22	2,543250E+22	2,410823E+22	2,175958E+22	1,901587E+22	1,711123E+22	1,711124E+22	1,901582E+22	2,175938E+22
57	2,410777E+22	2,543171E+22	2,587560E+22	2,587597E+22	2,543243E+22	2,410841E+22	2,176004E+22	1,901658E+22	1,711196E+22	1,711174E+22	1,901605E+22	2,175956E+22
58	2,410848E+22	2,543318E+22	2,587713E+22	2,587698E+22	2,543283E+22	2,410827E+22	2,175965E+22	1,901627E+22	1,711196E+22	1,711206E+22	1,901651E+22	2,175994E+22
59	2,410848E+22	2,543271E+22	2,587635E+22	2,587601E+22	2,543211E+22	2,410803E+22	2,175972E+22	1,901656E+22	1,711230E+22	1,711222E+22	1,901630E+22	2,175927E+22
60	2,410754E+22	2,543206E+22	2,587649E+22	2,587667E+22	2,543263E+22	2,410826E+22	2,175981E+22	1,901665E+22	1,711243E+22	1,711243E+22	1,901671E+22	2,176008E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
61	2,410879E+22	2,543327E+22	2,587732E+22	2,587729E+22	2,543291E+22	2,410807E+22	2,175939E+22	1,901623E+22	1,711222E+22	1,711247E+22	1,901679E+22	2,175991E+22
62	2,410810E+22	2,543207E+22	2,587574E+22	2,587588E+22	2,543246E+22	2,410846E+22	2,176003E+22	1,901672E+22	1,711232E+22	1,711218E+22	1,901635E+22	2,175947E+22
63	2,410781E+22	2,543234E+22	2,587675E+22	2,587693E+22	2,543308E+22	2,410870E+22	2,175999E+22	1,901647E+22	1,711201E+22	1,711195E+22	1,901637E+22	2,176006E+22
64	2,410893E+22	2,543325E+22	2,587704E+22	2,587670E+22	2,543240E+22	2,410805E+22	2,175965E+22	1,901632E+22	1,711189E+22	1,711180E+22	1,901603E+22	2,175927E+22
65	2,410768E+22	2,543186E+22	2,587572E+22	2,587593E+22	2,543229E+22	2,410815E+22	2,175983E+22	1,901658E+22	1,711209E+22	1,711185E+22	1,901600E+22	2,175923E+22
66	2,410791E+22	2,543276E+22	2,587712E+22	2,587713E+22	2,543309E+22	2,410839E+22	2,175945E+22	1,901584E+22	1,711145E+22	1,711160E+22	1,901624E+22	2,175988E+22
67	2,410840E+22	2,543251E+22	2,587635E+22	2,587619E+22	2,543231E+22	2,410811E+22	2,175945E+22	1,901581E+22	1,711125E+22	1,711126E+22	1,901575E+22	2,175919E+22
68	2,410762E+22	2,543176E+22	2,587587E+22	2,587619E+22	2,543246E+22	2,410820E+22	2,175955E+22	1,901587E+22	1,711114E+22	1,711105E+22	1,901572E+22	2,175967E+22
69	2,410882E+22	2,543340E+22	2,587718E+22	2,587701E+22	2,543282E+22	2,410802E+22	2,175907E+22	1,901538E+22	1,711087E+22	1,711101E+22	1,901572E+22	2,175950E+22
70	2,410827E+22	2,543255E+22	2,587610E+22	2,587575E+22	2,543213E+22	2,410812E+22	2,175951E+22	1,901582E+22	1,711108E+22	1,711092E+22	1,901535E+22	2,175887E+22
71	2,410751E+22	2,543221E+22	2,587678E+22	2,587696E+22	2,543293E+22	2,410837E+22	2,175948E+22	1,901574E+22	1,711110E+22	1,711104E+22	1,901562E+22	2,175951E+22
72	2,410865E+22	2,543322E+22	2,587726E+22	2,587720E+22	2,543287E+22	2,410809E+22	2,175922E+22	1,901565E+22	1,711120E+22	1,711132E+22	1,901585E+22	2,175927E+22
73	2,410764E+22	2,543171E+22	2,587552E+22	2,587585E+22	2,543246E+22	2,410832E+22	2,175976E+22	1,901632E+22	1,711182E+22	1,711172E+22	1,901605E+22	2,175933E+22
74	2,410777E+22	2,543232E+22	2,587668E+22	2,587687E+22	2,543309E+22	2,410868E+22	2,175987E+22	1,901623E+22	1,711179E+22	1,711186E+22	1,901642E+22	2,176010E+22
75	2,410870E+22	2,543276E+22	2,587645E+22	2,587617E+22	2,543220E+22	2,410814E+22	2,175984E+22	1,901658E+22	1,711225E+22	1,711219E+22	1,901635E+22	2,175943E+22
76	2,410772E+22	2,543186E+22	2,587578E+22	2,587583E+22	2,543197E+22	2,410797E+22	2,175995E+22	1,901700E+22	1,711276E+22	1,711259E+22	1,901662E+22	2,175975E+22
77	2,410846E+22	2,543320E+22	2,587732E+22	2,587714E+22	2,543275E+22	2,410796E+22	2,175945E+22	1,901659E+22	1,711278E+22	1,711298E+22	1,901709E+22	2,176005E+22
78	2,410826E+22	2,543246E+22	2,587628E+22	2,587603E+22	2,543214E+22	2,410804E+22	2,175981E+22	1,901695E+22	1,711303E+22	1,711306E+22	1,901696E+22	2,175961E+22
79	2,410750E+22	2,543170E+22	2,587622E+22	2,587670E+22	2,543281E+22	2,410841E+22	2,175998E+22	1,901696E+22	1,711292E+22	1,711293E+22	1,901701E+22	2,176019E+22
80	2,410883E+22	2,543319E+22	2,587714E+22	2,587708E+22	2,543287E+22	2,410828E+22	2,175980E+22	1,901678E+22	1,711277E+22	1,711286E+22	1,901701E+22	2,175999E+22
81	2,410806E+22	2,543202E+22	2,587566E+22	2,587556E+22	2,543201E+22	2,410821E+22	2,176020E+22	1,901731E+22	1,711312E+22	1,711286E+22	1,901667E+22	2,175949E+22
82	2,410770E+22	2,543221E+22	2,587674E+22	2,587682E+22	2,543274E+22	2,410848E+22	2,176016E+22	1,901701E+22	1,711280E+22	1,711266E+22	1,901668E+22	2,175991E+22
83	2,410858E+22	2,543291E+22	2,587690E+22	2,587670E+22	2,543240E+22	2,410800E+22	2,175972E+22	1,901675E+22	1,711267E+22	1,711267E+22	1,901660E+22	2,175929E+22
84	2,410741E+22	2,543164E+22	2,587561E+22	2,587581E+22	2,543212E+22	2,410799E+22	2,175973E+22	1,901673E+22	1,711255E+22	1,711248E+22	1,901657E+22	2,175958E+22
85	2,410800E+22	2,543263E+22	2,587696E+22	2,587701E+22	2,543298E+22	2,410831E+22	2,175944E+22	1,901609E+22	1,711199E+22	1,711220E+22	1,901665E+22	2,176008E+22
86	2,410847E+22	2,543244E+22	2,587617E+22	2,587593E+22	2,543209E+22	2,410806E+22	2,175964E+22	1,901628E+22	1,711188E+22	1,711186E+22	1,901615E+22	2,175940E+22
87	2,410771E+22	2,543168E+22	2,587579E+22	2,587619E+22	2,543243E+22	2,410816E+22	2,175965E+22	1,901624E+22	1,711173E+22	1,711157E+22	1,901591E+22	2,175956E+22
88	2,410873E+22	2,543345E+22	2,587734E+22	2,587710E+22	2,543281E+22	2,410807E+22	2,175930E+22	1,901589E+22	1,711154E+22	1,711161E+22	1,901610E+22	2,175953E+22
89	2,410799E+22	2,543230E+22	2,587608E+22	2,587575E+22	2,543195E+22	2,410790E+22	2,175955E+22	1,901631E+22	1,711193E+22	1,711182E+22	1,901601E+22	2,175910E+22
90	2,410735E+22	2,543179E+22	2,587649E+22	2,587685E+22	2,543289E+22	2,410850E+22	2,175978E+22	1,901625E+22	1,711187E+22	1,711187E+22	1,901620E+22	2,175971E+22
91	2,410853E+22	2,543284E+22	2,587685E+22	2,587689E+22	2,543278E+22	2,410827E+22	2,175961E+22	1,901626E+22	1,711204E+22	1,711218E+22	1,901645E+22	2,175948E+22
92	2,410770E+22	2,543172E+22	2,587532E+22	2,587541E+22	2,543194E+22	2,410805E+22	2,175988E+22	1,901682E+22	1,711256E+22	1,711244E+22	1,901654E+22	2,175960E+22
93	2,410800E+22	2,543252E+22	2,587675E+22	2,587669E+22	2,543270E+22	2,410833E+22	2,175982E+22	1,901676E+22	1,711273E+22	1,711273E+22	1,901684E+22	2,176009E+22
94	2,410860E+22	2,543278E+22	2,587657E+22	2,587613E+22	2,543190E+22	2,410781E+22	2,175983E+22	1,901711E+22	1,711318E+22	1,711316E+22	1,901695E+22	2,175955E+22
95	2,410752E+22	2,543156E+22	2,587577E+22	2,587614E+22	2,543217E+22	2,410789E+22	2,175987E+22	1,901728E+22	1,711343E+22	1,711335E+22	1,901711E+22	2,175984E+22
96	2,410829E+22	2,543300E+22	2,587730E+22	2,587728E+22	2,543298E+22	2,410822E+22	2,175972E+22	1,901698E+22	1,711332E+22	1,711357E+22	1,901762E+22	2,176033E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410814E+22	2,543215E+22	2,587606E+22	2,587584E+22	2,543193E+22	2,410802E+22	2,176009E+22	1,901750E+22	1,711374E+22	1,711374E+22	1,901745E+22	2,175987E+22
98	2,410757E+22	2,543152E+22	2,587596E+22	2,587643E+22	2,543262E+22	2,410854E+22	2,176043E+22	1,901761E+22	1,711368E+22	1,711355E+22	1,901727E+22	2,176011E+22
99	2,410869E+22	2,543309E+22	2,587698E+22	2,587683E+22	2,543267E+22	2,410831E+22	2,176013E+22	1,901744E+22	1,711367E+22	1,711368E+22	1,901738E+22	2,175984E+22
100	2,410783E+22	2,543200E+22	2,587571E+22	2,587542E+22	2,543158E+22	2,410781E+22	2,176014E+22	1,901770E+22	1,711385E+22	1,711364E+22	1,901720E+22	2,175962E+22
101	2,410758E+22	2,543204E+22	2,587667E+22	2,587687E+22	2,543264E+22	2,410818E+22	2,175994E+22	1,901729E+22	1,711355E+22	1,711350E+22	1,901727E+22	2,176008E+22
102	2,410838E+22	2,543255E+22	2,587659E+22	2,587654E+22	2,543231E+22	2,410795E+22	2,175976E+22	1,901703E+22	1,711326E+22	1,711341E+22	1,901727E+22	2,175973E+22
103	2,410750E+22	2,543134E+22	2,587529E+22	2,587575E+22	2,543213E+22	2,410801E+22	2,175981E+22	1,901692E+22	1,711289E+22	1,711286E+22	1,901688E+22	2,175980E+22
104	2,410821E+22	2,543278E+22	2,587692E+22	2,587684E+22	2,543281E+22	2,410836E+22	2,175970E+22	1,901650E+22	1,711240E+22	1,711251E+22	1,901688E+22	2,176019E+22
105	2,410849E+22	2,543254E+22	2,587627E+22	2,587579E+22	2,543168E+22	2,410778E+22	2,175973E+22	1,901676E+22	1,711259E+22	1,711247E+22	1,901644E+22	2,175940E+22
106	2,410763E+22	2,543166E+22	2,587589E+22	2,587625E+22	2,543231E+22	2,410811E+22	2,175985E+22	1,901673E+22	1,711247E+22	1,711227E+22	1,901620E+22	2,175935E+22
107	2,410831E+22	2,543313E+22	2,587723E+22	2,587720E+22	2,543297E+22	2,410824E+22	2,175955E+22	1,901642E+22	1,711238E+22	1,711249E+22	1,901663E+22	2,175950E+22
108	2,410770E+22	2,543204E+22	2,587590E+22	2,587565E+22	2,543182E+22	2,410788E+22	2,175969E+22	1,901671E+22	1,711261E+22	1,711259E+22	1,901664E+22	2,175946E+22
109	2,410741E+22	2,543157E+22	2,587617E+22	2,587661E+22	2,543269E+22	2,410840E+22	2,175993E+22	1,901681E+22	1,711273E+22	1,711267E+22	1,901672E+22	2,175990E+22
110	2,410851E+22	2,543267E+22	2,587654E+22	2,587653E+22	2,543244E+22	2,410815E+22	2,175988E+22	1,901694E+22	1,711297E+22	1,711307E+22	1,901706E+22	2,175975E+22
111	2,410776E+22	2,543164E+22	2,587527E+22	2,587536E+22	2,543170E+22	2,410780E+22	2,175990E+22	1,901726E+22	1,711332E+22	1,711319E+22	1,901694E+22	2,175962E+22
112	2,410793E+22	2,543261E+22	2,587692E+22	2,587674E+22	2,543251E+22	2,410814E+22	2,175990E+22	1,901722E+22	1,711346E+22	1,711351E+22	1,901743E+22	2,176025E+22
113	2,410837E+22	2,543256E+22	2,587658E+22	2,587621E+22	2,543178E+22	2,410757E+22	2,175977E+22	1,901750E+22	1,711400E+22	1,711408E+22	1,901767E+22	2,175988E+22
114	2,410748E+22	2,543129E+22	2,587554E+22	2,587607E+22	2,543223E+22	2,410810E+22	2,176014E+22	1,901768E+22	1,711409E+22	1,711406E+22	1,901759E+22	2,175999E+22
115	2,410818E+22	2,543274E+22	2,587698E+22	2,587708E+22	2,543297E+22	2,410848E+22	2,176018E+22	1,901760E+22	1,711407E+22	1,711426E+22	1,901800E+22	2,176039E+22
116	2,410815E+22	2,543219E+22	2,587594E+22	2,587556E+22	2,543154E+22	2,410783E+22	2,176027E+22	1,901803E+22	1,711443E+22	1,711434E+22	1,901779E+22	2,175997E+22
117	2,410760E+22	2,543158E+22	2,587594E+22	2,587630E+22	2,543231E+22	2,410824E+22	2,176045E+22	1,901817E+22	1,711459E+22	1,711433E+22	1,901760E+22	2,175997E+22
118	2,410834E+22	2,543288E+22	2,587691E+22	2,587679E+22	2,543247E+22	2,410810E+22	2,176019E+22	1,901794E+22	1,711451E+22	1,711457E+22	1,901799E+22	2,175997E+22
119	2,410755E+22	2,543158E+22	2,587553E+22	2,587557E+22	2,543167E+22	2,410772E+22	2,176006E+22	1,901789E+22	1,711437E+22	1,711429E+22	1,901770E+22	2,175980E+22
120	2,410750E+22	2,543189E+22	2,587651E+22	2,587678E+22	2,543264E+22	2,410831E+22	2,176014E+22	1,901758E+22	1,711393E+22	1,711399E+22	1,901780E+22	2,176046E+22
121	2,410843E+22	2,543240E+22	2,587635E+22	2,587628E+22	2,543200E+22	2,410779E+22	2,175990E+22	1,901745E+22	1,711383E+22	1,711395E+22	1,901770E+22	2,176007E+22
122	2,410773E+22	2,543140E+22	2,587513E+22	2,587549E+22	2,543193E+22	2,410806E+22	2,176010E+22	1,901739E+22	1,711347E+22	1,711333E+22	1,901704E+22	2,175972E+22
123	2,410814E+22	2,543285E+22	2,587698E+22	2,587677E+22	2,543266E+22	2,410836E+22	2,175998E+22	1,901707E+22	1,711316E+22	1,711318E+22	1,901713E+22	2,175999E+22
124	2,410826E+22	2,543258E+22	2,587643E+22	2,587586E+22	2,543141E+22	2,410744E+22	2,175970E+22	1,901714E+22	1,711328E+22	1,711320E+22	1,901692E+22	2,175946E+22
125	2,410742E+22	2,543147E+22	2,587582E+22	2,587638E+22	2,543236E+22	2,410797E+22	2,175979E+22	1,901714E+22	1,711331E+22	1,711313E+22	1,901676E+22	2,175943E+22
126	2,410797E+22	2,543268E+22	2,587685E+22	2,587702E+22	2,543293E+22	2,410831E+22	2,175976E+22	1,901688E+22	1,711312E+22	1,711334E+22	1,901732E+22	2,175986E+22
127	2,410766E+22	2,543165E+22	2,587548E+22	2,587548E+22	2,543170E+22	2,410784E+22	2,175986E+22	1,901713E+22	1,711322E+22	1,711320E+22	1,901706E+22	2,175968E+22
128	2,410755E+22	2,543168E+22	2,587605E+22	2,587634E+22	2,543237E+22	2,410829E+22	2,176018E+22	1,901737E+22	1,711340E+22	1,711330E+22	1,901718E+22	2,176010E+22
129	2,410847E+22	2,543268E+22	2,587655E+22	2,587632E+22	2,543193E+22	2,410771E+22	2,175988E+22	1,901750E+22	1,711388E+22	1,711395E+22	1,901760E+22	2,175992E+22
130	2,410771E+22	2,543161E+22	2,587533E+22	2,587540E+22	2,543160E+22	2,410772E+22	2,176000E+22	1,901770E+22	1,711412E+22	1,711403E+22	1,901744E+22	2,175961E+22
131	2,410764E+22	2,543239E+22	2,587688E+22	2,587687E+22	2,543267E+22	2,410828E+22	2,176011E+22	1,901770E+22	1,711426E+22	1,711439E+22	1,901800E+22	2,176035E+22
132	2,410821E+22	2,543240E+22	2,587646E+22	2,587617E+22	2,543170E+22	2,410757E+22	2,175994E+22	1,901790E+22	1,711463E+22	1,711478E+22	1,901823E+22	2,176020E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
133	2,410757E+22	2,543119E+22	2,587532E+22	2,587594E+22	2,543216E+22	2,410808E+22	2,176037E+22	1,901832E+22	1,711495E+22	1,711478E+22	1,901797E+22	2,176004E+22
134	2,410804E+22	2,543256E+22	2,587672E+22	2,587679E+22	2,543275E+22	2,410849E+22	2,176054E+22	1,901833E+22	1,711499E+22	1,711507E+22	1,901847E+22	2,176049E+22
135	2,410803E+22	2,543200E+22	2,587587E+22	2,587554E+22	2,543134E+22	2,410765E+22	2,176041E+22	1,901854E+22	1,711520E+22	1,711507E+22	1,901817E+22	2,175996E+22
136	2,410743E+22	2,543153E+22	2,587597E+22	2,587629E+22	2,543213E+22	2,410805E+22	2,176055E+22	1,901862E+22	1,711526E+22	1,711509E+22	1,901824E+22	2,176018E+22
137	2,410806E+22	2,543252E+22	2,587671E+22	2,587669E+22	2,543229E+22	2,410785E+22	2,176012E+22	1,901827E+22	1,711521E+22	1,711540E+22	1,901871E+22	2,176042E+22
138	2,410762E+22	2,543139E+22	2,587523E+22	2,587531E+22	2,543161E+22	2,410785E+22	2,176023E+22	1,901815E+22	1,711483E+22	1,711484E+22	1,901813E+22	2,176003E+22
139	2,410757E+22	2,543183E+22	2,587630E+22	2,587652E+22	2,543248E+22	2,410836E+22	2,176043E+22	1,901804E+22	1,711449E+22	1,711448E+22	1,901805E+22	2,176053E+22
140	2,410858E+22	2,543264E+22	2,587641E+22	2,587611E+22	2,543163E+22	2,410749E+22	2,175992E+22	1,901782E+22	1,711437E+22	1,711439E+22	1,901790E+22	2,176011E+22
141	2,410780E+22	2,543160E+22	2,587532E+22	2,587555E+22	2,543172E+22	2,410771E+22	2,176004E+22	1,901786E+22	1,711425E+22	1,711395E+22	1,901724E+22	2,175947E+22
142	2,410768E+22	2,543258E+22	2,587698E+22	2,587690E+22	2,543269E+22	2,410829E+22	2,176010E+22	1,901754E+22	1,711393E+22	1,711398E+22	1,901764E+22	2,176002E+22
143	2,410785E+22	2,543209E+22	2,587628E+22	2,587609E+22	2,543163E+22	2,410750E+22	2,175976E+22	1,901742E+22	1,711382E+22	1,711383E+22	1,901739E+22	2,175960E+22
144	2,410723E+22	2,543119E+22	2,587553E+22	2,587619E+22	2,543234E+22	2,410813E+22	2,176012E+22	1,901759E+22	1,711384E+22	1,711376E+22	1,901738E+22	2,175978E+22
145	2,410787E+22	2,543234E+22	2,587643E+22	2,587663E+22	2,543260E+22	2,410818E+22	2,176000E+22	1,901748E+22	1,711393E+22	1,711411E+22	1,901790E+22	2,176026E+22
146	2,410787E+22	2,543166E+22	2,587522E+22	2,587505E+22	2,543141E+22	2,410781E+22	2,176011E+22	1,901769E+22	1,711402E+22	1,711393E+22	1,901745E+22	2,175973E+22
147	2,410750E+22	2,543175E+22	2,587610E+22	2,587618E+22	2,543206E+22	2,410809E+22	2,176037E+22	1,901800E+22	1,711433E+22	1,711418E+22	1,901764E+22	2,176012E+22
148	2,410837E+22	2,543274E+22	2,587669E+22	2,587639E+22	2,543167E+22	2,410728E+22	2,175974E+22	1,901786E+22	1,711465E+22	1,711481E+22	1,901824E+22	2,176018E+22
149	2,410765E+22	2,543150E+22	2,587531E+22	2,587553E+22	2,543166E+22	2,410756E+22	2,175994E+22	1,901812E+22	1,711495E+22	1,711488E+22	1,901801E+22	2,175978E+22
150	2,410742E+22	2,543204E+22	2,587659E+22	2,587676E+22	2,543270E+22	2,410845E+22	2,176044E+22	1,901822E+22	1,711500E+22	1,711517E+22	1,901860E+22	2,176066E+22
151	2,410819E+22	2,543214E+22	2,587623E+22	2,587609E+22	2,543165E+22	2,410760E+22	2,176022E+22	1,901842E+22	1,711527E+22	1,711534E+22	1,901852E+22	2,176028E+22
152	2,410760E+22	2,543131E+22	2,587530E+22	2,587571E+22	2,543192E+22	2,410805E+22	2,176071E+22	1,901896E+22	1,711570E+22	1,711546E+22	1,901839E+22	2,176007E+22
153	2,410779E+22	2,543238E+22	2,587668E+22	2,587663E+22	2,543238E+22	2,410814E+22	2,176061E+22	1,901895E+22	1,711596E+22	1,711598E+22	1,901901E+22	2,176060E+22
154	2,410787E+22	2,543180E+22	2,587573E+22	2,587546E+22	2,543131E+22	2,410762E+22	2,176049E+22	1,901898E+22	1,711599E+22	1,711590E+22	1,901870E+22	2,176002E+22
155	2,410716E+22	2,543126E+22	2,587583E+22	2,587623E+22	2,543215E+22	2,410809E+22	2,176071E+22	1,901905E+22	1,711597E+22	1,711586E+22	1,901878E+22	2,176042E+22
156	2,410807E+22	2,543239E+22	2,587652E+22	2,587646E+22	2,543202E+22	2,410767E+22	2,176015E+22	1,901855E+22	1,711570E+22	1,711596E+22	1,901920E+22	2,176081E+22
157	2,410786E+22	2,543144E+22	2,587514E+22	2,587518E+22	2,543145E+22	2,410767E+22	2,176030E+22	1,901860E+22	1,711548E+22	1,711534E+22	1,901837E+22	2,176007E+22
158	2,410753E+22	2,543184E+22	2,587626E+22	2,587635E+22	2,543230E+22	2,410828E+22	2,176060E+22	1,901851E+22	1,711515E+22	1,711507E+22	1,901834E+22	2,176052E+22
159	2,410840E+22	2,543251E+22	2,587652E+22	2,587626E+22	2,543156E+22	2,410731E+22	2,175994E+22	1,901815E+22	1,711493E+22	1,711492E+22	1,901812E+22	2,175998E+22
160	2,410754E+22	2,543152E+22	2,587542E+22	2,587569E+22	2,543180E+22	2,410767E+22	2,176013E+22	1,901822E+22	1,711483E+22	1,711464E+22	1,901780E+22	2,175959E+22
161	2,410726E+22	2,543203E+22	2,587665E+22	2,587679E+22	2,543266E+22	2,410823E+22	2,176017E+22	1,901794E+22	1,711465E+22	1,711478E+22	1,901828E+22	2,176039E+22
162	2,410783E+22	2,543174E+22	2,587580E+22	2,587569E+22	2,543160E+22	2,410774E+22	2,176009E+22	1,901786E+22	1,711442E+22	1,711446E+22	1,901785E+22	2,175984E+22
163	2,410728E+22	2,543108E+22	2,587525E+22	2,587576E+22	2,543203E+22	2,410811E+22	2,176047E+22	1,901822E+22	1,711460E+22	1,711441E+22	1,901772E+22	2,175994E+22
164	2,410804E+22	2,543250E+22	2,587639E+22	2,587627E+22	2,543204E+22	2,410773E+22	2,175999E+22	1,901796E+22	1,711469E+22	1,711481E+22	1,901830E+22	2,176043E+22
165	2,410798E+22	2,543185E+22	2,587543E+22	2,587508E+22	2,543114E+22	2,410735E+22	2,175999E+22	1,901820E+22	1,711493E+22	1,711476E+22	1,901785E+22	2,175966E+22
166	2,410719E+22	2,543157E+22	2,587616E+22	2,587632E+22	2,543210E+22	2,410797E+22	2,176038E+22	1,901844E+22	1,711516E+22	1,711509E+22	1,901828E+22	2,176028E+22
167	2,410809E+22	2,543238E+22	2,587666E+22	2,587663E+22	2,543189E+22	2,410736E+22	2,175984E+22	1,901819E+22	1,711526E+22	1,711548E+22	1,901872E+22	2,176038E+22
168	2,410759E+22	2,543136E+22	2,587522E+22	2,587548E+22	2,543173E+22	2,410776E+22	2,176034E+22	1,901866E+22	1,711558E+22	1,711556E+22	1,901859E+22	2,176003E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410727E+22	2,543169E+22	2,587627E+22	2,587649E+22	2,543251E+22	2,410842E+22	2,176079E+22	1,901898E+22	1,711595E+22	1,711599E+22	1,901910E+22	2,176088E+22
170	2,410825E+22	2,543210E+22	2,587601E+22	2,587572E+22	2,543148E+22	2,410772E+22	2,176058E+22	1,901911E+22	1,711620E+22	1,711616E+22	1,901892E+22	2,176023E+22
171	2,410739E+22	2,543124E+22	2,587531E+22	2,587553E+22	2,543162E+22	2,410789E+22	2,176096E+22	1,901967E+22	1,711670E+22	1,711641E+22	1,901890E+22	2,176013E+22
172	2,410763E+22	2,543221E+22	2,587663E+22	2,587657E+22	2,543211E+22	2,410774E+22	2,176046E+22	1,901931E+22	1,711675E+22	1,711689E+22	1,901971E+22	2,176097E+22
173	2,410789E+22	2,543163E+22	2,587560E+22	2,587541E+22	2,543123E+22	2,410736E+22	2,176035E+22	1,901929E+22	1,711669E+22	1,711666E+22	1,901927E+22	2,176029E+22
174	2,410710E+22	2,543097E+22	2,587553E+22	2,587600E+22	2,543203E+22	2,410809E+22	2,176085E+22	1,901940E+22	1,711651E+22	1,711647E+22	1,901929E+22	2,176076E+22
175	2,410817E+22	2,543229E+22	2,587646E+22	2,587639E+22	2,543189E+22	2,410755E+22	2,176022E+22	1,901884E+22	1,711610E+22	1,711628E+22	1,901934E+22	2,176084E+22
176	2,410796E+22	2,543167E+22	2,587533E+22	2,587510E+22	2,543126E+22	2,410757E+22	2,176044E+22	1,901898E+22	1,711596E+22	1,711581E+22	1,901861E+22	2,175997E+22
177	2,410722E+22	2,543164E+22	2,587630E+22	2,587637E+22	2,543215E+22	2,410809E+22	2,176066E+22	1,901897E+22	1,711589E+22	1,711576E+22	1,901869E+22	2,176050E+22
178	2,410816E+22	2,543226E+22	2,587638E+22	2,587623E+22	2,543176E+22	2,410751E+22	2,176008E+22	1,901851E+22	1,711556E+22	1,711558E+22	1,901850E+22	2,175993E+22
179	2,410719E+22	2,543115E+22	2,587521E+22	2,587555E+22	2,543184E+22	2,410787E+22	2,176045E+22	1,901873E+22	1,711553E+22	1,711534E+22	1,901825E+22	2,175979E+22
180	2,410724E+22	2,543171E+22	2,587628E+22	2,587644E+22	2,543237E+22	2,410809E+22	2,176030E+22	1,901839E+22	1,711529E+22	1,711543E+22	1,901879E+22	2,176077E+22
181	2,410806E+22	2,543172E+22	2,587558E+22	2,587537E+22	2,543127E+22	2,410747E+22	2,176019E+22	1,901847E+22	1,711526E+22	1,711516E+22	1,901822E+22	2,175994E+22
182	2,410727E+22	2,543106E+22	2,587519E+22	2,587549E+22	2,543167E+22	2,410788E+22	2,176059E+22	1,901878E+22	1,711546E+22	1,711524E+22	1,901823E+22	2,176007E+22
183	2,410794E+22	2,543244E+22	2,587662E+22	2,587639E+22	2,543181E+22	2,410738E+22	2,175991E+22	1,901831E+22	1,711538E+22	1,711553E+22	1,901873E+22	2,176047E+22
184	2,410785E+22	2,543185E+22	2,587566E+22	2,587530E+22	2,543121E+22	2,410726E+22	2,175998E+22	1,901850E+22	1,711558E+22	1,711560E+22	1,901853E+22	2,175986E+22
185	2,410691E+22	2,543115E+22	2,587595E+22	2,587630E+22	2,543217E+22	2,410802E+22	2,176050E+22	1,901886E+22	1,711593E+22	1,711594E+22	1,901892E+22	2,176064E+22
186	2,410815E+22	2,543213E+22	2,587627E+22	2,587634E+22	2,543201E+22	2,410773E+22	2,176024E+22	1,901874E+22	1,711597E+22	1,711616E+22	1,901913E+22	2,176050E+22
187	2,410757E+22	2,543129E+22	2,587510E+22	2,587521E+22	2,543154E+22	2,410785E+22	2,176082E+22	1,901948E+22	1,711653E+22	1,711632E+22	1,901892E+22	2,176011E+22
188	2,410731E+22	2,543164E+22	2,587617E+22	2,587619E+22	2,543203E+22	2,410806E+22	2,176088E+22	1,901961E+22	1,711690E+22	1,711686E+22	1,901957E+22	2,176096E+22
189	2,410817E+22	2,543205E+22	2,587607E+22	2,587571E+22	2,543122E+22	2,410733E+22	2,176057E+22	1,901973E+22	1,711721E+22	1,711712E+22	1,901946E+22	2,176023E+22
190	2,410705E+22	2,543091E+22	2,587520E+22	2,587550E+22	2,543156E+22	2,410776E+22	2,176095E+22	1,902006E+22	1,711750E+22	1,711734E+22	1,901963E+22	2,176041E+22
191	2,410743E+22	2,543182E+22	2,587647E+22	2,587653E+22	2,543207E+22	2,410769E+22	2,176047E+22	1,901952E+22	1,711722E+22	1,711747E+22	1,902020E+22	2,176126E+22
192	2,410801E+22	2,543160E+22	2,587553E+22	2,587531E+22	2,543118E+22	2,410741E+22	2,176054E+22	1,901959E+22	1,711712E+22	1,711719E+22	1,901973E+22	2,176054E+22
193	2,410714E+22	2,543083E+22	2,587532E+22	2,587577E+22	2,543183E+22	2,410799E+22	2,176100E+22	1,901988E+22	1,711718E+22	1,711704E+22	1,901958E+22	2,176088E+22
194	2,410829E+22	2,543238E+22	2,587637E+22	2,587616E+22	2,543182E+22	2,410768E+22	2,176047E+22	1,901932E+22	1,711675E+22	1,711682E+22	1,901950E+22	2,176064E+22
195	2,410770E+22	2,543163E+22	2,587552E+22	2,587515E+22	2,543114E+22	2,410750E+22	2,176067E+22	1,901955E+22	1,711674E+22	1,711649E+22	1,901891E+22	2,175990E+22
196	2,410697E+22	2,543129E+22	2,587616E+22	2,587634E+22	2,543203E+22	2,410788E+22	2,176060E+22	1,901930E+22	1,711657E+22	1,711652E+22	1,901923E+22	2,176069E+22
197	2,410804E+22	2,543195E+22	2,587613E+22	2,587611E+22	2,543169E+22	2,410744E+22	2,176017E+22	1,901892E+22	1,711624E+22	1,711629E+22	1,901900E+22	2,176012E+22
198	2,410709E+22	2,543082E+22	2,587483E+22	2,587517E+22	2,543159E+22	2,410787E+22	2,176068E+22	1,901919E+22	1,711618E+22	1,711603E+22	1,901878E+22	2,176010E+22
199	2,410732E+22	2,543162E+22	2,587616E+22	2,587617E+22	2,543200E+22	2,410785E+22	2,176037E+22	1,901878E+22	1,711587E+22	1,711594E+22	1,901906E+22	2,176087E+22
200	2,410821E+22	2,543196E+22	2,587580E+22	2,587531E+22	2,543098E+22	2,410720E+22	2,176019E+22	1,901882E+22	1,711592E+22	1,711588E+22	1,901867E+22	2,175996E+22
201	2,410705E+22	2,543089E+22	2,587527E+22	2,587560E+22	2,543153E+22	2,410760E+22	2,176052E+22	1,901920E+22	1,711628E+22	1,711610E+22	1,901878E+22	2,176021E+22
202	2,410783E+22	2,543226E+22	2,587653E+22	2,587645E+22	2,543208E+22	2,410761E+22	2,176003E+22	1,901867E+22	1,711606E+22	1,711629E+22	1,901923E+22	2,176054E+22
203	2,410761E+22	2,543158E+22	2,587560E+22	2,587529E+22	2,543131E+22	2,410752E+22	2,176038E+22	1,901909E+22	1,711635E+22	1,711634E+22	1,901900E+22	2,176009E+22
204	2,410693E+22	2,543085E+22	2,587564E+22	2,587606E+22	2,543200E+22	2,410802E+22	2,176078E+22	1,901946E+22	1,711674E+22	1,711671E+22	1,901942E+22	2,176089E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410828E+22	2,543211E+22	2,587611E+22	2,587607E+22	2,543174E+22	2,410758E+22	2,176050E+22	1,901950E+22	1,711696E+22	1,711698E+22	1,901953E+22	2,176049E+22
206	2,410740E+22	2,543113E+22	2,587497E+22	2,587492E+22	2,543116E+22	2,410769E+22	2,176105E+22	1,902017E+22	1,711755E+22	1,711731E+22	1,901952E+22	2,176021E+22
207	2,410708E+22	2,543140E+22	2,587621E+22	2,587621E+22	2,543176E+22	2,410771E+22	2,176082E+22	1,902004E+22	1,711770E+22	1,711771E+22	1,902013E+22	2,176110E+22
208	2,410805E+22	2,543190E+22	2,587608E+22	2,587576E+22	2,543117E+22	2,410716E+22	2,176048E+22	1,901997E+22	1,711787E+22	1,711802E+22	1,902024E+22	2,176055E+22
209	2,410691E+22	2,543051E+22	2,587488E+22	2,587534E+22	2,543146E+22	2,410771E+22	2,176100E+22	1,902038E+22	1,711814E+22	1,711810E+22	1,902027E+22	2,176085E+22
210	2,410767E+22	2,543178E+22	2,587615E+22	2,587619E+22	2,543202E+22	2,410789E+22	2,176073E+22	1,901990E+22	1,711773E+22	1,711794E+22	1,902046E+22	2,176134E+22
211	2,410808E+22	2,543173E+22	2,587562E+22	2,587517E+22	2,543096E+22	2,410741E+22	2,176085E+22	1,902019E+22	1,711781E+22	1,711767E+22	1,901983E+22	2,176049E+22
212	2,410718E+22	2,543088E+22	2,587540E+22	2,587570E+22	2,543151E+22	2,410769E+22	2,176101E+22	1,902032E+22	1,711789E+22	1,711766E+22	1,901983E+22	2,176076E+22
213	2,410811E+22	2,543233E+22	2,587648E+22	2,587630E+22	2,543175E+22	2,410746E+22	2,176050E+22	1,901982E+22	1,711752E+22	1,711754E+22	1,901984E+22	2,176047E+22
214	2,410722E+22	2,543119E+22	2,587536E+22	2,587519E+22	2,543120E+22	2,410758E+22	2,176082E+22	1,901996E+22	1,711745E+22	1,711730E+22	1,901952E+22	2,176009E+22
215	2,410668E+22	2,543080E+22	2,587588E+22	2,587624E+22	2,543194E+22	2,410789E+22	2,176073E+22	1,901961E+22	1,711706E+22	1,711709E+22	1,901970E+22	2,176093E+22
216	2,410807E+22	2,543181E+22	2,587594E+22	2,587592E+22	2,543153E+22	2,410743E+22	2,176036E+22	1,901929E+22	1,711679E+22	1,711695E+22	1,901955E+22	2,176038E+22
217	2,410712E+22	2,543067E+22	2,587457E+22	2,587485E+22	2,543125E+22	2,410768E+22	2,176078E+22	1,901967E+22	1,711693E+22	1,711675E+22	1,901924E+22	2,176032E+22
218	2,410750E+22	2,543175E+22	2,587606E+22	2,587591E+22	2,543180E+22	2,410781E+22	2,176048E+22	1,901922E+22	1,711658E+22	1,711663E+22	1,901941E+22	2,176082E+22
219	2,410807E+22	2,543200E+22	2,587605E+22	2,587548E+22	2,543090E+22	2,410707E+22	2,176029E+22	1,901932E+22	1,711671E+22	1,711664E+22	1,901913E+22	2,176010E+22
220	2,410698E+22	2,543064E+22	2,587516E+22	2,587565E+22	2,543149E+22	2,410742E+22	2,176043E+22	1,901949E+22	1,711696E+22	1,711690E+22	1,901938E+22	2,176047E+22
221	2,410780E+22	2,543205E+22	2,587633E+22	2,587637E+22	2,543206E+22	2,410767E+22	2,176028E+22	1,901919E+22	1,711677E+22	1,711700E+22	1,901971E+22	2,176070E+22
222	2,410751E+22	2,543132E+22	2,587532E+22	2,587506E+22	2,543113E+22	2,410762E+22	2,176077E+22	1,901973E+22	1,711715E+22	1,711709E+22	1,901951E+22	2,176026E+22
223	2,410687E+22	2,543072E+22	2,587550E+22	2,587579E+22	2,543162E+22	2,410783E+22	2,176098E+22	1,902005E+22	1,711753E+22	1,711739E+22	1,901974E+22	2,176086E+22
224	2,410819E+22	2,543216E+22	2,587624E+22	2,587602E+22	2,543146E+22	2,410737E+22	2,176060E+22	1,902000E+22	1,711784E+22	1,711794E+22	1,902011E+22	2,176049E+22
225	2,410709E+22	2,543083E+22	2,587487E+22	2,587491E+22	2,543097E+22	2,410742E+22	2,176102E+22	1,902066E+22	1,711849E+22	1,711832E+22	1,902022E+22	2,176045E+22
226	2,410699E+22	2,543117E+22	2,587591E+22	2,587607E+22	2,543185E+22	2,410784E+22	2,176093E+22	1,902041E+22	1,711841E+22	1,711851E+22	1,902071E+22	2,176130E+22
227	2,410794E+22	2,543173E+22	2,587599E+22	2,587572E+22	2,543113E+22	2,410726E+22	2,176079E+22	1,902049E+22	1,711855E+22	1,711866E+22	1,902069E+22	2,176089E+22
228	2,410709E+22	2,543038E+22	2,587463E+22	2,587512E+22	2,543122E+22	2,410756E+22	2,176112E+22	1,902082E+22	1,711878E+22	1,711871E+22	1,902066E+22	2,176106E+22
229	2,410785E+22	2,543192E+22	2,587615E+22	2,587604E+22	2,543175E+22	2,410775E+22	2,176096E+22	1,902052E+22	1,711848E+22	1,711856E+22	1,902071E+22	2,176122E+22
230	2,410787E+22	2,543167E+22	2,587569E+22	2,587515E+22	2,543074E+22	2,410731E+22	2,176106E+22	1,902074E+22	1,711860E+22	1,711844E+22	1,902026E+22	2,176042E+22
231	2,410681E+22	2,543064E+22	2,587547E+22	2,587583E+22	2,543141E+22	2,410748E+22	2,176099E+22	1,902066E+22	1,711853E+22	1,711835E+22	1,902025E+22	2,176075E+22
232	2,410782E+22	2,543205E+22	2,587640E+22	2,587640E+22	2,543185E+22	2,410747E+22	2,176050E+22	1,902001E+22	1,711809E+22	1,711834E+22	1,902050E+22	2,176070E+22
233	2,410700E+22	2,543068E+22	2,587486E+22	2,587494E+22	2,543108E+22	2,410760E+22	2,176098E+22	1,902033E+22	1,711805E+22	1,711799E+22	1,902013E+22	2,176053E+22
234	2,410691E+22	2,543071E+22	2,587538E+22	2,587577E+22	2,543176E+22	2,410799E+22	2,176100E+22	1,902004E+22	1,711760E+22	1,711758E+22	1,902002E+22	2,176107E+22
235	2,410817E+22	2,543195E+22	2,587595E+22	2,587568E+22	2,543114E+22	2,410726E+22	2,176058E+22	1,901986E+22	1,711749E+22	1,711748E+22	1,901979E+22	2,176048E+22
236	2,410722E+22	2,543074E+22	2,587463E+22	2,587477E+22	2,543089E+22	2,410727E+22	2,176067E+22	1,902001E+22	1,711762E+22	1,711746E+22	1,901964E+22	2,176036E+22
237	2,410744E+22	2,543182E+22	2,587624E+22	2,587607E+22	2,543168E+22	2,410755E+22	2,176046E+22	1,901962E+22	1,711727E+22	1,711735E+22	1,901983E+22	2,176077E+22
238	2,410770E+22	2,543168E+22	2,587595E+22	2,587558E+22	2,543099E+22	2,410718E+22	2,176046E+22	1,901971E+22	1,711738E+22	1,711741E+22	1,901970E+22	2,176027E+22
239	2,410674E+22	2,543032E+22	2,587499E+22	2,587561E+22	2,543146E+22	2,410750E+22	2,176068E+22	1,901991E+22	1,711754E+22	1,711748E+22	1,901978E+22	2,176061E+22
240	2,410777E+22	2,543193E+22	2,587617E+22	2,587625E+22	2,543196E+22	2,410772E+22	2,176057E+22	1,901972E+22	1,711753E+22	1,711778E+22	1,902020E+22	2,176080E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410739E+22	2,543109E+22	2,587503E+22	2,587477E+22	2,543082E+22	2,410751E+22	2,176106E+22	1,902046E+22	1,711815E+22	1,711802E+22	1,902005E+22	2,176043E+22
242	2,410688E+22	2,543070E+22	2,587529E+22	2,587552E+22	2,543138E+22	2,410775E+22	2,176119E+22	1,902068E+22	1,711847E+22	1,711830E+22	1,902027E+22	2,176085E+22
243	2,410790E+22	2,543202E+22	2,587631E+22	2,587610E+22	2,543131E+22	2,410717E+22	2,176071E+22	1,902059E+22	1,711879E+22	1,711888E+22	1,902076E+22	2,176079E+22
244	2,410703E+22	2,543053E+22	2,587463E+22	2,587482E+22	2,543085E+22	2,410721E+22	2,176091E+22	1,902095E+22	1,711923E+22	1,711922E+22	1,902096E+22	2,176087E+22
245	2,410713E+22	2,543110E+22	2,587572E+22	2,587589E+22	2,543164E+22	2,410775E+22	2,176112E+22	1,902088E+22	1,711906E+22	1,711920E+22	1,902121E+22	2,176152E+22
246	2,410797E+22	2,543165E+22	2,587584E+22	2,587555E+22	2,543095E+22	2,410726E+22	2,176107E+22	1,902104E+22	1,711925E+22	1,711930E+22	1,902109E+22	2,176102E+22
247	2,410707E+22	2,543046E+22	2,587474E+22	2,587504E+22	2,543094E+22	2,410735E+22	2,176123E+22	1,902128E+22	1,711942E+22	1,711923E+22	1,902086E+22	2,176095E+22
248	2,410768E+22	2,543197E+22	2,587639E+22	2,587621E+22	2,543168E+22	2,410762E+22	2,176102E+22	1,902089E+22	1,711920E+22	1,711934E+22	1,902113E+22	2,176111E+22
249	2,410743E+22	2,543128E+22	2,587555E+22	2,587526E+22	2,543079E+22	2,410726E+22	2,176116E+22	1,902117E+22	1,711936E+22	1,711926E+22	1,902084E+22	2,176058E+22
250	2,410662E+22	2,543028E+22	2,587499E+22	2,587562E+22	2,543157E+22	2,410773E+22	2,176123E+22	1,902103E+22	1,711911E+22	1,711899E+22	1,902074E+22	2,176091E+22
251	2,410763E+22	2,543177E+22	2,587614E+22	2,587624E+22	2,543178E+22	2,410759E+22	2,176086E+22	1,902055E+22	1,711871E+22	1,711887E+22	1,902092E+22	2,176108E+22
252	2,410721E+22	2,543055E+22	2,587449E+22	2,587454E+22	2,543070E+22	2,410733E+22	2,176102E+22	1,902073E+22	1,711867E+22	1,711858E+22	1,902053E+22	2,176078E+22
253	2,410714E+22	2,543092E+22	2,587535E+22	2,587545E+22	2,543126E+22	2,410766E+22	2,176114E+22	1,902058E+22	1,711830E+22	1,711819E+22	1,902032E+22	2,176105E+22
254	2,410804E+22	2,543199E+22	2,587609E+22	2,587569E+22	2,543087E+22	2,410699E+22	2,176063E+22	1,902030E+22	1,711821E+22	1,711822E+22	1,902025E+22	2,176050E+22
255	2,410695E+22	2,543064E+22	2,587478E+22	2,587494E+22	2,543080E+22	2,410698E+22	2,176052E+22	1,902024E+22	1,711817E+22	1,711808E+22	1,902008E+22	2,176043E+22
256	2,410721E+22	2,543163E+22	2,587623E+22	2,587624E+22	2,543185E+22	2,410762E+22	2,176049E+22	1,901980E+22	1,711783E+22	1,711811E+22	1,902041E+22	2,176095E+22
257	2,410750E+22	2,543128E+22	2,587557E+22	2,587542E+22	2,543098E+22	2,410730E+22	2,176076E+22	1,902020E+22	1,711806E+22	1,711811E+22	1,902022E+22	2,176056E+22
258	2,410685E+22	2,543023E+22	2,587454E+22	2,587521E+22	2,543135E+22	2,410764E+22	2,176108E+22	1,902057E+22	1,711831E+22	1,711812E+22	1,902010E+22	2,176061E+22
259	2,410762E+22	2,543193E+22	2,587618E+22	2,587612E+22	2,543168E+22	2,410760E+22	2,176090E+22	1,902050E+22	1,711850E+22	1,711854E+22	1,902057E+22	2,176089E+22
260	2,410730E+22	2,543094E+22	2,587494E+22	2,587466E+22	2,543048E+22	2,410709E+22	2,176101E+22	1,902100E+22	1,711912E+22	1,711902E+22	1,902069E+22	2,176057E+22
261	2,410675E+22	2,543060E+22	2,587527E+22	2,587549E+22	2,543117E+22	2,410749E+22	2,176127E+22	1,902122E+22	1,711934E+22	1,711926E+22	1,902096E+22	2,176103E+22
262	2,410763E+22	2,543169E+22	2,587612E+22	2,587604E+22	2,543128E+22	2,410720E+22	2,176089E+22	1,902104E+22	1,711955E+22	1,711977E+22	1,902149E+22	2,176115E+22
263	2,410696E+22	2,543038E+22	2,587452E+22	2,587470E+22	2,543070E+22	2,410714E+22	2,176105E+22	1,902133E+22	1,711980E+22	1,711983E+22	1,902141E+22	2,176114E+22
264	2,410727E+22	2,543118E+22	2,587572E+22	2,587583E+22	2,543157E+22	2,410772E+22	2,176126E+22	1,902129E+22	1,711975E+22	1,711991E+22	1,902162E+22	2,176161E+22
265	2,410791E+22	2,543156E+22	2,587571E+22	2,587541E+22	2,543079E+22	2,410720E+22	2,176131E+22	1,902164E+22	1,712009E+22	1,712006E+22	1,902151E+22	2,176109E+22
266	2,410702E+22	2,543046E+22	2,587464E+22	2,587499E+22	2,543093E+22	2,410734E+22	2,176144E+22	1,902183E+22	1,712020E+22	1,711996E+22	1,902124E+22	2,176085E+22
267	2,410726E+22	2,543171E+22	2,587642E+22	2,587635E+22	2,543170E+22	2,410757E+22	2,176118E+22	1,902142E+22	1,711996E+22	1,712004E+22	1,902162E+22	2,176134E+22
268	2,410727E+22	2,543082E+22	2,587514E+22	2,587505E+22	2,543070E+22	2,410716E+22	2,176117E+22	1,902148E+22	1,711999E+22	1,712000E+22	1,902146E+22	2,176096E+22
269	2,410673E+22	2,543018E+22	2,587467E+22	2,587520E+22	2,543118E+22	2,410761E+22	2,176148E+22	1,902149E+22	1,711966E+22	1,711954E+22	1,902114E+22	2,176112E+22
270	2,410764E+22	2,543167E+22	2,587590E+22	2,587585E+22	2,543139E+22	2,410742E+22	2,176105E+22	1,902104E+22	1,711934E+22	1,711943E+22	1,902125E+22	2,176119E+22
271	2,410722E+22	2,543073E+22	2,587465E+22	2,587439E+22	2,543030E+22	2,410693E+22	2,176092E+22	1,902103E+22	1,711921E+22	1,711907E+22	1,902073E+22	2,176073E+22
272	2,410706E+22	2,543106E+22	2,587567E+22	2,587567E+22	2,543118E+22	2,410734E+22	2,176093E+22	1,902076E+22	1,711892E+22	1,711892E+22	1,902072E+22	2,176098E+22
273	2,410768E+22	2,543167E+22	2,587603E+22	2,587587E+22	2,543102E+22	2,410696E+22	2,176066E+22	1,902063E+22	1,711886E+22	1,711895E+22	1,902078E+22	2,176069E+22
274	2,410681E+22	2,543037E+22	2,587448E+22	2,587491E+22	2,543106E+22	2,410726E+22	2,176080E+22	1,902064E+22	1,711873E+22	1,711867E+22	1,902048E+22	2,176052E+22
275	2,410696E+22	2,543132E+22	2,587606E+22	2,587619E+22	2,543189E+22	2,410782E+22	2,176096E+22	1,902048E+22	1,711855E+22	1,711866E+22	1,902077E+22	2,176120E+22
276	2,410755E+22	2,543106E+22	2,587520E+22	2,587507E+22	2,543074E+22	2,410720E+22	2,176100E+22	1,902084E+22	1,711894E+22	1,711892E+22	1,902071E+22	2,176074E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
277	2,410692E+22	2,543032E+22	2,587445E+22	2,587481E+22	2,543085E+22	2,410742E+22	2,176139E+22	1,902132E+22	1,711929E+22	1,711902E+22	1,902059E+22	2,176063E+22
278	2,410736E+22	2,543173E+22	2,587614E+22	2,587602E+22	2,543141E+22	2,410735E+22	2,176102E+22	1,902113E+22	1,711951E+22	1,711958E+22	1,902128E+22	2,176107E+22
279	2,410707E+22	2,543077E+22	2,587495E+22	2,587468E+22	2,543033E+22	2,410676E+22	2,176085E+22	1,902131E+22	1,711987E+22	1,711990E+22	1,902138E+22	2,176091E+22
280	2,410671E+22	2,543044E+22	2,587520E+22	2,587551E+22	2,543119E+22	2,410741E+22	2,176120E+22	1,902143E+22	1,712002E+22	1,712015E+22	1,902166E+22	2,176142E+22
281	2,410766E+22	2,543145E+22	2,587582E+22	2,587583E+22	2,543118E+22	2,410724E+22	2,176116E+22	1,902155E+22	1,712023E+22	1,712046E+22	1,902203E+22	2,176151E+22
282	2,410722E+22	2,543047E+22	2,587431E+22	2,587443E+22	2,543059E+22	2,410719E+22	2,176137E+22	1,902192E+22	1,712050E+22	1,712037E+22	1,902163E+22	2,176108E+22
283	2,410714E+22	2,543126E+22	2,587594E+22	2,587590E+22	2,543145E+22	2,410766E+22	2,176157E+22	1,902198E+22	1,712060E+22	1,712052E+22	1,902185E+22	2,176158E+22
284	2,410774E+22	2,543140E+22	2,587569E+22	2,587543E+22	2,543068E+22	2,410695E+22	2,176130E+22	1,902211E+22	1,712093E+22	1,712090E+22	1,902198E+22	2,176109E+22
285	2,410677E+22	2,543024E+22	2,587453E+22	2,587487E+22	2,543080E+22	2,410729E+22	2,176163E+22	1,902233E+22	1,712095E+22	1,712074E+22	1,902177E+22	2,176093E+22
286	2,410688E+22	2,543119E+22	2,587609E+22	2,587620E+22	2,543169E+22	2,410766E+22	2,176144E+22	1,902189E+22	1,712065E+22	1,712077E+22	1,902219E+22	2,176159E+22
287	2,410718E+22	2,543060E+22	2,587491E+22	2,587475E+22	2,543041E+22	2,410697E+22	2,176124E+22	1,902184E+22	1,712051E+22	1,712052E+22	1,902184E+22	2,176121E+22
288	2,410688E+22	2,543023E+22	2,587463E+22	2,587499E+22	2,543091E+22	2,410738E+22	2,176145E+22	1,902180E+22	1,712029E+22	1,712020E+22	1,902152E+22	2,176122E+22
289	2,410763E+22	2,543165E+22	2,587586E+22	2,587565E+22	2,543109E+22	2,410720E+22	2,176111E+22	1,902147E+22	1,712004E+22	1,712011E+22	1,902165E+22	2,176129E+22
290	2,410720E+22	2,543075E+22	2,587469E+22	2,587444E+22	2,543031E+22	2,410679E+22	2,176093E+22	1,902137E+22	1,711982E+22	1,711967E+22	1,902106E+22	2,176067E+22
291	2,410673E+22	2,543085E+22	2,587579E+22	2,587595E+22	2,543140E+22	2,410738E+22	2,176100E+22	1,902112E+22	1,711951E+22	1,711948E+22	1,902114E+22	2,176122E+22
292	2,410757E+22	2,543127E+22	2,587566E+22	2,587575E+22	2,543111E+22	2,410702E+22	2,176076E+22	1,902094E+22	1,711945E+22	1,711962E+22	1,902129E+22	2,176099E+22
293	2,410690E+22	2,543027E+22	2,587422E+22	2,587451E+22	2,543078E+22	2,410732E+22	2,176125E+22	1,902127E+22	1,711941E+22	1,711928E+22	1,902086E+22	2,176065E+22
294	2,410686E+22	2,543109E+22	2,587583E+22	2,587586E+22	2,543159E+22	2,410776E+22	2,176131E+22	1,902122E+22	1,711945E+22	1,711943E+22	1,902117E+22	2,176122E+22
295	2,410741E+22	2,543108E+22	2,587527E+22	2,587486E+22	2,543033E+22	2,410683E+22	2,176101E+22	1,902136E+22	1,711980E+22	1,711973E+22	1,902116E+22	2,176079E+22
296	2,410679E+22	2,543031E+22	2,587462E+22	2,587488E+22	2,543069E+22	2,410709E+22	2,176121E+22	1,902166E+22	1,712017E+22	1,712005E+22	1,902125E+22	2,176077E+22
297	2,410711E+22	2,543136E+22	2,587592E+22	2,587595E+22	2,543140E+22	2,410729E+22	2,176108E+22	1,902156E+22	1,712033E+22	1,712052E+22	1,902203E+22	2,176148E+22
298	2,410713E+22	2,543057E+22	2,587470E+22	2,587459E+22	2,543044E+22	2,410688E+22	2,176106E+22	1,902174E+22	1,712052E+22	1,712058E+22	1,902188E+22	2,176116E+22
299	2,410673E+22	2,543036E+22	2,587517E+22	2,587550E+22	2,543117E+22	2,410746E+22	2,176151E+22	1,902204E+22	1,712073E+22	1,712069E+22	1,902202E+22	2,176170E+22
300	2,410779E+22	2,543138E+22	2,587562E+22	2,587558E+22	2,543099E+22	2,410713E+22	2,176134E+22	1,902214E+22	1,712109E+22	1,712122E+22	1,902242E+22	2,176160E+22
301	2,410725E+22	2,543063E+22	2,587446E+22	2,587423E+22	2,543021E+22	2,410706E+22	2,176171E+22	1,902262E+22	1,712139E+22	1,712118E+22	1,902201E+22	2,176095E+22
302	2,410670E+22	2,543092E+22	2,587593E+22	2,587595E+22	2,543133E+22	2,410752E+22	2,176173E+22	1,902261E+22	1,712154E+22	1,712145E+22	1,902240E+22	2,176154E+22
303	2,410734E+22	2,543108E+22	2,587559E+22	2,587539E+22	2,543063E+22	2,410680E+22	2,176123E+22	1,902241E+22	1,712161E+22	1,712170E+22	1,902258E+22	2,176134E+22
304	2,410666E+22	2,542997E+22	2,587432E+22	2,587471E+22	2,543073E+22	2,410723E+22	2,176159E+22	1,902255E+22	1,712157E+22	1,712153E+22	1,902236E+22	2,176124E+22
305	2,410690E+22	2,543087E+22	2,587563E+22	2,587576E+22	2,543142E+22	2,410762E+22	2,176166E+22	1,902235E+22	1,712125E+22	1,712137E+22	1,902264E+22	2,176193E+22
306	2,410745E+22	2,543067E+22	2,587474E+22	2,587449E+22	2,543018E+22	2,410681E+22	2,176134E+22	1,902225E+22	1,712108E+22	1,712098E+22	1,902203E+22	2,176119E+22
307	2,410683E+22	2,543034E+22	2,587490E+22	2,587511E+22	2,543076E+22	2,410716E+22	2,176148E+22	1,902223E+22	1,712091E+22	1,712069E+22	1,902176E+22	2,176127E+22
308	2,410752E+22	2,543150E+22	2,587587E+22	2,587574E+22	2,543107E+22	2,410699E+22	2,176101E+22	1,902175E+22	1,712067E+22	1,712082E+22	1,902211E+22	2,176135E+22
309	2,410706E+22	2,543064E+22	2,587471E+22	2,587440E+22	2,543028E+22	2,410690E+22	2,176117E+22	1,902175E+22	1,712039E+22	1,712030E+22	1,902149E+22	2,176073E+22
310	2,410642E+22	2,543039E+22	2,587553E+22	2,587587E+22	2,543148E+22	2,410761E+22	2,176138E+22	1,902166E+22	1,712018E+22	1,712013E+22	1,902155E+22	2,176132E+22
311	2,410748E+22	2,543110E+22	2,587546E+22	2,587547E+22	2,543092E+22	2,410698E+22	2,176095E+22	1,902144E+22	1,712011E+22	1,712020E+22	1,902164E+22	2,176114E+22
312	2,410697E+22	2,543027E+22	2,587415E+22	2,587427E+22	2,543050E+22	2,410716E+22	2,176133E+22	1,902179E+22	1,712030E+22	1,712014E+22	1,902132E+22	2,176072E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410676E+22	2,543091E+22	2,587568E+22	2,587559E+22	2,543124E+22	2,410756E+22	2,176150E+22	1,902185E+22	1,712040E+22	1,712037E+22	1,902178E+22	2,176141E+22
314	2,410736E+22	2,543093E+22	2,587520E+22	2,587485E+22	2,543021E+22	2,410658E+22	2,176099E+22	1,902182E+22	1,712063E+22	1,712061E+22	1,902175E+22	2,176093E+22
315	2,410657E+22	2,543007E+22	2,587466E+22	2,587505E+22	2,543077E+22	2,410703E+22	2,176123E+22	1,902204E+22	1,712089E+22	1,712081E+22	1,902191E+22	2,176122E+22
316	2,410718E+22	2,543109E+22	2,587561E+22	2,587572E+22	2,543130E+22	2,410724E+22	2,176114E+22	1,902190E+22	1,712099E+22	1,712129E+22	1,902263E+22	2,176184E+22
317	2,410735E+22	2,543065E+22	2,587460E+22	2,587423E+22	2,543008E+22	2,410688E+22	2,176145E+22	1,902234E+22	1,712123E+22	1,712120E+22	1,902222E+22	2,176122E+22
318	2,410666E+22	2,543029E+22	2,587515E+22	2,587538E+22	2,543099E+22	2,410743E+22	2,176183E+22	1,902275E+22	1,712164E+22	1,712144E+22	1,902231E+22	2,176154E+22
319	2,410759E+22	2,543142E+22	2,587578E+22	2,587555E+22	2,543076E+22	2,410687E+22	2,176135E+22	1,902264E+22	1,712193E+22	1,712201E+22	1,902280E+22	2,176151E+22
320	2,410696E+22	2,543045E+22	2,587458E+22	2,587440E+22	2,543022E+22	2,410690E+22	2,176163E+22	1,902302E+22	1,712229E+22	1,712217E+22	1,902262E+22	2,176101E+22
321	2,410632E+22	2,543034E+22	2,587555E+22	2,587582E+22	2,543136E+22	2,410763E+22	2,176194E+22	1,902308E+22	1,712231E+22	1,712233E+22	1,902310E+22	2,176188E+22
322	2,410728E+22	2,543069E+22	2,587517E+22	2,587519E+22	2,543060E+22	2,410689E+22	2,176147E+22	1,902284E+22	1,712222E+22	1,712232E+22	1,902305E+22	2,176158E+22
323	2,410669E+22	2,542984E+22	2,587417E+22	2,587456E+22	2,543058E+22	2,410721E+22	2,176180E+22	1,902304E+22	1,712216E+22	1,712202E+22	1,902274E+22	2,176157E+22
324	2,410712E+22	2,543086E+22	2,587539E+22	2,587537E+22	2,543105E+22	2,410739E+22	2,176169E+22	1,902277E+22	1,712195E+22	1,712203E+22	1,902302E+22	2,176206E+22
325	2,410759E+22	2,543092E+22	2,587493E+22	2,587431E+22	2,542975E+22	2,410660E+22	2,176152E+22	1,902271E+22	1,712174E+22	1,712162E+22	1,902236E+22	2,176112E+22
326	2,410655E+22	2,543014E+22	2,587500E+22	2,587531E+22	2,543077E+22	2,410704E+22	2,176151E+22	1,902262E+22	1,712160E+22	1,712140E+22	1,902218E+22	2,176123E+22
327	2,410725E+22	2,543129E+22	2,587582E+22	2,587577E+22	2,543112E+22	2,410696E+22	2,176095E+22	1,902194E+22	1,712117E+22	1,712142E+22	1,902256E+22	2,176154E+22
328	2,410700E+22	2,543045E+22	2,587459E+22	2,587433E+22	2,543026E+22	2,410696E+22	2,176125E+22	1,902205E+22	1,712097E+22	1,712096E+22	1,902193E+22	2,176091E+22
329	2,410638E+22	2,543006E+22	2,587508E+22	2,587545E+22	2,543123E+22	2,410767E+22	2,176175E+22	1,902227E+22	1,712091E+22	1,712078E+22	1,902194E+22	2,176147E+22
330	2,410755E+22	2,543105E+22	2,587532E+22	2,587527E+22	2,543067E+22	2,410685E+22	2,176115E+22	1,902202E+22	1,712089E+22	1,712086E+22	1,902192E+22	2,176107E+22
331	2,410682E+22	2,543026E+22	2,587434E+22	2,587436E+22	2,543028E+22	2,410688E+22	2,176135E+22	1,902230E+22	1,712111E+22	1,712089E+22	1,902179E+22	2,176086E+22
332	2,410660E+22	2,543064E+22	2,587549E+22	2,587550E+22	2,543108E+22	2,410730E+22	2,176140E+22	1,902223E+22	1,712123E+22	1,712132E+22	1,902246E+22	2,176165E+22
333	2,410731E+22	2,543081E+22	2,587514E+22	2,587472E+22	2,543007E+22	2,410662E+22	2,176120E+22	1,902222E+22	1,712131E+22	1,712141E+22	1,902236E+22	2,176116E+22
334	2,410643E+22	2,542973E+22	2,587446E+22	2,587498E+22	2,543074E+22	2,410712E+22	2,176152E+22	1,902258E+22	1,712163E+22	1,712156E+22	1,902240E+22	2,176137E+22
335	2,410722E+22	2,543108E+22	2,587549E+22	2,587551E+22	2,543110E+22	2,410717E+22	2,176130E+22	1,902240E+22	1,712172E+22	1,712197E+22	1,902302E+22	2,176197E+22
336	2,410742E+22	2,543077E+22	2,587472E+22	2,587417E+22	2,542989E+22	2,410676E+22	2,176154E+22	1,902289E+22	1,712217E+22	1,712209E+22	1,902264E+22	2,176118E+22
337	2,410644E+22	2,543005E+22	2,587503E+22	2,587527E+22	2,543080E+22	2,410737E+22	2,176209E+22	1,902344E+22	1,712263E+22	1,712240E+22	1,902288E+22	2,176159E+22
338	2,410733E+22	2,543110E+22	2,587568E+22	2,587569E+22	2,543081E+22	2,410679E+22	2,176144E+22	1,902314E+22	1,712277E+22	1,712288E+22	1,902337E+22	2,176162E+22
339	2,410668E+22	2,543006E+22	2,587442E+22	2,587447E+22	2,543029E+22	2,410695E+22	2,176177E+22	1,902343E+22	1,712296E+22	1,712290E+22	1,902330E+22	2,176148E+22
340	2,410638E+22	2,542996E+22	2,587499E+22	2,587537E+22	2,543109E+22	2,410759E+22	2,176212E+22	1,902350E+22	1,712297E+22	1,712306E+22	1,902370E+22	2,176228E+22
341	2,410756E+22	2,543080E+22	2,587499E+22	2,587469E+22	2,543008E+22	2,410679E+22	2,176180E+22	1,902338E+22	1,712285E+22	1,712289E+22	1,902339E+22	2,176168E+22
342	2,410671E+22	2,542989E+22	2,587421E+22	2,587444E+22	2,543027E+22	2,410700E+22	2,176193E+22	1,902356E+22	1,712290E+22	1,712265E+22	1,902298E+22	2,176144E+22
343	2,410705E+22	2,543106E+22	2,587563E+22	2,587541E+22	2,543079E+22	2,410704E+22	2,176153E+22	1,902302E+22	1,712255E+22	1,712266E+22	1,902335E+22	2,176201E+22
344	2,410740E+22	2,543087E+22	2,587514E+22	2,587460E+22	2,542984E+22	2,410647E+22	2,176135E+22	1,902292E+22	1,712238E+22	1,712234E+22	1,902280E+22	2,176114E+22
345	2,410625E+22	2,542971E+22	2,587473E+22	2,587530E+22	2,543090E+22	2,410726E+22	2,176179E+22	1,902302E+22	1,712218E+22	1,712204E+22	1,902267E+22	2,176142E+22
346	2,410713E+22	2,543094E+22	2,587551E+22	2,587571E+22	2,543114E+22	2,410709E+22	2,176126E+22	1,902239E+22	1,712170E+22	1,712190E+22	1,902285E+22	2,176161E+22
347	2,410692E+22	2,543028E+22	2,587443E+22	2,587425E+22	2,543016E+22	2,410701E+22	2,176156E+22	1,902262E+22	1,712163E+22	1,712150E+22	1,902232E+22	2,176113E+22
348	2,410642E+22	2,542993E+22	2,587474E+22	2,587503E+22	2,543081E+22	2,410746E+22	2,176189E+22	1,902282E+22	1,712175E+22	1,712161E+22	1,902244E+22	2,176156E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
349	2,410751E+22	2,543110E+22	2,587533E+22	2,587500E+22	2,543017E+22	2,410661E+22	2,176133E+22	1,902255E+22	1,712172E+22	1,712173E+22	1,902247E+22	2,176111E+22
350	2,410652E+22	2,542996E+22	2,587429E+22	2,587447E+22	2,543024E+22	2,410671E+22	2,176133E+22	1,902272E+22	1,712193E+22	1,712180E+22	1,902242E+22	2,176100E+22
351	2,410651E+22	2,543052E+22	2,587533E+22	2,587539E+22	2,543096E+22	2,410715E+22	2,176128E+22	1,902242E+22	1,712182E+22	1,712207E+22	1,902309E+22	2,176202E+22
352	2,410743E+22	2,543077E+22	2,587505E+22	2,587465E+22	2,542996E+22	2,410656E+22	2,176125E+22	1,902258E+22	1,712198E+22	1,712211E+22	1,902285E+22	2,176141E+22
353	2,410650E+22	2,542961E+22	2,587422E+22	2,587472E+22	2,543053E+22	2,410715E+22	2,176188E+22	1,902323E+22	1,712241E+22	1,712224E+22	1,902279E+22	2,176146E+22
354	2,410720E+22	2,543106E+22	2,587552E+22	2,587552E+22	2,543093E+22	2,410707E+22	2,176154E+22	1,902302E+22	1,712256E+22	1,712267E+22	1,902329E+22	2,176182E+22
355	2,410714E+22	2,543068E+22	2,587491E+22	2,587443E+22	2,542988E+22	2,410669E+22	2,176172E+22	1,902347E+22	1,712302E+22	1,712292E+22	1,902318E+22	2,176128E+22
356	2,410616E+22	2,542965E+22	2,587468E+22	2,587513E+22	2,543074E+22	2,410732E+22	2,176220E+22	1,902395E+22	1,712354E+22	1,712341E+22	1,902361E+22	2,176181E+22
357	2,410716E+22	2,543084E+22	2,587542E+22	2,587539E+22	2,543061E+22	2,410692E+22	2,176181E+22	1,902367E+22	1,712353E+22	1,712369E+22	1,902400E+22	2,176189E+22
358	2,410657E+22	2,542972E+22	2,587411E+22	2,587429E+22	2,543013E+22	2,410694E+22	2,176205E+22	1,902402E+22	1,712374E+22	1,712364E+22	1,902377E+22	2,176168E+22
359	2,410652E+22	2,543006E+22	2,587480E+22	2,587501E+22	2,543068E+22	2,410731E+22	2,176215E+22	1,902392E+22	1,712365E+22	1,712370E+22	1,902410E+22	2,176247E+22
360	2,410773E+22	2,543105E+22	2,587518E+22	2,587463E+22	2,542977E+22	2,410647E+22	2,176172E+22	1,902377E+22	1,712362E+22	1,712362E+22	1,902377E+22	2,176169E+22
361	2,410657E+22	2,542982E+22	2,587424E+22	2,587444E+22	2,543010E+22	2,410681E+22	2,176201E+22	1,902399E+22	1,712361E+22	1,712338E+22	1,902345E+22	2,176148E+22
362	2,410679E+22	2,543081E+22	2,587566E+22	2,587571E+22	2,543095E+22	2,410699E+22	2,176151E+22	1,902328E+22	1,712309E+22	1,712325E+22	1,902374E+22	2,176206E+22
363	2,410714E+22	2,543057E+22	2,587506E+22	2,587481E+22	2,543006E+22	2,410663E+22	2,176149E+22	1,902317E+22	1,712278E+22	1,712283E+22	1,902327E+22	2,176144E+22
364	2,410621E+22	2,542934E+22	2,587414E+22	2,587487E+22	2,543071E+22	2,410733E+22	2,176207E+22	1,902348E+22	1,712277E+22	1,712262E+22	1,902310E+22	2,176161E+22
365	2,410719E+22	2,543094E+22	2,587529E+22	2,587526E+22	2,543073E+22	2,410710E+22	2,176166E+22	1,902299E+22	1,712238E+22	1,712246E+22	1,902313E+22	2,176160E+22
366	2,410677E+22	2,543017E+22	2,587437E+22	2,587412E+22	2,542985E+22	2,410677E+22	2,176171E+22	1,902322E+22	1,712248E+22	1,712227E+22	1,902266E+22	2,176103E+22
367	2,410628E+22	2,542997E+22	2,587475E+22	2,587492E+22	2,543045E+22	2,410705E+22	2,176175E+22	1,902314E+22	1,712249E+22	1,712243E+22	1,902301E+22	2,176170E+22
368	2,410736E+22	2,543102E+22	2,587538E+22	2,587510E+22	2,543013E+22	2,410639E+22	2,176116E+22	1,902281E+22	1,712246E+22	1,712258E+22	1,902311E+22	2,176135E+22
369	2,410636E+22	2,542964E+22	2,587400E+22	2,587435E+22	2,543024E+22	2,410682E+22	2,176156E+22	1,902312E+22	1,712257E+22	1,712253E+22	1,902301E+22	2,176133E+22
370	2,410654E+22	2,543033E+22	2,587516E+22	2,587540E+22	2,543094E+22	2,410718E+22	2,176153E+22	1,902289E+22	1,712243E+22	1,712262E+22	1,902342E+22	2,176216E+22
371	2,410747E+22	2,543078E+22	2,587505E+22	2,587471E+22	2,542995E+22	2,410661E+22	2,176155E+22	1,902317E+22	1,712269E+22	1,712273E+22	1,902325E+22	2,176156E+22
372	2,410648E+22	2,542956E+22	2,587402E+22	2,587444E+22	2,543023E+22	2,410705E+22	2,176217E+22	1,902394E+22	1,712340E+22	1,712316E+22	1,902330E+22	2,176148E+22
373	2,410699E+22	2,543101E+22	2,587558E+22	2,587541E+22	2,543064E+22	2,410699E+22	2,176186E+22	1,902372E+22	1,712354E+22	1,712363E+22	1,902387E+22	2,176182E+22
374	2,410672E+22	2,543024E+22	2,587476E+22	2,587454E+22	2,542993E+22	2,410665E+22	2,176187E+22	1,902407E+22	1,712400E+22	1,712394E+22	1,902386E+22	2,176146E+22
375	2,410606E+22	2,542944E+22	2,587431E+22	2,587482E+22	2,543053E+22	2,410720E+22	2,176224E+22	1,902429E+22	1,712424E+22	1,712426E+22	1,902432E+22	2,176224E+22
376	2,410729E+22	2,543077E+22	2,587519E+22	2,587510E+22	2,543032E+22	2,410673E+22	2,176187E+22	1,902413E+22	1,712427E+22	1,712442E+22	1,902452E+22	2,176219E+22
377	2,410670E+22	2,542972E+22	2,587392E+22	2,587398E+22	2,542980E+22	2,410679E+22	2,176226E+22	1,902457E+22	1,712447E+22	1,712430E+22	1,902416E+22	2,176183E+22
378	2,410657E+22	2,543015E+22	2,587500E+22	2,587511E+22	2,543043E+22	2,410696E+22	2,176211E+22	1,902430E+22	1,712429E+22	1,712427E+22	1,902433E+22	2,176236E+22
379	2,410750E+22	2,543102E+22	2,587544E+22	2,587503E+22	2,542990E+22	2,410636E+22	2,176170E+22	1,902406E+22	1,712414E+22	1,712422E+22	1,902421E+22	2,176177E+22
380	2,410630E+22	2,542950E+22	2,587401E+22	2,587444E+22	2,543019E+22	2,410687E+22	2,176210E+22	1,902431E+22	1,712420E+22	1,712407E+22	1,902396E+22	2,176161E+22
381	2,410657E+22	2,543053E+22	2,587542E+22	2,587547E+22	2,543089E+22	2,410725E+22	2,176194E+22	1,902373E+22	1,712362E+22	1,712378E+22	1,902411E+22	2,176215E+22
382	2,410693E+22	2,543020E+22	2,587473E+22	2,587466E+22	2,543005E+22	2,410676E+22	2,176188E+22	1,902379E+22	1,712349E+22	1,712342E+22	1,902355E+22	2,176149E+22
383	2,410628E+22	2,542938E+22	2,587382E+22	2,587438E+22	2,543030E+22	2,410711E+22	2,176216E+22	1,902394E+22	1,712347E+22	1,712328E+22	1,902348E+22	2,176174E+22
384	2,410720E+22	2,543101E+22	2,587531E+22	2,587507E+22	2,543033E+22	2,410671E+22	2,176162E+22	1,902349E+22	1,712323E+22	1,712324E+22	1,902358E+22	2,176167E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
385	2,410658E+22	2,543001E+22	2,587430E+22	2,587406E+22	2,542963E+22	2,410649E+22	2,176172E+22	1,902366E+22	1,712325E+22	1,712310E+22	1,902328E+22	2,176125E+22
386	2,410610E+22	2,542970E+22	2,587474E+22	2,587509E+22	2,543044E+22	2,410683E+22	2,176162E+22	1,902337E+22	1,712306E+22	1,712311E+22	1,902354E+22	2,176195E+22
387	2,410730E+22	2,543085E+22	2,587532E+22	2,587521E+22	2,543025E+22	2,410648E+22	2,176129E+22	1,902307E+22	1,712288E+22	1,712315E+22	1,902369E+22	2,176176E+22
388	2,410648E+22	2,542952E+22	2,587363E+22	2,587398E+22	2,543002E+22	2,410684E+22	2,176186E+22	1,902366E+22	1,712325E+22	1,712317E+22	1,902344E+22	2,176152E+22
389	2,410663E+22	2,543046E+22	2,587515E+22	2,587509E+22	2,543063E+22	2,410722E+22	2,176196E+22	1,902360E+22	1,712325E+22	1,712327E+22	1,902367E+22	2,176205E+22
390	2,410724E+22	2,543070E+22	2,587514E+22	2,587481E+22	2,542988E+22	2,410650E+22	2,176180E+22	1,902391E+22	1,712373E+22	1,712363E+22	1,902360E+22	2,176138E+22
391	2,410622E+22	2,542948E+22	2,587395E+22	2,587437E+22	2,543006E+22	2,410681E+22	2,176218E+22	1,902445E+22	1,712435E+22	1,712417E+22	1,902398E+22	2,176163E+22
392	2,410670E+22	2,543071E+22	2,587548E+22	2,587545E+22	2,543064E+22	2,410687E+22	2,176188E+22	1,902422E+22	1,712447E+22	1,712461E+22	1,902461E+22	2,176211E+22
393	2,410652E+22	2,542980E+22	2,587434E+22	2,587427E+22	2,542981E+22	2,410669E+22	2,176217E+22	1,902464E+22	1,712480E+22	1,712480E+22	1,902457E+22	2,176187E+22
394	2,410609E+22	2,542921E+22	2,587410E+22	2,587467E+22	2,543030E+22	2,410704E+22	2,176239E+22	1,902478E+22	1,712493E+22	1,712491E+22	1,902476E+22	2,176249E+22
395	2,410742E+22	2,543087E+22	2,587522E+22	2,587504E+22	2,543017E+22	2,410662E+22	2,176198E+22	1,902454E+22	1,712488E+22	1,712505E+22	1,902497E+22	2,176239E+22
396	2,410673E+22	2,542975E+22	2,587384E+22	2,587372E+22	2,542947E+22	2,410657E+22	2,176234E+22	1,902505E+22	1,712524E+22	1,712505E+22	1,902461E+22	2,176187E+22
397	2,410643E+22	2,543015E+22	2,587513E+22	2,587512E+22	2,543033E+22	2,410691E+22	2,176225E+22	1,902474E+22	1,712497E+22	1,712494E+22	1,902472E+22	2,176235E+22
398	2,410715E+22	2,543064E+22	2,587533E+22	2,587524E+22	2,543016E+22	2,410644E+22	2,176182E+22	1,902446E+22	1,712481E+22	1,712489E+22	1,902460E+22	2,176185E+22
399	2,410621E+22	2,542929E+22	2,587365E+22	2,587412E+22	2,543007E+22	2,410688E+22	2,176224E+22	1,902462E+22	1,712472E+22	1,712465E+22	1,902443E+22	2,176188E+22
400	2,410659E+22	2,543040E+22	2,587520E+22	2,587518E+22	2,543063E+22	2,410711E+22	2,176211E+22	1,902425E+22	1,712429E+22	1,712432E+22	1,902441E+22	2,176224E+22
401	2,410687E+22	2,543009E+22	2,587450E+22	2,587428E+22	2,542969E+22	2,410661E+22	2,176212E+22	1,902439E+22	1,712425E+22	1,712406E+22	1,902389E+22	2,176153E+22
402	2,410616E+22	2,542933E+22	2,587395E+22	2,587437E+22	2,542998E+22	2,410671E+22	2,176209E+22	1,902433E+22	1,712415E+22	1,712393E+22	1,902382E+22	2,176172E+22
403	2,410701E+22	2,543091E+22	2,587543E+22	2,587528E+22	2,543038E+22	2,410653E+22	2,176153E+22	1,902372E+22	1,712378E+22	1,712395E+22	1,902418E+22	2,176190E+22
404	2,410643E+22	2,542973E+22	2,587405E+22	2,587392E+22	2,542961E+22	2,410647E+22	2,176178E+22	1,902398E+22	1,712388E+22	1,712384E+22	1,902389E+22	2,176156E+22
405	2,410609E+22	2,542957E+22	2,587461E+22	2,587490E+22	2,543038E+22	2,410698E+22	2,176194E+22	1,902382E+22	1,712364E+22	1,712367E+22	1,902394E+22	2,176213E+22
406	2,410724E+22	2,543065E+22	2,587517E+22	2,587520E+22	2,543032E+22	2,410658E+22	2,176164E+22	1,902373E+22	1,712367E+22	1,712379E+22	1,902395E+22	2,176180E+22
407	2,410658E+22	2,542966E+22	2,587353E+22	2,587366E+22	2,542972E+22	2,410669E+22	2,176204E+22	1,902424E+22	1,712411E+22	1,712397E+22	1,902388E+22	2,176158E+22
408	2,410650E+22	2,543045E+22	2,587525E+22	2,587504E+22	2,543036E+22	2,410693E+22	2,176207E+22	1,902430E+22	1,712430E+22	1,712421E+22	1,902418E+22	2,176203E+22
409	2,410687E+22	2,543036E+22	2,587502E+22	2,587480E+22	2,542984E+22	2,410640E+22	2,176195E+22	1,902455E+22	1,712475E+22	1,712469E+22	1,902435E+22	2,176162E+22
410	2,410594E+22	2,542906E+22	2,587380E+22	2,587439E+22	2,543001E+22	2,410666E+22	2,176215E+22	1,902481E+22	1,712510E+22	1,712504E+22	1,902466E+22	2,176198E+22
411	2,410666E+22	2,543039E+22	2,587519E+22	2,587530E+22	2,543062E+22	2,410692E+22	2,176205E+22	1,902457E+22	1,712503E+22	1,712533E+22	1,902530E+22	2,176261E+22
412	2,410671E+22	2,542968E+22	2,587395E+22	2,587378E+22	2,542943E+22	2,410656E+22	2,176239E+22	1,902519E+22	1,712554E+22	1,712550E+22	1,902506E+22	2,176216E+22
413	2,410628E+22	2,542941E+22	2,587415E+22	2,587434E+22	2,542989E+22	2,410687E+22	2,176258E+22	1,902534E+22	1,712568E+22	1,712553E+22	1,902503E+22	2,176244E+22
414	2,410727E+22	2,543085E+22	2,587541E+22	2,587520E+22	2,543014E+22	2,410647E+22	2,176209E+22	1,902509E+22	1,712572E+22	1,712578E+22	1,902523E+22	2,176225E+22
415	2,410659E+22	2,542975E+22	2,587389E+22	2,587373E+22	2,542941E+22	2,410639E+22	2,176228E+22	1,902536E+22	1,712591E+22	1,712581E+22	1,902510E+22	2,176195E+22
416	2,410617E+22	2,542988E+22	2,587508E+22	2,587519E+22	2,543041E+22	2,410690E+22	2,176234E+22	1,902516E+22	1,712565E+22	1,712559E+22	1,902514E+22	2,176245E+22
417	2,410692E+22	2,543021E+22	2,587497E+22	2,587505E+22	2,543017E+22	2,410662E+22	2,176218E+22	1,902500E+22	1,712547E+22	1,712551E+22	1,902503E+22	2,176204E+22
418	2,410613E+22	2,542903E+22	2,587346E+22	2,587392E+22	2,542985E+22	2,410676E+22	2,176240E+22	1,902510E+22	1,712534E+22	1,712518E+22	1,902472E+22	2,176199E+22
419	2,410659E+22	2,543032E+22	2,587513E+22	2,587501E+22	2,543044E+22	2,410702E+22	2,176225E+22	1,902466E+22	1,712489E+22	1,712496E+22	1,902486E+22	2,176237E+22
420	2,410681E+22	2,543000E+22	2,587439E+22	2,587399E+22	2,542927E+22	2,410630E+22	2,176216E+22	1,902487E+22	1,712504E+22	1,712489E+22	1,902444E+22	2,176167E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
421	2,410604E+22	2,542925E+22	2,587401E+22	2,587432E+22	2,542984E+22	2,410654E+22	2,176206E+22	1,902467E+22	1,712483E+22	1,712468E+22	1,902433E+22	2,176187E+22
422	2,410682E+22	2,543059E+22	2,587533E+22	2,587539E+22	2,543056E+22	2,410658E+22	2,176158E+22	1,902405E+22	1,712442E+22	1,712464E+22	1,902462E+22	2,176213E+22
423	2,410658E+22	2,542966E+22	2,587379E+22	2,587361E+22	2,542945E+22	2,410644E+22	2,176188E+22	1,902428E+22	1,712440E+22	1,712444E+22	1,902436E+22	2,176187E+22
424	2,410624E+22	2,542962E+22	2,587458E+22	2,587475E+22	2,543018E+22	2,410684E+22	2,176213E+22	1,902442E+22	1,712438E+22	1,712424E+22	1,902419E+22	2,176215E+22
425	2,410718E+22	2,543060E+22	2,587511E+22	2,587502E+22	2,543012E+22	2,410650E+22	2,176190E+22	1,902441E+22	1,712457E+22	1,712455E+22	1,902431E+22	2,176174E+22
426	2,410630E+22	2,542948E+22	2,587373E+22	2,587378E+22	2,542954E+22	2,410643E+22	2,176208E+22	1,902477E+22	1,712498E+22	1,712481E+22	1,902434E+22	2,176156E+22
427	2,410617E+22	2,543011E+22	2,587523E+22	2,587520E+22	2,543050E+22	2,410693E+22	2,176214E+22	1,902467E+22	1,712504E+22	1,712514E+22	1,902493E+22	2,176226E+22
428	2,410662E+22	2,542990E+22	2,587459E+22	2,587447E+22	2,542970E+22	2,410643E+22	2,176217E+22	1,902508E+22	1,712559E+22	1,712563E+22	1,902510E+22	2,176202E+22
429	2,410597E+22	2,542885E+22	2,587351E+22	2,587400E+22	2,542981E+22	2,410673E+22	2,176246E+22	1,902538E+22	1,712586E+22	1,712576E+22	1,902517E+22	2,176227E+22
430	2,410675E+22	2,543026E+22	2,587499E+22	2,587510E+22	2,543048E+22	2,410687E+22	2,176231E+22	1,902523E+22	1,712590E+22	1,712605E+22	1,902562E+22	2,176273E+22
431	2,410696E+22	2,542991E+22	2,587393E+22	2,587344E+22	2,542900E+22	2,410626E+22	2,176243E+22	1,902567E+22	1,712635E+22	1,712629E+22	1,902552E+22	2,176226E+22
432	2,410626E+22	2,542952E+22	2,587443E+22	2,587444E+22	2,542965E+22	2,410649E+22	2,176256E+22	1,902589E+22	1,712654E+22	1,712632E+22	1,902544E+22	2,176239E+22
433	2,410695E+22	2,543057E+22	2,587539E+22	2,587533E+22	2,543024E+22	2,410644E+22	2,176217E+22	1,902555E+22	1,712651E+22	1,712662E+22	1,902580E+22	2,176236E+22
434	2,410625E+22	2,542935E+22	2,587385E+22	2,587384E+22	2,542949E+22	2,410643E+22	2,176233E+22	1,902563E+22	1,712647E+22	1,712645E+22	1,902558E+22	2,176216E+22
435	2,410608E+22	2,542954E+22	2,587479E+22	2,587505E+22	2,543045E+22	2,410708E+22	2,176261E+22	1,902549E+22	1,712610E+22	1,712616E+22	1,902562E+22	2,176267E+22
436	2,410694E+22	2,543002E+22	2,587457E+22	2,587454E+22	2,542980E+22	2,410656E+22	2,176247E+22	1,902560E+22	1,712620E+22	1,712614E+22	1,902540E+22	2,176219E+22
437	2,410619E+22	2,542909E+22	2,587343E+22	2,587359E+22	2,542946E+22	2,410658E+22	2,176253E+22	1,902562E+22	1,712608E+22	1,712581E+22	1,902499E+22	2,176194E+22
438	2,410641E+22	2,543017E+22	2,587516E+22	2,587508E+22	2,543035E+22	2,410682E+22	2,176227E+22	1,902512E+22	1,712567E+22	1,712570E+22	1,902520E+22	2,176238E+22
439	2,410678E+22	2,542993E+22	2,587433E+22	2,587391E+22	2,542914E+22	2,410609E+22	2,176201E+22	1,902506E+22	1,712563E+22	1,712565E+22	1,902505E+22	2,176194E+22
440	2,410599E+22	2,542908E+22	2,587396E+22	2,587432E+22	2,542978E+22	2,410643E+22	2,176209E+22	1,902500E+22	1,712540E+22	1,712527E+22	1,902478E+22	2,176208E+22
441	2,410676E+22	2,543033E+22	2,587508E+22	2,587524E+22	2,543057E+22	2,410673E+22	2,176189E+22	1,902455E+22	1,712504E+22	1,712524E+22	1,902502E+22	2,176231E+22
442	2,410657E+22	2,542959E+22	2,587382E+22	2,587353E+22	2,542927E+22	2,410635E+22	2,176201E+22	1,902472E+22	1,712504E+22	1,712499E+22	1,902461E+22	2,176189E+22
443	2,410621E+22	2,542956E+22	2,587458E+22	2,587467E+22	2,543006E+22	2,410684E+22	2,176234E+22	1,902490E+22	1,712510E+22	1,712498E+22	1,902462E+22	2,176211E+22
444	2,410694E+22	2,543039E+22	2,587500E+22	2,587485E+22	2,542986E+22	2,410635E+22	2,176209E+22	1,902505E+22	1,712554E+22	1,712552E+22	1,902492E+22	2,176186E+22
445	2,410606E+22	2,542920E+22	2,587362E+22	2,587369E+22	2,542946E+22	2,410637E+22	2,176216E+22	1,902528E+22	1,712586E+22	1,712574E+22	1,902498E+22	2,176177E+22
446	2,410597E+22	2,542964E+22	2,587488E+22	2,587510E+22	2,543054E+22	2,410703E+22	2,176236E+22	1,902519E+22	1,712588E+22	1,712601E+22	1,902551E+22	2,176260E+22
447	2,410684E+22	2,542981E+22	2,587423E+22	2,587398E+22	2,542930E+22	2,410628E+22	2,176229E+22	1,902551E+22	1,712631E+22	1,712643E+22	1,902572E+22	2,176240E+22
448	2,410621E+22	2,542898E+22	2,587351E+22	2,587376E+22	2,542937E+22	2,410638E+22	2,176256E+22	1,902601E+22	1,712670E+22	1,712646E+22	1,902552E+22	2,176234E+22
449	2,410676E+22	2,543032E+22	2,587506E+22	2,587502E+22	2,543023E+22	2,410667E+22	2,176243E+22	1,902583E+22	1,712681E+22	1,712688E+22	1,902602E+22	2,176268E+22
450	2,410670E+22	2,542985E+22	2,587428E+22	2,587374E+22	2,542892E+22	2,410599E+22	2,176234E+22	1,902603E+22	1,712709E+22	1,712706E+22	1,902594E+22	2,176223E+22
451	2,410597E+22	2,542924E+22	2,587447E+22	2,587473E+22	2,542995E+22	2,410663E+22	2,176264E+22	1,902615E+22	1,712713E+22	1,712710E+22	1,902605E+22	2,176250E+22
452	2,410666E+22	2,543013E+22	2,587504E+22	2,587513E+22	2,543023E+22	2,410666E+22	2,176252E+22	1,902606E+22	1,712721E+22	1,712737E+22	1,902638E+22	2,176262E+22
453	2,410619E+22	2,542906E+22	2,587352E+22	2,587356E+22	2,542939E+22	2,410661E+22	2,176270E+22	1,902621E+22	1,712716E+22	1,712706E+22	1,902596E+22	2,176231E+22
454	2,410607E+22	2,542931E+22	2,587446E+22	2,587480E+22	2,543032E+22	2,410713E+22	2,176293E+22	1,902613E+22	1,712691E+22	1,712681E+22	1,902589E+22	2,176274E+22
455	2,410708E+22	2,543008E+22	2,587440E+22	2,587409E+22	2,542927E+22	2,410624E+22	2,176250E+22	1,902604E+22	1,712696E+22	1,712693E+22	1,902592E+22	2,176233E+22
456	2,410618E+22	2,542914E+22	2,587360E+22	2,587362E+22	2,542911E+22	2,410611E+22	2,176242E+22	1,902606E+22	1,712682E+22	1,712655E+22	1,902547E+22	2,176203E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410624E+22	2,542995E+22	2,587506E+22	2,587511E+22	2,543032E+22	2,410668E+22	2,176220E+22	1,902540E+22	1,712631E+22	1,712644E+22	1,902578E+22	2,176261E+22
458	2,410662E+22	2,542968E+22	2,587431E+22	2,587396E+22	2,542911E+22	2,410602E+22	2,176196E+22	1,902517E+22	1,712600E+22	1,712614E+22	1,902548E+22	2,176221E+22
459	2,410609E+22	2,542898E+22	2,587384E+22	2,587428E+22	2,542981E+22	2,410657E+22	2,176228E+22	1,902522E+22	1,712575E+22	1,712572E+22	1,902513E+22	2,176218E+22
460	2,410677E+22	2,543028E+22	2,587487E+22	2,587488E+22	2,543023E+22	2,410671E+22	2,176220E+22	1,902515E+22	1,712577E+22	1,712583E+22	1,902529E+22	2,176229E+22
461	2,410649E+22	2,542962E+22	2,587387E+22	2,587343E+22	2,542907E+22	2,410630E+22	2,176222E+22	1,902533E+22	1,712589E+22	1,712571E+22	1,902489E+22	2,176172E+22
462	2,410588E+22	2,542927E+22	2,587451E+22	2,587479E+22	2,543010E+22	2,410681E+22	2,176252E+22	1,902551E+22	1,712606E+22	1,712588E+22	1,902506E+22	2,176208E+22
463	2,410674E+22	2,543009E+22	2,587474E+22	2,587466E+22	2,542970E+22	2,410624E+22	2,176214E+22	1,902548E+22	1,712638E+22	1,712650E+22	1,902569E+22	2,176219E+22
464	2,410597E+22	2,542893E+22	2,587344E+22	2,587357E+22	2,542923E+22	2,410621E+22	2,176233E+22	1,902584E+22	1,712666E+22	1,712656E+22	1,902560E+22	2,176209E+22
465	2,410598E+22	2,542940E+22	2,587454E+22	2,587481E+22	2,543031E+22	2,410700E+22	2,176263E+22	1,902582E+22	1,712673E+22	1,712684E+22	1,902609E+22	2,176286E+22
466	2,410688E+22	2,542983E+22	2,587429E+22	2,587386E+22	2,542899E+22	2,410604E+22	2,176234E+22	1,902597E+22	1,712706E+22	1,712716E+22	1,902616E+22	2,176254E+22
467	2,410627E+22	2,542910E+22	2,587367E+22	2,587380E+22	2,542924E+22	2,410627E+22	2,176264E+22	1,902637E+22	1,712742E+22	1,712730E+22	1,902605E+22	2,176234E+22
468	2,410653E+22	2,543019E+22	2,587509E+22	2,587502E+22	2,543009E+22	2,410656E+22	2,176258E+22	1,902639E+22	1,712771E+22	1,712780E+22	1,902663E+22	2,176281E+22
469	2,410648E+22	2,542958E+22	2,587419E+22	2,587386E+22	2,542910E+22	2,410611E+22	2,176246E+22	1,902645E+22	1,712783E+22	1,712785E+22	1,902648E+22	2,176239E+22
470	2,410577E+22	2,542878E+22	2,587406E+22	2,587468E+22	2,543012E+22	2,410692E+22	2,176301E+22	1,902668E+22	1,712785E+22	1,712778E+22	1,902647E+22	2,176273E+22
471	2,410677E+22	2,542998E+22	2,587463E+22	2,587465E+22	2,542987E+22	2,410660E+22	2,176278E+22	1,902657E+22	1,712788E+22	1,712803E+22	1,902687E+22	2,176290E+22
472	2,410633E+22	2,542912E+22	2,587344E+22	2,587325E+22	2,542884E+22	2,410622E+22	2,176286E+22	1,902685E+22	1,712792E+22	1,712767E+22	1,902625E+22	2,176232E+22
473	2,410599E+22	2,542927E+22	2,587439E+22	2,587461E+22	2,542995E+22	2,410686E+22	2,176301E+22	1,902665E+22	1,712773E+22	1,712759E+22	1,902632E+22	2,176272E+22
474	2,410682E+22	2,543003E+22	2,587463E+22	2,587425E+22	2,542908E+22	2,410585E+22	2,176226E+22	1,902619E+22	1,712750E+22	1,712759E+22	1,902638E+22	2,176242E+22
475	2,410602E+22	2,542897E+22	2,587356E+22	2,587377E+22	2,542925E+22	2,410612E+22	2,176234E+22	1,902608E+22	1,712719E+22	1,712716E+22	1,902600E+22	2,176220E+22
476	2,410611E+22	2,542968E+22	2,587479E+22	2,587494E+22	2,543024E+22	2,410679E+22	2,176244E+22	1,902578E+22	1,712682E+22	1,712699E+22	1,902622E+22	2,176286E+22
477	2,410667E+22	2,542957E+22	2,587412E+22	2,587386E+22	2,542910E+22	2,410614E+22	2,176223E+22	1,902565E+22	1,712656E+22	1,712658E+22	1,902568E+22	2,176223E+22
478	2,410605E+22	2,542887E+22	2,587366E+22	2,587417E+22	2,542977E+22	2,410669E+22	2,176266E+22	1,902588E+22	1,712653E+22	1,712631E+22	1,902530E+22	2,176209E+22
479	2,410671E+22	2,543028E+22	2,587481E+22	2,587462E+22	2,542982E+22	2,410648E+22	2,176236E+22	1,902571E+22	1,712663E+22	1,712669E+22	1,902580E+22	2,176231E+22
480	2,410626E+22	2,542948E+22	2,587393E+22	2,587351E+22	2,542879E+22	2,410592E+22	2,176228E+22	1,902595E+22	1,712682E+22	1,712664E+22	1,902550E+22	2,176181E+22
481	2,410557E+22	2,542885E+22	2,587417E+22	2,587469E+22	2,543008E+22	2,410679E+22	2,176262E+22	1,902599E+22	1,712694E+22	1,712689E+22	1,902584E+22	2,176240E+22
482	2,410655E+22	2,542978E+22	2,587453E+22	2,587450E+22	2,542951E+22	2,410613E+22	2,176217E+22	1,902578E+22	1,712699E+22	1,712726E+22	1,902635E+22	2,176261E+22
483	2,410617E+22	2,542890E+22	2,587324E+22	2,587338E+22	2,542906E+22	2,410617E+22	2,176246E+22	1,902617E+22	1,712725E+22	1,712727E+22	1,902614E+22	2,176233E+22
484	2,410610E+22	2,542948E+22	2,587444E+22	2,587449E+22	2,542988E+22	2,410678E+22	2,176284E+22	1,902645E+22	1,712759E+22	1,712761E+22	1,902653E+22	2,176298E+22
485	2,410687E+22	2,542992E+22	2,587444E+22	2,587396E+22	2,542890E+22	2,410591E+22	2,176244E+22	1,902650E+22	1,712790E+22	1,712793E+22	1,902654E+22	2,176247E+22
486	2,410602E+22	2,542893E+22	2,587372E+22	2,587407E+22	2,542945E+22	2,410637E+22	2,176285E+22	1,902693E+22	1,712828E+22	1,712811E+22	1,902649E+22	2,176237E+22
487	2,410633E+22	2,542991E+22	2,587485E+22	2,587488E+22	2,543003E+22	2,410661E+22	2,176278E+22	1,902685E+22	1,712847E+22	1,712866E+22	1,902729E+22	2,176308E+22
488	2,410637E+22	2,542932E+22	2,587399E+22	2,587377E+22	2,542895E+22	2,410610E+22	2,176283E+22	1,902713E+22	1,712860E+22	1,712855E+22	1,902695E+22	2,176259E+22
489	2,410573E+22	2,542852E+22	2,587362E+22	2,587432E+22	2,542991E+22	2,410692E+22	2,176334E+22	1,902735E+22	1,712870E+22	1,712853E+22	1,902693E+22	2,176284E+22
490	2,410664E+22	2,542992E+22	2,587456E+22	2,587437E+22	2,542945E+22	2,410630E+22	2,176281E+22	1,902700E+22	1,712857E+22	1,712869E+22	1,902726E+22	2,176301E+22
491	2,410633E+22	2,542919E+22	2,587354E+22	2,587323E+22	2,542860E+22	2,410595E+22	2,176280E+22	1,902709E+22	1,712853E+22	1,712843E+22	1,902676E+22	2,176236E+22
492	2,410577E+22	2,542913E+22	2,587436E+22	2,587453E+22	2,542967E+22	2,410654E+22	2,176296E+22	1,902701E+22	1,712842E+22	1,712836E+22	1,902691E+22	2,176293E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410668E+22	2,542981E+22	2,587449E+22	2,587435E+22	2,542924E+22	2,410588E+22	2,176223E+22	1,902638E+22	1,712798E+22	1,712816E+22	1,902681E+22	2,176263E+22
494	2,410597E+22	2,542875E+22	2,587332E+22	2,587374E+22	2,542941E+22	2,410637E+22	2,176262E+22	1,902643E+22	1,712764E+22	1,712757E+22	1,902625E+22	2,176238E+22
495	2,410625E+22	2,542966E+22	2,587453E+22	2,587456E+22	2,542993E+22	2,410672E+22	2,176268E+22	1,902624E+22	1,712739E+22	1,712748E+22	1,902651E+22	2,176296E+22
496	2,410671E+22	2,542968E+22	2,587419E+22	2,587379E+22	2,542874E+22	2,410587E+22	2,176247E+22	1,902631E+22	1,712732E+22	1,712715E+22	1,902587E+22	2,176209E+22
497	2,410580E+22	2,542873E+22	2,587357E+22	2,587411E+22	2,542960E+22	2,410654E+22	2,176283E+22	1,902650E+22	1,712746E+22	1,712720E+22	1,902578E+22	2,176198E+22
498	2,410620E+22	2,542999E+22	2,587486E+22	2,587473E+22	2,542974E+22	2,410626E+22	2,176230E+22	1,902604E+22	1,712735E+22	1,712754E+22	1,902644E+22	2,176251E+22
499	2,410605E+22	2,542917E+22	2,587373E+22	2,587351E+22	2,542887E+22	2,410597E+22	2,176233E+22	1,902617E+22	1,712744E+22	1,712752E+22	1,902624E+22	2,176214E+22
500	2,410547E+22	2,542855E+22	2,587378E+22	2,587432E+22	2,542980E+22	2,410676E+22	2,176292E+22	1,902656E+22	1,712771E+22	1,712770E+22	1,902651E+22	2,176284E+22
501	2,410673E+22	2,542973E+22	2,587427E+22	2,587427E+22	2,542940E+22	2,410610E+22	2,176237E+22	1,902631E+22	1,712774E+22	1,712793E+22	1,902676E+22	2,176281E+22
502	2,410629E+22	2,542898E+22	2,587318E+22	2,587326E+22	2,542895E+22	2,410618E+22	2,176276E+22	1,902681E+22	1,712811E+22	1,712796E+22	1,902646E+22	2,176240E+22
503	2,410616E+22	2,542960E+22	2,587453E+22	2,587438E+22	2,542953E+22	2,410649E+22	2,176294E+22	1,902701E+22	1,712849E+22	1,712851E+22	1,902710E+22	2,176310E+22
504	2,410672E+22	2,542986E+22	2,587460E+22	2,587419E+22	2,542878E+22	2,410562E+22	2,176254E+22	1,902710E+22	1,712878E+22	1,712880E+22	1,902708E+22	2,176254E+22
505	2,410570E+22	2,542853E+22	2,587342E+22	2,587403E+22	2,542955E+22	2,410651E+22	2,176309E+22	1,902747E+22	1,712914E+22	1,712904E+22	1,902716E+22	2,176256E+22
506	2,410603E+22	2,542958E+22	2,587466E+22	2,587470E+22	2,542987E+22	2,410658E+22	2,176294E+22	1,902724E+22	1,712908E+22	1,712933E+22	1,902780E+22	2,176335E+22
507	2,410643E+22	2,542923E+22	2,587375E+22	2,587348E+22	2,542871E+22	2,410602E+22	2,176299E+22	1,902753E+22	1,712927E+22	1,712925E+22	1,902738E+22	2,176268E+22
508	2,410569E+22	2,542850E+22	2,587345E+22	2,587390E+22	2,542940E+22	2,410663E+22	2,176351E+22	1,902797E+22	1,712956E+22	1,712930E+22	1,902736E+22	2,176294E+22
509	2,410656E+22	2,542987E+22	2,587456E+22	2,587440E+22	2,542934E+22	2,410604E+22	2,176274E+22	1,902738E+22	1,712929E+22	1,712939E+22	1,902764E+22	2,176302E+22
510	2,410611E+22	2,542901E+22	2,587354E+22	2,587341E+22	2,542876E+22	2,410595E+22	2,176284E+22	1,902741E+22	1,712913E+22	1,712904E+22	1,902717E+22	2,176253E+22
511	2,410569E+22	2,542893E+22	2,587420E+22	2,587441E+22	2,542958E+22	2,410648E+22	2,176301E+22	1,902726E+22	1,712892E+22	1,712898E+22	1,902745E+22	2,176325E+22
512	2,410669E+22	2,542967E+22	2,587440E+22	2,587432E+22	2,542912E+22	2,410584E+22	2,176252E+22	1,902688E+22	1,712850E+22	1,712861E+22	1,902709E+22	2,176274E+22
513	2,410594E+22	2,542862E+22	2,587304E+22	2,587351E+22	2,542934E+22	2,410646E+22	2,176296E+22	1,902703E+22	1,712837E+22	1,712819E+22	1,902656E+22	2,176233E+22
514	2,410601E+22	2,542962E+22	2,587457E+22	2,587438E+22	2,542965E+22	2,410655E+22	2,176280E+22	1,902669E+22	1,712806E+22	1,712811E+22	1,902682E+22	2,176294E+22
515	2,410655E+22	2,542963E+22	2,587425E+22	2,587381E+22	2,542864E+22	2,410570E+22	2,176250E+22	1,902669E+22	1,712807E+22	1,712801E+22	1,902640E+22	2,176211E+22
516	2,410548E+22	2,542843E+22	2,587337E+22	2,587395E+22	2,542941E+22	2,410634E+22	2,176290E+22	1,902701E+22	1,712833E+22	1,712813E+22	1,902651E+22	2,176233E+22
517	2,410606E+22	2,542957E+22	2,587447E+22	2,587464E+22	2,542985E+22	2,410629E+22	2,176236E+22	1,902639E+22	1,712801E+22	1,712829E+22	1,902705E+22	2,176290E+22
518	2,410613E+22	2,542898E+22	2,587344E+22	2,587330E+22	2,542884E+22	2,410609E+22	2,176264E+22	1,902666E+22	1,712807E+22	1,712810E+22	1,902669E+22	2,176252E+22
519	2,410576E+22	2,542865E+22	2,587361E+22	2,587385E+22	2,542927E+22	2,410645E+22	2,176306E+22	1,902710E+22	1,712846E+22	1,712839E+22	1,902696E+22	2,176308E+22
520	2,410688E+22	2,542997E+22	2,587449E+22	2,587423E+22	2,542900E+22	2,410575E+22	2,176254E+22	1,902698E+22	1,712861E+22	1,712865E+22	1,902706E+22	2,176273E+22
521	2,410611E+22	2,542897E+22	2,587331E+22	2,587337E+22	2,542890E+22	2,410603E+22	2,176286E+22	1,902740E+22	1,712907E+22	1,712890E+22	1,902695E+22	2,176227E+22
522	2,410565E+22	2,542934E+22	2,587462E+22	2,587454E+22	2,542958E+22	2,410638E+22	2,176293E+22	1,902738E+22	1,712923E+22	1,712934E+22	1,902767E+22	2,176323E+22
523	2,410647E+22	2,542953E+22	2,587444E+22	2,587426E+22	2,542898E+22	2,410580E+22	2,176271E+22	1,902746E+22	1,712949E+22	1,712965E+22	1,902770E+22	2,176274E+22
524	2,410551E+22	2,542815E+22	2,587301E+22	2,587364E+22	2,542933E+22	2,410654E+22	2,176349E+22	1,902817E+22	1,713000E+22	1,712985E+22	1,902775E+22	2,176288E+22
525	2,410603E+22	2,542931E+22	2,587428E+22	2,587443E+22	2,542977E+22	2,410656E+22	2,176318E+22	1,902784E+22	1,712989E+22	1,713003E+22	1,902819E+22	2,176348E+22
526	2,410645E+22	2,542922E+22	2,587366E+22	2,587327E+22	2,542851E+22	2,410595E+22	2,176322E+22	1,902813E+22	1,713008E+22	1,712995E+22	1,902777E+22	2,176282E+22
527	2,410568E+22	2,542849E+22	2,587346E+22	2,587368E+22	2,542894E+22	2,410617E+22	2,176344E+22	1,902840E+22	1,713035E+22	1,713016E+22	1,902797E+22	2,176316E+22
528	2,410649E+22	2,542978E+22	2,587465E+22	2,587452E+22	2,542921E+22	2,410576E+22	2,176271E+22	1,902775E+22	1,712994E+22	1,713009E+22	1,902814E+22	2,176320E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410598E+22	2,542873E+22	2,587330E+22	2,587335E+22	2,542887E+22	2,410606E+22	2,176297E+22	1,902772E+22	1,712971E+22	1,712969E+22	1,902766E+22	2,176271E+22
530	2,410557E+22	2,542879E+22	2,587410E+22	2,587424E+22	2,542945E+22	2,410645E+22	2,176312E+22	1,902752E+22	1,712929E+22	1,712936E+22	1,902772E+22	2,176344E+22
531	2,410682E+22	2,542972E+22	2,587435E+22	2,587418E+22	2,542902E+22	2,410580E+22	2,176265E+22	1,902724E+22	1,712905E+22	1,712912E+22	1,902729E+22	2,176266E+22
532	2,410579E+22	2,542857E+22	2,587301E+22	2,587324E+22	2,542900E+22	2,410628E+22	2,176318E+22	1,902766E+22	1,712920E+22	1,712891E+22	1,902692E+22	2,176232E+22
533	2,410575E+22	2,542935E+22	2,587450E+22	2,587448E+22	2,542970E+22	2,410642E+22	2,176282E+22	1,902712E+22	1,712882E+22	1,712885E+22	1,902722E+22	2,176291E+22
534	2,410625E+22	2,542931E+22	2,587409E+22	2,587382E+22	2,542879E+22	2,410581E+22	2,176266E+22	1,902713E+22	1,712878E+22	1,712873E+22	1,902695E+22	2,176240E+22
535	2,410542E+22	2,542814E+22	2,587308E+22	2,587362E+22	2,542915E+22	2,410622E+22	2,176302E+22	1,902744E+22	1,712903E+22	1,712892E+22	1,902718E+22	2,176279E+22
536	2,410624E+22	2,542949E+22	2,587432E+22	2,587440E+22	2,542950E+22	2,410609E+22	2,176261E+22	1,902697E+22	1,712872E+22	1,712892E+22	1,902745E+22	2,176312E+22
537	2,410623E+22	2,542895E+22	2,587326E+22	2,587304E+22	2,542864E+22	2,410601E+22	2,176285E+22	1,902727E+22	1,712893E+22	1,712887E+22	1,902710E+22	2,176253E+22
538	2,410563E+22	2,542878E+22	2,587386E+22	2,587379E+22	2,542896E+22	2,410615E+22	2,176304E+22	1,902751E+22	1,712920E+22	1,712912E+22	1,902736E+22	2,176310E+22
539	2,410674E+22	2,542997E+22	2,587471E+22	2,587443E+22	2,542899E+22	2,410556E+22	2,176248E+22	1,902736E+22	1,712944E+22	1,712959E+22	1,902760E+22	2,176271E+22
540	2,410572E+22	2,542863E+22	2,587320E+22	2,587335E+22	2,542892E+22	2,410602E+22	2,176303E+22	1,902797E+22	1,713000E+22	1,712989E+22	1,902768E+22	2,176256E+22
541	2,410543E+22	2,542880E+22	2,587421E+22	2,587450E+22	2,542982E+22	2,410657E+22	2,176315E+22	1,902784E+22	1,712997E+22	1,713012E+22	1,902821E+22	2,176348E+22
542	2,410643E+22	2,542925E+22	2,587407E+22	2,587397E+22	2,542896E+22	2,410601E+22	2,176316E+22	1,902812E+22	1,713024E+22	1,713028E+22	1,902814E+22	2,176307E+22
543	2,410565E+22	2,542811E+22	2,587277E+22	2,587311E+22	2,542875E+22	2,410623E+22	2,176367E+22	1,902882E+22	1,713087E+22	1,713064E+22	1,902825E+22	2,176312E+22
544	2,410613E+22	2,542938E+22	2,587436E+22	2,587425E+22	2,542927E+22	2,410618E+22	2,176332E+22	1,902847E+22	1,713075E+22	1,713080E+22	1,902857E+22	2,176347E+22
545	2,410629E+22	2,542910E+22	2,587369E+22	2,587331E+22	2,542841E+22	2,410576E+22	2,176323E+22	1,902857E+22	1,713091E+22	1,713084E+22	1,902832E+22	2,176282E+22
546	2,410537E+22	2,542835E+22	2,587356E+22	2,587376E+22	2,542891E+22	2,410600E+22	2,176328E+22	1,902854E+22	1,713085E+22	1,713081E+22	1,902849E+22	2,176340E+22
547	2,410645E+22	2,542962E+22	2,587458E+22	2,587456E+22	2,542935E+22	2,410586E+22	2,176277E+22	1,902795E+22	1,713043E+22	1,713070E+22	1,902855E+22	2,176335E+22
548	2,410593E+22	2,542854E+22	2,587309E+22	2,587309E+22	2,542874E+22	2,410613E+22	2,176329E+22	1,902828E+22	1,713036E+22	1,713024E+22	1,902801E+22	2,176288E+22
549	2,410559E+22	2,542858E+22	2,587384E+22	2,587412E+22	2,542948E+22	2,410651E+22	2,176335E+22	1,902804E+22	1,712995E+22	1,712986E+22	1,902787E+22	2,176335E+22
550	2,410672E+22	2,542970E+22	2,587438E+22	2,587411E+22	2,542894E+22	2,410586E+22	2,176295E+22	1,902783E+22	1,712978E+22	1,712971E+22	1,902760E+22	2,176269E+22
551	2,410562E+22	2,542841E+22	2,587299E+22	2,587304E+22	2,542857E+22	2,410590E+22	2,176317E+22	1,902814E+22	1,713003E+22	1,712979E+22	1,902754E+22	2,176253E+22
552	2,410559E+22	2,542904E+22	2,587436E+22	2,587441E+22	2,542953E+22	2,410626E+22	2,176290E+22	1,902755E+22	1,712955E+22	1,712965E+22	1,902780E+22	2,176316E+22
553	2,410615E+22	2,542897E+22	2,587375E+22	2,587359E+22	2,542874E+22	2,410586E+22	2,176280E+22	1,902750E+22	1,712946E+22	1,712951E+22	1,902754E+22	2,176264E+22
554	2,410543E+22	2,542809E+22	2,587295E+22	2,587329E+22	2,542878E+22	2,410597E+22	2,176301E+22	1,902773E+22	1,712954E+22	1,712946E+22	1,902758E+22	2,176306E+22
555	2,410647E+22	2,542966E+22	2,587438E+22	2,587427E+22	2,542928E+22	2,410589E+22	2,176260E+22	1,902736E+22	1,712943E+22	1,712959E+22	1,902774E+22	2,176309E+22
556	2,410615E+22	2,542899E+22	2,587341E+22	2,587297E+22	2,542836E+22	2,410578E+22	2,176296E+22	1,902786E+22	1,712982E+22	1,712970E+22	1,902754E+22	2,176253E+22
557	2,410538E+22	2,542849E+22	2,587385E+22	2,587407E+22	2,542919E+22	2,410613E+22	2,176309E+22	1,902795E+22	1,712999E+22	1,712992E+22	1,902780E+22	2,176305E+22
558	2,410641E+22	2,542963E+22	2,587460E+22	2,587455E+22	2,542930E+22	2,410588E+22	2,176280E+22	1,902788E+22	1,713019E+22	1,713034E+22	1,902818E+22	2,176298E+22
559	2,410556E+22	2,542822E+22	2,587287E+22	2,587303E+22	2,542869E+22	2,410604E+22	2,176335E+22	1,902860E+22	1,713086E+22	1,713078E+22	1,902837E+22	2,176296E+22
560	2,410551E+22	2,542854E+22	2,587388E+22	2,587416E+22	2,542950E+22	2,410655E+22	2,176358E+22	1,902860E+22	1,713087E+22	1,713090E+22	1,902867E+22	2,176364E+22
561	2,410647E+22	2,542914E+22	2,587379E+22	2,587359E+22	2,542866E+22	2,410595E+22	2,176343E+22	1,902884E+22	1,713125E+22	1,713121E+22	1,902865E+22	2,176310E+22
562	2,410557E+22	2,542821E+22	2,587289E+22	2,587290E+22	2,542826E+22	2,410579E+22	2,176359E+22	1,902923E+22	1,713165E+22	1,713146E+22	1,902878E+22	2,176329E+22
563	2,410612E+22	2,542941E+22	2,587453E+22	2,587437E+22	2,542913E+22	2,410583E+22	2,176310E+22	1,902875E+22	1,713152E+22	1,713167E+22	1,902913E+22	2,176358E+22
564	2,410608E+22	2,542885E+22	2,587362E+22	2,587332E+22	2,542840E+22	2,410569E+22	2,176325E+22	1,902892E+22	1,713159E+22	1,713163E+22	1,902896E+22	2,176315E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
565	2,410534E+22	2,542800E+22	2,587330E+22	2,587382E+22	2,542913E+22	2,410616E+22	2,176341E+22	1,902879E+22	1,713129E+22	1,713129E+22	1,902881E+22	2,176355E+22
566	2,410651E+22	2,542956E+22	2,587440E+22	2,587438E+22	2,542936E+22	2,410611E+22	2,176316E+22	1,902845E+22	1,713092E+22	1,713104E+22	1,902875E+22	2,176346E+22
567	2,410597E+22	2,542854E+22	2,587303E+22	2,587277E+22	2,542830E+22	2,410592E+22	2,176348E+22	1,902887E+22	1,713112E+22	1,713088E+22	1,902831E+22	2,176290E+22
568	2,410552E+22	2,542853E+22	2,587389E+22	2,587404E+22	2,542913E+22	2,410628E+22	2,176352E+22	1,902860E+22	1,713074E+22	1,713056E+22	1,902814E+22	2,176315E+22
569	2,410633E+22	2,542935E+22	2,587424E+22	2,587412E+22	2,542891E+22	2,410578E+22	2,176302E+22	1,902829E+22	1,713062E+22	1,713060E+22	1,902814E+22	2,176265E+22
570	2,410526E+22	2,542813E+22	2,587288E+22	2,587296E+22	2,542844E+22	2,410574E+22	2,176307E+22	1,902832E+22	1,713056E+22	1,713049E+22	1,902816E+22	2,176288E+22
571	2,410563E+22	2,542884E+22	2,587414E+22	2,587425E+22	2,542941E+22	2,410619E+22	2,176290E+22	1,902781E+22	1,713014E+22	1,713033E+22	1,902830E+22	2,176340E+22
572	2,410621E+22	2,542883E+22	2,587350E+22	2,587328E+22	2,542847E+22	2,410579E+22	2,176302E+22	1,902803E+22	1,713018E+22	1,713020E+22	1,902802E+22	2,176292E+22
573	2,410556E+22	2,542802E+22	2,587283E+22	2,587325E+22	2,542874E+22	2,410591E+22	2,176310E+22	1,902814E+22	1,713021E+22	1,713006E+22	1,902784E+22	2,176302E+22
574	2,410643E+22	2,542974E+22	2,587454E+22	2,587432E+22	2,542922E+22	2,410592E+22	2,176284E+22	1,902791E+22	1,713018E+22	1,713026E+22	1,902814E+22	2,176315E+22
575	2,410594E+22	2,542882E+22	2,587347E+22	2,587300E+22	2,542817E+22	2,410555E+22	2,176302E+22	1,902841E+22	1,713074E+22	1,713066E+22	1,902820E+22	2,176275E+22
576	2,410521E+22	2,542812E+22	2,587365E+22	2,587403E+22	2,542918E+22	2,410622E+22	2,176338E+22	1,902851E+22	1,713083E+22	1,713079E+22	1,902838E+22	2,176321E+22
577	2,410623E+22	2,542922E+22	2,587420E+22	2,587430E+22	2,542927E+22	2,410610E+22	2,176321E+22	1,902852E+22	1,713107E+22	1,713124E+22	1,902879E+22	2,176316E+22
578	2,410554E+22	2,542816E+22	2,587268E+22	2,587262E+22	2,542821E+22	2,410582E+22	2,176351E+22	1,902912E+22	1,713162E+22	1,713152E+22	1,902887E+22	2,176323E+22
579	2,410568E+22	2,542865E+22	2,587385E+22	2,587391E+22	2,542909E+22	2,410624E+22	2,176358E+22	1,902914E+22	1,713181E+22	1,713178E+22	1,902909E+22	2,176365E+22
580	2,410636E+22	2,542913E+22	2,587386E+22	2,587348E+22	2,542832E+22	2,410562E+22	2,176346E+22	1,902939E+22	1,713220E+22	1,713217E+22	1,902926E+22	2,176323E+22
581	2,410540E+22	2,542795E+22	2,587286E+22	2,587316E+22	2,542843E+22	2,410566E+22	2,176347E+22	1,902950E+22	1,713232E+22	1,713221E+22	1,902927E+22	2,176338E+22
582	2,410597E+22	2,542924E+22	2,587450E+22	2,587451E+22	2,542937E+22	2,410609E+22	2,176333E+22	1,902910E+22	1,713203E+22	1,713224E+22	1,902964E+22	2,176390E+22
583	2,410604E+22	2,542862E+22	2,587345E+22	2,587316E+22	2,542820E+22	2,410566E+22	2,176348E+22	1,902938E+22	1,713221E+22	1,713224E+22	1,902942E+22	2,176343E+22
584	2,410543E+22	2,542786E+22	2,587308E+22	2,587360E+22	2,542893E+22	2,410625E+22	2,176383E+22	1,902939E+22	1,713196E+22	1,713182E+22	1,902902E+22	2,176347E+22
585	2,410638E+22	2,542946E+22	2,587425E+22	2,587417E+22	2,542920E+22	2,410617E+22	2,176347E+22	1,902905E+22	1,713174E+22	1,713177E+22	1,902905E+22	2,176326E+22
586	2,410569E+22	2,542852E+22	2,587308E+22	2,587262E+22	2,542786E+22	2,410555E+22	2,176344E+22	1,902923E+22	1,713180E+22	1,713161E+22	1,902877E+22	2,176297E+22
587	2,410535E+22	2,542833E+22	2,587380E+22	2,587407E+22	2,542902E+22	2,410602E+22	2,176335E+22	1,902889E+22	1,713150E+22	1,713141E+22	1,902872E+22	2,176327E+22
588	2,410609E+22	2,542896E+22	2,587392E+22	2,587395E+22	2,542881E+22	2,410572E+22	2,176306E+22	1,902861E+22	1,713127E+22	1,713140E+22	1,902885E+22	2,176308E+22
589	2,410532E+22	2,542778E+22	2,587249E+22	2,587285E+22	2,542844E+22	2,410574E+22	2,176313E+22	1,902854E+22	1,713097E+22	1,713096E+22	1,902854E+22	2,176314E+22
590	2,410584E+22	2,542895E+22	2,587405E+22	2,587404E+22	2,542922E+22	2,410623E+22	2,176318E+22	1,902827E+22	1,713061E+22	1,713072E+22	1,902859E+22	2,176360E+22
591	2,410632E+22	2,542896E+22	2,587358E+22	2,587308E+22	2,542800E+22	2,410548E+22	2,176311E+22	1,902855E+22	1,713094E+22	1,713088E+22	1,902838E+22	2,176296E+22
592	2,410552E+22	2,542806E+22	2,587299E+22	2,587332E+22	2,542855E+22	2,410580E+22	2,176330E+22	1,902868E+22	1,713102E+22	1,713082E+22	1,902816E+22	2,176282E+22
593	2,410602E+22	2,542947E+22	2,587449E+22	2,587445E+22	2,542937E+22	2,410605E+22	2,176306E+22	1,902846E+22	1,713108E+22	1,713120E+22	1,902869E+22	2,176308E+22
594	2,410558E+22	2,542854E+22	2,587332E+22	2,587295E+22	2,542808E+22	2,410554E+22	2,176316E+22	1,902884E+22	1,713148E+22	1,713149E+22	1,902885E+22	2,176307E+22
595	2,410520E+22	2,542786E+22	2,587332E+22	2,587385E+22	2,542905E+22	2,410620E+22	2,176357E+22	1,902910E+22	1,713173E+22	1,713167E+22	1,902894E+22	2,176341E+22
596	2,410616E+22	2,542897E+22	2,587384E+22	2,587394E+22	2,542895E+22	2,410602E+22	2,176353E+22	1,902927E+22	1,713207E+22	1,713218E+22	1,902942E+22	2,176345E+22
597	2,410560E+22	2,542803E+22	2,587254E+22	2,587253E+22	2,542799E+22	2,410562E+22	2,176359E+22	1,902963E+22	1,713246E+22	1,713233E+22	1,902934E+22	2,176331E+22
598	2,410567E+22	2,542876E+22	2,587398E+22	2,587390E+22	2,542885E+22	2,410606E+22	2,176370E+22	1,902965E+22	1,713258E+22	1,713258E+22	1,902970E+22	2,176385E+22
599	2,410620E+22	2,542898E+22	2,587390E+22	2,587353E+22	2,542813E+22	2,410533E+22	2,176338E+22	1,902979E+22	1,713302E+22	1,713310E+22	1,902998E+22	2,176357E+22
600	2,410539E+22	2,542775E+22	2,587271E+22	2,587315E+22	2,542846E+22	2,410578E+22	2,176365E+22	1,902982E+22	1,713292E+22	1,713289E+22	1,902974E+22	2,176353E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410586E+22	2,542898E+22	2,587419E+22	2,587432E+22	2,542937E+22	2,410632E+22	2,176371E+22	1,902961E+22	1,713268E+22	1,713285E+22	1,902999E+22	2,176394E+22
602	2,410602E+22	2,542865E+22	2,587333E+22	2,587292E+22	2,542786E+22	2,410550E+22	2,176364E+22	1,902983E+22	1,713279E+22	1,713273E+22	1,902968E+22	2,176350E+22
603	2,410547E+22	2,542793E+22	2,587306E+22	2,587347E+22	2,542864E+22	2,410598E+22	2,176385E+22	1,902990E+22	1,713277E+22	1,713250E+22	1,902927E+22	2,176327E+22
604	2,410601E+22	2,542924E+22	2,587419E+22	2,587411E+22	2,542898E+22	2,410597E+22	2,176357E+22	1,902957E+22	1,713256E+22	1,713261E+22	1,902959E+22	2,176333E+22
605	2,410538E+22	2,542810E+22	2,587289E+22	2,587279E+22	2,542797E+22	2,410545E+22	2,176337E+22	1,902945E+22	1,713235E+22	1,713228E+22	1,902927E+22	2,176312E+22
606	2,410522E+22	2,542812E+22	2,587359E+22	2,587395E+22	2,542902E+22	2,410615E+22	2,176356E+22	1,902921E+22	1,713193E+22	1,713194E+22	1,902928E+22	2,176367E+22
607	2,410612E+22	2,542877E+22	2,587364E+22	2,587365E+22	2,542848E+22	2,410557E+22	2,176322E+22	1,902906E+22	1,713188E+22	1,713201E+22	1,902935E+22	2,176346E+22
608	2,410557E+22	2,542784E+22	2,587232E+22	2,587258E+22	2,542819E+22	2,410573E+22	2,176340E+22	1,902903E+22	1,713161E+22	1,713150E+22	1,902877E+22	2,176311E+22
609	2,410581E+22	2,542903E+22	2,587408E+22	2,587394E+22	2,542904E+22	2,410620E+22	2,176344E+22	1,902885E+22	1,713143E+22	1,713145E+22	1,902890E+22	2,176343E+22
610	2,410611E+22	2,542905E+22	2,587380E+22	2,587317E+22	2,542771E+22	2,410513E+22	2,176307E+22	1,902896E+22	1,713167E+22	1,713165E+22	1,902888E+22	2,176303E+22
611	2,410531E+22	2,542788E+22	2,587297E+22	2,587349E+22	2,542860E+22	2,410566E+22	2,176326E+22	1,902913E+22	1,713192E+22	1,713175E+22	1,902876E+22	2,176288E+22
612	2,410565E+22	2,542900E+22	2,587415E+22	2,587433E+22	2,542939E+22	2,410618E+22	2,176334E+22	1,902900E+22	1,713192E+22	1,713214E+22	1,902944E+22	2,176345E+22
613	2,410552E+22	2,542811E+22	2,587287E+22	2,587279E+22	2,542804E+22	2,410558E+22	2,176341E+22	1,902933E+22	1,713218E+22	1,713220E+22	1,902935E+22	2,176333E+22
614	2,410534E+22	2,542792E+22	2,587313E+22	2,587352E+22	2,542876E+22	2,410618E+22	2,176392E+22	1,902975E+22	1,713250E+22	1,713236E+22	1,902945E+22	2,176368E+22
615	2,410618E+22	2,542900E+22	2,587382E+22	2,587367E+22	2,542840E+22	2,410556E+22	2,176356E+22	1,902988E+22	1,713303E+22	1,713310E+22	1,903000E+22	2,176365E+22
616	2,410557E+22	2,542802E+22	2,587260E+22	2,587252E+22	2,542779E+22	2,410543E+22	2,176366E+22	1,903009E+22	1,713328E+22	1,713319E+22	1,902983E+22	2,176331E+22
617	2,410539E+22	2,542854E+22	2,587396E+22	2,587403E+22	2,542896E+22	2,410611E+22	2,176383E+22	1,903007E+22	1,713335E+22	1,713344E+22	1,903026E+22	2,176392E+22
618	2,410600E+22	2,542883E+22	2,587379E+22	2,587349E+22	2,542803E+22	2,410527E+22	2,176347E+22	1,903009E+22	1,713357E+22	1,713374E+22	1,903051E+22	2,176388E+22
619	2,410545E+22	2,542765E+22	2,587252E+22	2,587304E+22	2,542841E+22	2,410578E+22	2,176385E+22	1,903035E+22	1,713366E+22	1,713352E+22	1,903007E+22	2,176357E+22
620	2,410573E+22	2,542880E+22	2,587394E+22	2,587404E+22	2,542917E+22	2,410634E+22	2,176405E+22	1,903027E+22	1,713350E+22	1,713356E+22	1,903038E+22	2,176400E+22
621	2,410591E+22	2,542845E+22	2,587322E+22	2,587289E+22	2,542772E+22	2,410536E+22	2,176377E+22	1,903031E+22	1,713349E+22	1,713337E+22	1,902998E+22	2,176344E+22
622	2,410529E+22	2,542789E+22	2,587307E+22	2,587344E+22	2,542847E+22	2,410583E+22	2,176399E+22	1,903037E+22	1,713342E+22	1,713319E+22	1,902982E+22	2,176345E+22
623	2,410572E+22	2,542888E+22	2,587399E+22	2,587401E+22	2,542877E+22	2,410568E+22	2,176350E+22	1,902992E+22	1,713328E+22	1,713344E+22	1,903029E+22	2,176373E+22
624	2,410539E+22	2,542786E+22	2,587259E+22	2,587255E+22	2,542789E+22	2,410554E+22	2,176353E+22	1,902971E+22	1,713285E+22	1,713287E+22	1,902974E+22	2,176336E+22
625	2,410526E+22	2,542803E+22	2,587335E+22	2,587366E+22	2,542883E+22	2,410618E+22	2,176383E+22	1,902965E+22	1,713251E+22	1,713249E+22	1,902960E+22	2,176376E+22
626	2,410624E+22	2,542900E+22	2,587366E+22	2,587341E+22	2,542806E+22	2,410524E+22	2,176324E+22	1,902942E+22	1,713244E+22	1,713250E+22	1,902961E+22	2,176356E+22
627	2,410567E+22	2,542807E+22	2,587252E+22	2,587264E+22	2,542799E+22	2,410541E+22	2,176334E+22	1,902950E+22	1,713242E+22	1,713217E+22	1,902901E+22	2,176291E+22
628	2,410541E+22	2,542881E+22	2,587411E+22	2,587408E+22	2,542905E+22	2,410611E+22	2,176357E+22	1,902937E+22	1,713227E+22	1,713231E+22	1,902944E+22	2,176347E+22
629	2,410573E+22	2,542858E+22	2,587367E+22	2,587347E+22	2,542801E+22	2,410521E+22	2,176317E+22	1,902931E+22	1,713233E+22	1,713239E+22	1,902941E+22	2,176318E+22
630	2,410512E+22	2,542761E+22	2,587272E+22	2,587334E+22	2,542863E+22	2,410588E+22	2,176366E+22	1,902966E+22	1,713255E+22	1,713246E+22	1,902942E+22	2,176326E+22
631	2,410552E+22	2,542862E+22	2,587372E+22	2,587395E+22	2,542907E+22	2,410608E+22	2,176365E+22	1,902969E+22	1,713283E+22	1,713300E+22	1,903009E+22	2,176385E+22
632	2,410570E+22	2,542809E+22	2,587261E+22	2,587238E+22	2,542773E+22	2,410555E+22	2,176369E+22	1,902995E+22	1,713306E+22	1,713301E+22	1,902979E+22	2,176340E+22
633	2,410529E+22	2,542794E+22	2,587310E+22	2,587327E+22	2,542839E+22	2,410596E+22	2,176411E+22	1,903041E+22	1,713348E+22	1,713330E+22	1,902995E+22	2,176368E+22
634	2,410607E+22	2,542907E+22	2,587394E+22	2,587367E+22	2,542807E+22	2,410511E+22	2,176343E+22	1,903026E+22	1,713383E+22	1,713398E+22	1,903064E+22	2,176391E+22
635	2,410554E+22	2,542795E+22	2,587262E+22	2,587266E+22	2,542783E+22	2,410522E+22	2,176353E+22	1,903046E+22	1,713409E+22	1,713403E+22	1,903040E+22	2,176348E+22
636	2,410518E+22	2,542820E+22	2,587370E+22	2,587394E+22	2,542901E+22	2,410623E+22	2,176409E+22	1,903054E+22	1,713404E+22	1,713419E+22	1,903085E+22	2,176424E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
637	2,410600E+22	2,542855E+22	2,587356E+22	2,587346E+22	2,542805E+22	2,410533E+22	2,176372E+22	1,903053E+22	1,713411E+22	1,713423E+22	1,903077E+22	2,176395E+22
638	2,410549E+22	2,542775E+22	2,587248E+22	2,587282E+22	2,542821E+22	2,410579E+22	2,176420E+22	1,903096E+22	1,713432E+22	1,713408E+22	1,903040E+22	2,176358E+22
639	2,410549E+22	2,542865E+22	2,587390E+22	2,587387E+22	2,542880E+22	2,410603E+22	2,176416E+22	1,903088E+22	1,713440E+22	1,713439E+22	1,903083E+22	2,176404E+22
640	2,410571E+22	2,542827E+22	2,587313E+22	2,587281E+22	2,542765E+22	2,410530E+22	2,176386E+22	1,903073E+22	1,713425E+22	1,713415E+22	1,903044E+22	2,176343E+22
641	2,410496E+22	2,542757E+22	2,587288E+22	2,587335E+22	2,542849E+22	2,410587E+22	2,176413E+22	1,903078E+22	1,713412E+22	1,713396E+22	1,903036E+22	2,176364E+22
642	2,410566E+22	2,542870E+22	2,587377E+22	2,587377E+22	2,542853E+22	2,410550E+22	2,176352E+22	1,903018E+22	1,713375E+22	1,713400E+22	1,903081E+22	2,176415E+22
643	2,410561E+22	2,542786E+22	2,587246E+22	2,587238E+22	2,542772E+22	2,410535E+22	2,176357E+22	1,903015E+22	1,713349E+22	1,713340E+22	1,903003E+22	2,176347E+22
644	2,410526E+22	2,542802E+22	2,587328E+22	2,587347E+22	2,542864E+22	2,410609E+22	2,176401E+22	1,903015E+22	1,713321E+22	1,713313E+22	1,902996E+22	2,176384E+22
645	2,410616E+22	2,542892E+22	2,587376E+22	2,587354E+22	2,542799E+22	2,410507E+22	2,176328E+22	1,902979E+22	1,713304E+22	1,713308E+22	1,902988E+22	2,176348E+22
646	2,410548E+22	2,542806E+22	2,587268E+22	2,587278E+22	2,542805E+22	2,410538E+22	2,176349E+22	1,902994E+22	1,713307E+22	1,713290E+22	1,902958E+22	2,176305E+22
647	2,410503E+22	2,542834E+22	2,587387E+22	2,587404E+22	2,542903E+22	2,410603E+22	2,176364E+22	1,902984E+22	1,713308E+22	1,713318E+22	1,903011E+22	2,176381E+22
648	2,410566E+22	2,542822E+22	2,587321E+22	2,587311E+22	2,542800E+22	2,410545E+22	2,176352E+22	1,902979E+22	1,713302E+22	1,713311E+22	1,902992E+22	2,176341E+22
649	2,410510E+22	2,542743E+22	2,587239E+22	2,587291E+22	2,542835E+22	2,410590E+22	2,176406E+22	1,903036E+22	1,713339E+22	1,713320E+22	1,902984E+22	2,176342E+22
650	2,410565E+22	2,542872E+22	2,587362E+22	2,587353E+22	2,542848E+22	2,410564E+22	2,176367E+22	1,903022E+22	1,713365E+22	1,713376E+22	1,903054E+22	2,176405E+22
651	2,410580E+22	2,542825E+22	2,587277E+22	2,587234E+22	2,542739E+22	2,410507E+22	2,176359E+22	1,903050E+22	1,713403E+22	1,713390E+22	1,903024E+22	2,176335E+22
652	2,410500E+22	2,542778E+22	2,587317E+22	2,587337E+22	2,542834E+22	2,410576E+22	2,176410E+22	1,903087E+22	1,713436E+22	1,713426E+22	1,903062E+22	2,176386E+22
653	2,410581E+22	2,542870E+22	2,587390E+22	2,587391E+22	2,542828E+22	2,410514E+22	2,176347E+22	1,903056E+22	1,713444E+22	1,713468E+22	1,903114E+22	2,176411E+22
654	2,410548E+22	2,542783E+22	2,587255E+22	2,587264E+22	2,542793E+22	2,410544E+22	2,176391E+22	1,903096E+22	1,713467E+22	1,713466E+22	1,903095E+22	2,176374E+22
655	2,410506E+22	2,542789E+22	2,587341E+22	2,587371E+22	2,542882E+22	2,410620E+22	2,176442E+22	1,903124E+22	1,713491E+22	1,713493E+22	1,903129E+22	2,176443E+22
656	2,410605E+22	2,542850E+22	2,587335E+22	2,587313E+22	2,542792E+22	2,410547E+22	2,176409E+22	1,903119E+22	1,713497E+22	1,713495E+22	1,903109E+22	2,176386E+22
657	2,410526E+22	2,542766E+22	2,587249E+22	2,587263E+22	2,542793E+22	2,410568E+22	2,176446E+22	1,903164E+22	1,713526E+22	1,713496E+22	1,903085E+22	2,176355E+22
658	2,410525E+22	2,542844E+22	2,587385E+22	2,587378E+22	2,542851E+22	2,410563E+22	2,176402E+22	1,903122E+22	1,713515E+22	1,713524E+22	1,903148E+22	2,176435E+22
659	2,410566E+22	2,542805E+22	2,587299E+22	2,587278E+22	2,542761E+22	2,410508E+22	2,176371E+22	1,903103E+22	1,713495E+22	1,713492E+22	1,903102E+22	2,176370E+22
660	2,410489E+22	2,542725E+22	2,587254E+22	2,587308E+22	2,542836E+22	2,410586E+22	2,176426E+22	1,903112E+22	1,713467E+22	1,713460E+22	1,903092E+22	2,176404E+22
661	2,410582E+22	2,542858E+22	2,587364E+22	2,587367E+22	2,542839E+22	2,410539E+22	2,176361E+22	1,903048E+22	1,713416E+22	1,713435E+22	1,903100E+22	2,176427E+22
662	2,410581E+22	2,542814E+22	2,587266E+22	2,587228E+22	2,542750E+22	2,410523E+22	2,176372E+22	1,903054E+22	1,713397E+22	1,713385E+22	1,903028E+22	2,176343E+22
663	2,410504E+22	2,542790E+22	2,587337E+22	2,587349E+22	2,542844E+22	2,410584E+22	2,176405E+22	1,903063E+22	1,713397E+22	1,713384E+22	1,903031E+22	2,176382E+22
664	2,410594E+22	2,542873E+22	2,587372E+22	2,587359E+22	2,542818E+22	2,410524E+22	2,176341E+22	1,903016E+22	1,713371E+22	1,713377E+22	1,903025E+22	2,176339E+22
665	2,410508E+22	2,542767E+22	2,587249E+22	2,587267E+22	2,542811E+22	2,410557E+22	2,176380E+22	1,903048E+22	1,713384E+22	1,713368E+22	1,903007E+22	2,176319E+22
666	2,410491E+22	2,542797E+22	2,587350E+22	2,587369E+22	2,542878E+22	2,410595E+22	2,176384E+22	1,903034E+22	1,713380E+22	1,713391E+22	1,903066E+22	2,176417E+22
667	2,410582E+22	2,542814E+22	2,587297E+22	2,587279E+22	2,542770E+22	2,410522E+22	2,176365E+22	1,903047E+22	1,713395E+22	1,713389E+22	1,903035E+22	2,176354E+22
668	2,410508E+22	2,542736E+22	2,587225E+22	2,587257E+22	2,542797E+22	2,410567E+22	2,176421E+22	1,903100E+22	1,713434E+22	1,713412E+22	1,903041E+22	2,176360E+22
669	2,410559E+22	2,542863E+22	2,587376E+22	2,587360E+22	2,542823E+22	2,410529E+22	2,176362E+22	1,903064E+22	1,713441E+22	1,713456E+22	1,903103E+22	2,176414E+22
670	2,410571E+22	2,542826E+22	2,587300E+22	2,587253E+22	2,542740E+22	2,410492E+22	2,176359E+22	1,903086E+22	1,713473E+22	1,713476E+22	1,903095E+22	2,176359E+22
671	2,410475E+22	2,542740E+22	2,587301E+22	2,587339E+22	2,542840E+22	2,410575E+22	2,176417E+22	1,903128E+22	1,713514E+22	1,713515E+22	1,903130E+22	2,176424E+22
672	2,410587E+22	2,542848E+22	2,587357E+22	2,587364E+22	2,542840E+22	2,410550E+22	2,176384E+22	1,903106E+22	1,713512E+22	1,713534E+22	1,903155E+22	2,176422E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410544E+22	2,542772E+22	2,587241E+22	2,587236E+22	2,542776E+22	2,410556E+22	2,176438E+22	1,903173E+22	1,713556E+22	1,713536E+22	1,903123E+22	2,176377E+22
674	2,410507E+22	2,542785E+22	2,587331E+22	2,587343E+22	2,542839E+22	2,410588E+22	2,176452E+22	1,903185E+22	1,713580E+22	1,713571E+22	1,903168E+22	2,176448E+22
675	2,410596E+22	2,542845E+22	2,587341E+22	2,587311E+22	2,542767E+22	2,410510E+22	2,176407E+22	1,903179E+22	1,713594E+22	1,713584E+22	1,903155E+22	2,176381E+22
676	2,410490E+22	2,542731E+22	2,587238E+22	2,587260E+22	2,542786E+22	2,410555E+22	2,176448E+22	1,903205E+22	1,713606E+22	1,713588E+22	1,903156E+22	2,176382E+22
677	2,410506E+22	2,542803E+22	2,587364E+22	2,587375E+22	2,542848E+22	2,410559E+22	2,176402E+22	1,903142E+22	1,713561E+22	1,713582E+22	1,903198E+22	2,176466E+22
678	2,410578E+22	2,542800E+22	2,587289E+22	2,587264E+22	2,542753E+22	2,410513E+22	2,176391E+22	1,903132E+22	1,713535E+22	1,713543E+22	1,903151E+22	2,176400E+22
679	2,410497E+22	2,542714E+22	2,587236E+22	2,587285E+22	2,542812E+22	2,410570E+22	2,176435E+22	1,903155E+22	1,713530E+22	1,713515E+22	1,903122E+22	2,176419E+22
680	2,410597E+22	2,542868E+22	2,587355E+22	2,587340E+22	2,542827E+22	2,410548E+22	2,176380E+22	1,903091E+22	1,713478E+22	1,713487E+22	1,903115E+22	2,176408E+22
681	2,410558E+22	2,542813E+22	2,587286E+22	2,587232E+22	2,542737E+22	2,410517E+22	2,176394E+22	1,903111E+22	1,713475E+22	1,713453E+22	1,903056E+22	2,176332E+22
682	2,410478E+22	2,542762E+22	2,587329E+22	2,587350E+22	2,542831E+22	2,410559E+22	2,176398E+22	1,903099E+22	1,713468E+22	1,713460E+22	1,903084E+22	2,176397E+22
683	2,410577E+22	2,542841E+22	2,587352E+22	2,587353E+22	2,542818E+22	2,410519E+22	2,176349E+22	1,903062E+22	1,713447E+22	1,713454E+22	1,903078E+22	2,176357E+22
684	2,410492E+22	2,542729E+22	2,587210E+22	2,587233E+22	2,542790E+22	2,410561E+22	2,176408E+22	1,903101E+22	1,713458E+22	1,713447E+22	1,903067E+22	2,176352E+22
685	2,410496E+22	2,542778E+22	2,587328E+22	2,587340E+22	2,542843E+22	2,410575E+22	2,176396E+22	1,903081E+22	1,713447E+22	1,713452E+22	1,903101E+22	2,176431E+22
686	2,410597E+22	2,542833E+22	2,587311E+22	2,587266E+22	2,542739E+22	2,410497E+22	2,176372E+22	1,903093E+22	1,713471E+22	1,713469E+22	1,903087E+22	2,176361E+22
687	2,410490E+22	2,542722E+22	2,587232E+22	2,587262E+22	2,542774E+22	2,410532E+22	2,176413E+22	1,903147E+22	1,713526E+22	1,713507E+22	1,903101E+22	2,176376E+22
688	2,410548E+22	2,542848E+22	2,587369E+22	2,587364E+22	2,542842E+22	2,410544E+22	2,176371E+22	1,903102E+22	1,713516E+22	1,713538E+22	1,903157E+22	2,176422E+22
689	2,410546E+22	2,542799E+22	2,587296E+22	2,587257E+22	2,542751E+22	2,410517E+22	2,176395E+22	1,903143E+22	1,713552E+22	1,713554E+22	1,903145E+22	2,176380E+22
690	2,410475E+22	2,542713E+22	2,587272E+22	2,587317E+22	2,542824E+22	2,410575E+22	2,176444E+22	1,903185E+22	1,713592E+22	1,713589E+22	1,903180E+22	2,176449E+22
691	2,410598E+22	2,542846E+22	2,587343E+22	2,587343E+22	2,542821E+22	2,410543E+22	2,176413E+22	1,903182E+22	1,713609E+22	1,713613E+22	1,903193E+22	2,176423E+22
692	2,410529E+22	2,542758E+22	2,587227E+22	2,587208E+22	2,542743E+22	2,410547E+22	2,176466E+22	1,903244E+22	1,713656E+22	1,713633E+22	1,903181E+22	2,176387E+22
693	2,410486E+22	2,542761E+22	2,587331E+22	2,587344E+22	2,542814E+22	2,410560E+22	2,176453E+22	1,903231E+22	1,713659E+22	1,713653E+22	1,903221E+22	2,176459E+22
694	2,410584E+22	2,542832E+22	2,587343E+22	2,587318E+22	2,542761E+22	2,410492E+22	2,176400E+22	1,903205E+22	1,713657E+22	1,713669E+22	1,903229E+22	2,176410E+22
695	2,410473E+22	2,542690E+22	2,587205E+22	2,587243E+22	2,542772E+22	2,410544E+22	2,176447E+22	1,903233E+22	1,713667E+22	1,713661E+22	1,903219E+22	2,176426E+22
696	2,410528E+22	2,542796E+22	2,587331E+22	2,587339E+22	2,542840E+22	2,410577E+22	2,176424E+22	1,903173E+22	1,713604E+22	1,713625E+22	1,903225E+22	2,176476E+22
697	2,410586E+22	2,542811E+22	2,587291E+22	2,587245E+22	2,542726E+22	2,410509E+22	2,176418E+22	1,903185E+22	1,713597E+22	1,713586E+22	1,903159E+22	2,176395E+22
698	2,410503E+22	2,542723E+22	2,587244E+22	2,587274E+22	2,542777E+22	2,410538E+22	2,176434E+22	1,903194E+22	1,713595E+22	1,713572E+22	1,903144E+22	2,176408E+22
699	2,410583E+22	2,542869E+22	2,587373E+22	2,587356E+22	2,542820E+22	2,410525E+22	2,176379E+22	1,903139E+22	1,713555E+22	1,713557E+22	1,903145E+22	2,176387E+22
700	2,410510E+22	2,542772E+22	2,587272E+22	2,587241E+22	2,542745E+22	2,410523E+22	2,176408E+22	1,903153E+22	1,713549E+22	1,713535E+22	1,903116E+22	2,176348E+22
701	2,410446E+22	2,542708E+22	2,587300E+22	2,587345E+22	2,542830E+22	2,410566E+22	2,176415E+22	1,903133E+22	1,713523E+22	1,713522E+22	1,903132E+22	2,176419E+22
702	2,410576E+22	2,542820E+22	2,587329E+22	2,587333E+22	2,542802E+22	2,410523E+22	2,176376E+22	1,903107E+22	1,713509E+22	1,713526E+22	1,903137E+22	2,176384E+22
703	2,410492E+22	2,542708E+22	2,587180E+22	2,587199E+22	2,542754E+22	2,410542E+22	2,176423E+22	1,903158E+22	1,713544E+22	1,713529E+22	1,903120E+22	2,176378E+22
704	2,410514E+22	2,542789E+22	2,587314E+22	2,587306E+22	2,542815E+22	2,410571E+22	2,176411E+22	1,903131E+22	1,713527E+22	1,713531E+22	1,903143E+22	2,176429E+22
705	2,410583E+22	2,542836E+22	2,587331E+22	2,587275E+22	2,542722E+22	2,410480E+22	2,176383E+22	1,903148E+22	1,713559E+22	1,713556E+22	1,903137E+22	2,176374E+22
706	2,410484E+22	2,542703E+22	2,587226E+22	2,587268E+22	2,542767E+22	2,410511E+22	2,176401E+22	1,903179E+22	1,713602E+22	1,713595E+22	1,903168E+22	2,176408E+22
707	2,410549E+22	2,542829E+22	2,587353E+22	2,587361E+22	2,542844E+22	2,410548E+22	2,176391E+22	1,903155E+22	1,713593E+22	1,713617E+22	1,903211E+22	2,176443E+22
708	2,410539E+22	2,542774E+22	2,587270E+22	2,587237E+22	2,542738E+22	2,410530E+22	2,176437E+22	1,903209E+22	1,713634E+22	1,713633E+22	1,903199E+22	2,176404E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
709	2,410474E+22	2,542701E+22	2,587260E+22	2,587295E+22	2,542790E+22	2,410561E+22	2,176467E+22	1,903246E+22	1,713670E+22	1,713654E+22	1,903211E+22	2,176446E+22
710	2,410591E+22	2,542853E+22	2,587355E+22	2,587338E+22	2,542793E+22	2,410524E+22	2,176428E+22	1,903235E+22	1,713694E+22	1,713703E+22	1,903247E+22	2,176420E+22
711	2,410497E+22	2,542729E+22	2,587220E+22	2,587209E+22	2,542721E+22	2,410517E+22	2,176462E+22	1,903292E+22	1,713747E+22	1,713730E+22	1,903246E+22	2,176405E+22
712	2,410472E+22	2,542734E+22	2,587299E+22	2,587325E+22	2,542818E+22	2,410570E+22	2,176460E+22	1,903264E+22	1,713726E+22	1,713730E+22	1,903275E+22	2,176473E+22
713	2,410567E+22	2,542809E+22	2,587327E+22	2,587308E+22	2,542756E+22	2,410503E+22	2,176428E+22	1,903252E+22	1,713721E+22	1,713731E+22	1,903273E+22	2,176441E+22
714	2,410490E+22	2,542678E+22	2,587178E+22	2,587219E+22	2,542745E+22	2,410524E+22	2,176453E+22	1,903270E+22	1,713724E+22	1,713716E+22	1,903257E+22	2,176450E+22
715	2,410548E+22	2,542810E+22	2,587329E+22	2,587324E+22	2,542813E+22	2,410559E+22	2,176440E+22	1,903229E+22	1,713674E+22	1,713680E+22	1,903247E+22	2,176466E+22
716	2,410570E+22	2,542808E+22	2,587299E+22	2,587243E+22	2,542704E+22	2,410499E+22	2,176436E+22	1,903235E+22	1,713670E+22	1,713658E+22	1,903199E+22	2,176389E+22
717	2,410469E+22	2,542702E+22	2,587253E+22	2,587290E+22	2,542766E+22	2,410518E+22	2,176432E+22	1,903227E+22	1,713656E+22	1,713636E+22	1,903182E+22	2,176403E+22
718	2,410551E+22	2,542844E+22	2,587369E+22	2,587371E+22	2,542833E+22	2,410529E+22	2,176383E+22	1,903162E+22	1,713613E+22	1,713636E+22	1,903209E+22	2,176406E+22
719	2,410484E+22	2,542720E+22	2,587225E+22	2,587219E+22	2,542737E+22	2,410528E+22	2,176425E+22	1,903193E+22	1,713615E+22	1,713611E+22	1,903180E+22	2,176390E+22
720	2,410464E+22	2,542692E+22	2,587244E+22	2,587294E+22	2,542813E+22	2,410582E+22	2,176447E+22	1,903183E+22	1,713585E+22	1,713579E+22	1,903170E+22	2,176435E+22
721	2,410582E+22	2,542827E+22	2,587322E+22	2,587305E+22	2,542764E+22	2,410508E+22	2,176404E+22	1,903171E+22	1,713589E+22	1,713590E+22	1,903168E+22	2,176396E+22
722	2,410504E+22	2,542714E+22	2,587182E+22	2,587185E+22	2,542710E+22	2,410497E+22	2,176413E+22	1,903200E+22	1,713623E+22	1,713609E+22	1,903168E+22	2,176388E+22
723	2,410512E+22	2,542798E+22	2,587334E+22	2,587321E+22	2,542800E+22	2,410540E+22	2,176409E+22	1,903179E+22	1,713609E+22	1,713615E+22	1,903194E+22	2,176430E+22
724	2,410551E+22	2,542808E+22	2,587324E+22	2,587285E+22	2,542729E+22	2,410488E+22	2,176399E+22	1,903191E+22	1,713636E+22	1,713644E+22	1,903204E+22	2,176397E+22
725	2,410463E+22	2,542672E+22	2,587212E+22	2,587269E+22	2,542768E+22	2,410521E+22	2,176427E+22	1,903223E+22	1,713665E+22	1,713660E+22	1,903214E+22	2,176425E+22
726	2,410549E+22	2,542821E+22	2,587343E+22	2,587354E+22	2,542837E+22	2,410556E+22	2,176423E+22	1,903209E+22	1,713670E+22	1,713694E+22	1,903261E+22	2,176453E+22
727	2,410526E+22	2,542751E+22	2,587240E+22	2,587210E+22	2,542710E+22	2,410520E+22	2,176466E+22	1,903282E+22	1,713734E+22	1,713724E+22	1,903251E+22	2,176418E+22
728	2,410473E+22	2,542696E+22	2,587235E+22	2,587265E+22	2,542770E+22	2,410559E+22	2,176492E+22	1,903309E+22	1,713762E+22	1,713743E+22	1,903259E+22	2,176441E+22
729	2,410558E+22	2,542834E+22	2,587359E+22	2,587341E+22	2,542774E+22	2,410504E+22	2,176441E+22	1,903295E+22	1,713787E+22	1,713794E+22	1,903306E+22	2,176442E+22
730	2,410486E+22	2,542697E+22	2,587195E+22	2,587199E+22	2,542705E+22	2,410491E+22	2,176449E+22	1,903319E+22	1,713819E+22	1,713818E+22	1,903319E+22	2,176446E+22
731	2,410482E+22	2,542724E+22	2,587279E+22	2,587306E+22	2,542797E+22	2,410558E+22	2,176474E+22	1,903306E+22	1,713787E+22	1,713796E+22	1,903325E+22	2,176497E+22
732	2,410571E+22	2,542799E+22	2,587306E+22	2,587285E+22	2,542735E+22	2,410501E+22	2,176452E+22	1,903299E+22	1,713783E+22	1,713790E+22	1,903312E+22	2,176459E+22
733	2,410493E+22	2,542686E+22	2,587186E+22	2,587210E+22	2,542717E+22	2,410503E+22	2,176460E+22	1,903308E+22	1,713778E+22	1,713760E+22	1,903271E+22	2,176440E+22
734	2,410538E+22	2,542822E+22	2,587355E+22	2,587339E+22	2,542804E+22	2,410542E+22	2,176444E+22	1,903261E+22	1,713737E+22	1,713749E+22	1,903282E+22	2,176452E+22
735	2,410527E+22	2,542773E+22	2,587291E+22	2,587259E+22	2,542709E+22	2,410490E+22	2,176443E+22	1,903276E+22	1,713742E+22	1,713735E+22	1,903251E+22	2,176399E+22
736	2,410447E+22	2,542668E+22	2,587211E+22	2,587274E+22	2,542785E+22	2,410545E+22	2,176456E+22	1,903263E+22	1,713713E+22	1,713700E+22	1,903229E+22	2,176412E+22
737	2,410523E+22	2,542808E+22	2,587340E+22	2,587354E+22	2,542828E+22	2,410545E+22	2,176424E+22	1,903219E+22	1,713679E+22	1,713694E+22	1,903252E+22	2,176438E+22
738	2,410499E+22	2,542703E+22	2,587185E+22	2,587180E+22	2,542702E+22	2,410505E+22	2,176436E+22	1,903240E+22	1,713685E+22	1,713679E+22	1,903228E+22	2,176420E+22
739	2,410488E+22	2,542710E+22	2,587235E+22	2,587259E+22	2,542764E+22	2,410550E+22	2,176463E+22	1,903245E+22	1,713667E+22	1,713652E+22	1,903209E+22	2,176439E+22
740	2,410574E+22	2,542832E+22	2,587330E+22	2,587299E+22	2,542732E+22	2,410482E+22	2,176414E+22	1,903225E+22	1,713674E+22	1,713676E+22	1,903225E+22	2,176408E+22
741	2,410483E+22	2,542709E+22	2,587201E+22	2,587203E+22	2,542696E+22	2,410462E+22	2,176398E+22	1,903228E+22	1,713686E+22	1,713681E+22	1,903218E+22	2,176398E+22
742	2,410493E+22	2,542783E+22	2,587338E+22	2,587341E+22	2,542814E+22	2,410542E+22	2,176410E+22	1,903200E+22	1,713671E+22	1,713699E+22	1,903259E+22	2,176452E+22
743	2,410532E+22	2,542770E+22	2,587292E+22	2,587278E+22	2,542732E+22	2,410498E+22	2,176426E+22	1,903240E+22	1,713707E+22	1,713720E+22	1,903261E+22	2,176428E+22
744	2,410472E+22	2,542662E+22	2,587169E+22	2,587228E+22	2,542758E+22	2,410538E+22	2,176468E+22	1,903288E+22	1,713742E+22	1,713726E+22	1,903246E+22	2,176423E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410531E+22	2,542816E+22	2,587340E+22	2,587338E+22	2,542812E+22	2,410550E+22	2,176462E+22	1,903291E+22	1,713769E+22	1,713771E+22	1,903294E+22	2,176457E+22
746	2,410517E+22	2,542738E+22	2,587231E+22	2,587198E+22	2,542676E+22	2,410480E+22	2,176464E+22	1,903339E+22	1,713834E+22	1,713824E+22	1,903312E+22	2,176429E+22
747	2,410458E+22	2,542684E+22	2,587231E+22	2,587261E+22	2,542748E+22	2,410531E+22	2,176498E+22	1,903366E+22	1,713853E+22	1,713839E+22	1,903326E+22	2,176456E+22
748	2,410527E+22	2,542796E+22	2,587337E+22	2,587334E+22	2,542771E+22	2,410506E+22	2,176457E+22	1,903339E+22	1,713863E+22	1,713882E+22	1,903380E+22	2,176480E+22
749	2,410477E+22	2,542676E+22	2,587181E+22	2,587185E+22	2,542689E+22	2,410483E+22	2,176460E+22	1,903352E+22	1,713870E+22	1,713873E+22	1,903363E+22	2,176474E+22
750	2,410497E+22	2,542731E+22	2,587278E+22	2,587299E+22	2,542786E+22	2,410552E+22	2,176486E+22	1,903340E+22	1,713847E+22	1,713860E+22	1,903364E+22	2,176508E+22
751	2,410568E+22	2,542794E+22	2,587295E+22	2,587270E+22	2,542717E+22	2,410491E+22	2,176470E+22	1,903351E+22	1,713857E+22	1,713857E+22	1,903348E+22	2,176464E+22
752	2,410490E+22	2,542690E+22	2,587178E+22	2,587200E+22	2,542715E+22	2,410504E+22	2,176479E+22	1,903357E+22	1,713847E+22	1,713823E+22	1,903300E+22	2,176424E+22
753	2,410496E+22	2,542798E+22	2,587361E+22	2,587357E+22	2,542809E+22	2,410540E+22	2,176462E+22	1,903313E+22	1,713811E+22	1,713814E+22	1,903323E+22	2,176467E+22
754	2,410508E+22	2,542729E+22	2,587254E+22	2,587244E+22	2,542705E+22	2,410481E+22	2,176445E+22	1,903308E+22	1,713806E+22	1,713809E+22	1,903312E+22	2,176435E+22
755	2,410454E+22	2,542653E+22	2,587179E+22	2,587235E+22	2,542755E+22	2,410540E+22	2,176486E+22	1,903316E+22	1,713775E+22	1,713762E+22	1,903275E+22	2,176437E+22
756	2,410524E+22	2,542794E+22	2,587311E+22	2,587314E+22	2,542789E+22	2,410531E+22	2,176449E+22	1,903275E+22	1,713750E+22	1,713759E+22	1,903295E+22	2,176456E+22
757	2,410500E+22	2,542715E+22	2,587197E+22	2,587161E+22	2,542659E+22	2,410465E+22	2,176430E+22	1,903277E+22	1,713747E+22	1,713736E+22	1,903256E+22	2,176421E+22
758	2,410484E+22	2,542727E+22	2,587269E+22	2,587277E+22	2,542748E+22	2,410512E+22	2,176443E+22	1,903267E+22	1,713735E+22	1,713733E+22	1,903255E+22	2,176436E+22
759	2,410540E+22	2,542803E+22	2,587325E+22	2,587313E+22	2,542740E+22	2,410470E+22	2,176411E+22	1,903259E+22	1,713746E+22	1,713757E+22	1,903283E+22	2,176429E+22
760	2,410469E+22	2,542683E+22	2,587172E+22	2,587198E+22	2,542723E+22	2,410491E+22	2,176424E+22	1,903268E+22	1,713747E+22	1,713745E+22	1,903262E+22	2,176409E+22
761	2,410469E+22	2,542753E+22	2,587321E+22	2,587338E+22	2,542819E+22	2,410562E+22	2,176458E+22	1,903270E+22	1,713747E+22	1,713758E+22	1,903296E+22	2,176476E+22
762	2,410537E+22	2,542747E+22	2,587256E+22	2,587246E+22	2,542711E+22	2,410489E+22	2,176452E+22	1,903308E+22	1,713799E+22	1,713803E+22	1,903311E+22	2,176447E+22
763	2,410478E+22	2,542670E+22	2,587160E+22	2,587192E+22	2,542713E+22	2,410520E+22	2,176503E+22	1,903368E+22	1,713844E+22	1,713818E+22	1,903296E+22	2,176424E+22
764	2,410502E+22	2,542793E+22	2,587333E+22	2,587325E+22	2,542782E+22	2,410527E+22	2,176479E+22	1,903359E+22	1,713874E+22	1,713878E+22	1,903366E+22	2,176472E+22
765	2,410489E+22	2,542716E+22	2,587232E+22	2,587198E+22	2,542659E+22	2,410446E+22	2,176449E+22	1,903374E+22	1,713911E+22	1,713913E+22	1,903380E+22	2,176461E+22
766	2,410453E+22	2,542667E+22	2,587222E+22	2,587261E+22	2,542747E+22	2,410519E+22	2,176490E+22	1,903385E+22	1,713919E+22	1,713929E+22	1,903398E+22	2,176494E+22
767	2,410528E+22	2,542769E+22	2,587303E+22	2,587309E+22	2,542758E+22	2,410506E+22	2,176478E+22	1,903383E+22	1,713926E+22	1,713949E+22	1,903434E+22	2,176520E+22
768	2,410505E+22	2,542686E+22	2,587160E+22	2,587155E+22	2,542677E+22	2,410487E+22	2,176487E+22	1,903402E+22	1,713930E+22	1,713919E+22	1,903381E+22	2,176470E+22
769	2,410488E+22	2,542741E+22	2,587299E+22	2,587302E+22	2,542771E+22	2,410543E+22	2,176513E+22	1,903403E+22	1,713922E+22	1,713911E+22	1,903379E+22	2,176503E+22
770	2,410555E+22	2,542783E+22	2,587298E+22	2,587275E+22	2,542708E+22	2,410466E+22	2,176468E+22	1,903394E+22	1,713934E+22	1,713934E+22	1,903389E+22	2,176462E+22
771	2,410466E+22	2,542673E+22	2,587174E+22	2,587195E+22	2,542707E+22	2,410498E+22	2,176497E+22	1,903407E+22	1,713920E+22	1,713899E+22	1,903349E+22	2,176428E+22
772	2,410456E+22	2,542745E+22	2,587329E+22	2,587344E+22	2,542812E+22	2,410554E+22	2,176489E+22	1,903362E+22	1,713881E+22	1,713889E+22	1,903381E+22	2,176491E+22
773	2,410494E+22	2,542704E+22	2,587233E+22	2,587217E+22	2,542680E+22	2,410465E+22	2,176453E+22	1,903346E+22	1,713860E+22	1,713862E+22	1,903351E+22	2,176460E+22
774	2,410466E+22	2,542654E+22	2,587169E+22	2,587211E+22	2,542726E+22	2,410516E+22	2,176485E+22	1,903350E+22	1,713841E+22	1,713832E+22	1,903317E+22	2,176450E+22
775	2,410523E+22	2,542787E+22	2,587301E+22	2,587289E+22	2,542757E+22	2,410508E+22	2,176455E+22	1,903320E+22	1,713823E+22	1,713832E+22	1,903340E+22	2,176472E+22
776	2,410502E+22	2,542718E+22	2,587197E+22	2,587157E+22	2,542651E+22	2,410449E+22	2,176431E+22	1,903313E+22	1,713812E+22	1,713802E+22	1,903293E+22	2,176417E+22
777	2,410452E+22	2,542708E+22	2,587283E+22	2,587303E+22	2,542764E+22	2,410510E+22	2,176450E+22	1,903308E+22	1,713802E+22	1,713797E+22	1,903301E+22	2,176461E+22
778	2,410532E+22	2,542767E+22	2,587295E+22	2,587305E+22	2,542750E+22	2,410474E+22	2,176418E+22	1,903292E+22	1,713811E+22	1,713832E+22	1,903341E+22	2,176461E+22
779	2,410479E+22	2,542673E+22	2,587149E+22	2,587165E+22	2,542700E+22	2,410498E+22	2,176470E+22	1,903336E+22	1,713823E+22	1,713813E+22	1,903305E+22	2,176424E+22
780	2,410459E+22	2,542730E+22	2,587297E+22	2,587307E+22	2,542793E+22	2,410560E+22	2,176499E+22	1,903350E+22	1,713843E+22	1,713839E+22	1,903339E+22	2,176480E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410521E+22	2,542746E+22	2,587263E+22	2,587225E+22	2,542671E+22	2,410456E+22	2,176459E+22	1,903367E+22	1,713890E+22	1,713887E+22	1,903355E+22	2,176449E+22
782	2,410462E+22	2,542666E+22	2,587177E+22	2,587197E+22	2,542695E+22	2,410488E+22	2,176492E+22	1,903409E+22	1,713938E+22	1,713926E+22	1,903364E+22	2,176436E+22
783	2,410472E+22	2,542753E+22	2,587310E+22	2,587317E+22	2,542779E+22	2,410518E+22	2,176484E+22	1,903404E+22	1,713959E+22	1,713976E+22	1,903442E+22	2,176511E+22
784	2,410490E+22	2,542692E+22	2,587200E+22	2,587183E+22	2,542668E+22	2,410459E+22	2,176469E+22	1,903414E+22	1,713976E+22	1,713982E+22	1,903432E+22	2,176486E+22
785	2,410453E+22	2,542656E+22	2,587216E+22	2,587258E+22	2,542743E+22	2,410524E+22	2,176520E+22	1,903445E+22	1,713989E+22	1,713983E+22	1,903434E+22	2,176526E+22
786	2,410548E+22	2,542764E+22	2,587282E+22	2,587283E+22	2,542739E+22	2,410493E+22	2,176493E+22	1,903438E+22	1,714006E+22	1,714020E+22	1,903472E+22	2,176532E+22
787	2,410515E+22	2,542706E+22	2,587176E+22	2,587138E+22	2,542643E+22	2,410475E+22	2,176520E+22	1,903470E+22	1,714013E+22	1,713993E+22	1,903415E+22	2,176458E+22
788	2,410452E+22	2,542716E+22	2,587304E+22	2,587308E+22	2,542758E+22	2,410529E+22	2,176530E+22	1,903462E+22	1,714009E+22	1,713995E+22	1,903428E+22	2,176496E+22
789	2,410513E+22	2,542752E+22	2,587295E+22	2,587279E+22	2,542706E+22	2,410452E+22	2,176460E+22	1,903422E+22	1,713998E+22	1,714006E+22	1,903442E+22	2,176480E+22
790	2,410451E+22	2,542645E+22	2,587157E+22	2,587185E+22	2,542705E+22	2,410496E+22	2,176493E+22	1,903425E+22	1,713977E+22	1,713974E+22	1,903406E+22	2,176455E+22
791	2,410450E+22	2,542705E+22	2,587278E+22	2,587297E+22	2,542786E+22	2,410551E+22	2,176510E+22	1,903405E+22	1,713940E+22	1,713949E+22	1,903427E+22	2,176524E+22
792	2,410518E+22	2,542704E+22	2,587205E+22	2,587181E+22	2,542656E+22	2,410454E+22	2,176468E+22	1,903389E+22	1,713919E+22	1,713910E+22	1,903372E+22	2,176460E+22
793	2,410463E+22	2,542663E+22	2,587191E+22	2,587215E+22	2,542703E+22	2,410489E+22	2,176488E+22	1,903396E+22	1,713908E+22	1,713884E+22	1,903343E+22	2,176457E+22
794	2,410517E+22	2,542775E+22	2,587304E+22	2,587293E+22	2,542746E+22	2,410478E+22	2,176442E+22	1,903352E+22	1,713893E+22	1,713908E+22	1,903389E+22	2,176481E+22
795	2,410491E+22	2,542710E+22	2,587204E+22	2,587158E+22	2,542648E+22	2,410453E+22	2,176451E+22	1,903353E+22	1,713875E+22	1,713871E+22	1,903341E+22	2,176425E+22
796	2,410422E+22	2,542665E+22	2,587259E+22	2,587297E+22	2,542772E+22	2,410533E+22	2,176487E+22	1,903362E+22	1,713874E+22	1,713868E+22	1,903348E+22	2,176473E+22
797	2,410519E+22	2,542749E+22	2,587279E+22	2,587283E+22	2,542735E+22	2,410474E+22	2,176440E+22	1,903345E+22	1,713881E+22	1,713895E+22	1,903378E+22	2,176476E+22
798	2,410484E+22	2,542672E+22	2,587143E+22	2,587143E+22	2,542676E+22	2,410486E+22	2,176483E+22	1,903393E+22	1,713917E+22	1,713905E+22	1,903353E+22	2,176429E+22
799	2,410444E+22	2,542706E+22	2,587276E+22	2,587277E+22	2,542760E+22	2,410544E+22	2,176521E+22	1,903420E+22	1,713947E+22	1,713940E+22	1,903402E+22	2,176497E+22
800	2,410512E+22	2,542730E+22	2,587253E+22	2,587221E+22	2,542659E+22	2,410434E+22	2,176463E+22	1,903420E+22	1,713980E+22	1,713980E+22	1,903416E+22	2,176461E+22
801	2,410438E+22	2,542639E+22	2,587178E+22	2,587210E+22	2,542697E+22	2,410478E+22	2,176496E+22	1,903455E+22	1,714018E+22	1,714008E+22	1,903433E+22	2,176482E+22
802	2,410480E+22	2,542724E+22	2,587278E+22	2,587294E+22	2,542767E+22	2,410512E+22	2,176490E+22	1,903440E+22	1,714031E+22	1,714059E+22	1,903510E+22	2,176555E+22
803	2,410518E+22	2,542702E+22	2,587191E+22	2,587148E+22	2,542631E+22	2,410457E+22	2,176507E+22	1,903474E+22	1,714046E+22	1,714047E+22	1,903471E+22	2,176498E+22
804	2,410452E+22	2,542653E+22	2,587215E+22	2,587245E+22	2,542724E+22	2,410519E+22	2,176548E+22	1,903511E+22	1,714075E+22	1,714054E+22	1,903464E+22	2,176515E+22
805	2,410532E+22	2,542775E+22	2,587305E+22	2,587284E+22	2,542716E+22	2,410465E+22	2,176489E+22	1,903481E+22	1,714081E+22	1,714089E+22	1,903502E+22	2,176519E+22
806	2,410486E+22	2,542692E+22	2,587192E+22	2,587158E+22	2,542643E+22	2,410458E+22	2,176509E+22	1,903502E+22	1,714093E+22	1,714083E+22	1,903467E+22	2,176456E+22
807	2,410409E+22	2,542656E+22	2,587267E+22	2,587300E+22	2,542767E+22	2,410542E+22	2,176548E+22	1,903504E+22	1,714079E+22	1,714075E+22	1,903490E+22	2,176523E+22
808	2,410501E+22	2,542708E+22	2,587249E+22	2,587257E+22	2,542707E+22	2,410465E+22	2,176485E+22	1,903462E+22	1,714052E+22	1,714063E+22	1,903484E+22	2,176499E+22
809	2,410447E+22	2,542625E+22	2,587137E+22	2,587166E+22	2,542687E+22	2,410495E+22	2,176519E+22	1,903477E+22	1,714037E+22	1,714021E+22	1,903443E+22	2,176488E+22
810	2,410473E+22	2,542701E+22	2,587249E+22	2,587255E+22	2,542747E+22	2,410527E+22	2,176514E+22	1,903448E+22	1,714010E+22	1,714016E+22	1,903467E+22	2,176540E+22
811	2,410536E+22	2,542728E+22	2,587220E+22	2,587158E+22	2,542608E+22	2,410430E+22	2,176485E+22	1,903438E+22	1,713988E+22	1,713977E+22	1,903407E+22	2,176456E+22
812	2,410441E+22	2,542648E+22	2,587201E+22	2,587231E+22	2,542698E+22	2,410472E+22	2,176490E+22	1,903437E+22	1,713982E+22	1,713960E+22	1,903389E+22	2,176457E+22
813	2,410491E+22	2,542758E+22	2,587305E+22	2,587301E+22	2,542750E+22	2,410469E+22	2,176432E+22	1,903371E+22	1,713947E+22	1,713972E+22	1,903436E+22	2,176500E+22
814	2,410484E+22	2,542692E+22	2,587196E+22	2,587158E+22	2,542651E+22	2,410461E+22	2,176459E+22	1,903383E+22	1,713938E+22	1,713945E+22	1,903390E+22	2,176444E+22
815	2,410416E+22	2,542631E+22	2,587218E+22	2,587260E+22	2,542752E+22	2,410543E+22	2,176527E+22	1,903427E+22	1,713951E+22	1,713938E+22	1,903392E+22	2,176489E+22
816	2,410523E+22	2,542740E+22	2,587258E+22	2,587259E+22	2,542714E+22	2,410468E+22	2,176468E+22	1,903410E+22	1,713966E+22	1,713966E+22	1,903408E+22	2,176469E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410466E+22	2,542668E+22	2,587160E+22	2,587150E+22	2,542654E+22	2,410464E+22	2,176495E+22	1,903456E+22	1,714010E+22	1,713988E+22	1,903404E+22	2,176445E+22
818	2,410431E+22	2,542678E+22	2,587255E+22	2,587266E+22	2,542741E+22	2,410517E+22	2,176516E+22	1,903467E+22	1,714041E+22	1,714045E+22	1,903477E+22	2,176525E+22
819	2,410508E+22	2,542717E+22	2,587244E+22	2,587208E+22	2,542643E+22	2,410436E+22	2,176487E+22	1,903469E+22	1,714060E+22	1,714070E+22	1,903485E+22	2,176490E+22
820	2,410427E+22	2,542608E+22	2,587157E+22	2,587201E+22	2,542691E+22	2,410482E+22	2,176521E+22	1,903509E+22	1,714096E+22	1,714088E+22	1,903489E+22	2,176504E+22
821	2,410485E+22	2,542723E+22	2,587268E+22	2,587273E+22	2,542744E+22	2,410499E+22	2,176502E+22	1,903487E+22	1,714101E+22	1,714125E+22	1,903549E+22	2,176571E+22
822	2,410528E+22	2,542716E+22	2,587205E+22	2,587146E+22	2,542614E+22	2,410444E+22	2,176511E+22	1,903520E+22	1,714131E+22	1,714129E+22	1,903509E+22	2,176493E+22
823	2,410431E+22	2,542634E+22	2,587205E+22	2,587232E+22	2,542704E+22	2,410511E+22	2,176570E+22	1,903571E+22	1,714163E+22	1,714140E+22	1,903512E+22	2,176514E+22
824	2,410505E+22	2,542746E+22	2,587294E+22	2,587294E+22	2,542723E+22	2,410461E+22	2,176499E+22	1,903527E+22	1,714156E+22	1,714165E+22	1,903549E+22	2,176521E+22
825	2,410454E+22	2,542653E+22	2,587178E+22	2,587169E+22	2,542653E+22	2,410464E+22	2,176521E+22	1,903541E+22	1,714157E+22	1,714149E+22	1,903526E+22	2,176497E+22
826	2,410410E+22	2,542614E+22	2,587207E+22	2,587257E+22	2,542744E+22	2,410540E+22	2,176564E+22	1,903544E+22	1,714142E+22	1,714145E+22	1,903548E+22	2,176561E+22
827	2,410526E+22	2,542713E+22	2,587226E+22	2,587207E+22	2,542655E+22	2,410456E+22	2,176520E+22	1,903516E+22	1,714113E+22	1,714117E+22	1,903517E+22	2,176510E+22
828	2,410450E+22	2,542627E+22	2,587135E+22	2,587147E+22	2,542650E+22	2,410470E+22	2,176530E+22	1,903528E+22	1,714110E+22	1,714084E+22	1,903469E+22	2,176478E+22
829	2,410466E+22	2,542723E+22	2,587273E+22	2,587254E+22	2,542714E+22	2,410487E+22	2,176496E+22	1,903473E+22	1,714070E+22	1,714079E+22	1,903499E+22	2,176536E+22
830	2,410519E+22	2,542729E+22	2,587244E+22	2,587188E+22	2,542613E+22	2,410411E+22	2,176462E+22	1,903455E+22	1,714052E+22	1,714053E+22	1,903453E+22	2,176457E+22
831	2,410408E+22	2,542605E+22	2,587176E+22	2,587232E+22	2,542712E+22	2,410492E+22	2,176511E+22	1,903474E+22	1,714042E+22	1,714028E+22	1,903441E+22	2,176476E+22
832	2,410479E+22	2,542723E+22	2,587274E+22	2,587298E+22	2,542760E+22	2,410490E+22	2,176466E+22	1,903419E+22	1,714005E+22	1,714025E+22	1,903468E+22	2,176509E+22
833	2,410475E+22	2,542672E+22	2,587180E+22	2,587153E+22	2,542644E+22	2,410469E+22	2,176496E+22	1,903450E+22	1,714013E+22	1,714005E+22	1,903432E+22	2,176468E+22
834	2,410421E+22	2,542615E+22	2,587181E+22	2,587220E+22	2,542715E+22	2,410529E+22	2,176549E+22	1,903492E+22	1,714047E+22	1,714031E+22	1,903449E+22	2,176502E+22
835	2,410522E+22	2,542746E+22	2,587261E+22	2,587232E+22	2,542662E+22	2,410445E+22	2,176495E+22	1,903476E+22	1,714062E+22	1,714063E+22	1,903470E+22	2,176475E+22
836	2,410436E+22	2,542639E+22	2,587155E+22	2,587158E+22	2,542643E+22	2,410443E+22	2,176497E+22	1,903508E+22	1,714106E+22	1,714092E+22	1,903475E+22	2,176463E+22
837	2,410419E+22	2,542666E+22	2,587243E+22	2,587256E+22	2,542727E+22	2,410498E+22	2,176502E+22	1,903489E+22	1,714107E+22	1,714129E+22	1,903545E+22	2,176563E+22
838	2,410519E+22	2,542710E+22	2,587232E+22	2,587198E+22	2,542631E+22	2,410428E+22	2,176487E+22	1,903501E+22	1,714129E+22	1,714147E+22	1,903540E+22	2,176518E+22
839	2,410435E+22	2,542595E+22	2,587129E+22	2,587173E+22	2,542670E+22	2,410485E+22	2,176554E+22	1,903569E+22	1,714171E+22	1,714155E+22	1,903529E+22	2,176518E+22
840	2,410489E+22	2,542724E+22	2,587268E+22	2,587270E+22	2,542727E+22	2,410490E+22	2,176524E+22	1,903546E+22	1,714179E+22	1,714188E+22	1,903571E+22	2,176554E+22
841	2,410502E+22	2,542709E+22	2,587227E+22	2,587174E+22	2,542612E+22	2,410436E+22	2,176529E+22	1,903578E+22	1,714211E+22	1,714202E+22	1,903554E+22	2,176499E+22
842	2,410403E+22	2,542597E+22	2,587176E+22	2,587225E+22	2,542701E+22	2,410505E+22	2,176580E+22	1,903619E+22	1,714248E+22	1,714232E+22	1,903577E+22	2,176529E+22
843	2,410484E+22	2,542719E+22	2,587269E+22	2,587269E+22	2,542706E+22	2,410476E+22	2,176537E+22	1,903577E+22	1,714227E+22	1,714242E+22	1,903605E+22	2,176541E+22
844	2,410436E+22	2,542615E+22	2,587143E+22	2,587149E+22	2,542639E+22	2,410466E+22	2,176551E+22	1,903598E+22	1,714230E+22	1,714220E+22	1,903572E+22	2,176514E+22
845	2,410419E+22	2,542619E+22	2,587185E+22	2,587217E+22	2,542701E+22	2,410511E+22	2,176567E+22	1,903583E+22	1,714205E+22	1,714205E+22	1,903586E+22	2,176580E+22
846	2,410540E+22	2,542734E+22	2,587237E+22	2,587196E+22	2,542622E+22	2,410424E+22	2,176510E+22	1,903551E+22	1,714186E+22	1,714189E+22	1,903556E+22	2,176513E+22
847	2,410437E+22	2,542622E+22	2,587136E+22	2,587144E+22	2,542628E+22	2,410449E+22	2,176534E+22	1,903567E+22	1,714176E+22	1,714155E+22	1,903516E+22	2,176484E+22
848	2,410445E+22	2,542701E+22	2,587275E+22	2,587282E+22	2,542726E+22	2,410477E+22	2,176492E+22	1,903498E+22	1,714124E+22	1,714139E+22	1,903539E+22	2,176540E+22
849	2,410493E+22	2,542702E+22	2,587242E+22	2,587214E+22	2,542638E+22	2,410429E+22	2,176478E+22	1,903483E+22	1,714097E+22	1,714106E+22	1,903504E+22	2,176491E+22
850	2,410408E+22	2,542573E+22	2,587122E+22	2,587194E+22	2,542699E+22	2,410503E+22	2,176542E+22	1,903523E+22	1,714106E+22	1,714094E+22	1,903488E+22	2,176499E+22
851	2,410488E+22	2,542725E+22	2,587253E+22	2,587255E+22	2,542720E+22	2,410495E+22	2,176515E+22	1,903488E+22	1,714082E+22	1,714089E+22	1,903500E+22	2,176509E+22
852	2,410462E+22	2,542664E+22	2,587173E+22	2,587140E+22	2,542613E+22	2,410446E+22	2,176515E+22	1,903518E+22	1,714108E+22	1,714090E+22	1,903471E+22	2,176459E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410403E+22	2,542617E+22	2,587180E+22	2,587205E+22	2,542676E+22	2,410486E+22	2,176537E+22	1,903533E+22	1,714131E+22	1,714122E+22	1,903508E+22	2,176515E+22
854	2,410503E+22	2,542733E+22	2,587263E+22	2,587242E+22	2,542657E+22	2,410422E+22	2,176477E+22	1,903506E+22	1,714144E+22	1,714159E+22	1,903540E+22	2,176499E+22
855	2,410416E+22	2,542602E+22	2,587122E+22	2,587142E+22	2,542638E+22	2,410449E+22	2,176516E+22	1,903548E+22	1,714174E+22	1,714172E+22	1,903542E+22	2,176499E+22
856	2,410423E+22	2,542645E+22	2,587221E+22	2,587250E+22	2,542721E+22	2,410500E+22	2,176526E+22	1,903537E+22	1,714171E+22	1,714188E+22	1,903584E+22	2,176580E+22
857	2,410525E+22	2,542712E+22	2,587233E+22	2,587203E+22	2,542628E+22	2,410431E+22	2,176515E+22	1,903560E+22	1,714201E+22	1,714209E+22	1,903581E+22	2,176537E+22
858	2,410438E+22	2,542593E+22	2,587111E+22	2,587146E+22	2,542642E+22	2,410475E+22	2,176580E+22	1,903637E+22	1,714267E+22	1,714244E+22	1,903577E+22	2,176520E+22
859	2,410473E+22	2,542724E+22	2,587278E+22	2,587262E+22	2,542697E+22	2,410482E+22	2,176559E+22	1,903615E+22	1,714272E+22	1,714277E+22	1,903622E+22	2,176550E+22
860	2,410458E+22	2,542668E+22	2,587215E+22	2,587187E+22	2,542617E+22	2,410430E+22	2,176544E+22	1,903636E+22	1,714305E+22	1,714299E+22	1,903616E+22	2,176509E+22
861	2,410383E+22	2,542572E+22	2,587142E+22	2,587197E+22	2,542684E+22	2,410496E+22	2,176583E+22	1,903651E+22	1,714314E+22	1,714313E+22	1,903643E+22	2,176566E+22
862	2,410489E+22	2,542706E+22	2,587245E+22	2,587242E+22	2,542682E+22	2,410461E+22	2,176541E+22	1,903616E+22	1,714295E+22	1,714312E+22	1,903656E+22	2,176568E+22
863	2,410443E+22	2,542606E+22	2,587116E+22	2,587111E+22	2,542604E+22	2,410451E+22	2,176570E+22	1,903649E+22	1,714298E+22	1,714282E+22	1,903611E+22	2,176531E+22
864	2,410426E+22	2,542627E+22	2,587196E+22	2,587219E+22	2,542674E+22	2,410478E+22	2,176564E+22	1,903620E+22	1,714266E+22	1,714259E+22	1,903608E+22	2,176572E+22
865	2,410523E+22	2,542735E+22	2,587263E+22	2,587231E+22	2,542629E+22	2,410408E+22	2,176507E+22	1,903581E+22	1,714240E+22	1,714247E+22	1,903599E+22	2,176526E+22
866	2,410417E+22	2,542596E+22	2,587118E+22	2,587147E+22	2,542639E+22	2,410452E+22	2,176541E+22	1,903598E+22	1,714237E+22	1,714225E+22	1,903569E+22	2,176502E+22
867	2,410429E+22	2,542680E+22	2,587259E+22	2,587264E+22	2,542720E+22	2,410502E+22	2,176535E+22	1,903543E+22	1,714178E+22	1,714193E+22	1,903577E+22	2,176550E+22
868	2,410473E+22	2,542666E+22	2,587212E+22	2,587203E+22	2,542639E+22	2,410442E+22	2,176519E+22	1,903547E+22	1,714170E+22	1,714168E+22	1,903535E+22	2,176495E+22
869	2,410410E+22	2,542576E+22	2,587095E+22	2,587151E+22	2,542662E+22	2,410484E+22	2,176555E+22	1,903573E+22	1,714181E+22	1,714163E+22	1,903528E+22	2,176509E+22
870	2,410483E+22	2,542727E+22	2,587251E+22	2,587234E+22	2,542683E+22	2,410461E+22	2,176514E+22	1,903541E+22	1,714174E+22	1,714176E+22	1,903549E+22	2,176513E+22
871	2,410439E+22	2,542642E+22	2,587160E+22	2,587128E+22	2,542588E+22	2,410420E+22	2,176522E+22	1,903570E+22	1,714196E+22	1,714183E+22	1,903538E+22	2,176481E+22
872	2,410386E+22	2,542589E+22	2,587174E+22	2,587217E+22	2,542671E+22	2,410459E+22	2,176527E+22	1,903564E+22	1,714200E+22	1,714200E+22	1,903568E+22	2,176541E+22
873	2,410495E+22	2,542712E+22	2,587254E+22	2,587250E+22	2,542666E+22	2,410427E+22	2,176490E+22	1,903538E+22	1,714197E+22	1,714226E+22	1,903606E+22	2,176547E+22
874	2,410430E+22	2,542589E+22	2,587087E+22	2,587106E+22	2,542616E+22	2,410450E+22	2,176545E+22	1,903601E+22	1,714245E+22	1,714242E+22	1,903592E+22	2,176525E+22
875	2,410438E+22	2,542662E+22	2,587220E+22	2,587219E+22	2,542687E+22	2,410500E+22	2,176570E+22	1,903608E+22	1,714254E+22	1,714255E+22	1,903611E+22	2,176571E+22
876	2,410504E+22	2,542707E+22	2,587244E+22	2,587213E+22	2,542620E+22	2,410420E+22	2,176541E+22	1,903634E+22	1,714303E+22	1,714297E+22	1,903613E+22	2,176517E+22
877	2,410411E+22	2,542589E+22	2,587111E+22	2,587143E+22	2,542626E+22	2,410450E+22	2,176579E+22	1,903685E+22	1,714358E+22	1,714339E+22	1,903638E+22	2,176526E+22
878	2,410437E+22	2,542691E+22	2,587269E+22	2,587269E+22	2,542702E+22	2,410472E+22	2,176559E+22	1,903662E+22	1,714363E+22	1,714373E+22	1,903689E+22	2,176571E+22
879	2,410431E+22	2,542618E+22	2,587171E+22	2,587162E+22	2,542611E+22	2,410439E+22	2,176574E+22	1,903690E+22	1,714381E+22	1,714381E+22	1,903684E+22	2,176548E+22
880	2,410384E+22	2,542541E+22	2,587111E+22	2,587177E+22	2,542662E+22	2,410482E+22	2,176600E+22	1,903699E+22	1,714379E+22	1,714373E+22	1,903685E+22	2,176591E+22
881	2,410501E+22	2,542709E+22	2,587241E+22	2,587231E+22	2,542666E+22	2,410452E+22	2,176556E+22	1,903659E+22	1,714354E+22	1,714370E+22	1,903702E+22	2,176595E+22
882	2,410454E+22	2,542613E+22	2,587108E+22	2,587081E+22	2,542566E+22	2,410426E+22	2,176577E+22	1,903693E+22	1,714370E+22	1,714354E+22	1,903656E+22	2,176540E+22
883	2,410421E+22	2,542635E+22	2,587215E+22	2,587218E+22	2,542656E+22	2,410466E+22	2,176576E+22	1,903661E+22	1,714331E+22	1,714323E+22	1,903646E+22	2,176571E+22
884	2,410493E+22	2,542705E+22	2,587261E+22	2,587255E+22	2,542653E+22	2,410410E+22	2,176512E+22	1,903616E+22	1,714303E+22	1,714312E+22	1,903636E+22	2,176530E+22
885	2,410406E+22	2,542578E+22	2,587088E+22	2,587120E+22	2,542630E+22	2,410451E+22	2,176550E+22	1,903625E+22	1,714285E+22	1,714282E+22	1,903614E+22	2,176526E+22
886	2,410428E+22	2,542663E+22	2,587237E+22	2,587240E+22	2,542702E+22	2,410494E+22	2,176553E+22	1,903594E+22	1,714245E+22	1,714248E+22	1,903608E+22	2,176558E+22
887	2,410464E+22	2,542651E+22	2,587186E+22	2,587164E+22	2,542605E+22	2,410429E+22	2,176546E+22	1,903610E+22	1,714249E+22	1,714235E+22	1,903571E+22	2,176499E+22
888	2,410397E+22	2,542567E+22	2,587101E+22	2,587144E+22	2,542628E+22	2,410447E+22	2,176556E+22	1,903621E+22	1,714258E+22	1,714235E+22	1,903564E+22	2,176506E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410460E+22	2,542713E+22	2,587263E+22	2,587251E+22	2,542683E+22	2,410442E+22	2,176509E+22	1,903575E+22	1,714240E+22	1,714255E+22	1,903615E+22	2,176539E+22
890	2,410422E+22	2,542611E+22	2,587134E+22	2,587112E+22	2,542584E+22	2,410414E+22	2,176526E+22	1,903607E+22	1,714269E+22	1,714269E+22	1,903607E+22	2,176516E+22
891	2,410385E+22	2,542576E+22	2,587162E+22	2,587196E+22	2,542659E+22	2,410471E+22	2,176559E+22	1,903613E+22	1,714266E+22	1,714267E+22	1,903616E+22	2,176564E+22
892	2,410491E+22	2,542692E+22	2,587239E+22	2,587247E+22	2,542668E+22	2,410433E+22	2,176523E+22	1,903605E+22	1,714282E+22	1,714298E+22	1,903640E+22	2,176553E+22
893	2,410440E+22	2,542603E+22	2,587079E+22	2,587077E+22	2,542588E+22	2,410435E+22	2,176562E+22	1,903660E+22	1,714332E+22	1,714323E+22	1,903637E+22	2,176532E+22
894	2,410427E+22	2,542663E+22	2,587234E+22	2,587218E+22	2,542664E+22	2,410475E+22	2,176581E+22	1,903675E+22	1,714358E+22	1,714349E+22	1,903661E+22	2,176567E+22
895	2,410467E+22	2,542674E+22	2,587233E+22	2,587212E+22	2,542616E+22	2,410411E+22	2,176559E+22	1,903699E+22	1,714403E+22	1,714400E+22	1,903685E+22	2,176536E+22
896	2,410380E+22	2,542545E+22	2,587096E+22	2,587147E+22	2,542628E+22	2,410442E+22	2,176582E+22	1,903725E+22	1,714435E+22	1,714426E+22	1,903704E+22	2,176557E+22
897	2,410428E+22	2,542654E+22	2,587238E+22	2,587255E+22	2,542705E+22	2,410483E+22	2,176580E+22	1,903699E+22	1,714420E+22	1,714444E+22	1,903760E+22	2,176623E+22
898	2,410450E+22	2,542602E+22	2,587128E+22	2,587110E+22	2,542575E+22	2,410429E+22	2,176599E+22	1,903745E+22	1,714453E+22	1,714450E+22	1,903735E+22	2,176583E+22
899	2,410410E+22	2,542563E+22	2,587115E+22	2,587139E+22	2,542614E+22	2,410461E+22	2,176619E+22	1,903753E+22	1,714450E+22	1,714431E+22	1,903710E+22	2,176588E+22
900	2,410491E+22	2,542710E+22	2,587258E+22	2,587240E+22	2,542653E+22	2,410429E+22	2,176561E+22	1,903710E+22	1,714432E+22	1,714439E+22	1,903725E+22	2,176579E+22
901	2,410440E+22	2,542618E+22	2,587120E+22	2,587086E+22	2,542558E+22	2,410403E+22	2,176563E+22	1,903715E+22	1,714428E+22	1,714422E+22	1,903699E+22	2,176544E+22
902	2,410395E+22	2,542612E+22	2,587214E+22	2,587227E+22	2,542666E+22	2,410462E+22	2,176576E+22	1,903693E+22	1,714392E+22	1,714384E+22	1,903684E+22	2,176577E+22
903	2,410466E+22	2,542661E+22	2,587225E+22	2,587237E+22	2,542659E+22	2,410431E+22	2,176547E+22	1,903666E+22	1,714364E+22	1,714370E+22	1,903677E+22	2,176548E+22
904	2,410397E+22	2,542549E+22	2,587068E+22	2,587103E+22	2,542613E+22	2,410444E+22	2,176570E+22	1,903675E+22	1,714348E+22	1,714333E+22	1,903641E+22	2,176534E+22
905	2,410423E+22	2,542650E+22	2,587225E+22	2,587223E+22	2,542687E+22	2,410489E+22	2,176572E+22	1,903643E+22	1,714311E+22	1,714315E+22	1,903654E+22	2,176572E+22
906	2,410456E+22	2,542638E+22	2,587171E+22	2,587131E+22	2,542564E+22	2,410404E+22	2,176557E+22	1,903666E+22	1,714336E+22	1,714323E+22	1,903630E+22	2,176516E+22
907	2,410387E+22	2,542559E+22	2,587106E+22	2,587133E+22	2,542604E+22	2,410426E+22	2,176558E+22	1,903665E+22	1,714336E+22	1,714318E+22	1,903622E+22	2,176522E+22
908	2,410440E+22	2,542681E+22	2,587250E+22	2,587259E+22	2,542696E+22	2,410442E+22	2,176514E+22	1,903613E+22	1,714315E+22	1,714337E+22	1,903668E+22	2,176565E+22
909	2,410435E+22	2,542606E+22	2,587110E+22	2,587082E+22	2,542566E+22	2,410408E+22	2,176532E+22	1,903637E+22	1,714327E+22	1,714338E+22	1,903662E+22	2,176550E+22
910	2,410401E+22	2,542579E+22	2,587157E+22	2,587180E+22	2,542639E+22	2,410456E+22	2,176575E+22	1,903672E+22	1,714345E+22	1,714331E+22	1,903649E+22	2,176572E+22
911	2,410488E+22	2,542688E+22	2,587232E+22	2,587229E+22	2,542651E+22	2,410427E+22	2,176551E+22	1,903676E+22	1,714374E+22	1,714377E+22	1,903678E+22	2,176552E+22
912	2,410418E+22	2,542588E+22	2,587098E+22	2,587089E+22	2,542571E+22	2,410411E+22	2,176570E+22	1,903718E+22	1,714423E+22	1,714409E+22	1,903682E+22	2,176529E+22
913	2,410394E+22	2,542630E+22	2,587235E+22	2,587239E+22	2,542681E+22	2,410478E+22	2,176593E+22	1,903721E+22	1,714437E+22	1,714443E+22	1,903735E+22	2,176590E+22
914	2,410441E+22	2,542629E+22	2,587193E+22	2,587183E+22	2,542605E+22	2,410418E+22	2,176583E+22	1,903753E+22	1,714490E+22	1,714496E+22	1,903761E+22	2,176574E+22
915	2,410380E+22	2,542523E+22	2,587067E+22	2,587107E+22	2,542603E+22	2,410451E+22	2,176617E+22	1,903784E+22	1,714511E+22	1,714500E+22	1,903756E+22	2,176586E+22
916	2,410435E+22	2,542638E+22	2,587215E+22	2,587233E+22	2,542688E+22	2,410476E+22	2,176603E+22	1,903762E+22	1,714503E+22	1,714514E+22	1,903791E+22	2,176634E+22
917	2,410473E+22	2,542623E+22	2,587120E+22	2,587072E+22	2,542528E+22	2,410396E+22	2,176596E+22	1,903786E+22	1,714527E+22	1,714523E+22	1,903777E+22	2,176592E+22
918	2,410411E+22	2,542576E+22	2,587140E+22	2,587146E+22	2,542587E+22	2,410421E+22	2,176611E+22	1,903800E+22	1,714528E+22	1,714502E+22	1,903747E+22	2,176584E+22
919	2,410462E+22	2,542686E+22	2,587259E+22	2,587252E+22	2,542658E+22	2,410419E+22	2,176563E+22	1,903749E+22	1,714503E+22	1,714514E+22	1,903776E+22	2,176588E+22
920	2,410408E+22	2,542579E+22	2,587118E+22	2,587102E+22	2,542568E+22	2,410404E+22	2,176564E+22	1,903738E+22	1,714479E+22	1,714479E+22	1,903741E+22	2,176560E+22
921	2,410383E+22	2,542578E+22	2,587189E+22	2,587221E+22	2,542677E+22	2,410485E+22	2,176602E+22	1,903723E+22	1,714432E+22	1,714435E+22	1,903730E+22	2,176599E+22
922	2,410465E+22	2,542639E+22	2,587185E+22	2,587189E+22	2,542627E+22	2,410431E+22	2,176578E+22	1,903725E+22	1,714435E+22	1,714431E+22	1,903712E+22	2,176560E+22
923	2,410403E+22	2,542554E+22	2,587064E+22	2,587067E+22	2,542572E+22	2,410431E+22	2,176590E+22	1,903732E+22	1,714426E+22	1,714399E+22	1,903669E+22	2,176528E+22
924	2,410404E+22	2,542633E+22	2,587225E+22	2,587225E+22	2,542673E+22	2,410468E+22	2,176577E+22	1,903696E+22	1,714398E+22	1,714396E+22	1,903691E+22	2,176570E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410448E+22	2,542629E+22	2,587162E+22	2,587121E+22	2,542548E+22	2,410378E+22	2,176542E+22	1,903691E+22	1,714404E+22	1,714408E+22	1,903696E+22	2,176544E+22
926	2,410379E+22	2,542539E+22	2,587102E+22	2,587135E+22	2,542599E+22	2,410412E+22	2,176556E+22	1,903700E+22	1,714402E+22	1,714389E+22	1,903676E+22	2,176548E+22
927	2,410434E+22	2,542652E+22	2,587223E+22	2,587241E+22	2,542691E+22	2,410453E+22	2,176544E+22	1,903666E+22	1,714384E+22	1,714405E+22	1,903718E+22	2,176590E+22
928	2,410438E+22	2,542597E+22	2,587112E+22	2,587077E+22	2,542551E+22	2,410401E+22	2,176550E+22	1,903688E+22	1,714399E+22	1,714400E+22	1,903694E+22	2,176558E+22
929	2,410403E+22	2,542579E+22	2,587160E+22	2,587174E+22	2,542631E+22	2,410460E+22	2,176600E+22	1,903726E+22	1,714422E+22	1,714410E+22	1,903697E+22	2,176574E+22
930	2,410470E+22	2,542673E+22	2,587225E+22	2,587213E+22	2,542627E+22	2,410417E+22	2,176575E+22	1,903746E+22	1,714477E+22	1,714477E+22	1,903741E+22	2,176564E+22
931	2,410397E+22	2,542567E+22	2,587095E+22	2,587084E+22	2,542561E+22	2,410405E+22	2,176583E+22	1,903775E+22	1,714517E+22	1,714505E+22	1,903745E+22	2,176545E+22
932	2,410367E+22	2,542579E+22	2,587199E+22	2,587231E+22	2,542687E+22	2,410487E+22	2,176614E+22	1,903776E+22	1,714525E+22	1,714534E+22	1,903794E+22	2,176619E+22
933	2,410454E+22	2,542614E+22	2,587154E+22	2,587136E+22	2,542570E+22	2,410406E+22	2,176596E+22	1,903796E+22	1,714560E+22	1,714575E+22	1,903824E+22	2,176613E+22
934	2,410401E+22	2,542530E+22	2,587061E+22	2,587078E+22	2,542557E+22	2,410413E+22	2,176624E+22	1,903842E+22	1,714591E+22	1,714566E+22	1,903792E+22	2,176595E+22
935	2,410436E+22	2,542643E+22	2,587215E+22	2,587215E+22	2,542655E+22	2,410454E+22	2,176614E+22	1,903818E+22	1,714587E+22	1,714590E+22	1,903829E+22	2,176631E+22
936	2,410453E+22	2,542619E+22	2,587153E+22	2,587099E+22	2,542516E+22	2,410364E+22	2,176583E+22	1,903816E+22	1,714593E+22	1,714591E+22	1,903813E+22	2,176586E+22
937	2,410384E+22	2,542553E+22	2,587147E+22	2,587177E+22	2,542615E+22	2,410430E+22	2,176612E+22	1,903819E+22	1,714578E+22	1,714571E+22	1,903802E+22	2,176594E+22
938	2,410434E+22	2,542645E+22	2,587226E+22	2,587237E+22	2,542663E+22	2,410442E+22	2,176593E+22	1,903792E+22	1,714564E+22	1,714580E+22	1,903827E+22	2,176612E+22
939	2,410402E+22	2,542552E+22	2,587089E+22	2,587075E+22	2,542558E+22	2,410424E+22	2,176603E+22	1,903793E+22	1,714541E+22	1,714533E+22	1,903773E+22	2,176570E+22
940	2,410376E+22	2,542550E+22	2,587154E+22	2,587197E+22	2,542665E+22	2,410493E+22	2,176637E+22	1,903788E+22	1,714512E+22	1,714499E+22	1,903753E+22	2,176600E+22
941	2,410474E+22	2,542644E+22	2,587167E+22	2,587145E+22	2,542576E+22	2,410402E+22	2,176584E+22	1,903770E+22	1,714512E+22	1,714511E+22	1,903762E+22	2,176572E+22
942	2,410398E+22	2,542555E+22	2,587075E+22	2,587065E+22	2,542533E+22	2,410383E+22	2,176580E+22	1,903780E+22	1,714507E+22	1,714479E+22	1,903720E+22	2,176537E+22
943	2,410386E+22	2,542609E+22	2,587212E+22	2,587224E+22	2,542666E+22	2,410452E+22	2,176572E+22	1,903730E+22	1,714471E+22	1,714479E+22	1,903756E+22	2,176598E+22
944	2,410436E+22	2,542602E+22	2,587156E+22	2,587127E+22	2,542544E+22	2,410370E+22	2,176536E+22	1,903708E+22	1,714452E+22	1,714469E+22	1,903748E+22	2,176577E+22
945	2,410392E+22	2,542530E+22	2,587089E+22	2,587132E+22	2,542603E+22	2,410426E+22	2,176577E+22	1,903728E+22	1,714445E+22	1,714444E+22	1,903724E+22	2,176571E+22
946	2,410444E+22	2,542652E+22	2,587205E+22	2,587207E+22	2,542657E+22	2,410449E+22	2,176576E+22	1,903730E+22	1,714463E+22	1,714471E+22	1,903751E+22	2,176595E+22
947	2,410437E+22	2,542605E+22	2,587122E+22	2,587066E+22	2,542525E+22	2,410395E+22	2,176574E+22	1,903754E+22	1,714490E+22	1,714478E+22	1,903724E+22	2,176541E+22
948	2,410370E+22	2,542555E+22	2,587159E+22	2,587190E+22	2,542635E+22	2,410457E+22	2,176619E+22	1,903791E+22	1,714524E+22	1,714504E+22	1,903738E+22	2,176564E+22
949	2,410443E+22	2,542644E+22	2,587201E+22	2,587198E+22	2,542612E+22	2,410405E+22	2,176579E+22	1,903791E+22	1,714566E+22	1,714579E+22	1,903816E+22	2,176590E+22
950	2,410381E+22	2,542534E+22	2,587073E+22	2,587073E+22	2,542543E+22	2,410392E+22	2,176600E+22	1,903834E+22	1,714603E+22	1,714591E+22	1,903810E+22	2,176576E+22
951	2,410364E+22	2,542548E+22	2,587157E+22	2,587197E+22	2,542662E+22	2,410484E+22	2,176643E+22	1,903840E+22	1,714612E+22	1,714618E+22	1,903854E+22	2,176648E+22
952	2,410457E+22	2,542608E+22	2,587151E+22	2,587121E+22	2,542537E+22	2,410380E+22	2,176601E+22	1,903842E+22	1,714635E+22	1,714647E+22	1,903868E+22	2,176629E+22
953	2,410410E+22	2,542542E+22	2,587073E+22	2,587079E+22	2,542543E+22	2,410402E+22	2,176629E+22	1,903875E+22	1,714657E+22	1,714645E+22	1,903845E+22	2,176600E+22
954	2,410420E+22	2,542635E+22	2,587218E+22	2,587211E+22	2,542634E+22	2,410437E+22	2,176625E+22	1,903868E+22	1,714668E+22	1,714675E+22	1,903884E+22	2,176643E+22
955	2,410434E+22	2,542600E+22	2,587152E+22	2,587113E+22	2,542530E+22	2,410373E+22	2,176591E+22	1,903853E+22	1,714660E+22	1,714662E+22	1,903859E+22	2,176597E+22
956	2,410361E+22	2,542510E+22	2,587113E+22	2,587177E+22	2,542636E+22	2,410458E+22	2,176643E+22	1,903864E+22	1,714642E+22	1,714632E+22	1,903836E+22	2,176608E+22
957	2,410440E+22	2,542628E+22	2,587184E+22	2,587192E+22	2,542633E+22	2,410442E+22	2,176619E+22	1,903838E+22	1,714624E+22	1,714639E+22	1,903869E+22	2,176634E+22
958	2,410412E+22	2,542555E+22	2,587078E+22	2,587048E+22	2,542511E+22	2,410391E+22	2,176621E+22	1,903856E+22	1,714616E+22	1,714592E+22	1,903801E+22	2,176571E+22
959	2,410367E+22	2,542542E+22	2,587139E+22	2,587172E+22	2,542627E+22	2,410467E+22	2,176649E+22	1,903844E+22	1,714596E+22	1,714578E+22	1,903797E+22	2,176599E+22
960	2,410447E+22	2,542633E+22	2,587185E+22	2,587159E+22	2,542554E+22	2,410365E+22	2,176566E+22	1,903794E+22	1,714574E+22	1,714583E+22	1,903813E+22	2,176583E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410383E+22	2,542540E+22	2,587073E+22	2,587079E+22	2,542545E+22	2,410382E+22	2,176572E+22	1,903787E+22	1,714551E+22	1,714550E+22	1,903783E+22	2,176561E+22
962	2,410375E+22	2,542585E+22	2,587186E+22	2,587205E+22	2,542655E+22	2,410460E+22	2,176595E+22	1,903771E+22	1,714530E+22	1,714544E+22	1,903808E+22	2,176629E+22
963	2,410446E+22	2,542597E+22	2,587142E+22	2,587116E+22	2,542539E+22	2,410380E+22	2,176562E+22	1,903756E+22	1,714513E+22	1,714521E+22	1,903774E+22	2,176582E+22
964	2,410389E+22	2,542520E+22	2,587071E+22	2,587122E+22	2,542599E+22	2,410436E+22	2,176613E+22	1,903795E+22	1,714529E+22	1,714508E+22	1,903742E+22	2,176562E+22
965	2,410440E+22	2,542653E+22	2,587199E+22	2,587182E+22	2,542621E+22	2,410432E+22	2,176595E+22	1,903789E+22	1,714552E+22	1,714560E+22	1,903803E+22	2,176597E+22
966	2,410414E+22	2,542593E+22	2,587130E+22	2,587076E+22	2,542498E+22	2,410358E+22	2,176583E+22	1,903822E+22	1,714589E+22	1,714574E+22	1,903785E+22	2,176547E+22
967	2,410335E+22	2,542510E+22	2,587124E+22	2,587180E+22	2,542632E+22	2,410455E+22	2,176633E+22	1,903846E+22	1,714620E+22	1,714611E+22	1,903819E+22	2,176594E+22
968	2,410419E+22	2,542605E+22	2,587178E+22	2,587185E+22	2,542597E+22	2,410397E+22	2,176585E+22	1,903825E+22	1,714634E+22	1,714661E+22	1,903885E+22	2,176632E+22
969	2,410396E+22	2,542525E+22	2,587048E+22	2,587051E+22	2,542526E+22	2,410389E+22	2,176616E+22	1,903869E+22	1,714664E+22	1,714665E+22	1,903869E+22	2,176606E+22
970	2,410379E+22	2,542554E+22	2,587142E+22	2,587159E+22	2,542615E+22	2,410462E+22	2,176664E+22	1,903903E+22	1,714698E+22	1,714695E+22	1,903899E+22	2,176664E+22
971	2,410464E+22	2,542623E+22	2,587165E+22	2,587121E+22	2,542519E+22	2,410363E+22	2,176608E+22	1,903893E+22	1,714716E+22	1,714720E+22	1,903902E+22	2,176622E+22
972	2,410386E+22	2,542528E+22	2,587081E+22	2,587106E+22	2,542559E+22	2,410404E+22	2,176644E+22	1,903925E+22	1,714736E+22	1,714720E+22	1,903882E+22	2,176599E+22
973	2,410401E+22	2,542612E+22	2,587202E+22	2,587205E+22	2,542631E+22	2,410440E+22	2,176637E+22	1,903903E+22	1,714734E+22	1,714751E+22	1,903943E+22	2,176664E+22
974	2,410419E+22	2,542573E+22	2,587134E+22	2,587108E+22	2,542520E+22	2,410373E+22	2,176624E+22	1,903912E+22	1,714728E+22	1,714724E+22	1,903901E+22	2,176612E+22
975	2,410352E+22	2,542482E+22	2,587069E+22	2,587143E+22	2,542620E+22	2,410465E+22	2,176680E+22	1,903929E+22	1,714721E+22	1,714702E+22	1,903879E+22	2,176618E+22
976	2,410426E+22	2,542617E+22	2,587174E+22	2,587167E+22	2,542597E+22	2,410418E+22	2,176626E+22	1,903882E+22	1,714693E+22	1,714703E+22	1,903906E+22	2,176643E+22
977	2,410411E+22	2,542560E+22	2,587084E+22	2,587043E+22	2,542488E+22	2,410368E+22	2,176620E+22	1,903885E+22	1,714680E+22	1,714669E+22	1,903855E+22	2,176580E+22
978	2,410351E+22	2,542532E+22	2,587136E+22	2,587161E+22	2,542593E+22	2,410431E+22	2,176645E+22	1,903884E+22	1,714669E+22	1,714658E+22	1,903858E+22	2,176622E+22
979	2,410435E+22	2,542613E+22	2,587173E+22	2,587164E+22	2,542562E+22	2,410362E+22	2,176561E+22	1,903816E+22	1,714628E+22	1,714647E+22	1,903862E+22	2,176606E+22
980	2,410376E+22	2,542517E+22	2,587050E+22	2,587079E+22	2,542561E+22	2,410402E+22	2,176595E+22	1,903819E+22	1,714600E+22	1,714598E+22	1,903813E+22	2,176581E+22
981	2,410391E+22	2,542583E+22	2,587160E+22	2,587167E+22	2,542623E+22	2,410451E+22	2,176616E+22	1,903814E+22	1,714587E+22	1,714598E+22	1,903843E+22	2,176643E+22
982	2,410452E+22	2,542608E+22	2,587148E+22	2,587108E+22	2,542506E+22	2,410353E+22	2,176586E+22	1,903825E+22	1,714594E+22	1,714582E+22	1,903797E+22	2,176570E+22
983	2,410367E+22	2,542509E+22	2,587064E+22	2,587116E+22	2,542581E+22	2,410422E+22	2,176634E+22	1,903862E+22	1,714628E+22	1,714601E+22	1,903791E+22	2,176550E+22
984	2,410388E+22	2,542621E+22	2,587205E+22	2,587197E+22	2,542613E+22	2,410411E+22	2,176594E+22	1,903831E+22	1,714634E+22	1,714651E+22	1,903866E+22	2,176611E+22
985	2,410387E+22	2,542558E+22	2,587111E+22	2,587081E+22	2,542511E+22	2,410365E+22	2,176593E+22	1,903852E+22	1,714660E+22	1,714670E+22	1,903865E+22	2,176580E+22
986	2,410322E+22	2,542475E+22	2,587080E+22	2,587139E+22	2,542603E+22	2,410454E+22	2,176667E+22	1,903908E+22	1,714704E+22	1,714698E+22	1,903891E+22	2,176639E+22
987	2,410433E+22	2,542596E+22	2,587147E+22	2,587156E+22	2,542581E+22	2,410395E+22	2,176609E+22	1,903884E+22	1,714714E+22	1,714734E+22	1,903930E+22	2,176654E+22
988	2,410407E+22	2,542531E+22	2,587040E+22	2,587035E+22	2,542511E+22	2,410387E+22	2,176642E+22	1,903931E+22	1,714750E+22	1,714737E+22	1,903902E+22	2,176614E+22
989	2,410388E+22	2,542568E+22	2,587149E+22	2,587142E+22	2,542576E+22	2,410430E+22	2,176670E+22	1,903955E+22	1,714784E+22	1,714782E+22	1,903954E+22	2,176676E+22
990	2,410451E+22	2,542621E+22	2,587186E+22	2,587147E+22	2,542508E+22	2,410331E+22	2,176613E+22	1,903950E+22	1,714800E+22	1,714801E+22	1,903952E+22	2,176628E+22
991	2,410356E+22	2,542491E+22	2,587056E+22	2,587106E+22	2,542572E+22	2,410416E+22	2,176664E+22	1,903974E+22	1,714817E+22	1,714806E+22	1,903944E+22	2,176615E+22
992	2,410370E+22	2,542577E+22	2,587186E+22	2,587194E+22	2,542624E+22	2,410444E+22	2,176657E+22	1,903941E+22	1,714790E+22	1,714812E+22	1,903990E+22	2,176689E+22
993	2,410425E+22	2,542564E+22	2,587112E+22	2,587083E+22	2,542503E+22	2,410370E+22	2,176644E+22	1,903950E+22	1,714786E+22	1,714787E+22	1,903942E+22	2,176622E+22
994	2,410349E+22	2,542478E+22	2,587048E+22	2,587097E+22	2,542570E+22	2,410439E+22	2,176701E+22	1,903992E+22	1,714803E+22	1,714774E+22	1,903919E+22	2,176627E+22
995	2,410419E+22	2,542614E+22	2,587174E+22	2,587164E+22	2,542581E+22	2,410391E+22	2,176620E+22	1,903920E+22	1,714763E+22	1,714771E+22	1,903941E+22	2,176640E+22
996	2,410386E+22	2,542540E+22	2,587080E+22	2,587057E+22	2,542498E+22	2,410361E+22	2,176619E+22	1,903916E+22	1,714741E+22	1,714731E+22	1,903894E+22	2,176594E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410342E+22	2,542510E+22	2,587118E+22	2,587146E+22	2,542582E+22	2,410421E+22	2,176646E+22	1,903907E+22	1,714720E+22	1,714722E+22	1,903915E+22	2,176656E+22
998	2,410437E+22	2,542600E+22	2,587163E+22	2,587159E+22	2,542548E+22	2,410352E+22	2,176585E+22	1,903865E+22	1,714682E+22	1,714695E+22	1,903894E+22	2,176621E+22
999	2,410375E+22	2,542502E+22	2,587023E+22	2,587055E+22	2,542552E+22	2,410409E+22	2,176629E+22	1,903881E+22	1,714675E+22	1,714662E+22	1,903847E+22	2,176581E+22
1000	2,410370E+22	2,542579E+22	2,587166E+22	2,587154E+22	2,542598E+22	2,410436E+22	2,176630E+22	1,903861E+22	1,714658E+22	1,714663E+22	1,903875E+22	2,176641E+22
1001	2,410438E+22	2,542606E+22	2,587156E+22	2,587111E+22	2,542498E+22	2,410340E+22	2,176594E+22	1,903867E+22	1,714674E+22	1,714673E+22	1,903853E+22	2,176571E+22
1002	2,410334E+22	2,542480E+22	2,587048E+22	2,587100E+22	2,542562E+22	2,410404E+22	2,176647E+22	1,903923E+22	1,714724E+22	1,714701E+22	1,903865E+22	2,176581E+22
1003	2,410369E+22	2,542580E+22	2,587168E+22	2,587187E+22	2,542624E+22	2,410414E+22	2,176603E+22	1,903873E+22	1,714711E+22	1,714735E+22	1,903932E+22	2,176646E+22
1004	2,410386E+22	2,542530E+22	2,587075E+22	2,587058E+22	2,542509E+22	2,410378E+22	2,176625E+22	1,903907E+22	1,714732E+22	1,714738E+22	1,903916E+22	2,176620E+22
1005	2,410350E+22	2,542480E+22	2,587059E+22	2,587090E+22	2,542549E+22	2,410424E+22	2,176683E+22	1,903965E+22	1,714783E+22	1,714774E+22	1,903944E+22	2,176668E+22
1006	2,410451E+22	2,542617E+22	2,587165E+22	2,587145E+22	2,542535E+22	2,410355E+22	2,176625E+22	1,903953E+22	1,714804E+22	1,714809E+22	1,903965E+22	2,176651E+22
1007	2,410393E+22	2,542533E+22	2,587054E+22	2,587043E+22	2,542502E+22	2,410371E+22	2,176653E+22	1,903990E+22	1,714846E+22	1,714831E+22	1,903952E+22	2,176605E+22
1008	2,410344E+22	2,542548E+22	2,587166E+22	2,587163E+22	2,542580E+22	2,410415E+22	2,176666E+22	1,903989E+22	1,714855E+22	1,714863E+22	1,904009E+22	2,176687E+22
1009	2,410428E+22	2,542592E+22	2,587175E+22	2,587160E+22	2,542535E+22	2,410351E+22	2,176629E+22	1,903981E+22	1,714864E+22	1,714882E+22	1,904012E+22	2,176647E+22
1010	2,410338E+22	2,542456E+22	2,587020E+22	2,587073E+22	2,542555E+22	2,410422E+22	2,176702E+22	1,904039E+22	1,714895E+22	1,714880E+22	1,903997E+22	2,176643E+22
1011	2,410366E+22	2,542548E+22	2,587146E+22	2,587165E+22	2,542615E+22	2,410444E+22	2,176681E+22	1,903998E+22	1,714865E+22	1,714875E+22	1,904023E+22	2,176697E+22
1012	2,410419E+22	2,542555E+22	2,587097E+22	2,587062E+22	2,542487E+22	2,410368E+22	2,176668E+22	1,904007E+22	1,714863E+22	1,714851E+22	1,903975E+22	2,176632E+22
1013	2,410348E+22	2,542476E+22	2,587045E+22	2,587068E+22	2,542518E+22	2,410393E+22	2,176694E+22	1,904032E+22	1,714878E+22	1,714855E+22	1,903976E+22	2,176648E+22
1014	2,410411E+22	2,542604E+22	2,587181E+22	2,587170E+22	2,542562E+22	2,410356E+22	2,176615E+22	1,903959E+22	1,714828E+22	1,714841E+22	1,903991E+22	2,176659E+22
1015	2,410374E+22	2,542512E+22	2,587059E+22	2,587050E+22	2,542507E+22	2,410368E+22	2,176626E+22	1,903944E+22	1,714798E+22	1,714798E+22	1,903946E+22	2,176615E+22
1016	2,410331E+22	2,542495E+22	2,587109E+22	2,587132E+22	2,542570E+22	2,410416E+22	2,176653E+22	1,903931E+22	1,714758E+22	1,714763E+22	1,903946E+22	2,176678E+22
1017	2,410452E+22	2,542606E+22	2,587159E+22	2,587148E+22	2,542542E+22	2,410351E+22	2,176601E+22	1,903900E+22	1,714736E+22	1,714748E+22	1,903919E+22	2,176619E+22
1018	2,410366E+22	2,542501E+22	2,587021E+22	2,587028E+22	2,542517E+22	2,410392E+22	2,176654E+22	1,903948E+22	1,714762E+22	1,714736E+22	1,903883E+22	2,176578E+22
1019	2,410344E+22	2,542556E+22	2,587161E+22	2,587162E+22	2,542601E+22	2,410425E+22	2,176638E+22	1,903914E+22	1,714742E+22	1,714743E+22	1,903915E+22	2,176633E+22
1020	2,410400E+22	2,542572E+22	2,587144E+22	2,587118E+22	2,542515E+22	2,410352E+22	2,176613E+22	1,903919E+22	1,714755E+22	1,714754E+22	1,903909E+22	2,176595E+22
1021	2,410321E+22	2,542446E+22	2,587016E+22	2,587065E+22	2,542536E+22	2,410395E+22	2,176662E+22	1,903971E+22	1,714803E+22	1,714791E+22	1,903940E+22	2,176627E+22
1022	2,410381E+22	2,542564E+22	2,587147E+22	2,587161E+22	2,542591E+22	2,410398E+22	2,176632E+22	1,903940E+22	1,714792E+22	1,714809E+22	1,903982E+22	2,176676E+22
1023	2,410398E+22	2,542523E+22	2,587051E+22	2,587028E+22	2,542486E+22	2,410369E+22	2,176649E+22	1,903974E+22	1,714826E+22	1,714824E+22	1,903966E+22	2,176631E+22
1024	2,410343E+22	2,542492E+22	2,587081E+22	2,587082E+22	2,542518E+22	2,410392E+22	2,176682E+22	1,904011E+22	1,714862E+22	1,714853E+22	1,903991E+22	2,176679E+22
1025	2,410447E+22	2,542625E+22	2,587191E+22	2,587164E+22	2,542531E+22	2,410334E+22	2,176621E+22	1,903990E+22	1,714885E+22	1,714902E+22	1,904021E+22	2,176653E+22
1026	2,410361E+22	2,542505E+22	2,587050E+22	2,587044E+22	2,542500E+22	2,410365E+22	2,176666E+22	1,904045E+22	1,714936E+22	1,714926E+22	1,904021E+22	2,176630E+22
1027	2,410321E+22	2,542501E+22	2,587132E+22	2,587165E+22	2,542608E+22	2,410435E+22	2,176684E+22	1,904029E+22	1,714923E+22	1,714935E+22	1,904057E+22	2,176705E+22
1028	2,410418E+22	2,542561E+22	2,587137E+22	2,587134E+22	2,542538E+22	2,410376E+22	2,176671E+22	1,904039E+22	1,714931E+22	1,714937E+22	1,904049E+22	2,176672E+22
1029	2,410350E+22	2,542447E+22	2,586991E+22	2,587017E+22	2,542500E+22	2,410397E+22	2,176723E+22	1,904100E+22	1,714975E+22	1,714950E+22	1,904041E+22	2,176664E+22
1030	2,410375E+22	2,542551E+22	2,587148E+22	2,587142E+22	2,542563E+22	2,410404E+22	2,176694E+22	1,904060E+22	1,714946E+22	1,714945E+22	1,904055E+22	2,176694E+22
1031	2,410402E+22	2,542541E+22	2,587096E+22	2,587059E+22	2,542470E+22	2,410345E+22	2,176667E+22	1,904051E+22	1,714944E+22	1,714936E+22	1,904027E+22	2,176632E+22
1032	2,410316E+22	2,542459E+22	2,587056E+22	2,587076E+22	2,542511E+22	2,410369E+22	2,176674E+22	1,904044E+22	1,714926E+22	1,714918E+22	1,904028E+22	2,176672E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1033	2,410407E+22	2,542588E+22	2,587174E+22	2,587173E+22	2,542573E+22	2,410363E+22	2,176616E+22	1,903973E+22	1,714873E+22	1,714901E+22	1,904035E+22	2,176677E+22
1034	2,410370E+22	2,542494E+22	2,587039E+22	2,587024E+22	2,542491E+22	2,410373E+22	2,176657E+22	1,903997E+22	1,714860E+22	1,714852E+22	1,903981E+22	2,176633E+22
1035	2,410335E+22	2,542480E+22	2,587086E+22	2,587120E+22	2,542574E+22	2,410422E+22	2,176674E+22	1,903981E+22	1,714823E+22	1,714813E+22	1,903960E+22	2,176667E+22
1036	2,410440E+22	2,542602E+22	2,587160E+22	2,587141E+22	2,542538E+22	2,410360E+22	2,176631E+22	1,903962E+22	1,714813E+22	1,714808E+22	1,903946E+22	2,176619E+22
1037	2,410349E+22	2,542486E+22	2,587021E+22	2,587011E+22	2,542479E+22	2,410358E+22	2,176659E+22	1,904004E+22	1,714852E+22	1,714829E+22	1,903948E+22	2,176598E+22
1038	2,410325E+22	2,542521E+22	2,587149E+22	2,587159E+22	2,542585E+22	2,410407E+22	2,176650E+22	1,903968E+22	1,714828E+22	1,714834E+22	1,903980E+22	2,176657E+22
1039	2,410385E+22	2,542531E+22	2,587107E+22	2,587096E+22	2,542512E+22	2,410361E+22	2,176633E+22	1,903967E+22	1,714837E+22	1,714847E+22	1,903981E+22	2,176627E+22
1040	2,410320E+22	2,542436E+22	2,587002E+22	2,587031E+22	2,542499E+22	2,410371E+22	2,176666E+22	1,904008E+22	1,714866E+22	1,714858E+22	1,903992E+22	2,176662E+22
1041	2,410408E+22	2,542580E+22	2,587149E+22	2,587143E+22	2,542565E+22	2,410377E+22	2,176635E+22	1,903983E+22	1,714870E+22	1,714887E+22	1,904022E+22	2,176682E+22
1042	2,410398E+22	2,542532E+22	2,587066E+22	2,587018E+22	2,542454E+22	2,410342E+22	2,176658E+22	1,904034E+22	1,714919E+22	1,714910E+22	1,904012E+22	2,176634E+22
1043	2,410323E+22	2,542471E+22	2,587082E+22	2,587106E+22	2,542535E+22	2,410384E+22	2,176682E+22	1,904054E+22	1,714942E+22	1,714933E+22	1,904033E+22	2,176673E+22
1044	2,410412E+22	2,542592E+22	2,587184E+22	2,587181E+22	2,542565E+22	2,410365E+22	2,176649E+22	1,904040E+22	1,714959E+22	1,714974E+22	1,904074E+22	2,176676E+22
1045	2,410344E+22	2,542466E+22	2,587020E+22	2,587015E+22	2,542481E+22	2,410370E+22	2,176697E+22	1,904103E+22	1,715016E+22	1,715010E+22	1,904086E+22	2,176666E+22
1046	2,410323E+22	2,542471E+22	2,587099E+22	2,587135E+22	2,542578E+22	2,410434E+22	2,176729E+22	1,904105E+22	1,715008E+22	1,715007E+22	1,904097E+22	2,176717E+22
1047	2,410417E+22	2,542545E+22	2,587107E+22	2,587096E+22	2,542511E+22	2,410373E+22	2,176700E+22	1,904109E+22	1,715027E+22	1,715024E+22	1,904095E+22	2,176673E+22
1048	2,410337E+22	2,542453E+22	2,587000E+22	2,586993E+22	2,542450E+22	2,410355E+22	2,176715E+22	1,904139E+22	1,715049E+22	1,715027E+22	1,904089E+22	2,176677E+22
1049	2,410374E+22	2,542554E+22	2,587161E+22	2,587150E+22	2,542546E+22	2,410371E+22	2,176674E+22	1,904085E+22	1,715017E+22	1,715028E+22	1,904109E+22	2,176705E+22
1050	2,410384E+22	2,542518E+22	2,587089E+22	2,587058E+22	2,542463E+22	2,410330E+22	2,176664E+22	1,904082E+22	1,715009E+22	1,715012E+22	1,904087E+22	2,176663E+22
1051	2,410312E+22	2,542426E+22	2,587029E+22	2,587081E+22	2,542532E+22	2,410382E+22	2,176680E+22	1,904063E+22	1,714966E+22	1,714964E+22	1,904061E+22	2,176688E+22
1052	2,410412E+22	2,542580E+22	2,587157E+22	2,587159E+22	2,542576E+22	2,410388E+22	2,176652E+22	1,904017E+22	1,714918E+22	1,714932E+22	1,904054E+22	2,176690E+22
1053	2,410378E+22	2,542496E+22	2,587032E+22	2,586991E+22	2,542448E+22	2,410355E+22	2,176678E+22	1,904054E+22	1,714933E+22	1,714914E+22	1,904010E+22	2,176636E+22
1054	2,410331E+22	2,542477E+22	2,587093E+22	2,587113E+22	2,542541E+22	2,410402E+22	2,176696E+22	1,904044E+22	1,714907E+22	1,714885E+22	1,903988E+22	2,176647E+22
1055	2,410404E+22	2,542571E+22	2,587150E+22	2,587143E+22	2,542536E+22	2,410356E+22	2,176644E+22	1,904016E+22	1,714906E+22	1,714904E+22	1,904004E+22	2,176615E+22
1056	2,410310E+22	2,542456E+22	2,587013E+22	2,587007E+22	2,542467E+22	2,410344E+22	2,176654E+22	1,904032E+22	1,714918E+22	1,714911E+22	1,904016E+22	2,176634E+22
1057	2,410327E+22	2,542498E+22	2,587125E+22	2,587143E+22	2,542574E+22	2,410403E+22	2,176654E+22	1,904000E+22	1,714895E+22	1,714914E+22	1,904039E+22	2,176687E+22
1058	2,410390E+22	2,542512E+22	2,587077E+22	2,587059E+22	2,542480E+22	2,410351E+22	2,176657E+22	1,904026E+22	1,714918E+22	1,714925E+22	1,904037E+22	2,176659E+22
1059	2,410335E+22	2,542430E+22	2,586985E+22	2,587023E+22	2,542492E+22	2,410362E+22	2,176673E+22	1,904052E+22	1,714939E+22	1,714926E+22	1,904024E+22	2,176664E+22
1060	2,410406E+22	2,542589E+22	2,587161E+22	2,587142E+22	2,542554E+22	2,410377E+22	2,176656E+22	1,904039E+22	1,714948E+22	1,714957E+22	1,904063E+22	2,176690E+22
1061	2,410383E+22	2,542520E+22	2,587075E+22	2,587019E+22	2,542430E+22	2,410316E+22	2,176664E+22	1,904090E+22	1,715012E+22	1,715006E+22	1,904077E+22	2,176654E+22
1062	2,410308E+22	2,542441E+22	2,587071E+22	2,587111E+22	2,542534E+22	2,410388E+22	2,176706E+22	1,904109E+22	1,715027E+22	1,715020E+22	1,904088E+22	2,176685E+22
1063	2,410390E+22	2,542550E+22	2,587145E+22	2,587161E+22	2,542568E+22	2,410389E+22	2,176688E+22	1,904102E+22	1,715045E+22	1,715062E+22	1,904133E+22	2,176692E+22
1064	2,410336E+22	2,542453E+22	2,587000E+22	2,586980E+22	2,542440E+22	2,410353E+22	2,176716E+22	1,904155E+22	1,715088E+22	1,715079E+22	1,904134E+22	2,176691E+22
1065	2,410339E+22	2,542477E+22	2,587089E+22	2,587107E+22	2,542538E+22	2,410407E+22	2,176733E+22	1,904156E+22	1,715096E+22	1,715089E+22	1,904137E+22	2,176716E+22
1066	2,410404E+22	2,542541E+22	2,587108E+22	2,587079E+22	2,542471E+22	2,410340E+22	2,176705E+22	1,904164E+22	1,715118E+22	1,715115E+22	1,904150E+22	2,176683E+22
1067	2,410320E+22	2,542430E+22	2,586995E+22	2,587015E+22	2,542461E+22	2,410336E+22	2,176698E+22	1,904162E+22	1,715112E+22	1,715098E+22	1,904135E+22	2,176683E+22
1068	2,410355E+22	2,542535E+22	2,587156E+22	2,587161E+22	2,542566E+22	2,410391E+22	2,176688E+22	1,904113E+22	1,715065E+22	1,715081E+22	1,904157E+22	2,176735E+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°
1069	2,410381E+22	2,542496E+22	2,587070E+22	2,587043E+22	2,542446E+22	2,410329E+22	2,176683E+22	1,904122E+22	1,715065E+22	1,715069E+22	1,904134E+22	2,176694E+22
1070	2,410324E+22	2,542415E+22	2,587009E+22	2,587063E+22	2,542514E+22	2,410388E+22	2,176719E+22	1,904120E+22	1,715029E+22	1,715014E+22	1,904082E+22	2,176684E+22
1071	2,410403E+22	2,542571E+22	2,587143E+22	2,587140E+22	2,542565E+22	2,410400E+22	2,176687E+22	1,904080E+22	1,715000E+22	1,715004E+22	1,904085E+22	2,176673E+22
1072	2,410353E+22	2,542498E+22	2,587043E+22	2,586980E+22	2,542407E+22	2,410322E+22	2,176678E+22	1,904095E+22	1,715005E+22	1,714989E+22	1,904057E+22	2,176642E+22
1073	2,410314E+22	2,542460E+22	2,587087E+22	2,587117E+22	2,542530E+22	2,410379E+22	2,176685E+22	1,904079E+22	1,714989E+22	1,714977E+22	1,904048E+22	2,176657E+22
1074	2,410375E+22	2,542531E+22	2,587120E+22	2,587130E+22	2,542526E+22	2,410349E+22	2,176649E+22	1,904054E+22	1,714981E+22	1,714993E+22	1,904078E+22	2,176656E+22
1075	2,410310E+22	2,542416E+22	2,586967E+22	2,586993E+22	2,542467E+22	2,410343E+22	2,176659E+22	1,904058E+22	1,714970E+22	1,714970E+22	1,904062E+22	2,176663E+22
1076	2,410345E+22	2,542502E+22	2,587106E+22	2,587116E+22	2,542553E+22	2,410408E+22	2,176685E+22	1,904051E+22	1,714953E+22	1,714961E+22	1,904075E+22	2,176714E+22
1077	2,410407E+22	2,542526E+22	2,587079E+22	2,587033E+22	2,542428E+22	2,410316E+22	2,176666E+22	1,904083E+22	1,715001E+22	1,715000E+22	1,904079E+22	2,176669E+22
1078	2,410337E+22	2,542438E+22	2,587004E+22	2,587028E+22	2,542466E+22	2,410344E+22	2,176692E+22	1,904110E+22	1,715026E+22	1,715006E+22	1,904060E+22	2,176647E+22
1079	2,410370E+22	2,542566E+22	2,587162E+22	2,587159E+22	2,542567E+22	2,410386E+22	2,176677E+22	1,904095E+22	1,715042E+22	1,715055E+22	1,904120E+22	2,176682E+22
1080	2,410342E+22	2,542493E+22	2,587067E+22	2,587021E+22	2,542426E+22	2,410316E+22	2,176677E+22	1,904131E+22	1,715087E+22	1,715091E+22	1,904141E+22	2,176681E+22
1081	2,410302E+22	2,542413E+22	2,587039E+22	2,587096E+22	2,542529E+22	2,410395E+22	2,176729E+22	1,904166E+22	1,715115E+22	1,715107E+22	1,904143E+22	2,176702E+22
1082	2,410379E+22	2,542522E+22	2,587108E+22	2,587125E+22	2,542537E+22	2,410384E+22	2,176723E+22	1,904177E+22	1,715142E+22	1,715152E+22	1,904192E+22	2,176717E+22
1083	2,410337E+22	2,542435E+22	2,586977E+22	2,586967E+22	2,542421E+22	2,410335E+22	2,176725E+22	1,904206E+22	1,715170E+22	1,715157E+22	1,904177E+22	2,176698E+22
1084	2,410335E+22	2,542482E+22	2,587096E+22	2,587100E+22	2,542513E+22	2,410391E+22	2,176747E+22	1,904207E+22	1,715169E+22	1,715163E+22	1,904193E+22	2,176738E+22
1085	2,410391E+22	2,542527E+22	2,587108E+22	2,587077E+22	2,542444E+22	2,410305E+22	2,176696E+22	1,904202E+22	1,715196E+22	1,715203E+22	1,904220E+22	2,176717E+22
1086	2,410319E+22	2,542413E+22	2,586984E+22	2,587015E+22	2,542462E+22	2,410342E+22	2,176712E+22	1,904190E+22	1,715168E+22	1,715164E+22	1,904182E+22	2,176702E+22
1087	2,410349E+22	2,542513E+22	2,587127E+22	2,587143E+22	2,542567E+22	2,410413E+22	2,176721E+22	1,904156E+22	1,715123E+22	1,715140E+22	1,904194E+22	2,176742E+22
1088	2,410382E+22	2,542502E+22	2,587064E+22	2,587023E+22	2,542415E+22	2,410314E+22	2,176698E+22	1,904162E+22	1,715116E+22	1,715114E+22	1,904159E+22	2,176703E+22
1089	2,410333E+22	2,542428E+22	2,587011E+22	2,587053E+22	2,542488E+22	2,410365E+22	2,176722E+22	1,904167E+22	1,715104E+22	1,715077E+22	1,904102E+22	2,176662E+22
1090	2,410367E+22	2,542550E+22	2,587137E+22	2,587134E+22	2,542540E+22	2,410378E+22	2,176698E+22	1,904133E+22	1,715083E+22	1,715086E+22	1,904133E+22	2,176673E+22
1091	2,410319E+22	2,542455E+22	2,587023E+22	2,586999E+22	2,542421E+22	2,410313E+22	2,176673E+22	1,904121E+22	1,715065E+22	1,715060E+22	1,904107E+22	2,176653E+22
1092	2,410293E+22	2,542432E+22	2,587060E+22	2,587104E+22	2,542530E+22	2,410393E+22	2,176708E+22	1,904115E+22	1,715041E+22	1,715037E+22	1,904107E+22	2,176697E+22
1093	2,410374E+22	2,542506E+22	2,587086E+22	2,587093E+22	2,542490E+22	2,410335E+22	2,176669E+22	1,904104E+22	1,715050E+22	1,715065E+22	1,904136E+22	2,176697E+22
1094	2,410335E+22	2,542420E+22	2,586950E+22	2,586965E+22	2,542437E+22	2,410337E+22	2,176686E+22	1,904112E+22	1,715042E+22	1,715033E+22	1,904093E+22	2,176667E+22
1095	2,410345E+22	2,542510E+22	2,587106E+22	2,587102E+22	2,542531E+22	2,410401E+22	2,176709E+22	1,904113E+22	1,715042E+22	1,715043E+22	1,904113E+22	2,176702E+22
1096	2,410389E+22	2,542539E+22	2,587104E+22	2,587042E+22	2,542399E+22	2,410280E+22	2,176664E+22	1,904126E+22	1,715080E+22	1,715083E+22	1,904132E+22	2,176678E+22
1097	2,410319E+22	2,542426E+22	2,587009E+22	2,587049E+22	2,542470E+22	2,410328E+22	2,176687E+22	1,904156E+22	1,715119E+22	1,715103E+22	1,904120E+22	2,176652E+22
1098	2,410330E+22	2,542519E+22	2,587133E+22	2,587153E+22	2,542571E+22	2,410399E+22	2,176705E+22	1,904151E+22	1,715131E+22	1,715152E+22	1,904195E+22	2,176715E+22
1099	2,410332E+22	2,542448E+22	2,587022E+22	2,587010E+22	2,542430E+22	2,410325E+22	2,176703E+22	1,904181E+22	1,715158E+22	1,715164E+22	1,904193E+22	2,176705E+22
1100	2,410309E+22	2,542409E+22	2,587012E+22	2,587059E+22	2,542503E+22	2,410398E+22	2,176768E+22	1,904234E+22	1,715192E+22	1,715175E+22	1,904193E+22	2,176728E+22
1101	2,410381E+22	2,542520E+22	2,587099E+22	2,587093E+22	2,542483E+22	2,410344E+22	2,176732E+22	1,904241E+22	1,715240E+22	1,715244E+22	1,904249E+22	2,176737E+22
1102	2,410338E+22	2,542436E+22	2,586982E+22	2,586962E+22	2,542394E+22	2,410312E+22	2,176733E+22	1,904254E+22	1,715253E+22	1,715242E+22	1,904226E+22	2,176700E+22
1103	2,410310E+22	2,542463E+22	2,587094E+22	2,587111E+22	2,542520E+22	2,410390E+22	2,176757E+22	1,904249E+22	1,715247E+22	1,715249E+22	1,904251E+22	2,176747E+22
1104	2,410374E+22	2,542516E+22	2,587104E+22	2,587076E+22	2,542435E+22	2,410295E+22	2,176697E+22	1,904224E+22	1,715244E+22	1,715263E+22	1,904272E+22	2,176749E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410327E+22	2,542405E+22	2,586967E+22	2,587006E+22	2,542457E+22	2,410342E+22	2,176727E+22	1,904233E+22	1,715231E+22	1,715219E+22	1,904212E+22	2,176706E+22
1106	2,410339E+22	2,542498E+22	2,587105E+22	2,587119E+22	2,542551E+22	2,410414E+22	2,176752E+22	1,904215E+22	1,715195E+22	1,715201E+22	1,904225E+22	2,176745E+22
1107	2,410370E+22	2,542483E+22	2,587049E+22	2,587019E+22	2,542406E+22	2,410302E+22	2,176709E+22	1,904205E+22	1,715180E+22	1,715170E+22	1,904181E+22	2,176691E+22
1108	2,410312E+22	2,542423E+22	2,587011E+22	2,587047E+22	2,542473E+22	2,410356E+22	2,176741E+22	1,904217E+22	1,715170E+22	1,715143E+22	1,904152E+22	2,176676E+22
1109	2,410335E+22	2,542514E+22	2,587118E+22	2,587124E+22	2,542519E+22	2,410349E+22	2,176694E+22	1,904174E+22	1,715160E+22	1,715172E+22	1,904203E+22	2,176709E+22
1110	2,410314E+22	2,542427E+22	2,586993E+22	2,586977E+22	2,542412E+22	2,410318E+22	2,176690E+22	1,904153E+22	1,715124E+22	1,715128E+22	1,904161E+22	2,176680E+22
1111	2,410294E+22	2,542416E+22	2,587032E+22	2,587073E+22	2,542511E+22	2,410396E+22	2,176737E+22	1,904164E+22	1,715106E+22	1,715103E+22	1,904151E+22	2,176713E+22
1112	2,410386E+22	2,542526E+22	2,587084E+22	2,587064E+22	2,542443E+22	2,410301E+22	2,176673E+22	1,904144E+22	1,715112E+22	1,715122E+22	1,904171E+22	2,176714E+22
1113	2,410348E+22	2,542444E+22	2,586969E+22	2,586965E+22	2,542414E+22	2,410305E+22	2,176681E+22	1,904161E+22	1,715127E+22	1,715107E+22	1,904123E+22	2,176651E+22
1114	2,410313E+22	2,542495E+22	2,587114E+22	2,587114E+22	2,542526E+22	2,410386E+22	2,176719E+22	1,904167E+22	1,715131E+22	1,715133E+22	1,904168E+22	2,176705E+22
1115	2,410352E+22	2,542493E+22	2,587091E+22	2,587075E+22	2,542431E+22	2,410285E+22	2,176671E+22	1,904163E+22	1,715151E+22	1,715161E+22	1,904186E+22	2,176690E+22
1116	2,410295E+22	2,542396E+22	2,586985E+22	2,587040E+22	2,542482E+22	2,410357E+22	2,176730E+22	1,904213E+22	1,715187E+22	1,715177E+22	1,904188E+22	2,176690E+22
1117	2,410316E+22	2,542477E+22	2,587090E+22	2,587116E+22	2,542542E+22	2,410394E+22	2,176742E+22	1,904225E+22	1,715225E+22	1,715242E+22	1,904261E+22	2,176755E+22
1118	2,410347E+22	2,542442E+22	2,586995E+22	2,586970E+22	2,542399E+22	2,410325E+22	2,176741E+22	1,904251E+22	1,715252E+22	1,715249E+22	1,904240E+22	2,176716E+22
1119	2,410307E+22	2,542412E+22	2,587005E+22	2,587028E+22	2,542464E+22	2,410379E+22	2,176792E+22	1,904302E+22	1,715293E+22	1,715272E+22	1,904246E+22	2,176730E+22
1120	2,410371E+22	2,542529E+22	2,587112E+22	2,587086E+22	2,542443E+22	2,410297E+22	2,176719E+22	1,904280E+22	1,715319E+22	1,715331E+22	1,904313E+22	2,176765E+22
1121	2,410338E+22	2,542433E+22	2,586990E+22	2,586977E+22	2,542395E+22	2,410285E+22	2,176712E+22	1,904283E+22	1,715328E+22	1,715322E+22	1,904280E+22	2,176716E+22
1122	2,410290E+22	2,542431E+22	2,587071E+22	2,587102E+22	2,542520E+22	2,410394E+22	2,176772E+22	1,904285E+22	1,715307E+22	1,715317E+22	1,904305E+22	2,176777E+22
1123	2,410373E+22	2,542486E+22	2,587077E+22	2,587075E+22	2,542443E+22	2,410302E+22	2,176717E+22	1,904259E+22	1,715287E+22	1,715302E+22	1,904293E+22	2,176755E+22
1124	2,410331E+22	2,542414E+22	2,586964E+22	2,586985E+22	2,542439E+22	2,410345E+22	2,176760E+22	1,904288E+22	1,715286E+22	1,715263E+22	1,904237E+22	2,176706E+22
1125	2,410316E+22	2,542484E+22	2,587102E+22	2,587100E+22	2,542512E+22	2,410385E+22	2,176765E+22	1,904275E+22	1,715280E+22	1,715276E+22	1,904262E+22	2,176744E+22
1126	2,410349E+22	2,542467E+22	2,587046E+22	2,587014E+22	2,542397E+22	2,410295E+22	2,176721E+22	1,904249E+22	1,715256E+22	1,715247E+22	1,904223E+22	2,176684E+22
1127	2,410274E+22	2,542388E+22	2,586991E+22	2,587038E+22	2,542475E+22	2,410359E+22	2,176755E+22	1,904260E+22	1,715245E+22	1,715225E+22	1,904207E+22	2,176690E+22
1128	2,410321E+22	2,542491E+22	2,587093E+22	2,587100E+22	2,542497E+22	2,410333E+22	2,176697E+22	1,904203E+22	1,715213E+22	1,715235E+22	1,904260E+22	2,176753E+22
1129	2,410333E+22	2,542422E+22	2,586975E+22	2,586958E+22	2,542393E+22	2,410299E+22	2,176694E+22	1,904198E+22	1,715192E+22	1,715188E+22	1,904198E+22	2,176695E+22
1130	2,410294E+22	2,542411E+22	2,587020E+22	2,587050E+22	2,542487E+22	2,410382E+22	2,176754E+22	1,904217E+22	1,715182E+22	1,715174E+22	1,904194E+22	2,176727E+22
1131	2,410383E+22	2,542519E+22	2,587091E+22	2,587075E+22	2,542436E+22	2,410283E+22	2,176677E+22	1,904183E+22	1,715177E+22	1,715186E+22	1,904204E+22	2,176710E+22
1132	2,410332E+22	2,542446E+22	2,586986E+22	2,586978E+22	2,542415E+22	2,410301E+22	2,176699E+22	1,904211E+22	1,715198E+22	1,715184E+22	1,904182E+22	2,176666E+22
1133	2,410278E+22	2,542454E+22	2,587097E+22	2,587114E+22	2,542526E+22	2,410380E+22	2,176731E+22	1,904221E+22	1,715221E+22	1,715229E+22	1,904239E+22	2,176739E+22
1134	2,410345E+22	2,542460E+22	2,587053E+22	2,587047E+22	2,542435E+22	2,410312E+22	2,176709E+22	1,904218E+22	1,715229E+22	1,715242E+22	1,904242E+22	2,176714E+22
1135	2,410292E+22	2,542375E+22	2,586952E+22	2,586999E+22	2,542459E+22	2,410366E+22	2,176778E+22	1,904290E+22	1,715279E+22	1,715260E+22	1,904237E+22	2,176708E+22
1136	2,410326E+22	2,542485E+22	2,587078E+22	2,587075E+22	2,542486E+22	2,410353E+22	2,176749E+22	1,904284E+22	1,715310E+22	1,715320E+22	1,904310E+22	2,176777E+22
1137	2,410357E+22	2,542455E+22	2,587007E+22	2,586960E+22	2,542362E+22	2,410278E+22	2,176730E+22	1,904307E+22	1,715351E+22	1,715339E+22	1,904286E+22	2,176713E+22
1138	2,410279E+22	2,542395E+22	2,587011E+22	2,587035E+22	2,542452E+22	2,410352E+22	2,176788E+22	1,904347E+22	1,715380E+22	1,715367E+22	1,904312E+22	2,176748E+22
1139	2,410346E+22	2,542492E+22	2,587104E+22	2,587107E+22	2,542462E+22	2,410293E+22	2,176715E+22	1,904303E+22	1,715374E+22	1,715398E+22	1,904362E+22	2,176782E+22
1140	2,410329E+22	2,542419E+22	2,586982E+22	2,586974E+22	2,542405E+22	2,410307E+22	2,176745E+22	1,904325E+22	1,715377E+22	1,715376E+22	1,904329E+22	2,176743E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410282E+22	2,542403E+22	2,587044E+22	2,587081E+22	2,542503E+22	2,410390E+22	2,176801E+22	1,904347E+22	1,715383E+22	1,715381E+22	1,904343E+22	2,176795E+22
1142	2,410380E+22	2,542482E+22	2,587059E+22	2,587045E+22	2,542431E+22	2,410316E+22	2,176752E+22	1,904319E+22	1,715363E+22	1,715364E+22	1,904317E+22	2,176743E+22
1143	2,410309E+22	2,542405E+22	2,586964E+22	2,586966E+22	2,542415E+22	2,410339E+22	2,176789E+22	1,904354E+22	1,715374E+22	1,715344E+22	1,904275E+22	2,176696E+22
1144	2,410289E+22	2,542465E+22	2,587097E+22	2,587091E+22	2,542482E+22	2,410347E+22	2,176755E+22	1,904311E+22	1,715353E+22	1,715357E+22	1,904323E+22	2,176768E+22
1145	2,410337E+22	2,542443E+22	2,587033E+22	2,587012E+22	2,542394E+22	2,410273E+22	2,176706E+22	1,904280E+22	1,715329E+22	1,715326E+22	1,904281E+22	2,176709E+22
1146	2,410263E+22	2,542352E+22	2,586956E+22	2,587010E+22	2,542461E+22	2,410356E+22	2,176766E+22	1,904293E+22	1,715302E+22	1,715294E+22	1,904268E+22	2,176732E+22
1147	2,410335E+22	2,542472E+22	2,587070E+22	2,587083E+22	2,542481E+22	2,410322E+22	2,176706E+22	1,904233E+22	1,715256E+22	1,715276E+22	1,904287E+22	2,176771E+22
1148	2,410356E+22	2,542447E+22	2,586989E+22	2,586944E+22	2,542371E+22	2,410289E+22	2,176711E+22	1,904241E+22	1,715245E+22	1,715236E+22	1,904228E+22	2,176701E+22
1149	2,410282E+22	2,542406E+22	2,587031E+22	2,587048E+22	2,542461E+22	2,410353E+22	2,176758E+22	1,904271E+22	1,715265E+22	1,715250E+22	1,904234E+22	2,176729E+22
1150	2,410367E+22	2,542507E+22	2,587096E+22	2,587083E+22	2,542452E+22	2,410296E+22	2,176693E+22	1,904228E+22	1,715254E+22	1,715263E+22	1,904247E+22	2,176705E+22
1151	2,410295E+22	2,542412E+22	2,586975E+22	2,586974E+22	2,542425E+22	2,410320E+22	2,176732E+22	1,904270E+22	1,715284E+22	1,715272E+22	1,904236E+22	2,176678E+22
1152	2,410260E+22	2,542418E+22	2,587063E+22	2,587084E+22	2,542505E+22	2,410375E+22	2,176755E+22	1,904276E+22	1,715300E+22	1,715309E+22	1,904300E+22	2,176774E+22
1153	2,410356E+22	2,542448E+22	2,587030E+22	2,587019E+22	2,542410E+22	2,410294E+22	2,176725E+22	1,904288E+22	1,715328E+22	1,715325E+22	1,904288E+22	2,176726E+22
1154	2,410286E+22	2,542361E+22	2,586931E+22	2,586960E+22	2,542418E+22	2,410343E+22	2,176795E+22	1,904357E+22	1,715379E+22	1,715356E+22	1,904296E+22	2,176727E+22
1155	2,410319E+22	2,542470E+22	2,587081E+22	2,587074E+22	2,542459E+22	2,410320E+22	2,176746E+22	1,904329E+22	1,715390E+22	1,715402E+22	1,904360E+22	2,176787E+22
1156	2,410349E+22	2,542456E+22	2,587027E+22	2,586974E+22	2,542355E+22	2,410258E+22	2,176729E+22	1,904345E+22	1,715420E+22	1,715423E+22	1,904356E+22	2,176738E+22
1157	2,410257E+22	2,542360E+22	2,586998E+22	2,587038E+22	2,542452E+22	2,410342E+22	2,176787E+22	1,904385E+22	1,715457E+22	1,715455E+22	1,904380E+22	2,176785E+22
1158	2,410351E+22	2,542473E+22	2,587077E+22	2,587086E+22	2,542474E+22	2,410327E+22	2,176748E+22	1,904344E+22	1,715434E+22	1,715459E+22	1,904401E+22	2,176795E+22
1159	2,410327E+22	2,542409E+22	2,586967E+22	2,586948E+22	2,542391E+22	2,410322E+22	2,176790E+22	1,904394E+22	1,715454E+22	1,715438E+22	1,904353E+22	2,176741E+22
1160	2,410282E+22	2,542403E+22	2,587036E+22	2,587053E+22	2,542463E+22	2,410364E+22	2,176812E+22	1,904403E+22	1,715461E+22	1,715447E+22	1,904373E+22	2,176795E+22
1161	2,410372E+22	2,542480E+22	2,587067E+22	2,587044E+22	2,542409E+22	2,410282E+22	2,176749E+22	1,904374E+22	1,715454E+22	1,715444E+22	1,904353E+22	2,176730E+22
1162	2,410268E+22	2,542368E+22	2,586952E+22	2,586964E+22	2,542406E+22	2,410323E+22	2,176791E+22	1,904395E+22	1,715452E+22	1,715432E+22	1,904340E+22	2,176718E+22
1163	2,410264E+22	2,542415E+22	2,587072E+22	2,587090E+22	2,542484E+22	2,410344E+22	2,176754E+22	1,904330E+22	1,715399E+22	1,715415E+22	1,904373E+22	2,176797E+22
1164	2,410343E+22	2,542429E+22	2,587016E+22	2,586994E+22	2,542384E+22	2,410281E+22	2,176728E+22	1,904312E+22	1,715370E+22	1,715378E+22	1,904334E+22	2,176744E+22
1165	2,410273E+22	2,542339E+22	2,586935E+22	2,586983E+22	2,542433E+22	2,410339E+22	2,176777E+22	1,904341E+22	1,715371E+22	1,715355E+22	1,904307E+22	2,176756E+22
1166	2,410359E+22	2,542487E+22	2,587064E+22	2,587053E+22	2,542464E+22	2,410328E+22	2,176726E+22	1,904280E+22	1,715325E+22	1,715335E+22	1,904308E+22	2,176759E+22
1167	2,410342E+22	2,542453E+22	2,587011E+22	2,586946E+22	2,542356E+22	2,410283E+22	2,176735E+22	1,904302E+22	1,715329E+22	1,715312E+22	1,904260E+22	2,176691E+22
1168	2,410261E+22	2,542390E+22	2,587034E+22	2,587055E+22	2,542448E+22	2,410325E+22	2,176750E+22	1,904309E+22	1,715341E+22	1,715331E+22	1,904287E+22	2,176743E+22
1169	2,410348E+22	2,542476E+22	2,587081E+22	2,587085E+22	2,542457E+22	2,410291E+22	2,176698E+22	1,904276E+22	1,715337E+22	1,715347E+22	1,904302E+22	2,176720E+22
1170	2,410273E+22	2,542367E+22	2,586937E+22	2,586945E+22	2,542410E+22	2,410329E+22	2,176763E+22	1,904327E+22	1,715364E+22	1,715357E+22	1,904302E+22	2,176713E+22
1171	2,410261E+22	2,542388E+22	2,587031E+22	2,587055E+22	2,542473E+22	2,410361E+22	2,176772E+22	1,904328E+22	1,715373E+22	1,715376E+22	1,904339E+22	2,176790E+22
1172	2,410366E+22	2,542460E+22	2,587035E+22	2,586998E+22	2,542375E+22	2,410273E+22	2,176740E+22	1,904344E+22	1,715409E+22	1,715409E+22	1,904343E+22	2,176737E+22
1173	2,410272E+22	2,542350E+22	2,586935E+22	2,586957E+22	2,542386E+22	2,410303E+22	2,176787E+22	1,904410E+22	1,715477E+22	1,715455E+22	1,904359E+22	2,176745E+22
1174	2,410312E+22	2,542458E+22	2,587076E+22	2,587075E+22	2,542468E+22	2,410326E+22	2,176752E+22	1,904368E+22	1,715469E+22	1,715488E+22	1,904415E+22	2,176796E+22
1175	2,410326E+22	2,542431E+22	2,587022E+22	2,586979E+22	2,542367E+22	2,410279E+22	2,176760E+22	1,904397E+22	1,715497E+22	1,715501E+22	1,904405E+22	2,176758E+22
1176	2,410257E+22	2,542338E+22	2,586973E+22	2,587019E+22	2,542437E+22	2,410340E+22	2,176809E+22	1,904434E+22	1,715525E+22	1,715521E+22	1,904427E+22	2,176810E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410362E+22	2,542470E+22	2,587064E+22	2,587068E+22	2,542458E+22	2,410321E+22	2,176773E+22	1,904413E+22	1,715522E+22	1,715528E+22	1,904432E+22	2,176792E+22
1178	2,410311E+22	2,542395E+22	2,586954E+22	2,586923E+22	2,542362E+22	2,410315E+22	2,176817E+22	1,904458E+22	1,715545E+22	1,715524E+22	1,904403E+22	2,176747E+22
1179	2,410259E+22	2,542374E+22	2,587030E+22	2,587052E+22	2,542439E+22	2,410339E+22	2,176815E+22	1,904446E+22	1,715534E+22	1,715521E+22	1,904417E+22	2,176798E+22
1180	2,410354E+22	2,542465E+22	2,587068E+22	2,587050E+22	2,542403E+22	2,410268E+22	2,176748E+22	1,904404E+22	1,715516E+22	1,715524E+22	1,904423E+22	2,176758E+22
1181	2,410251E+22	2,542327E+22	2,586919E+22	2,586947E+22	2,542391E+22	2,410310E+22	2,176788E+22	1,904425E+22	1,715516E+22	1,715508E+22	1,904406E+22	2,176764E+22
1182	2,410287E+22	2,542407E+22	2,587037E+22	2,587052E+22	2,542474E+22	2,410363E+22	2,176777E+22	1,904363E+22	1,715446E+22	1,715464E+22	1,904408E+22	2,176815E+22
1183	2,410358E+22	2,542441E+22	2,587016E+22	2,586972E+22	2,542355E+22	2,410275E+22	2,176754E+22	1,904364E+22	1,715432E+22	1,715426E+22	1,904349E+22	2,176744E+22
1184	2,410284E+22	2,542355E+22	2,586942E+22	2,586970E+22	2,542393E+22	2,410303E+22	2,176773E+22	1,904379E+22	1,715437E+22	1,715414E+22	1,904331E+22	2,176749E+22
1185	2,410349E+22	2,542494E+22	2,587088E+22	2,587073E+22	2,542456E+22	2,410301E+22	2,176721E+22	1,904326E+22	1,715404E+22	1,715407E+22	1,904338E+22	2,176737E+22
1186	2,410294E+22	2,542414E+22	2,587002E+22	2,586958E+22	2,542362E+22	2,410285E+22	2,176745E+22	1,904345E+22	1,715408E+22	1,715399E+22	1,904321E+22	2,176703E+22
1187	2,410224E+22	2,542332E+22	2,587003E+22	2,587055E+22	2,542455E+22	2,410338E+22	2,176769E+22	1,904347E+22	1,715403E+22	1,715399E+22	1,904338E+22	2,176762E+22
1188	2,410340E+22	2,542451E+22	2,587055E+22	2,587066E+22	2,542447E+22	2,410302E+22	2,176732E+22	1,904328E+22	1,715405E+22	1,715423E+22	1,904365E+22	2,176749E+22
1189	2,410270E+22	2,542340E+22	2,586902E+22	2,586910E+22	2,542372E+22	2,410311E+22	2,176783E+22	1,904395E+22	1,715461E+22	1,715447E+22	1,904361E+22	2,176742E+22
1190	2,410279E+22	2,542395E+22	2,587013E+22	2,587015E+22	2,542443E+22	2,410359E+22	2,176794E+22	1,904386E+22	1,715462E+22	1,715462E+22	1,904387E+22	2,176793E+22
1191	2,410355E+22	2,542462E+22	2,587049E+22	2,586997E+22	2,542350E+22	2,410254E+22	2,176755E+22	1,904405E+22	1,715505E+22	1,715503E+22	1,904397E+22	2,176750E+22
1192	2,410265E+22	2,542337E+22	2,586933E+22	2,586962E+22	2,542374E+22	2,410275E+22	2,176772E+22	1,904443E+22	1,715556E+22	1,715546E+22	1,904427E+22	2,176777E+22
1193	2,410314E+22	2,542443E+22	2,587066E+22	2,587077E+22	2,542471E+22	2,410324E+22	2,176762E+22	1,904414E+22	1,715546E+22	1,715566E+22	1,904469E+22	2,176816E+22
1194	2,410317E+22	2,542404E+22	2,586996E+22	2,586963E+22	2,542357E+22	2,410292E+22	2,176797E+22	1,904456E+22	1,715572E+22	1,715575E+22	1,904458E+22	2,176782E+22
1195	2,410255E+22	2,542322E+22	2,586958E+22	2,587002E+22	2,542412E+22	2,410332E+22	2,176833E+22	1,904490E+22	1,715594E+22	1,715578E+22	1,904451E+22	2,176807E+22
1196	2,410356E+22	2,542477E+22	2,587075E+22	2,587061E+22	2,542433E+22	2,410309E+22	2,176793E+22	1,904466E+22	1,715600E+22	1,715607E+22	1,904478E+22	2,176787E+22
1197	2,410279E+22	2,542369E+22	2,586949E+22	2,586924E+22	2,542339E+22	2,410287E+22	2,176818E+22	1,904510E+22	1,715635E+22	1,715618E+22	1,904464E+22	2,176761E+22
1198	2,410244E+22	2,542351E+22	2,587001E+22	2,587034E+22	2,542441E+22	2,410349E+22	2,176823E+22	1,904479E+22	1,715600E+22	1,715597E+22	1,904470E+22	2,176810E+22
1199	2,410333E+22	2,542438E+22	2,587047E+22	2,587039E+22	2,542398E+22	2,410279E+22	2,176774E+22	1,904449E+22	1,715580E+22	1,715588E+22	1,904468E+22	2,176787E+22
1200	2,410266E+22	2,542316E+22	2,586893E+22	2,586922E+22	2,542362E+22	2,410288E+22	2,176790E+22	1,904456E+22	1,715569E+22	1,715561E+22	1,904445E+22	2,176791E+22
1201	2,410309E+22	2,542420E+22	2,587032E+22	2,587034E+22	2,542444E+22	2,410337E+22	2,176785E+22	1,904414E+22	1,715514E+22	1,715518E+22	1,904429E+22	2,176809E+22
1202	2,410344E+22	2,542439E+22	2,587020E+22	2,586967E+22	2,542332E+22	2,410264E+22	2,176770E+22	1,904412E+22	1,715503E+22	1,715496E+22	1,904388E+22	2,176741E+22
1203	2,410255E+22	2,542336E+22	2,586953E+22	2,586987E+22	2,542381E+22	2,410282E+22	2,176772E+22	1,904412E+22	1,715496E+22	1,715477E+22	1,904367E+22	2,176742E+22
1204	2,410317E+22	2,542472E+22	2,587089E+22	2,587091E+22	2,542468E+22	2,410306E+22	2,176729E+22	1,904355E+22	1,715466E+22	1,715487E+22	1,904402E+22	2,176754E+22
1205	2,410265E+22	2,542364E+22	2,586961E+22	2,586944E+22	2,542359E+22	2,410291E+22	2,176764E+22	1,904389E+22	1,715483E+22	1,715484E+22	1,904389E+22	2,176743E+22
1206	2,410237E+22	2,542312E+22	2,586946E+22	2,587003E+22	2,542440E+22	2,410359E+22	2,176807E+22	1,904403E+22	1,715473E+22	1,715466E+22	1,904382E+22	2,176779E+22
1207	2,410344E+22	2,542450E+22	2,587040E+22	2,587035E+22	2,542409E+22	2,410292E+22	2,176767E+22	1,904402E+22	1,715496E+22	1,715497E+22	1,904401E+22	2,176762E+22
1208	2,410282E+22	2,542349E+22	2,586900E+22	2,586890E+22	2,542322E+22	2,410262E+22	2,176775E+22	1,904443E+22	1,715548E+22	1,715535E+22	1,904413E+22	2,176754E+22
1209	2,410277E+22	2,542404E+22	2,587031E+22	2,587026E+22	2,542419E+22	2,410320E+22	2,176788E+22	1,904438E+22	1,715552E+22	1,715554E+22	1,904443E+22	2,176794E+22
1210	2,410323E+22	2,542436E+22	2,587045E+22	2,587010E+22	2,542355E+22	2,410255E+22	2,176765E+22	1,904447E+22	1,715585E+22	1,715597E+22	1,904469E+22	2,176775E+22
1211	2,410243E+22	2,542303E+22	2,586919E+22	2,586965E+22	2,542376E+22	2,410284E+22	2,176793E+22	1,904481E+22	1,715616E+22	1,715612E+22	1,904475E+22	2,176797E+22
1212	2,410314E+22	2,542435E+22	2,587057E+22	2,587072E+22	2,542468E+22	2,410338E+22	2,176798E+22	1,904468E+22	1,715617E+22	1,715640E+22	1,904519E+22	2,176830E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410309E+22	2,542385E+22	2,586970E+22	2,586940E+22	2,542333E+22	2,410285E+22	2,176827E+22	1,904529E+22	1,715670E+22	1,715662E+22	1,904506E+22	2,176796E+22
1214	2,410257E+22	2,542321E+22	2,586936E+22	2,586972E+22	2,542395E+22	2,410337E+22	2,176863E+22	1,904554E+22	1,715684E+22	1,715661E+22	1,904494E+22	2,176799E+22
1215	2,410323E+22	2,542461E+22	2,587081E+22	2,587065E+22	2,542415E+22	2,410290E+22	2,176808E+22	1,904526E+22	1,715689E+22	1,715693E+22	1,904530E+22	2,176801E+22
1216	2,410263E+22	2,542337E+22	2,586926E+22	2,586915E+22	2,542321E+22	2,410256E+22	2,176801E+22	1,904535E+22	1,715704E+22	1,715702E+22	1,904533E+22	2,176799E+22
1217	2,410249E+22	2,542336E+22	2,586979E+22	2,587016E+22	2,542424E+22	2,410335E+22	2,176830E+22	1,904514E+22	1,715657E+22	1,715661E+22	1,904520E+22	2,176835E+22
1218	2,410334E+22	2,542423E+22	2,587020E+22	2,587010E+22	2,542374E+22	2,410274E+22	2,176794E+22	1,904489E+22	1,715635E+22	1,715645E+22	1,904510E+22	2,176808E+22
1219	2,410270E+22	2,542320E+22	2,586894E+22	2,586908E+22	2,542333E+22	2,410266E+22	2,176795E+22	1,904490E+22	1,715616E+22	1,715600E+22	1,904459E+22	2,176785E+22
1220	2,410306E+22	2,542437E+22	2,587058E+22	2,587047E+22	2,542431E+22	2,410320E+22	2,176788E+22	1,904444E+22	1,715572E+22	1,715581E+22	1,904462E+22	2,176795E+22
1221	2,410307E+22	2,542411E+22	2,587018E+22	2,586985E+22	2,542333E+22	2,410250E+22	2,176775E+22	1,904454E+22	1,715577E+22	1,715573E+22	1,904438E+22	2,176749E+22
1222	2,410232E+22	2,542305E+22	2,586919E+22	2,586976E+22	2,542402E+22	2,410311E+22	2,176797E+22	1,904451E+22	1,715559E+22	1,715545E+22	1,904415E+22	2,176748E+22
1223	2,410284E+22	2,542433E+22	2,587061E+22	2,587077E+22	2,542466E+22	2,410327E+22	2,176775E+22	1,904417E+22	1,715539E+22	1,715553E+22	1,904446E+22	2,176781E+22
1224	2,410273E+22	2,542342E+22	2,586919E+22	2,586905E+22	2,542326E+22	2,410272E+22	2,176781E+22	1,904445E+22	1,715562E+22	1,715560E+22	1,904443E+22	2,176775E+22
1225	2,410258E+22	2,542324E+22	2,586932E+22	2,586967E+22	2,542392E+22	2,410327E+22	2,176825E+22	1,904472E+22	1,715566E+22	1,715548E+22	1,904427E+22	2,176786E+22
1226	2,410334E+22	2,542449E+22	2,587039E+22	2,587018E+22	2,542372E+22	2,410266E+22	2,176780E+22	1,904461E+22	1,715590E+22	1,715593E+22	1,904465E+22	2,176778E+22
1227	2,410263E+22	2,542340E+22	2,586918E+22	2,586905E+22	2,542305E+22	2,410227E+22	2,176763E+22	1,904476E+22	1,715620E+22	1,715615E+22	1,904469E+22	2,176770E+22
1228	2,410264E+22	2,542393E+22	2,587039E+22	2,587047E+22	2,542431E+22	2,410316E+22	2,176788E+22	1,904464E+22	1,715620E+22	1,715644E+22	1,904515E+22	2,176822E+22
1229	2,410308E+22	2,542401E+22	2,587018E+22	2,587007E+22	2,542360E+22	2,410266E+22	2,176791E+22	1,904497E+22	1,715660E+22	1,715678E+22	1,904533E+22	2,176813E+22
1230	2,410258E+22	2,542298E+22	2,586881E+22	2,586928E+22	2,542370E+22	2,410307E+22	2,176837E+22	1,904545E+22	1,715691E+22	1,715677E+22	1,904509E+22	2,176798E+22
1231	2,410299E+22	2,542431E+22	2,587054E+22	2,587055E+22	2,542444E+22	2,410336E+22	2,176841E+22	1,904550E+22	1,715713E+22	1,715713E+22	1,904546E+22	2,176829E+22
1232	2,410302E+22	2,542376E+22	2,586964E+22	2,586927E+22	2,542301E+22	2,410246E+22	2,176825E+22	1,904583E+22	1,715763E+22	1,715753E+22	1,904559E+22	2,176801E+22
1233	2,410239E+22	2,542308E+22	2,586931E+22	2,586966E+22	2,542372E+22	2,410304E+22	2,176863E+22	1,904607E+22	1,715772E+22	1,715751E+22	1,904553E+22	2,176805E+22
1234	2,410286E+22	2,542417E+22	2,587052E+22	2,587055E+22	2,542412E+22	2,410290E+22	2,176820E+22	1,904566E+22	1,715760E+22	1,715777E+22	1,904601E+22	2,176836E+22
1235	2,410250E+22	2,542307E+22	2,586907E+22	2,586900E+22	2,542305E+22	2,410247E+22	2,176808E+22	1,904560E+22	1,715747E+22	1,715751E+22	1,904576E+22	2,176828E+22
1236	2,410263E+22	2,542340E+22	2,586975E+22	2,587004E+22	2,542408E+22	2,410326E+22	2,176842E+22	1,904545E+22	1,715709E+22	1,715718E+22	1,904560E+22	2,176849E+22
1237	2,410335E+22	2,542420E+22	2,587009E+22	2,586993E+22	2,542354E+22	2,410261E+22	2,176808E+22	1,904537E+22	1,715703E+22	1,715707E+22	1,904543E+22	2,176817E+22
1238	2,410274E+22	2,542330E+22	2,586889E+22	2,586893E+22	2,542327E+22	2,410269E+22	2,176814E+22	1,904535E+22	1,715681E+22	1,715659E+22	1,904483E+22	2,176767E+22
1239	2,410267E+22	2,542419E+22	2,587069E+22	2,587065E+22	2,542435E+22	2,410316E+22	2,176808E+22	1,904498E+22	1,715647E+22	1,715646E+22	1,904498E+22	2,176803E+22
1240	2,410287E+22	2,542373E+22	2,586989E+22	2,586978E+22	2,542334E+22	2,410238E+22	2,176774E+22	1,904487E+22	1,715645E+22	1,715650E+22	1,904498E+22	2,176780E+22
1241	2,410231E+22	2,542285E+22	2,586887E+22	2,586943E+22	2,542380E+22	2,410307E+22	2,176826E+22	1,904508E+22	1,715628E+22	1,715614E+22	1,904465E+22	2,176771E+22
1242	2,410278E+22	2,542408E+22	2,587026E+22	2,587036E+22	2,542433E+22	2,410319E+22	2,176805E+22	1,904479E+22	1,715617E+22	1,715627E+22	1,904498E+22	2,176804E+22
1243	2,410271E+22	2,542345E+22	2,586921E+22	2,586881E+22	2,542282E+22	2,410234E+22	2,176781E+22	1,904489E+22	1,715633E+22	1,715627E+22	1,904479E+22	2,176781E+22
1244	2,410256E+22	2,542341E+22	2,586962E+22	2,586977E+22	2,542369E+22	2,410290E+22	2,176814E+22	1,904505E+22	1,715645E+22	1,715640E+22	1,904484E+22	2,176790E+22
1245	2,410307E+22	2,542426E+22	2,587038E+22	2,587030E+22	2,542372E+22	2,410247E+22	2,176776E+22	1,904502E+22	1,715673E+22	1,715687E+22	1,904533E+22	2,176803E+22
1246	2,410253E+22	2,542320E+22	2,586894E+22	2,586902E+22	2,542331E+22	2,410254E+22	2,176787E+22	1,904518E+22	1,715688E+22	1,715688E+22	1,904520E+22	2,176785E+22
1247	2,410244E+22	2,542367E+22	2,587027E+22	2,587048E+22	2,542440E+22	2,410336E+22	2,176834E+22	1,904532E+22	1,715697E+22	1,715707E+22	1,904553E+22	2,176846E+22
1248	2,410313E+22	2,542378E+22	2,586984E+22	2,586979E+22	2,542342E+22	2,410256E+22	2,176815E+22	1,904563E+22	1,715749E+22	1,715758E+22	1,904581E+22	2,176830E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410263E+22	2,542302E+22	2,586872E+22	2,586896E+22	2,542333E+22	2,410292E+22	2,176872E+22	1,904625E+22	1,715790E+22	1,715765E+22	1,904555E+22	2,176795E+22
1250	2,410267E+22	2,542405E+22	2,587044E+22	2,587038E+22	2,542414E+22	2,410317E+22	2,176861E+22	1,904617E+22	1,715814E+22	1,715815E+22	1,904613E+22	2,176839E+22
1251	2,410267E+22	2,542350E+22	2,586963E+22	2,586926E+22	2,542281E+22	2,410214E+22	2,176814E+22	1,904619E+22	1,715838E+22	1,715838E+22	1,904622E+22	2,176827E+22
1252	2,410230E+22	2,542289E+22	2,586923E+22	2,586965E+22	2,542369E+22	2,410291E+22	2,176854E+22	1,904625E+22	1,715834E+22	1,715837E+22	1,904624E+22	2,176842E+22
1253	2,410285E+22	2,542386E+22	2,587015E+22	2,587027E+22	2,542398E+22	2,410288E+22	2,176836E+22	1,904604E+22	1,715819E+22	1,715842E+22	1,904655E+22	2,176878E+22
1254	2,410280E+22	2,542316E+22	2,586882E+22	2,586866E+22	2,542293E+22	2,410252E+22	2,176833E+22	1,904605E+22	1,715798E+22	1,715791E+22	1,904592E+22	2,176827E+22
1255	2,410260E+22	2,542353E+22	2,586995E+22	2,587003E+22	2,542388E+22	2,410314E+22	2,176865E+22	1,904603E+22	1,715777E+22	1,715762E+22	1,904569E+22	2,176842E+22
1256	2,410327E+22	2,542415E+22	2,587017E+22	2,586998E+22	2,542341E+22	2,410233E+22	2,176803E+22	1,904576E+22	1,715775E+22	1,715777E+22	1,904579E+22	2,176811E+22
1257	2,410250E+22	2,542319E+22	2,586894E+22	2,586897E+22	2,542323E+22	2,410258E+22	2,176827E+22	1,904583E+22	1,715753E+22	1,715732E+22	1,904528E+22	2,176764E+22
1258	2,410220E+22	2,542362E+22	2,587037E+22	2,587055E+22	2,542443E+22	2,410333E+22	2,176836E+22	1,904547E+22	1,715718E+22	1,715724E+22	1,904557E+22	2,176824E+22
1259	2,410264E+22	2,542339E+22	2,586965E+22	2,586953E+22	2,542316E+22	2,410233E+22	2,176791E+22	1,904530E+22	1,715704E+22	1,715709E+22	1,904542E+22	2,176808E+22
1260	2,410242E+22	2,542281E+22	2,586872E+22	2,586915E+22	2,542352E+22	2,410289E+22	2,176835E+22	1,904551E+22	1,715703E+22	1,715693E+22	1,904516E+22	2,176791E+22
1261	2,410279E+22	2,542399E+22	2,587010E+22	2,587007E+22	2,542400E+22	2,410297E+22	2,176818E+22	1,904536E+22	1,715703E+22	1,715712E+22	1,904554E+22	2,176829E+22
1262	2,410281E+22	2,542352E+22	2,586921E+22	2,586871E+22	2,542268E+22	2,410217E+22	2,176785E+22	1,904532E+22	1,715706E+22	1,715702E+22	1,904524E+22	2,176783E+22
1263	2,410230E+22	2,542327E+22	2,586979E+22	2,587000E+22	2,542375E+22	2,410279E+22	2,176820E+22	1,904552E+22	1,715722E+22	1,715714E+22	1,904535E+22	2,176816E+22
1264	2,410301E+22	2,542395E+22	2,587015E+22	2,587027E+22	2,542381E+22	2,410244E+22	2,176777E+22	1,904534E+22	1,715743E+22	1,715769E+22	1,904595E+22	2,176837E+22
1265	2,410262E+22	2,542310E+22	2,586874E+22	2,586873E+22	2,542312E+22	2,410259E+22	2,176827E+22	1,904583E+22	1,715764E+22	1,715759E+22	1,904565E+22	2,176799E+22
1266	2,410232E+22	2,542342E+22	2,586999E+22	2,587016E+22	2,542417E+22	2,410340E+22	2,176877E+22	1,904612E+22	1,715792E+22	1,715787E+22	1,904596E+22	2,176850E+22
1267	2,410297E+22	2,542375E+22	2,586990E+22	2,586959E+22	2,542305E+22	2,410226E+22	2,176825E+22	1,904623E+22	1,715838E+22	1,715837E+22	1,904619E+22	2,176829E+22
1268	2,410246E+22	2,542299E+22	2,586889E+22	2,586899E+22	2,542311E+22	2,410261E+22	2,176866E+22	1,904669E+22	1,715883E+22	1,715869E+22	1,904619E+22	2,176801E+22
1269	2,410234E+22	2,542362E+22	2,587022E+22	2,587032E+22	2,542409E+22	2,410305E+22	2,176865E+22	1,904662E+22	1,715899E+22	1,715911E+22	1,904687E+22	2,176874E+22
1270	2,410264E+22	2,542323E+22	2,586928E+22	2,586906E+22	2,542289E+22	2,410227E+22	2,176831E+22	1,904655E+22	1,715899E+22	1,715906E+22	1,904673E+22	2,176851E+22
1271	2,410227E+22	2,542274E+22	2,586913E+22	2,586957E+22	2,542362E+22	2,410294E+22	2,176882E+22	1,904680E+22	1,715898E+22	1,715888E+22	1,904658E+22	2,176873E+22
1272	2,410308E+22	2,542383E+22	2,586994E+22	2,587001E+22	2,542375E+22	2,410269E+22	2,176843E+22	1,904651E+22	1,715890E+22	1,715905E+22	1,904690E+22	2,176891E+22
1273	2,410293E+22	2,542336E+22	2,586896E+22	2,586848E+22	2,542258E+22	2,410236E+22	2,176858E+22	1,904665E+22	1,715873E+22	1,715856E+22	1,904619E+22	2,176814E+22
1274	2,410228E+22	2,542332E+22	2,587001E+22	2,587009E+22	2,542378E+22	2,410302E+22	2,176881E+22	1,904657E+22	1,715857E+22	1,715840E+22	1,904613E+22	2,176835E+22
1275	2,410285E+22	2,542385E+22	2,587020E+22	2,587007E+22	2,542342E+22	2,410218E+22	2,176795E+22	1,904604E+22	1,715836E+22	1,715845E+22	1,904628E+22	2,176825E+22
1276	2,410232E+22	2,542290E+22	2,586882E+22	2,586894E+22	2,542327E+22	2,410263E+22	2,176829E+22	1,904605E+22	1,715814E+22	1,715813E+22	1,904591E+22	2,176793E+22
1277	2,410212E+22	2,542319E+22	2,586986E+22	2,587012E+22	2,542421E+22	2,410335E+22	2,176861E+22	1,904595E+22	1,715784E+22	1,715792E+22	1,904611E+22	2,176861E+22
1278	2,410287E+22	2,542335E+22	2,586931E+22	2,586910E+22	2,542292E+22	2,410229E+22	2,176812E+22	1,904581E+22	1,715770E+22	1,715764E+22	1,904570E+22	2,176813E+22
1279	2,410243E+22	2,542291E+22	2,586890E+22	2,586913E+22	2,542324E+22	2,410260E+22	2,176841E+22	1,904604E+22	1,715779E+22	1,715753E+22	1,904545E+22	2,176801E+22
1280	2,410279E+22	2,542391E+22	2,587011E+22	2,587004E+22	2,542377E+22	2,410258E+22	2,176801E+22	1,904571E+22	1,715781E+22	1,715795E+22	1,904606E+22	2,176840E+22
1281	2,410271E+22	2,542345E+22	2,586929E+22	2,586875E+22	2,542262E+22	2,410212E+22	2,176800E+22	1,904577E+22	1,715777E+22	1,715779E+22	1,904576E+22	2,176792E+22
1282	2,410199E+22	2,542284E+22	2,586958E+22	2,586996E+22	2,542383E+22	2,410299E+22	2,176851E+22	1,904605E+22	1,715797E+22	1,715791E+22	1,904589E+22	2,176832E+22
1283	2,410285E+22	2,542374E+22	2,587001E+22	2,587008E+22	2,542370E+22	2,410247E+22	2,176802E+22	1,904589E+22	1,715815E+22	1,715834E+22	1,904635E+22	2,176853E+22
1284	2,410266E+22	2,542309E+22	2,586871E+22	2,586856E+22	2,542292E+22	2,410253E+22	2,176846E+22	1,904643E+22	1,715859E+22	1,715852E+22	1,904614E+22	2,176805E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410217E+22	2,542316E+22	2,586975E+22	2,586986E+22	2,542386E+22	2,410327E+22	2,176903E+22	1,904685E+22	1,715898E+22	1,715888E+22	1,904657E+22	2,176864E+22
1286	2,410287E+22	2,542360E+22	2,586977E+22	2,586950E+22	2,542293E+22	2,410211E+22	2,176837E+22	1,904681E+22	1,715930E+22	1,715929E+22	1,904677E+22	2,176838E+22
1287	2,410219E+22	2,542272E+22	2,586889E+22	2,586910E+22	2,542309E+22	2,410246E+22	2,176870E+22	1,904717E+22	1,715966E+22	1,715951E+22	1,904684E+22	2,176843E+22
1288	2,410238E+22	2,542329E+22	2,586986E+22	2,587008E+22	2,542396E+22	2,410295E+22	2,176866E+22	1,904695E+22	1,715968E+22	1,715993E+22	1,904756E+22	2,176919E+22
1289	2,410290E+22	2,542328E+22	2,586915E+22	2,586875E+22	2,542255E+22	2,410223E+22	2,176863E+22	1,904707E+22	1,715961E+22	1,715965E+22	1,904712E+22	2,176866E+22
1290	2,410229E+22	2,542270E+22	2,586905E+22	2,586939E+22	2,542339E+22	2,410286E+22	2,176906E+22	1,904738E+22	1,715974E+22	1,715951E+22	1,904686E+22	2,176867E+22
1291	2,410297E+22	2,542395E+22	2,587018E+22	2,586999E+22	2,542352E+22	2,410244E+22	2,176840E+22	1,904689E+22	1,715956E+22	1,715965E+22	1,904714E+22	2,176879E+22
1292	2,410272E+22	2,542333E+22	2,586920E+22	2,586871E+22	2,542257E+22	2,410219E+22	2,176847E+22	1,904694E+22	1,715948E+22	1,715940E+22	1,904665E+22	2,176808E+22
1293	2,410186E+22	2,542278E+22	2,586970E+22	2,587008E+22	2,542390E+22	2,410313E+22	2,176897E+22	1,904698E+22	1,715927E+22	1,715918E+22	1,904671E+22	2,176858E+22
1294	2,410271E+22	2,542343E+22	2,586976E+22	2,586989E+22	2,542350E+22	2,410238E+22	2,176821E+22	1,904642E+22	1,715889E+22	1,715901E+22	1,904668E+22	2,176841E+22
1295	2,410223E+22	2,542263E+22	2,586858E+22	2,586874E+22	2,542307E+22	2,410263E+22	2,176858E+22	1,904661E+22	1,715877E+22	1,715862E+22	1,904628E+22	2,176826E+22
1296	2,410233E+22	2,542310E+22	2,586951E+22	2,586967E+22	2,542381E+22	2,410312E+22	2,176868E+22	1,904642E+22	1,715859E+22	1,715863E+22	1,904654E+22	2,176880E+22
1297	2,410305E+22	2,542356E+22	2,586939E+22	2,586881E+22	2,542240E+22	2,410201E+22	2,176828E+22	1,904633E+22	1,715846E+22	1,715838E+22	1,904610E+22	2,176811E+22
1298	2,410222E+22	2,542276E+22	2,586898E+22	2,586921E+22	2,542309E+22	2,410238E+22	2,176842E+22	1,904651E+22	1,715860E+22	1,715837E+22	1,904597E+22	2,176804E+22
1299	2,410254E+22	2,542377E+22	2,587019E+22	2,587014E+22	2,542377E+22	2,410242E+22	2,176787E+22	1,904594E+22	1,715842E+22	1,715866E+22	1,904658E+22	2,176861E+22
1300	2,410265E+22	2,542328E+22	2,586926E+22	2,586881E+22	2,542268E+22	2,410219E+22	2,176806E+22	1,904607E+22	1,715846E+22	1,715860E+22	1,904632E+22	2,176813E+22
1301	2,410192E+22	2,542250E+22	2,586919E+22	2,586965E+22	2,542369E+22	2,410312E+22	2,176893E+22	1,904671E+22	1,715877E+22	1,715866E+22	1,904637E+22	2,176851E+22
1302	2,410291E+22	2,542366E+22	2,586978E+22	2,586982E+22	2,542352E+22	2,410248E+22	2,176835E+22	1,904658E+22	1,715903E+22	1,715906E+22	1,904665E+22	2,176845E+22
1303	2,410246E+22	2,542303E+22	2,586885E+22	2,586860E+22	2,542268E+22	2,410234E+22	2,176866E+22	1,904714E+22	1,715959E+22	1,715937E+22	1,904662E+22	2,176817E+22
1304	2,410202E+22	2,542288E+22	2,586956E+22	2,586975E+22	2,542365E+22	2,410299E+22	2,176898E+22	1,904735E+22	1,715997E+22	1,715996E+22	1,904731E+22	2,176887E+22
1305	2,410276E+22	2,542341E+22	2,586964E+22	2,586937E+22	2,542275E+22	2,410208E+22	2,176857E+22	1,904731E+22	1,716013E+22	1,716023E+22	1,904747E+22	2,176864E+22
1306	2,410203E+22	2,542235E+22	2,586863E+22	2,586899E+22	2,542304E+22	2,410252E+22	2,176893E+22	1,904768E+22	1,716042E+22	1,716032E+22	1,904745E+22	2,176871E+22
1307	2,410242E+22	2,542326E+22	2,586974E+22	2,586985E+22	2,542370E+22	2,410281E+22	2,176877E+22	1,904738E+22	1,716032E+22	1,716054E+22	1,904795E+22	2,176941E+22
1308	2,410307E+22	2,542344E+22	2,586929E+22	2,586873E+22	2,542238E+22	2,410211E+22	2,176868E+22	1,904749E+22	1,716039E+22	1,716042E+22	1,904750E+22	2,176867E+22
1309	2,410217E+22	2,542260E+22	2,586900E+22	2,586928E+22	2,542318E+22	2,410277E+22	2,176925E+22	1,904791E+22	1,716052E+22	1,716027E+22	1,904728E+22	2,176866E+22
1310	2,410275E+22	2,542375E+22	2,587010E+22	2,587008E+22	2,542357E+22	2,410241E+22	2,176851E+22	1,904731E+22	1,716024E+22	1,716032E+22	1,904751E+22	2,176874E+22
1311	2,410237E+22	2,542298E+22	2,586914E+22	2,586890E+22	2,542270E+22	2,410225E+22	2,176858E+22	1,904731E+22	1,716009E+22	1,716000E+22	1,904716E+22	2,176841E+22
1312	2,410182E+22	2,542233E+22	2,586910E+22	2,586968E+22	2,542371E+22	2,410313E+22	2,176910E+22	1,904734E+22	1,715987E+22	1,715986E+22	1,904727E+22	2,176892E+22
1313	2,410288E+22	2,542339E+22	2,586947E+22	2,586941E+22	2,542302E+22	2,410233E+22	2,176860E+22	1,904699E+22	1,715951E+22	1,715957E+22	1,904703E+22	2,176854E+22
1314	2,410224E+22	2,542260E+22	2,586847E+22	2,586848E+22	2,542267E+22	2,410238E+22	2,176871E+22	1,904715E+22	1,715953E+22	1,715928E+22	1,904658E+22	2,176820E+22
1315	2,410226E+22	2,542329E+22	2,586972E+22	2,586959E+22	2,542339E+22	2,410268E+22	2,176851E+22	1,904672E+22	1,715925E+22	1,715931E+22	1,904690E+22	2,176878E+22
1316	2,410292E+22	2,542361E+22	2,586966E+22	2,586910E+22	2,542240E+22	2,410178E+22	2,176805E+22	1,904653E+22	1,715916E+22	1,715923E+22	1,904663E+22	2,176814E+22
1317	2,410191E+22	2,542237E+22	2,586875E+22	2,586924E+22	2,542323E+22	2,410252E+22	2,176857E+22	1,904687E+22	1,715926E+22	1,715913E+22	1,904655E+22	2,176826E+22
1318	2,410243E+22	2,542343E+22	2,586987E+22	2,587011E+22	2,542391E+22	2,410268E+22	2,176822E+22	1,904642E+22	1,715904E+22	1,715925E+22	1,904695E+22	2,176871E+22
1319	2,410256E+22	2,542309E+22	2,586912E+22	2,586880E+22	2,542263E+22	2,410229E+22	2,176846E+22	1,904678E+22	1,715926E+22	1,715924E+22	1,904673E+22	2,176837E+22
1320	2,410197E+22	2,542232E+22	2,586881E+22	2,586926E+22	2,542336E+22	2,410301E+22	2,176918E+22	1,904742E+22	1,715979E+22	1,715962E+22	1,904693E+22	2,176863E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410287E+22	2,542368E+22	2,586978E+22	2,586957E+22	2,542303E+22	2,410230E+22	2,176868E+22	1,904731E+22	1,716004E+22	1,716007E+22	1,904727E+22	2,176849E+22
1322	2,410215E+22	2,542272E+22	2,586876E+22	2,586863E+22	2,542252E+22	2,410212E+22	2,176873E+22	1,904773E+22	1,716061E+22	1,716045E+22	1,904737E+22	2,176835E+22
1323	2,410185E+22	2,542273E+22	2,586943E+22	2,586965E+22	2,542349E+22	2,410279E+22	2,176887E+22	1,904763E+22	1,716070E+22	1,716086E+22	1,904804E+22	2,176928E+22
1324	2,410288E+22	2,542335E+22	2,586952E+22	2,586926E+22	2,542264E+22	2,410201E+22	2,176856E+22	1,904760E+22	1,716083E+22	1,716105E+22	1,904809E+22	2,176898E+22
1325	2,410215E+22	2,542224E+22	2,586833E+22	2,586869E+22	2,542282E+22	2,410253E+22	2,176922E+22	1,904823E+22	1,716113E+22	1,716097E+22	1,904788E+22	2,176893E+22
1326	2,410257E+22	2,542335E+22	2,586973E+22	2,586979E+22	2,542353E+22	2,410270E+22	2,176894E+22	1,904789E+22	1,716100E+22	1,716107E+22	1,904811E+22	2,176924E+22
1327	2,410285E+22	2,542343E+22	2,586953E+22	2,586898E+22	2,542231E+22	2,410197E+22	2,176881E+22	1,904801E+22	1,716110E+22	1,716103E+22	1,904783E+22	2,176865E+22
1328	2,410189E+22	2,542227E+22	2,586879E+22	2,586926E+22	2,542316E+22	2,410270E+22	2,176931E+22	1,904832E+22	1,716128E+22	1,716110E+22	1,904783E+22	2,176872E+22
1329	2,410248E+22	2,542347E+22	2,586989E+22	2,586990E+22	2,542345E+22	2,410255E+22	2,176885E+22	1,904776E+22	1,716088E+22	1,716102E+22	1,904801E+22	2,176885E+22
1330	2,410209E+22	2,542254E+22	2,586875E+22	2,586869E+22	2,542259E+22	2,410231E+22	2,176890E+22	1,904786E+22	1,716079E+22	1,716069E+22	1,904762E+22	2,176856E+22
1331	2,410185E+22	2,542231E+22	2,586884E+22	2,586928E+22	2,542329E+22	2,410287E+22	2,176915E+22	1,904775E+22	1,716050E+22	1,716046E+22	1,904766E+22	2,176911E+22
1332	2,410302E+22	2,542355E+22	2,586950E+22	2,586925E+22	2,542267E+22	2,410201E+22	2,176851E+22	1,904736E+22	1,716028E+22	1,716033E+22	1,904745E+22	2,176859E+22
1333	2,410214E+22	2,542255E+22	2,586845E+22	2,586840E+22	2,542242E+22	2,410215E+22	2,176875E+22	1,904756E+22	1,716024E+22	1,716004E+22	1,904709E+22	2,176831E+22
1334	2,410211E+22	2,542314E+22	2,586976E+22	2,586982E+22	2,542345E+22	2,410252E+22	2,176845E+22	1,904700E+22	1,715984E+22	1,715995E+22	1,904733E+22	2,176883E+22
1335	2,410266E+22	2,542336E+22	2,586968E+22	2,586940E+22	2,542263E+22	2,410190E+22	2,176818E+22	1,904683E+22	1,715969E+22	1,715982E+22	1,904717E+22	2,176850E+22
1336	2,410190E+22	2,542205E+22	2,586828E+22	2,586895E+22	2,542315E+22	2,410265E+22	2,176887E+22	1,904734E+22	1,715994E+22	1,715985E+22	1,904708E+22	2,176851E+22
1337	2,410250E+22	2,542341E+22	2,586965E+22	2,586970E+22	2,542355E+22	2,410277E+22	2,176877E+22	1,904716E+22	1,715986E+22	1,715994E+22	1,904731E+22	2,176873E+22
1338	2,410242E+22	2,542298E+22	2,586901E+22	2,586864E+22	2,542236E+22	2,410214E+22	2,176875E+22	1,904756E+22	1,716031E+22	1,716015E+22	1,904717E+22	2,176830E+22
1339	2,410180E+22	2,542235E+22	2,586879E+22	2,586908E+22	2,542296E+22	2,410261E+22	2,176914E+22	1,904793E+22	1,716073E+22	1,716060E+22	1,904755E+22	2,176876E+22
1340	2,410268E+22	2,542355E+22	2,586982E+22	2,586969E+22	2,542297E+22	2,410206E+22	2,176855E+22	1,904770E+22	1,716097E+22	1,716114E+22	1,904804E+22	2,176874E+22
1341	2,410194E+22	2,542235E+22	2,586846E+22	2,586849E+22	2,542247E+22	2,410214E+22	2,176888E+22	1,904814E+22	1,716134E+22	1,716133E+22	1,904810E+22	2,176875E+22
1342	2,410190E+22	2,542250E+22	2,586917E+22	2,586954E+22	2,542341E+22	2,410278E+22	2,176910E+22	1,904809E+22	1,716133E+22	1,716147E+22	1,904845E+22	2,176948E+22
1343	2,410294E+22	2,542337E+22	2,586953E+22	2,586929E+22	2,542260E+22	2,410202E+22	2,176882E+22	1,904816E+22	1,716150E+22	1,716161E+22	1,904846E+22	2,176919E+22
1344	2,410222E+22	2,542224E+22	2,586815E+22	2,586840E+22	2,542254E+22	2,410241E+22	2,176941E+22	1,904880E+22	1,716198E+22	1,716177E+22	1,904829E+22	2,176892E+22
1345	2,410244E+22	2,542339E+22	2,586985E+22	2,586970E+22	2,542322E+22	2,410262E+22	2,176929E+22	1,904853E+22	1,716184E+22	1,716185E+22	1,904851E+22	2,176914E+22
1346	2,410241E+22	2,542306E+22	2,586946E+22	2,586915E+22	2,542238E+22	2,410189E+22	2,176894E+22	1,904855E+22	1,716196E+22	1,716190E+22	1,904836E+22	2,176868E+22
1347	2,410162E+22	2,542199E+22	2,586849E+22	2,586905E+22	2,542304E+22	2,410260E+22	2,176932E+22	1,904861E+22	1,716190E+22	1,716184E+22	1,904843E+22	2,176903E+22
1348	2,410246E+22	2,542327E+22	2,586963E+22	2,586967E+22	2,542328E+22	2,410247E+22	2,176891E+22	1,904811E+22	1,716152E+22	1,716171E+22	1,904852E+22	2,176911E+22
1349	2,410213E+22	2,542239E+22	2,586840E+22	2,586826E+22	2,542223E+22	2,410217E+22	2,176910E+22	1,904835E+22	1,716144E+22	1,716130E+22	1,904803E+22	2,176876E+22
1350	2,410194E+22	2,542237E+22	2,586886E+22	2,586917E+22	2,542298E+22	2,410255E+22	2,176915E+22	1,904813E+22	1,716111E+22	1,716099E+22	1,904788E+22	2,176905E+22
1351	2,410288E+22	2,542360E+22	2,586976E+22	2,586952E+22	2,542265E+22	2,410179E+22	2,176846E+22	1,904767E+22	1,716084E+22	1,716092E+22	1,904788E+22	2,176873E+22
1352	2,410196E+22	2,542232E+22	2,586829E+22	2,586842E+22	2,542247E+22	2,410209E+22	2,176876E+22	1,904785E+22	1,716087E+22	1,716078E+22	1,904765E+22	2,176850E+22
1353	2,410197E+22	2,542295E+22	2,586963E+22	2,586972E+22	2,542343E+22	2,410275E+22	2,176886E+22	1,904745E+22	1,716041E+22	1,716055E+22	1,904776E+22	2,176896E+22
1354	2,410246E+22	2,542300E+22	2,586939E+22	2,586931E+22	2,542266E+22	2,410206E+22	2,176862E+22	1,904751E+22	1,716046E+22	1,716051E+22	1,904756E+22	2,176857E+22
1355	2,410190E+22	2,542208E+22	2,586805E+22	2,586857E+22	2,542282E+22	2,410252E+22	2,176909E+22	1,904794E+22	1,716077E+22	1,716061E+22	1,904753E+22	2,176864E+22
1356	2,410248E+22	2,542346E+22	2,586965E+22	2,586951E+22	2,542321E+22	2,410249E+22	2,176883E+22	1,904777E+22	1,716088E+22	1,716091E+22	1,904784E+22	2,176877E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1357	2,410219E+22	2,542277E+22	2,586887E+22	2,586848E+22	2,542208E+22	2,410189E+22	2,176887E+22	1,904817E+22	1,716129E+22	1,716118E+22	1,904789E+22	2,176853E+22
1358	2,410164E+22	2,542208E+22	2,586871E+22	2,586917E+22	2,542289E+22	2,410233E+22	2,176905E+22	1,904830E+22	1,716151E+22	1,716145E+22	1,904818E+22	2,176901E+22
1359	2,410255E+22	2,542330E+22	2,586970E+22	2,586975E+22	2,542302E+22	2,410205E+22	2,176863E+22	1,904803E+22	1,716157E+22	1,716186E+22	1,904873E+22	2,176925E+22
1360	2,410207E+22	2,542216E+22	2,586808E+22	2,586813E+22	2,542225E+22	2,410213E+22	2,176913E+22	1,904863E+22	1,716203E+22	1,716204E+22	1,904865E+22	2,176907E+22
1361	2,410209E+22	2,542267E+22	2,586917E+22	2,586922E+22	2,542302E+22	2,410274E+22	2,176950E+22	1,904875E+22	1,716209E+22	1,716209E+22	1,904873E+22	2,176943E+22
1362	2,410278E+22	2,542334E+22	2,586963E+22	2,586935E+22	2,542249E+22	2,410189E+22	2,176905E+22	1,904885E+22	1,716245E+22	1,716242E+22	1,904874E+22	2,176897E+22
1363	2,410196E+22	2,542226E+22	2,586825E+22	2,586841E+22	2,542238E+22	2,410215E+22	2,176938E+22	1,904925E+22	1,716281E+22	1,716263E+22	1,904879E+22	2,176890E+22
1364	2,410206E+22	2,542309E+22	2,586981E+22	2,586983E+22	2,542331E+22	2,410254E+22	2,176926E+22	1,904894E+22	1,716268E+22	1,716275E+22	1,904911E+22	2,176926E+22
1365	2,410207E+22	2,542252E+22	2,586901E+22	2,586893E+22	2,542239E+22	2,410203E+22	2,176923E+22	1,904903E+22	1,716266E+22	1,716266E+22	1,904899E+22	2,176904E+22
1366	2,410159E+22	2,542165E+22	2,586812E+22	2,586880E+22	2,542285E+22	2,410251E+22	2,176952E+22	1,904907E+22	1,716248E+22	1,716238E+22	1,904881E+22	2,176926E+22
1367	2,410253E+22	2,542322E+22	2,586951E+22	2,586950E+22	2,542310E+22	2,410237E+22	2,176907E+22	1,904856E+22	1,716209E+22	1,716224E+22	1,904895E+22	2,176941E+22
1368	2,410224E+22	2,542242E+22	2,586827E+22	2,586792E+22	2,542185E+22	2,410193E+22	2,176916E+22	1,904877E+22	1,716213E+22	1,716201E+22	1,904848E+22	2,176889E+22
1369	2,410193E+22	2,542248E+22	2,586904E+22	2,586910E+22	2,542270E+22	2,410236E+22	2,176928E+22	1,904855E+22	1,716177E+22	1,716166E+22	1,904828E+22	2,176906E+22
1370	2,410260E+22	2,542335E+22	2,586978E+22	2,586975E+22	2,542285E+22	2,410177E+22	2,176851E+22	1,904806E+22	1,716153E+22	1,716163E+22	1,904830E+22	2,176880E+22
1371	2,410188E+22	2,542221E+22	2,586809E+22	2,586823E+22	2,542243E+22	2,410209E+22	2,176882E+22	1,904813E+22	1,716141E+22	1,716141E+22	1,904814E+22	2,176876E+22
1372	2,410197E+22	2,542281E+22	2,586945E+22	2,586955E+22	2,542333E+22	2,410273E+22	2,176907E+22	1,904799E+22	1,716114E+22	1,716119E+22	1,904813E+22	2,176907E+22
1373	2,410240E+22	2,542286E+22	2,586914E+22	2,586897E+22	2,542239E+22	2,410197E+22	2,176892E+22	1,904819E+22	1,716130E+22	1,716122E+22	1,904795E+22	2,176864E+22
1374	2,410179E+22	2,542197E+22	2,586806E+22	2,586845E+22	2,542248E+22	2,410218E+22	2,176916E+22	1,904850E+22	1,716162E+22	1,716138E+22	1,904791E+22	2,176859E+22
1375	2,410220E+22	2,542328E+22	2,586974E+22	2,586967E+22	2,542319E+22	2,410231E+22	2,176884E+22	1,904820E+22	1,716164E+22	1,716177E+22	1,904852E+22	2,176902E+22
1376	2,410198E+22	2,542242E+22	2,586859E+22	2,586831E+22	2,542201E+22	2,410179E+22	2,176889E+22	1,904857E+22	1,716210E+22	1,716213E+22	1,904864E+22	2,176888E+22
1377	2,410161E+22	2,542192E+22	2,586856E+22	2,586892E+22	2,542272E+22	2,410241E+22	2,176938E+22	1,904882E+22	1,716223E+22	1,716220E+22	1,904874E+22	2,176928E+22
1378	2,410252E+22	2,542308E+22	2,586952E+22	2,586966E+22	2,542300E+22	2,410208E+22	2,176896E+22	1,904871E+22	1,716243E+22	1,716260E+22	1,904912E+22	2,176936E+22
1379	2,410219E+22	2,542232E+22	2,586801E+22	2,586784E+22	2,542196E+22	2,410195E+22	2,176927E+22	1,904919E+22	1,716287E+22	1,716282E+22	1,904907E+22	2,176916E+22
1380	2,410204E+22	2,542273E+22	2,586932E+22	2,586923E+22	2,542284E+22	2,410252E+22	2,176959E+22	1,904937E+22	1,716307E+22	1,716297E+22	1,904917E+22	2,176937E+22
1381	2,410244E+22	2,542307E+22	2,586955E+22	2,586935E+22	2,542244E+22	2,410180E+22	2,176922E+22	1,904945E+22	1,716337E+22	1,716335E+22	1,904937E+22	2,176909E+22
1382	2,410164E+22	2,542183E+22	2,586811E+22	2,586849E+22	2,542243E+22	2,410207E+22	2,176941E+22	1,904962E+22	1,716353E+22	1,716342E+22	1,904937E+22	2,176912E+22
1383	2,410188E+22	2,542267E+22	2,586952E+22	2,586973E+22	2,542338E+22	2,410267E+22	2,176944E+22	1,904927E+22	1,716320E+22	1,716340E+22	1,904976E+22	2,176973E+22
1384	2,410218E+22	2,542227E+22	2,586851E+22	2,586839E+22	2,542205E+22	2,410197E+22	2,176946E+22	1,904954E+22	1,716332E+22	1,716331E+22	1,904949E+22	2,176938E+22
1385	2,410184E+22	2,542182E+22	2,586808E+22	2,586836E+22	2,542234E+22	2,410232E+22	2,176975E+22	1,904962E+22	1,716316E+22	1,716293E+22	1,904906E+22	2,176928E+22
1386	2,410249E+22	2,542324E+22	2,586963E+22	2,586950E+22	2,542289E+22	2,410210E+22	2,176912E+22	1,904907E+22	1,716287E+22	1,716292E+22	1,904920E+22	2,176929E+22
1387	2,410216E+22	2,542254E+22	2,586845E+22	2,586797E+22	2,542171E+22	2,410163E+22	2,176900E+22	1,904900E+22	1,716273E+22	1,716269E+22	1,904892E+22	2,176895E+22
1388	2,410173E+22	2,542234E+22	2,586913E+22	2,586928E+22	2,542281E+22	2,410227E+22	2,176920E+22	1,904883E+22	1,716239E+22	1,716230E+22	1,904870E+22	2,176913E+22
1389	2,410233E+22	2,542293E+22	2,586947E+22	2,586961E+22	2,542294E+22	2,410198E+22	2,176883E+22	1,904853E+22	1,716214E+22	1,716223E+22	1,904874E+22	2,176899E+22
1390	2,410179E+22	2,542191E+22	2,586789E+22	2,586811E+22	2,542233E+22	2,410207E+22	2,176905E+22	1,904865E+22	1,716205E+22	1,716194E+22	1,904841E+22	2,176881E+22
1391	2,410189E+22	2,542262E+22	2,586930E+22	2,586938E+22	2,542320E+22	2,410270E+22	2,176930E+22	1,904854E+22	1,716187E+22	1,716188E+22	1,904859E+22	2,176921E+22
1392	2,410229E+22	2,542268E+22	2,586894E+22	2,586861E+22	2,542200E+22	2,410177E+22	2,176910E+22	1,904882E+22	1,716225E+22	1,716217E+22	1,904856E+22	2,176881E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410167E+22	2,542188E+22	2,586811E+22	2,586829E+22	2,542216E+22	2,410195E+22	2,176926E+22	1,904904E+22	1,716250E+22	1,716230E+22	1,904853E+22	2,176876E+22
1394	2,410197E+22	2,542291E+22	2,586960E+22	2,586971E+22	2,542325E+22	2,410225E+22	2,176889E+22	1,904866E+22	1,716250E+22	1,716270E+22	1,904915E+22	2,176930E+22
1395	2,410206E+22	2,542234E+22	2,586836E+22	2,586804E+22	2,542184E+22	2,410171E+22	2,176894E+22	1,904889E+22	1,716275E+22	1,716291E+22	1,904928E+22	2,176928E+22
1396	2,410179E+22	2,542194E+22	2,586849E+22	2,586875E+22	2,542252E+22	2,410226E+22	2,176950E+22	1,904937E+22	1,716303E+22	1,716290E+22	1,904914E+22	2,176942E+22
1397	2,410254E+22	2,542306E+22	2,586943E+22	2,586945E+22	2,542281E+22	2,410203E+22	2,176923E+22	1,904939E+22	1,716333E+22	1,716337E+22	1,904950E+22	2,176938E+22
1398	2,410204E+22	2,542223E+22	2,586820E+22	2,586797E+22	2,542179E+22	2,410171E+22	2,176934E+22	1,904975E+22	1,716374E+22	1,716360E+22	1,904944E+22	2,176906E+22
1399	2,410169E+22	2,542243E+22	2,586937E+22	2,586947E+22	2,542300E+22	2,410252E+22	2,176970E+22	1,904983E+22	1,716382E+22	1,716383E+22	1,904983E+22	2,176953E+22
1400	2,410213E+22	2,542259E+22	2,586919E+22	2,586914E+22	2,542241E+22	2,410190E+22	2,176945E+22	1,904996E+22	1,716418E+22	1,716425E+22	1,905008E+22	2,176942E+22
1401	2,410158E+22	2,542155E+22	2,586781E+22	2,586808E+22	2,542218E+22	2,410221E+22	2,176980E+22	1,905019E+22	1,716424E+22	1,716412E+22	1,904988E+22	2,176939E+22
1402	2,410190E+22	2,542244E+22	2,586922E+22	2,586947E+22	2,542321E+22	2,410265E+22	2,176973E+22	1,904991E+22	1,716401E+22	1,716408E+22	1,905009E+22	2,176986E+22
1403	2,410242E+22	2,542248E+22	2,586841E+22	2,586798E+22	2,542157E+22	2,410164E+22	2,176944E+22	1,904994E+22	1,716403E+22	1,716401E+22	1,904990E+22	2,176951E+22
1404	2,410192E+22	2,542199E+22	2,586832E+22	2,586839E+22	2,542204E+22	2,410190E+22	2,176962E+22	1,905004E+22	1,716393E+22	1,716363E+22	1,904944E+22	2,176927E+22
1405	2,410227E+22	2,542308E+22	2,586968E+22	2,586962E+22	2,542288E+22	2,410193E+22	2,176908E+22	1,904942E+22	1,716353E+22	1,716363E+22	1,904968E+22	2,176938E+22
1406	2,410188E+22	2,542217E+22	2,586845E+22	2,586817E+22	2,542180E+22	2,410158E+22	2,176894E+22	1,904919E+22	1,716320E+22	1,716323E+22	1,904931E+22	2,176908E+22
1407	2,410157E+22	2,542198E+22	2,586891E+22	2,586928E+22	2,542298E+22	2,410253E+22	2,176945E+22	1,904911E+22	1,716277E+22	1,716279E+22	1,904915E+22	2,176936E+22
1408	2,410231E+22	2,542269E+22	2,586906E+22	2,586915E+22	2,542267E+22	2,410204E+22	2,176916E+22	1,904911E+22	1,716284E+22	1,716285E+22	1,904911E+22	2,176913E+22
1409	2,410184E+22	2,542194E+22	2,586783E+22	2,586771E+22	2,542189E+22	2,410198E+22	2,176934E+22	1,904931E+22	1,716290E+22	1,716264E+22	1,904872E+22	2,176876E+22
1410	2,410169E+22	2,542243E+22	2,586927E+22	2,586935E+22	2,542302E+22	2,410251E+22	2,176941E+22	1,904916E+22	1,716284E+22	1,716278E+22	1,904899E+22	2,176917E+22
1411	2,410217E+22	2,542258E+22	2,586885E+22	2,586849E+22	2,542179E+22	2,410148E+22	2,176896E+22	1,904915E+22	1,716306E+22	1,716312E+22	1,904927E+22	2,176908E+22
1412	2,410157E+22	2,542167E+22	2,586805E+22	2,586832E+22	2,542211E+22	2,410178E+22	2,176921E+22	1,904943E+22	1,716327E+22	1,716313E+22	1,904917E+22	2,176906E+22
1413	2,410192E+22	2,542261E+22	2,586929E+22	2,586949E+22	2,542316E+22	2,410232E+22	2,176917E+22	1,904920E+22	1,716324E+22	1,716345E+22	1,904972E+22	2,176961E+22
1414	2,410212E+22	2,542222E+22	2,586833E+22	2,586798E+22	2,542166E+22	2,410161E+22	2,176911E+22	1,904941E+22	1,716348E+22	1,716355E+22	1,904962E+22	2,176938E+22
1415	2,410182E+22	2,542197E+22	2,586854E+22	2,586873E+22	2,542246E+22	2,410230E+22	2,176973E+22	1,904990E+22	1,716379E+22	1,716367E+22	1,904962E+22	2,176947E+22
1416	2,410238E+22	2,542294E+22	2,586937E+22	2,586927E+22	2,542257E+22	2,410195E+22	2,176948E+22	1,905008E+22	1,716433E+22	1,716434E+22	1,905009E+22	2,176947E+22
1417	2,410184E+22	2,542207E+22	2,586823E+22	2,586794E+22	2,542168E+22	2,410169E+22	2,176954E+22	1,905036E+22	1,716468E+22	1,716454E+22	1,905004E+22	2,176919E+22
1418	2,410140E+22	2,542193E+22	2,586903E+22	2,586944E+22	2,542309E+22	2,410262E+22	2,176992E+22	1,905039E+22	1,716472E+22	1,716474E+22	1,905039E+22	2,176977E+22
1419	2,410220E+22	2,542242E+22	2,586881E+22	2,586872E+22	2,542211E+22	2,410182E+22	2,176959E+22	1,905038E+22	1,716487E+22	1,716503E+22	1,905071E+22	2,176982E+22
1420	2,410179E+22	2,542161E+22	2,586773E+22	2,586781E+22	2,542175E+22	2,410185E+22	2,176984E+22	1,905073E+22	1,716500E+22	1,716475E+22	1,905024E+22	2,176950E+22
1421	2,410193E+22	2,542247E+22	2,586915E+22	2,586920E+22	2,542282E+22	2,410239E+22	2,176982E+22	1,905042E+22	1,716478E+22	1,716478E+22	1,905045E+22	2,176986E+22
1422	2,410228E+22	2,542246E+22	2,586870E+22	2,586821E+22	2,542141E+22	2,410129E+22	2,176927E+22	1,905018E+22	1,716462E+22	1,716462E+22	1,905020E+22	2,176942E+22
1423	2,410165E+22	2,542180E+22	2,586842E+22	2,586870E+22	2,542228E+22	2,410191E+22	2,176955E+22	1,905016E+22	1,716436E+22	1,716426E+22	1,904995E+22	2,176936E+22
1424	2,410199E+22	2,542267E+22	2,586937E+22	2,586950E+22	2,542296E+22	2,410215E+22	2,176932E+22	1,904979E+22	1,716411E+22	1,716426E+22	1,905017E+22	2,176960E+22
1425	2,410181E+22	2,542193E+22	2,586821E+22	2,586793E+22	2,542171E+22	2,410182E+22	2,176935E+22	1,904972E+22	1,716380E+22	1,716376E+22	1,904963E+22	2,176918E+22
1426	2,410149E+22	2,542168E+22	2,586855E+22	2,586906E+22	2,542289E+22	2,410264E+22	2,176984E+22	1,904981E+22	1,716360E+22	1,716345E+22	1,904939E+22	2,176934E+22
1427	2,410237E+22	2,542272E+22	2,586888E+22	2,586875E+22	2,542221E+22	2,410181E+22	2,176928E+22	1,904963E+22	1,716367E+22	1,716368E+22	1,904961E+22	2,176924E+22
1428	2,410178E+22	2,542194E+22	2,586792E+22	2,586766E+22	2,542149E+22	2,410152E+22	2,176929E+22	1,904985E+22	1,716381E+22	1,716353E+22	1,904927E+22	2,176885E+22

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1429	2,410148E+22	2,542218E+22	2,586911E+22	2,586928E+22	2,542288E+22	2,410232E+22	2,176940E+22	1,904960E+22	1,716368E+22	1,716371E+22	1,904970E+22	2,176946E+22
1430	2,410204E+22	2,542229E+22	2,586877E+22	2,586855E+22	2,542174E+22	2,410135E+22	2,176888E+22	1,904937E+22	1,716365E+22	1,716384E+22	1,904986E+22	2,176941E+22
1431	2,410166E+22	2,542153E+22	2,586788E+22	2,586827E+22	2,542214E+22	2,410189E+22	2,176939E+22	1,904973E+22	1,716377E+22	1,716376E+22	1,904973E+22	2,176937E+22
1432	2,410205E+22	2,542259E+22	2,586909E+22	2,586915E+22	2,542284E+22	2,410230E+22	2,176950E+22	1,904986E+22	1,716405E+22	1,716416E+22	1,905013E+22	2,176974E+22
1433	2,410218E+22	2,542235E+22	2,586845E+22	2,586785E+22	2,542137E+22	2,410156E+22	2,176941E+22	1,905012E+22	1,716441E+22	1,716434E+22	1,904994E+22	2,176925E+22
1434	2,410153E+22	2,542178E+22	2,586859E+22	2,586890E+22	2,542249E+22	2,410228E+22	2,176997E+22	1,905060E+22	1,716484E+22	1,716462E+22	1,905002E+22	2,176934E+22
1435	2,410212E+22	2,542272E+22	2,586923E+22	2,586920E+22	2,542246E+22	2,410184E+22	2,176952E+22	1,905054E+22	1,716522E+22	1,716535E+22	1,905081E+22	2,176968E+22
1436	2,410164E+22	2,542173E+22	2,586802E+22	2,586788E+22	2,542157E+22	2,410160E+22	2,176969E+22	1,905092E+22	1,716554E+22	1,716541E+22	1,905068E+22	2,176947E+22
1437	2,410132E+22	2,542156E+22	2,586857E+22	2,586909E+22	2,542287E+22	2,410262E+22	2,177021E+22	1,905099E+22	1,716553E+22	1,716553E+22	1,905097E+22	2,177006E+22
1438	2,410222E+22	2,542227E+22	2,586866E+22	2,586852E+22	2,542176E+22	2,410155E+22	2,176962E+22	1,905081E+22	1,716556E+22	1,716568E+22	1,905110E+22	2,176997E+22
1439	2,410186E+22	2,542168E+22	2,586778E+22	2,586776E+22	2,542157E+22	2,410171E+22	2,176987E+22	1,905102E+22	1,716557E+22	1,716545E+22	1,905073E+22	2,176959E+22
1440	2,410183E+22	2,542243E+22	2,586917E+22	2,586911E+22	2,542253E+22	2,410218E+22	2,176987E+22	1,905085E+22	1,716550E+22	1,716554E+22	1,905095E+22	2,176997E+22
1441	2,410212E+22	2,542234E+22	2,586875E+22	2,586833E+22	2,542146E+22	2,410131E+22	2,176932E+22	1,905051E+22	1,716523E+22	1,716526E+22	1,905061E+22	2,176949E+22
1442	2,410142E+22	2,542142E+22	2,586816E+22	2,586876E+22	2,542251E+22	2,410218E+22	2,176980E+22	1,905055E+22	1,716495E+22	1,716484E+22	1,905026E+22	2,176946E+22
1443	2,410203E+22	2,542252E+22	2,586898E+22	2,586911E+22	2,542272E+22	2,410220E+22	2,176957E+22	1,905020E+22	1,716466E+22	1,716483E+22	1,905057E+22	2,176980E+22
1444	2,410190E+22	2,542194E+22	2,586809E+22	2,586770E+22	2,542132E+22	2,410155E+22	2,176955E+22	1,905037E+22	1,716457E+22	1,716435E+22	1,904990E+22	2,176918E+22
1445	2,410140E+22	2,542158E+22	2,586836E+22	2,586877E+22	2,542249E+22	2,410239E+22	2,177000E+22	1,905042E+22	1,716448E+22	1,716426E+22	1,904983E+22	2,176932E+22
1446	2,410208E+22	2,542254E+22	2,586900E+22	2,586886E+22	2,542195E+22	2,410143E+22	2,176915E+22	1,904995E+22	1,716438E+22	1,716447E+22	1,905013E+22	2,176932E+22
1447	2,410158E+22	2,542175E+22	2,586790E+22	2,586783E+22	2,542159E+22	2,410147E+22	2,176921E+22	1,904998E+22	1,716434E+22	1,716434E+22	1,904998E+22	2,176912E+22
1448	2,410135E+22	2,542190E+22	2,586882E+22	2,586906E+22	2,542274E+22	2,410237E+22	2,176961E+22	1,905003E+22	1,716435E+22	1,716448E+22	1,905033E+22	2,176982E+22
1449	2,410216E+22	2,542224E+22	2,586861E+22	2,586839E+22	2,542165E+22	2,410147E+22	2,176919E+22	1,904991E+22	1,716434E+22	1,716447E+22	1,905023E+22	2,176956E+22
1450	2,410170E+22	2,542147E+22	2,586773E+22	2,586818E+22	2,542209E+22	2,410198E+22	2,176975E+22	1,905044E+22	1,716467E+22	1,716449E+22	1,904998E+22	2,176934E+22
1451	2,410208E+22	2,542268E+22	2,586906E+22	2,586894E+22	2,542251E+22	2,410215E+22	2,176971E+22	1,905048E+22	1,716500E+22	1,716509E+22	1,905066E+22	2,176979E+22
1452	2,410201E+22	2,542230E+22	2,586861E+22	2,586801E+22	2,542114E+22	2,410120E+22	2,176950E+22	1,905081E+22	1,716543E+22	1,716531E+22	1,905053E+22	2,176928E+22
1453	2,410116E+22	2,542133E+22	2,586827E+22	2,586882E+22	2,542246E+22	2,410224E+22	2,177011E+22	1,905118E+22	1,716582E+22	1,716569E+22	1,905080E+22	2,176958E+22
1454	2,410180E+22	2,542225E+22	2,586898E+22	2,586913E+22	2,542238E+22	2,410180E+22	2,176960E+22	1,905087E+22	1,716590E+22	1,716617E+22	1,905148E+22	2,177005E+22
1455	2,410170E+22	2,542155E+22	2,586772E+22	2,586763E+22	2,542142E+22	2,410159E+22	2,176985E+22	1,905125E+22	1,716610E+22	1,716612E+22	1,905130E+22	2,176980E+22
1456	2,410146E+22	2,542156E+22	2,586832E+22	2,586861E+22	2,542236E+22	2,410241E+22	2,177043E+22	1,905160E+22	1,716634E+22	1,716625E+22	1,905141E+22	2,177025E+22
1457	2,410233E+22	2,542246E+22	2,586877E+22	2,586842E+22	2,542149E+22	2,410135E+22	2,176969E+22	1,905129E+22	1,716631E+22	1,716635E+22	1,905140E+22	2,176990E+22
1458	2,410166E+22	2,542160E+22	2,586788E+22	2,586799E+22	2,542167E+22	2,410165E+22	2,176994E+22	1,905145E+22	1,716631E+22	1,716613E+22	1,905103E+22	2,176954E+22
1459	2,410166E+22	2,542228E+22	2,586908E+22	2,586910E+22	2,542252E+22	2,410215E+22	2,176992E+22	1,905113E+22	1,716608E+22	1,716623E+22	1,905148E+22	2,177015E+22
1460	2,410197E+22	2,542210E+22	2,586862E+22	2,586835E+22	2,542142E+22	2,410130E+22	2,176958E+22	1,905101E+22	1,716583E+22	1,716582E+22	1,905099E+22	2,176960E+22
1461	2,410128E+22	2,542111E+22	2,586772E+22	2,586845E+22	2,542238E+22	2,410228E+22	2,177019E+22	1,905118E+22	1,716568E+22	1,716548E+22	1,905064E+22	2,176953E+22
1462	2,410185E+22	2,542235E+22	2,586886E+22	2,586891E+22	2,542242E+22	2,410200E+22	2,176968E+22	1,905066E+22	1,716534E+22	1,716545E+22	1,905090E+22	2,176983E+22
1463	2,410184E+22	2,542193E+22	2,586807E+22	2,586760E+22	2,542111E+22	2,410137E+22	2,176960E+22	1,905071E+22	1,716524E+22	1,716515E+22	1,905047E+22	2,176928E+22
1464	2,410123E+22	2,542146E+22	2,586827E+22	2,586859E+22	2,542213E+22	2,410207E+22	2,177003E+22	1,905091E+22	1,716530E+22	1,716514E+22	1,905049E+22	2,176959E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410198E+22	2,542237E+22	2,586888E+22	2,586884E+22	2,542195E+22	2,410136E+22	2,176913E+22	1,905027E+22	1,716505E+22	1,716523E+22	1,905072E+22	2,176959E+22
1466	2,410152E+22	2,542150E+22	2,586768E+22	2,586783E+22	2,542174E+22	2,410165E+22	2,176944E+22	1,905037E+22	1,716495E+22	1,716497E+22	1,905041E+22	2,176940E+22
1467	2,410157E+22	2,542194E+22	2,586860E+22	2,586872E+22	2,542242E+22	2,410226E+22	2,176980E+22	1,905046E+22	1,716498E+22	1,716511E+22	1,905077E+22	2,177005E+22
1468	2,410228E+22	2,542238E+22	2,586868E+22	2,586832E+22	2,542134E+22	2,410119E+22	2,176941E+22	1,905062E+22	1,716520E+22	1,716514E+22	1,905051E+22	2,176949E+22
1469	2,410152E+22	2,542141E+22	2,586770E+22	2,586812E+22	2,542192E+22	2,410186E+22	2,176997E+22	1,905113E+22	1,716568E+22	1,716542E+22	1,905045E+22	2,176921E+22
1470	2,410157E+22	2,542236E+22	2,586914E+22	2,586911E+22	2,542242E+22	2,410192E+22	2,176969E+22	1,905092E+22	1,716585E+22	1,716600E+22	1,905124E+22	2,176985E+22
1471	2,410167E+22	2,542192E+22	2,586842E+22	2,586809E+22	2,542131E+22	2,410129E+22	2,176962E+22	1,905114E+22	1,716616E+22	1,716627E+22	1,905133E+22	2,176958E+22
1472	2,410098E+22	2,542093E+22	2,586780E+22	2,586840E+22	2,542220E+22	2,410227E+22	2,177046E+22	1,905180E+22	1,716665E+22	1,716657E+22	1,905153E+22	2,177003E+22
1473	2,410190E+22	2,542210E+22	2,586863E+22	2,586877E+22	2,542216E+22	2,410180E+22	2,176988E+22	1,905148E+22	1,716669E+22	1,716689E+22	1,905194E+22	2,177028E+22
1474	2,410180E+22	2,542157E+22	2,586760E+22	2,586744E+22	2,542125E+22	2,410155E+22	2,177009E+22	1,905185E+22	1,716693E+22	1,716682E+22	1,905160E+22	2,176989E+22
1475	2,410160E+22	2,542174E+22	2,586838E+22	2,586839E+22	2,542191E+22	2,410205E+22	2,177045E+22	1,905206E+22	1,716713E+22	1,716707E+22	1,905192E+22	2,177036E+22
1476	2,410225E+22	2,542250E+22	2,586901E+22	2,586865E+22	2,542135E+22	2,410098E+22	2,176968E+22	1,905180E+22	1,716708E+22	1,716708E+22	1,905184E+22	2,176993E+22
1477	2,410138E+22	2,542129E+22	2,586770E+22	2,586804E+22	2,542180E+22	2,410170E+22	2,177006E+22	1,905186E+22	1,716702E+22	1,716690E+22	1,905158E+22	2,176967E+22
1478	2,410133E+22	2,542189E+22	2,586893E+22	2,586906E+22	2,542251E+22	2,410219E+22	2,177007E+22	1,905142E+22	1,716655E+22	1,716676E+22	1,905189E+22	2,177035E+22
1479	2,410196E+22	2,542195E+22	2,586840E+22	2,586817E+22	2,542136E+22	2,410135E+22	2,176981E+22	1,905136E+22	1,716634E+22	1,716639E+22	1,905140E+22	2,176972E+22
1480	2,410124E+22	2,542104E+22	2,586747E+22	2,586796E+22	2,542190E+22	2,410209E+22	2,177045E+22	1,905182E+22	1,716650E+22	1,716619E+22	1,905104E+22	2,176963E+22
1481	2,410177E+22	2,542232E+22	2,586884E+22	2,586879E+22	2,542223E+22	2,410179E+22	2,176972E+22	1,905113E+22	1,716611E+22	1,716618E+22	1,905128E+22	2,176981E+22
1482	2,410160E+22	2,542175E+22	2,586805E+22	2,586771E+22	2,542117E+22	2,410126E+22	2,176961E+22	1,905108E+22	1,716595E+22	1,716588E+22	1,905091E+22	2,176943E+22
1483	2,410116E+22	2,542127E+22	2,586810E+22	2,586844E+22	2,542200E+22	2,410193E+22	2,177001E+22	1,905117E+22	1,716591E+22	1,716590E+22	1,905115E+22	2,176997E+22
1484	2,410202E+22	2,542225E+22	2,586880E+22	2,586881E+22	2,542182E+22	2,410123E+22	2,176933E+22	1,905076E+22	1,716564E+22	1,716580E+22	1,905113E+22	2,176981E+22
1485	2,410152E+22	2,542134E+22	2,586739E+22	2,586757E+22	2,542161E+22	2,410167E+22	2,176975E+22	1,905098E+22	1,716571E+22	1,716564E+22	1,905080E+22	2,176945E+22
1486	2,410140E+22	2,542188E+22	2,586865E+22	2,586861E+22	2,542219E+22	2,410212E+22	2,176996E+22	1,905097E+22	1,716571E+22	1,716578E+22	1,905111E+22	2,177004E+22
1487	2,410215E+22	2,542238E+22	2,586878E+22	2,586836E+22	2,542127E+22	2,410109E+22	2,176953E+22	1,905106E+22	1,716601E+22	1,716606E+22	1,905108E+22	2,176949E+22
1488	2,410119E+22	2,542114E+22	2,586757E+22	2,586796E+22	2,542171E+22	2,410170E+22	2,177016E+22	1,905180E+22	1,716670E+22	1,716646E+22	1,905119E+22	2,176946E+22
1489	2,410134E+22	2,542195E+22	2,586882E+22	2,586903E+22	2,542253E+22	2,410198E+22	2,176982E+22	1,905141E+22	1,716670E+22	1,716691E+22	1,905191E+22	2,177015E+22
1490	2,410159E+22	2,542158E+22	2,586803E+22	2,586787E+22	2,542133E+22	2,410144E+22	2,176994E+22	1,905171E+22	1,716695E+22	1,716702E+22	1,905185E+22	2,176996E+22
1491	2,410124E+22	2,542093E+22	2,586752E+22	2,586788E+22	2,542168E+22	2,410200E+22	2,177064E+22	1,905237E+22	1,716745E+22	1,716734E+22	1,905208E+22	2,177036E+22
1492	2,410211E+22	2,542230E+22	2,586875E+22	2,586861E+22	2,542167E+22	2,410136E+22	2,177001E+22	1,905216E+22	1,716756E+22	1,716761E+22	1,905228E+22	2,177028E+22
1493	2,410169E+22	2,542158E+22	2,586771E+22	2,586746E+22	2,542108E+22	2,410133E+22	2,177017E+22	1,905239E+22	1,716782E+22	1,716769E+22	1,905206E+22	2,176980E+22
1494	2,410118E+22	2,542157E+22	2,586861E+22	2,586865E+22	2,542194E+22	2,410184E+22	2,177033E+22	1,905231E+22	1,716775E+22	1,716779E+22	1,905240E+22	2,177042E+22
1495	2,410200E+22	2,542221E+22	2,586892E+22	2,586881E+22	2,542166E+22	2,410117E+22	2,176978E+22	1,905200E+22	1,716761E+22	1,716780E+22	1,905240E+22	2,177010E+22
1496	2,410118E+22	2,542093E+22	2,586735E+22	2,586773E+22	2,542169E+22	2,410183E+22	2,177046E+22	1,905246E+22	1,716772E+22	1,716756E+22	1,905206E+22	2,176993E+22
1497	2,410131E+22	2,542162E+22	2,586854E+22	2,586876E+22	2,542244E+22	2,410226E+22	2,177036E+22	1,905201E+22	1,716726E+22	1,716734E+22	1,905217E+22	2,177041E+22
1498	2,410190E+22	2,542184E+22	2,586824E+22	2,586796E+22	2,542123E+22	2,410137E+22	2,177010E+22	1,905197E+22	1,716712E+22	1,716703E+22	1,905170E+22	2,176981E+22
1499	2,410128E+22	2,542106E+22	2,586745E+22	2,586764E+22	2,542137E+22	2,410164E+22	2,177042E+22	1,905225E+22	1,716725E+22	1,716700E+22	1,905162E+22	2,176983E+22
1500	2,410169E+22	2,542222E+22	2,586890E+22	2,586881E+22	2,542196E+22	2,410138E+22	2,176965E+22	1,905156E+22	1,716682E+22	1,716692E+22	1,905181E+22	2,177001E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1501	2,410145E+22	2,542146E+22	2,586784E+22	2,586764E+22	2,542123E+22	2,410128E+22	2,176964E+22	1,905136E+22	1,716656E+22	1,716661E+22	1,905149E+22	2,176967E+22
1502	2,410103E+22	2,542107E+22	2,586801E+22	2,586831E+22	2,542187E+22	2,410182E+22	2,177003E+22	1,905138E+22	1,716632E+22	1,716638E+22	1,905152E+22	2,177022E+22
1503	2,410217E+22	2,542229E+22	2,586873E+22	2,586868E+22	2,542176E+22	2,410123E+22	2,176950E+22	1,905112E+22	1,716620E+22	1,716637E+22	1,905145E+22	2,176986E+22
1504	2,410149E+22	2,542137E+22	2,586738E+22	2,586729E+22	2,542126E+22	2,410151E+22	2,177002E+22	1,905169E+22	1,716662E+22	1,716640E+22	1,905116E+22	2,176944E+22
1505	2,410118E+22	2,542171E+22	2,586864E+22	2,586866E+22	2,542219E+22	2,410202E+22	2,177009E+22	1,905157E+22	1,716663E+22	1,716662E+22	1,905151E+22	2,176992E+22
1506	2,410175E+22	2,542204E+22	2,586871E+22	2,586849E+22	2,542147E+22	2,410120E+22	2,176975E+22	1,905164E+22	1,716691E+22	1,716693E+22	1,905164E+22	2,176967E+22
1507	2,410101E+22	2,542079E+22	2,586726E+22	2,586764E+22	2,542148E+22	2,410162E+22	2,177033E+22	1,905231E+22	1,716755E+22	1,716742E+22	1,905197E+22	2,176990E+22
1508	2,410138E+22	2,542172E+22	2,586857E+22	2,586876E+22	2,542223E+22	2,410184E+22	2,177014E+22	1,905212E+22	1,716755E+22	1,716771E+22	1,905246E+22	2,177045E+22
1509	2,410167E+22	2,542144E+22	2,586775E+22	2,586754E+22	2,542107E+22	2,410134E+22	2,177018E+22	1,905239E+22	1,716790E+22	1,716790E+22	1,905239E+22	2,177011E+22
1510	2,410117E+22	2,542099E+22	2,586766E+22	2,586776E+22	2,542132E+22	2,410164E+22	2,177061E+22	1,905281E+22	1,716823E+22	1,716812E+22	1,905255E+22	2,177048E+22
1511	2,410210E+22	2,542238E+22	2,586899E+22	2,586875E+22	2,542161E+22	2,410116E+22	2,176997E+22	1,905250E+22	1,716831E+22	1,716850E+22	1,905285E+22	2,177034E+22
1512	2,410143E+22	2,542137E+22	2,586772E+22	2,586747E+22	2,542103E+22	2,410124E+22	2,177027E+22	1,905290E+22	1,716865E+22	1,716857E+22	1,905270E+22	2,177004E+22
1513	2,410099E+22	2,542118E+22	2,586834E+22	2,586871E+22	2,542224E+22	2,410206E+22	2,177050E+22	1,905268E+22	1,716838E+22	1,716845E+22	1,905285E+22	2,177059E+22
1514	2,410191E+22	2,542193E+22	2,586860E+22	2,586863E+22	2,542177E+22	2,410147E+22	2,177018E+22	1,905252E+22	1,716820E+22	1,716830E+22	1,905271E+22	2,177032E+22
1515	2,410131E+22	2,542084E+22	2,586706E+22	2,586719E+22	2,542119E+22	2,410165E+22	2,177069E+22	1,905304E+22	1,716846E+22	1,716821E+22	1,905246E+22	2,177012E+22
1516	2,410139E+22	2,542164E+22	2,586854E+22	2,586854E+22	2,542195E+22	2,410188E+22	2,177049E+22	1,905263E+22	1,716805E+22	1,716799E+22	1,905245E+22	2,177035E+22
1517	2,410170E+22	2,542167E+22	2,586818E+22	2,586786E+22	2,542100E+22	2,410110E+22	2,177008E+22	1,905242E+22	1,716793E+22	1,716785E+22	1,905219E+22	2,176979E+22
1518	2,410092E+22	2,542083E+22	2,586754E+22	2,586771E+22	2,542126E+22	2,410135E+22	2,177020E+22	1,905239E+22	1,716776E+22	1,716766E+22	1,905215E+22	2,177006E+22
1519	2,410164E+22	2,542204E+22	2,586882E+22	2,586883E+22	2,542205E+22	2,410142E+22	2,176964E+22	1,905167E+22	1,716727E+22	1,716756E+22	1,905232E+22	2,177023E+22
1520	2,410143E+22	2,542126E+22	2,586762E+22	2,586736E+22	2,542104E+22	2,410131E+22	2,176994E+22	1,905189E+22	1,716720E+22	1,716719E+22	1,905189E+22	2,176990E+22
1521	2,410110E+22	2,542097E+22	2,586781E+22	2,586818E+22	2,542190E+22	2,410189E+22	2,177024E+22	1,905191E+22	1,716700E+22	1,716691E+22	1,905171E+22	2,177015E+22
1522	2,410208E+22	2,542227E+22	2,586873E+22	2,586861E+22	2,542175E+22	2,410134E+22	2,176982E+22	1,905176E+22	1,716703E+22	1,716702E+22	1,905173E+22	2,176985E+22
1523	2,410136E+22	2,542126E+22	2,586740E+22	2,586714E+22	2,542089E+22	2,410121E+22	2,177013E+22	1,905232E+22	1,716759E+22	1,716739E+22	1,905182E+22	2,176962E+22
1524	2,410096E+22	2,542138E+22	2,586856E+22	2,586868E+22	2,542203E+22	2,410180E+22	2,177022E+22	1,905220E+22	1,716758E+22	1,716759E+22	1,905217E+22	2,177012E+22
1525	2,410150E+22	2,542156E+22	2,586832E+22	2,586829E+22	2,542145E+22	2,410130E+22	2,176996E+22	1,905218E+22	1,716781E+22	1,716794E+22	1,905241E+22	2,176998E+22
1526	2,410093E+22	2,542059E+22	2,586709E+22	2,586732E+22	2,542114E+22	2,410143E+22	2,177040E+22	1,905272E+22	1,716822E+22	1,716816E+22	1,905256E+22	2,177029E+22
1527	2,410163E+22	2,542181E+22	2,586849E+22	2,586851E+22	2,542194E+22	2,410165E+22	2,177021E+22	1,905256E+22	1,716834E+22	1,716851E+22	1,905293E+22	2,177059E+22
1528	2,410172E+22	2,542154E+22	2,586784E+22	2,586735E+22	2,542070E+22	2,410107E+22	2,177030E+22	1,905302E+22	1,716884E+22	1,716877E+22	1,905287E+22	2,177020E+22
1529	2,410108E+22	2,542090E+22	2,586772E+22	2,586796E+22	2,542143E+22	2,410151E+22	2,177057E+22	1,905323E+22	1,716902E+22	1,716891E+22	1,905296E+22	2,177043E+22
1530	2,410180E+22	2,542213E+22	2,586898E+22	2,586897E+22	2,542195E+22	2,410141E+22	2,177019E+22	1,905295E+22	1,716902E+22	1,716918E+22	1,905332E+22	2,177054E+22
1531	2,410130E+22	2,542104E+22	2,586750E+22	2,586728E+22	2,542090E+22	2,410129E+22	2,177052E+22	1,905338E+22	1,716935E+22	1,716931E+22	1,905328E+22	2,177034E+22
1532	2,410097E+22	2,542087E+22	2,586803E+22	2,586844E+22	2,542196E+22	2,410204E+22	2,177092E+22	1,905338E+22	1,716912E+22	1,716906E+22	1,905318E+22	2,177066E+22
1533	2,410183E+22	2,542171E+22	2,586827E+22	2,586827E+22	2,542153E+22	2,410148E+22	2,177049E+22	1,905318E+22	1,716908E+22	1,716906E+22	1,905309E+22	2,177029E+22
1534	2,410113E+22	2,542084E+22	2,586711E+22	2,586693E+22	2,542069E+22	2,410125E+22	2,177062E+22	1,905340E+22	1,716914E+22	1,716891E+22	1,905289E+22	2,177021E+22
1535	2,410135E+22	2,542163E+22	2,586861E+22	2,586853E+22	2,542173E+22	2,410156E+22	2,177033E+22	1,905288E+22	1,716874E+22	1,716881E+22	1,905298E+22	2,177045E+22
1536	2,410153E+22	2,542145E+22	2,586810E+22	2,586782E+22	2,542087E+22	2,410091E+22	2,177002E+22	1,905274E+22	1,716861E+22	1,716862E+22	1,905280E+22	2,177011E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410089E+22	2,542053E+22	2,586726E+22	2,586774E+22	2,542145E+22	2,410143E+22	2,177019E+22	1,905256E+22	1,716820E+22	1,716818E+22	1,905253E+22	2,177026E+22
1538	2,410169E+22	2,542194E+22	2,586866E+22	2,586872E+22	2,542210E+22	2,410166E+22	2,176998E+22	1,905212E+22	1,716774E+22	1,716792E+22	1,905255E+22	2,177041E+22
1539	2,410157E+22	2,542131E+22	2,586757E+22	2,586705E+22	2,542061E+22	2,410113E+22	2,177015E+22	1,905246E+22	1,716794E+22	1,716782E+22	1,905221E+22	2,176994E+22
1540	2,410108E+22	2,542097E+22	2,586791E+22	2,586813E+22	2,542157E+22	2,410169E+22	2,177049E+22	1,905259E+22	1,716790E+22	1,716767E+22	1,905198E+22	2,176994E+22
1541	2,410170E+22	2,542199E+22	2,586868E+22	2,586867E+22	2,542174E+22	2,410131E+22	2,176997E+22	1,905236E+22	1,716802E+22	1,716803E+22	1,905231E+22	2,176978E+22
1542	2,410089E+22	2,542089E+22	2,586733E+22	2,586714E+22	2,542080E+22	2,410107E+22	2,177010E+22	1,905267E+22	1,716836E+22	1,716829E+22	1,905253E+22	2,176995E+22
1543	2,410091E+22	2,542106E+22	2,586826E+22	2,586852E+22	2,542199E+22	2,410185E+22	2,177035E+22	1,905258E+22	1,716834E+22	1,716850E+22	1,905286E+22	2,177048E+22
1544	2,410155E+22	2,542131E+22	2,586795E+22	2,586787E+22	2,542111E+22	2,410122E+22	2,177027E+22	1,905287E+22	1,716872E+22	1,716881E+22	1,905305E+22	2,177038E+22
1545	2,410112E+22	2,542053E+22	2,586688E+22	2,586717E+22	2,542103E+22	2,410133E+22	2,177051E+22	1,905324E+22	1,716904E+22	1,716891E+22	1,905296E+22	2,177039E+22
1546	2,410169E+22	2,542195E+22	2,586862E+22	2,586848E+22	2,542179E+22	2,410161E+22	2,177041E+22	1,905312E+22	1,716915E+22	1,716923E+22	1,905335E+22	2,177070E+22
1547	2,410166E+22	2,542151E+22	2,586797E+22	2,586735E+22	2,542041E+22	2,410078E+22	2,177034E+22	1,905355E+22	1,716973E+22	1,716970E+22	1,905350E+22	2,177039E+22
1548	2,410094E+22	2,542067E+22	2,586771E+22	2,586809E+22	2,542144E+22	2,410149E+22	2,177074E+22	1,905373E+22	1,716981E+22	1,716971E+22	1,905345E+22	2,177051E+22
1549	2,410155E+22	2,542171E+22	2,586862E+22	2,586881E+22	2,542202E+22	2,410166E+22	2,177052E+22	1,905348E+22	1,716979E+22	1,716997E+22	1,905384E+22	2,177064E+22
1550	2,410114E+22	2,542085E+22	2,586729E+22	2,586698E+22	2,542056E+22	2,410118E+22	2,177072E+22	1,905385E+22	1,716998E+22	1,716991E+22	1,905370E+22	2,177056E+22
1551	2,410109E+22	2,542087E+22	2,586788E+22	2,586816E+22	2,542161E+22	2,410183E+22	2,177099E+22	1,905385E+22	1,716990E+22	1,716980E+22	1,905352E+22	2,177063E+22
1552	2,410169E+22	2,542163E+22	2,586823E+22	2,586805E+22	2,542109E+22	2,410115E+22	2,177056E+22	1,905374E+22	1,716995E+22	1,716991E+22	1,905358E+22	2,177035E+22
1553	2,410096E+22	2,542063E+22	2,586705E+22	2,586710E+22	2,542074E+22	2,410102E+22	2,177044E+22	1,905363E+22	1,716976E+22	1,716961E+22	1,905332E+22	2,177024E+22
1554	2,410115E+22	2,542144E+22	2,586853E+22	2,586862E+22	2,542189E+22	2,410170E+22	2,177042E+22	1,905313E+22	1,716922E+22	1,716934E+22	1,905345E+22	2,177074E+22
1555	2,410152E+22	2,542124E+22	2,586789E+22	2,586764E+22	2,542069E+22	2,410089E+22	2,177018E+22	1,905309E+22	1,716914E+22	1,716921E+22	1,905329E+22	2,177044E+22
1556	2,410103E+22	2,542044E+22	2,586709E+22	2,586759E+22	2,542125E+22	2,410144E+22	2,177054E+22	1,905311E+22	1,716882E+22	1,716867E+22	1,905275E+22	2,177025E+22
1557	2,410162E+22	2,542184E+22	2,586849E+22	2,586853E+22	2,542198E+22	2,410176E+22	2,177031E+22	1,905274E+22	1,716858E+22	1,716864E+22	1,905286E+22	2,177026E+22
1558	2,410132E+22	2,542132E+22	2,586770E+22	2,586699E+22	2,542025E+22	2,410086E+22	2,177019E+22	1,905291E+22	1,716870E+22	1,716860E+22	1,905268E+22	2,177000E+22
1559	2,410091E+22	2,542081E+22	2,586786E+22	2,586818E+22	2,542146E+22	2,410150E+22	2,177046E+22	1,905302E+22	1,716878E+22	1,716865E+22	1,905261E+22	2,177003E+22
1560	2,410139E+22	2,542158E+22	2,586840E+22	2,586855E+22	2,542166E+22	2,410128E+22	2,177010E+22	1,905285E+22	1,716891E+22	1,716903E+22	1,905310E+22	2,177019E+22
1561	2,410088E+22	2,542050E+22	2,586688E+22	2,586700E+22	2,542082E+22	2,410109E+22	2,177019E+22	1,905301E+22	1,716900E+22	1,716902E+22	1,905310E+22	2,177028E+22
1562	2,410108E+22	2,542105E+22	2,586801E+22	2,586822E+22	2,542177E+22	2,410191E+22	2,177068E+22	1,905316E+22	1,716902E+22	1,716907E+22	1,905330E+22	2,177082E+22
1563	2,410178E+22	2,542147E+22	2,586794E+22	2,586756E+22	2,542056E+22	2,410085E+22	2,177036E+22	1,905345E+22	1,716959E+22	1,716961E+22	1,905351E+22	2,177053E+22
1564	2,410118E+22	2,542065E+22	2,586706E+22	2,586719E+22	2,542068E+22	2,410104E+22	2,177064E+22	1,905381E+22	1,716992E+22	1,716972E+22	1,905332E+22	2,177025E+22
1565	2,410135E+22	2,542174E+22	2,586867E+22	2,586865E+22	2,542187E+22	2,410164E+22	2,177057E+22	1,905366E+22	1,717007E+22	1,717019E+22	1,905390E+22	2,177061E+22
1566	2,410123E+22	2,542125E+22	2,586796E+22	2,586744E+22	2,542040E+22	2,410075E+22	2,177040E+22	1,905389E+22	1,717042E+22	1,717049E+22	1,905409E+22	2,177061E+22
1567	2,410083E+22	2,542038E+22	2,586742E+22	2,586797E+22	2,542145E+22	2,410161E+22	2,177097E+22	1,905422E+22	1,717060E+22	1,717051E+22	1,905395E+22	2,177063E+22
1568	2,410140E+22	2,542141E+22	2,586825E+22	2,586847E+22	2,542176E+22	2,410166E+22	2,177089E+22	1,905420E+22	1,717069E+22	1,717078E+22	1,905435E+22	2,177085E+22
1569	2,410114E+22	2,542065E+22	2,586699E+22	2,586681E+22	2,542041E+22	2,410103E+22	2,177082E+22	1,905434E+22	1,717075E+22	1,717063E+22	1,905407E+22	2,177059E+22
1570	2,410102E+22	2,542089E+22	2,586787E+22	2,586803E+22	2,542136E+22	2,410171E+22	2,177116E+22	1,905435E+22	1,717061E+22	1,717048E+22	1,905402E+22	2,177083E+22
1571	2,410158E+22	2,542150E+22	2,586820E+22	2,586798E+22	2,542076E+22	2,410076E+22	2,177046E+22	1,905411E+22	1,717069E+22	1,717076E+22	1,905427E+22	2,177067E+22
1572	2,410092E+22	2,542046E+22	2,586696E+22	2,586712E+22	2,542069E+22	2,410099E+22	2,177051E+22	1,905389E+22	1,717030E+22	1,717025E+22	1,905380E+22	2,177044E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410108E+22	2,542121E+22	2,586827E+22	2,586847E+22	2,542191E+22	2,410189E+22	2,177068E+22	1,905349E+22	1,716976E+22	1,716993E+22	1,905385E+22	2,177084E+22
1574	2,410152E+22	2,542128E+22	2,586783E+22	2,586745E+22	2,542040E+22	2,410075E+22	2,177031E+22	1,905345E+22	1,716962E+22	1,716965E+22	1,905356E+22	2,177056E+22
1575	2,410116E+22	2,542059E+22	2,586710E+22	2,586749E+22	2,542104E+22	2,410128E+22	2,177063E+22	1,905359E+22	1,716958E+22	1,716932E+22	1,905297E+22	2,177007E+22
1576	2,410133E+22	2,542170E+22	2,586847E+22	2,586846E+22	2,542173E+22	2,410157E+22	2,177049E+22	1,905335E+22	1,716947E+22	1,716950E+22	1,905334E+22	2,177026E+22
1577	2,410100E+22	2,542095E+22	2,586753E+22	2,586720E+22	2,542042E+22	2,410078E+22	2,177020E+22	1,905328E+22	1,716943E+22	1,716941E+22	1,905322E+22	2,177009E+22
1578	2,410067E+22	2,542052E+22	2,586761E+22	2,586809E+22	2,542151E+22	2,410166E+22	2,177071E+22	1,905344E+22	1,716942E+22	1,716935E+22	1,905326E+22	2,177043E+22
1579	2,410134E+22	2,542127E+22	2,586801E+22	2,586816E+22	2,542128E+22	2,410115E+22	2,177033E+22	1,905341E+22	1,716969E+22	1,716985E+22	1,905377E+22	2,177062E+22
1580	2,410108E+22	2,542049E+22	2,586668E+22	2,586671E+22	2,542048E+22	2,410100E+22	2,177048E+22	1,905360E+22	1,716979E+22	1,716973E+22	1,905348E+22	2,177037E+22
1581	2,410110E+22	2,542110E+22	2,586795E+22	2,586800E+22	2,542149E+22	2,410180E+22	2,177089E+22	1,905379E+22	1,716996E+22	1,716995E+22	1,905373E+22	2,177074E+22
1582	2,410162E+22	2,542160E+22	2,586817E+22	2,586761E+22	2,542023E+22	2,410048E+22	2,177033E+22	1,905390E+22	1,717039E+22	1,717045E+22	1,905406E+22	2,177065E+22
1583	2,410105E+22	2,542059E+22	2,586717E+22	2,586741E+22	2,542072E+22	2,410087E+22	2,177058E+22	1,905425E+22	1,717082E+22	1,717068E+22	1,905391E+22	2,177031E+22
1584	2,410098E+22	2,542131E+22	2,586843E+22	2,586864E+22	2,542193E+22	2,410175E+22	2,177082E+22	1,905420E+22	1,717093E+22	1,717113E+22	1,905460E+22	2,177091E+22
1585	2,410111E+22	2,542080E+22	2,586752E+22	2,586739E+22	2,542052E+22	2,410089E+22	2,177067E+22	1,905435E+22	1,717107E+22	1,717117E+22	1,905456E+22	2,177081E+22
1586	2,410086E+22	2,542031E+22	2,586712E+22	2,586761E+22	2,542123E+22	2,410170E+22	2,177139E+22	1,905487E+22	1,717131E+22	1,717111E+22	1,905438E+22	2,177086E+22
1587	2,410141E+22	2,542137E+22	2,586810E+22	2,586810E+22	2,542122E+22	2,410130E+22	2,177101E+22	1,905483E+22	1,717161E+22	1,717163E+22	1,905486E+22	2,177101E+22
1588	2,410113E+22	2,542066E+22	2,586704E+22	2,586674E+22	2,542008E+22	2,410074E+22	2,177088E+22	1,905480E+22	1,717154E+22	1,717142E+22	1,905451E+22	2,177058E+22
1589	2,410075E+22	2,542067E+22	2,586782E+22	2,586808E+22	2,542135E+22	2,410162E+22	2,177120E+22	1,905473E+22	1,717134E+22	1,717130E+22	1,905457E+22	2,177090E+22
1590	2,410137E+22	2,542137E+22	2,586815E+22	2,586795E+22	2,542068E+22	2,410065E+22	2,177043E+22	1,905427E+22	1,717112E+22	1,717133E+22	1,905479E+22	2,177101E+22
1591	2,410102E+22	2,542039E+22	2,586680E+22	2,586701E+22	2,542065E+22	2,410100E+22	2,177064E+22	1,905424E+22	1,717086E+22	1,717079E+22	1,905412E+22	2,177054E+22
1592	2,410103E+22	2,542110E+22	2,586807E+22	2,586825E+22	2,542174E+22	2,410191E+22	2,177101E+22	1,905408E+22	1,717046E+22	1,717052E+22	1,905417E+22	2,177092E+22
1593	2,410147E+22	2,542118E+22	2,586772E+22	2,586745E+22	2,542036E+22	2,410064E+22	2,177043E+22	1,905388E+22	1,717027E+22	1,717022E+22	1,905378E+22	2,177044E+22
1594	2,410096E+22	2,542057E+22	2,586713E+22	2,586744E+22	2,542090E+22	2,410123E+22	2,177086E+22	1,905414E+22	1,717028E+22	1,716999E+22	1,905345E+22	2,177017E+22
1595	2,410101E+22	2,542137E+22	2,586832E+22	2,586841E+22	2,542154E+22	2,410129E+22	2,177048E+22	1,905382E+22	1,717031E+22	1,717041E+22	1,905404E+22	2,177056E+22
1596	2,410088E+22	2,542062E+22	2,586723E+22	2,586701E+22	2,542032E+22	2,410078E+22	2,177036E+22	1,905366E+22	1,717012E+22	1,717019E+22	1,905381E+22	2,177036E+22
1597	2,410061E+22	2,542026E+22	2,586725E+22	2,586774E+22	2,542131E+22	2,410170E+22	2,177103E+22	1,905399E+22	1,717016E+22	1,717012E+22	1,905379E+22	2,177063E+22
1598	2,410143E+22	2,542140E+22	2,586795E+22	2,586782E+22	2,542079E+22	2,410080E+22	2,177038E+22	1,905385E+22	1,717037E+22	1,717051E+22	1,905422E+22	2,177086E+22
1599	2,410125E+22	2,542072E+22	2,586684E+22	2,586666E+22	2,542020E+22	2,410067E+22	2,177043E+22	1,905410E+22	1,717069E+22	1,717055E+22	1,905383E+22	2,177027E+22
1600	2,410084E+22	2,542102E+22	2,586807E+22	2,586811E+22	2,542138E+22	2,410160E+22	2,177098E+22	1,905434E+22	1,717089E+22	1,717090E+22	1,905431E+22	2,177079E+22
1601	2,410129E+22	2,542121E+22	2,586808E+22	2,586795E+22	2,542057E+22	2,410050E+22	2,177036E+22	1,905426E+22	1,717113E+22	1,717126E+22	1,905459E+22	2,177073E+22
1602	2,410079E+22	2,542029E+22	2,586696E+22	2,586738E+22	2,542090E+22	2,410120E+22	2,177101E+22	1,905480E+22	1,717150E+22	1,717139E+22	1,905455E+22	2,177065E+22
1603	2,410083E+22	2,542089E+22	2,586801E+22	2,586830E+22	2,542167E+22	2,410173E+22	2,177121E+22	1,905493E+22	1,717183E+22	1,717197E+22	1,905522E+22	2,177126E+22
1604	2,410120E+22	2,542068E+22	2,586722E+22	2,586699E+22	2,542022E+22	2,410089E+22	2,177107E+22	1,905506E+22	1,717198E+22	1,717196E+22	1,905500E+22	2,177089E+22
1605	2,410080E+22	2,542027E+22	2,586698E+22	2,586727E+22	2,542087E+22	2,410156E+22	2,177165E+22	1,905555E+22	1,717228E+22	1,717203E+22	1,905488E+22	2,177086E+22
1606	2,410127E+22	2,542142E+22	2,586819E+22	2,586796E+22	2,542079E+22	2,410083E+22	2,177090E+22	1,905520E+22	1,717235E+22	1,717246E+22	1,905548E+22	2,177127E+22
1607	2,410112E+22	2,542064E+22	2,586712E+22	2,586686E+22	2,542006E+22	2,410047E+22	2,177066E+22	1,905506E+22	1,717226E+22	1,717221E+22	1,905505E+22	2,177076E+22
1608	2,410061E+22	2,542040E+22	2,586763E+22	2,586801E+22	2,542133E+22	2,410160E+22	2,177129E+22	1,905504E+22	1,717192E+22	1,717197E+22	1,905513E+22	2,177124E+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°
1609	2,410141E+22	2,542111E+22	2,586790E+22	2,586796E+22	2,542079E+22	2,410071E+22	2,177059E+22	1,905457E+22	1,717151E+22	1,717169E+22	1,905501E+22	2,177112E+22
1610	2,410112E+22	2,542051E+22	2,586679E+22	2,586684E+22	2,542052E+22	2,410105E+22	2,177096E+22	1,905475E+22	1,717134E+22	1,717114E+22	1,905432E+22	2,177056E+22
1611	2,410085E+22	2,542099E+22	2,586804E+22	2,586805E+22	2,542135E+22	2,410161E+22	2,177114E+22	1,905467E+22	1,717128E+22	1,717123E+22	1,905450E+22	2,177086E+22
1612	2,410124E+22	2,542103E+22	2,586774E+22	2,586743E+22	2,542026E+22	2,410057E+22	2,177059E+22	1,905436E+22	1,717104E+22	1,717098E+22	1,905417E+22	2,177033E+22
1613	2,410053E+22	2,542019E+22	2,586694E+22	2,586735E+22	2,542093E+22	2,410125E+22	2,177101E+22	1,905461E+22	1,717109E+22	1,717087E+22	1,905403E+22	2,177026E+22
1614	2,410076E+22	2,542106E+22	2,586804E+22	2,586814E+22	2,542133E+22	2,410116E+22	2,177055E+22	1,905416E+22	1,717092E+22	1,717113E+22	1,905468E+22	2,177101E+22
1615	2,410104E+22	2,542052E+22	2,586700E+22	2,586679E+22	2,542014E+22	2,410062E+22	2,177043E+22	1,905415E+22	1,717088E+22	1,717089E+22	1,905427E+22	2,177057E+22
1616	2,410064E+22	2,542019E+22	2,586708E+22	2,586746E+22	2,542101E+22	2,410150E+22	2,177120E+22	1,905459E+22	1,717101E+22	1,717091E+22	1,905429E+22	2,177084E+22
1617	2,410145E+22	2,542134E+22	2,586797E+22	2,586788E+22	2,542070E+22	2,410061E+22	2,177043E+22	1,905428E+22	1,717109E+22	1,717122E+22	1,905460E+22	2,177087E+22
1618	2,410113E+22	2,542078E+22	2,586704E+22	2,586676E+22	2,542016E+22	2,410060E+22	2,177062E+22	1,905463E+22	1,717142E+22	1,717132E+22	1,905443E+22	2,177043E+22
1619	2,410053E+22	2,542067E+22	2,586796E+22	2,586814E+22	2,542137E+22	2,410150E+22	2,177109E+22	1,905489E+22	1,717181E+22	1,717187E+22	1,905501E+22	2,177109E+22
1620	2,410120E+22	2,542090E+22	2,586778E+22	2,586777E+22	2,542065E+22	2,410076E+22	2,177072E+22	1,905479E+22	1,717191E+22	1,717208E+22	1,905515E+22	2,177094E+22
1621	2,410070E+22	2,542002E+22	2,586660E+22	2,586698E+22	2,542073E+22	2,410135E+22	2,177149E+22	1,905556E+22	1,717240E+22	1,717222E+22	1,905504E+22	2,177080E+22
1622	2,410086E+22	2,542090E+22	2,586786E+22	2,586789E+22	2,542116E+22	2,410140E+22	2,177134E+22	1,905554E+22	1,717268E+22	1,717274E+22	1,905570E+22	2,177148E+22
1623	2,410131E+22	2,542080E+22	2,586731E+22	2,586685E+22	2,541984E+22	2,410046E+22	2,177100E+22	1,905563E+22	1,717296E+22	1,717285E+22	1,905544E+22	2,177088E+22
1624	2,410056E+22	2,542012E+22	2,586704E+22	2,586729E+22	2,542067E+22	2,410124E+22	2,177161E+22	1,905602E+22	1,717314E+22	1,717297E+22	1,905554E+22	2,177104E+22
1625	2,410106E+22	2,542109E+22	2,586813E+22	2,586818E+22	2,542095E+22	2,410073E+22	2,177078E+22	1,905536E+22	1,717286E+22	1,717309E+22	1,905595E+22	2,177145E+22
1626	2,410104E+22	2,542049E+22	2,586704E+22	2,586683E+22	2,542015E+22	2,410067E+22	2,177092E+22	1,905539E+22	1,717266E+22	1,717267E+22	1,905550E+22	2,177104E+22
1627	2,410056E+22	2,542016E+22	2,586740E+22	2,586781E+22	2,542118E+22	2,410156E+22	2,177152E+22	1,905557E+22	1,717256E+22	1,717252E+22	1,905546E+22	2,177140E+22
1628	2,410149E+22	2,542108E+22	2,586773E+22	2,586769E+22	2,542068E+22	2,410081E+22	2,177089E+22	1,905510E+22	1,717219E+22	1,717223E+22	1,905518E+22	2,177097E+22
1629	2,410089E+22	2,542041E+22	2,586678E+22	2,586665E+22	2,542031E+22	2,410102E+22	2,177126E+22	1,905540E+22	1,717220E+22	1,717191E+22	1,905466E+22	2,177041E+22
1630	2,410055E+22	2,542081E+22	2,586803E+22	2,586796E+22	2,542106E+22	2,410125E+22	2,177108E+22	1,905507E+22	1,717202E+22	1,717202E+22	1,905508E+22	2,177105E+22
1631	2,410107E+22	2,542076E+22	2,586762E+22	2,586743E+22	2,542024E+22	2,410038E+22	2,177046E+22	1,905472E+22	1,717184E+22	1,717183E+22	1,905477E+22	2,177056E+22
1632	2,410037E+22	2,541980E+22	2,586658E+22	2,586707E+22	2,542079E+22	2,410123E+22	2,177115E+22	1,905499E+22	1,717175E+22	1,717166E+22	1,905471E+22	2,177071E+22
1633	2,410090E+22	2,542081E+22	2,586773E+22	2,586792E+22	2,542118E+22	2,410107E+22	2,177065E+22	1,905451E+22	1,717144E+22	1,717164E+22	1,905503E+22	2,177125E+22
1634	2,410127E+22	2,542073E+22	2,586707E+22	2,586659E+22	2,541988E+22	2,410052E+22	2,177063E+22	1,905465E+22	1,717148E+22	1,717143E+22	1,905463E+22	2,177071E+22
1635	2,410060E+22	2,542020E+22	2,586720E+22	2,586741E+22	2,542069E+22	2,410115E+22	2,177122E+22	1,905515E+22	1,717190E+22	1,717174E+22	1,905474E+22	2,177089E+22
1636	2,410132E+22	2,542126E+22	2,586806E+22	2,586797E+22	2,542078E+22	2,410065E+22	2,177058E+22	1,905477E+22	1,717191E+22	1,717205E+22	1,905506E+22	2,177082E+22
1637	2,410076E+22	2,542045E+22	2,586698E+22	2,586680E+22	2,542031E+22	2,410081E+22	2,177095E+22	1,905524E+22	1,717233E+22	1,717224E+22	1,905500E+22	2,177053E+22
1638	2,410030E+22	2,542032E+22	2,586765E+22	2,586789E+22	2,542121E+22	2,410150E+22	2,177135E+22	1,905546E+22	1,717261E+22	1,717269E+22	1,905563E+22	2,177143E+22
1639	2,410126E+22	2,542076E+22	2,586756E+22	2,586752E+22	2,542046E+22	2,410068E+22	2,177096E+22	1,905553E+22	1,717292E+22	1,717294E+22	1,905563E+22	2,177107E+22
1640	2,410065E+22	2,541989E+22	2,586639E+22	2,586660E+22	2,542032E+22	2,410114E+22	2,177170E+22	1,905627E+22	1,717343E+22	1,717319E+22	1,905564E+22	2,177100E+22
1641	2,410081E+22	2,542073E+22	2,586780E+22	2,586783E+22	2,542090E+22	2,410110E+22	2,177134E+22	1,905599E+22	1,717347E+22	1,717355E+22	1,905619E+22	2,177159E+22
1642	2,410124E+22	2,542081E+22	2,586748E+22	2,586696E+22	2,541975E+22	2,410024E+22	2,177098E+22	1,905600E+22	1,717360E+22	1,717362E+22	1,905610E+22	2,177114E+22
1643	2,410037E+22	2,541979E+22	2,586691E+22	2,586729E+22	2,542060E+22	2,410103E+22	2,177151E+22	1,905634E+22	1,717385E+22	1,717378E+22	1,905618E+22	2,177141E+22
1644	2,410112E+22	2,542089E+22	2,586788E+22	2,586798E+22	2,542103E+22	2,410102E+22	2,177105E+22	1,905569E+22	1,717337E+22	1,717363E+22	1,905631E+22	2,177158E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410102E+22	2,542039E+22	2,586690E+22	2,586658E+22	2,542002E+22	2,410082E+22	2,177132E+22	1,905598E+22	1,717331E+22	1,717320E+22	1,905570E+22	2,177100E+22
1646	2,410055E+22	2,542020E+22	2,586733E+22	2,586752E+22	2,542079E+22	2,410132E+22	2,177163E+22	1,905607E+22	1,717325E+22	1,717308E+22	1,905568E+22	2,177137E+22
1647	2,410142E+22	2,542110E+22	2,586785E+22	2,586770E+22	2,542049E+22	2,410053E+22	2,177086E+22	1,905562E+22	1,717306E+22	1,717297E+22	1,905547E+22	2,177079E+22
1648	2,410048E+22	2,542006E+22	2,586668E+22	2,586664E+22	2,542020E+22	2,410086E+22	2,177129E+22	1,905584E+22	1,717300E+22	1,717279E+22	1,905529E+22	2,177058E+22
1649	2,410026E+22	2,542025E+22	2,586772E+22	2,586798E+22	2,542113E+22	2,410125E+22	2,177108E+22	1,905530E+22	1,717253E+22	1,717266E+22	1,905560E+22	2,177133E+22
1650	2,410107E+22	2,542055E+22	2,586740E+22	2,586722E+22	2,542013E+22	2,410048E+22	2,177072E+22	1,905509E+22	1,717230E+22	1,717240E+22	1,905536E+22	2,177095E+22
1651	2,410045E+22	2,541962E+22	2,586631E+22	2,586676E+22	2,542044E+22	2,410103E+22	2,177127E+22	1,905553E+22	1,717250E+22	1,717235E+22	1,905517E+22	2,177101E+22
1652	2,410114E+22	2,542096E+22	2,586767E+22	2,586761E+22	2,542095E+22	2,410108E+22	2,177086E+22	1,905501E+22	1,717218E+22	1,717230E+22	1,905531E+22	2,177119E+22
1653	2,410117E+22	2,542079E+22	2,586726E+22	2,586657E+22	2,541969E+22	2,410044E+22	2,177086E+22	1,905528E+22	1,717238E+22	1,717226E+22	1,905501E+22	2,177062E+22
1654	2,410041E+22	2,542011E+22	2,586730E+22	2,586749E+22	2,542055E+22	2,410089E+22	2,177118E+22	1,905559E+22	1,717273E+22	1,717260E+22	1,905532E+22	2,177106E+22
1655	2,410117E+22	2,542103E+22	2,586799E+22	2,586805E+22	2,542089E+22	2,410063E+22	2,177062E+22	1,905528E+22	1,717283E+22	1,717296E+22	1,905565E+22	2,177098E+22
1656	2,410054E+22	2,542001E+22	2,586664E+22	2,586658E+22	2,542022E+22	2,410093E+22	2,177130E+22	1,905587E+22	1,717320E+22	1,717317E+22	1,905571E+22	2,177090E+22
1657	2,410031E+22	2,541997E+22	2,586732E+22	2,586765E+22	2,542097E+22	2,410142E+22	2,177157E+22	1,905601E+22	1,717337E+22	1,717339E+22	1,905605E+22	2,177158E+22
1658	2,410133E+22	2,542082E+22	2,586755E+22	2,586727E+22	2,542009E+22	2,410050E+22	2,177116E+22	1,905613E+22	1,717374E+22	1,717375E+22	1,905617E+22	2,177120E+22
1659	2,410050E+22	2,541976E+22	2,586640E+22	2,586651E+22	2,541996E+22	2,410073E+22	2,177164E+22	1,905680E+22	1,717439E+22	1,717416E+22	1,905625E+22	2,177116E+22
1660	2,410073E+22	2,542061E+22	2,586775E+22	2,586778E+22	2,542089E+22	2,410108E+22	2,177135E+22	1,905635E+22	1,717422E+22	1,717437E+22	1,905671E+22	2,177166E+22
1661	2,410101E+22	2,542055E+22	2,586739E+22	2,586699E+22	2,541985E+22	2,410041E+22	2,177122E+22	1,905645E+22	1,717431E+22	1,717436E+22	1,905657E+22	2,177132E+22
1662	2,410036E+22	2,541961E+22	2,586669E+22	2,586713E+22	2,542045E+22	2,410100E+22	2,177167E+22	1,905673E+22	1,717442E+22	1,717436E+22	1,905661E+22	2,177167E+22
1663	2,410125E+22	2,542088E+22	2,586776E+22	2,586783E+22	2,542090E+22	2,410096E+22	2,177125E+22	1,905630E+22	1,717414E+22	1,717422E+22	1,905656E+22	2,177153E+22
1664	2,410088E+22	2,542027E+22	2,586679E+22	2,586637E+22	2,541976E+22	2,410077E+22	2,177158E+22	1,905658E+22	1,717414E+22	1,717396E+22	1,905612E+22	2,177101E+22
1665	2,410033E+22	2,541992E+22	2,586726E+22	2,586752E+22	2,542058E+22	2,410112E+22	2,177168E+22	1,905647E+22	1,717392E+22	1,717375E+22	1,905605E+22	2,177133E+22
1666	2,410119E+22	2,542093E+22	2,586786E+22	2,586776E+22	2,542043E+22	2,410042E+22	2,177090E+22	1,905597E+22	1,717367E+22	1,717373E+22	1,905612E+22	2,177102E+22
1667	2,410026E+22	2,541963E+22	2,586636E+22	2,586650E+22	2,542006E+22	2,410071E+22	2,177125E+22	1,905616E+22	1,717369E+22	1,717359E+22	1,905596E+22	2,177102E+22
1668	2,410043E+22	2,542010E+22	2,586732E+22	2,586757E+22	2,542099E+22	2,410142E+22	2,177133E+22	1,905565E+22	1,717306E+22	1,717322E+22	1,905601E+22	2,177155E+22
1669	2,410120E+22	2,542060E+22	2,586730E+22	2,586695E+22	2,541985E+22	2,410045E+22	2,177101E+22	1,905566E+22	1,717299E+22	1,717297E+22	1,905560E+22	2,177101E+22
1670	2,410061E+22	2,541980E+22	2,586638E+22	2,586658E+22	2,542001E+22	2,410065E+22	2,177123E+22	1,905595E+22	1,717322E+22	1,717301E+22	1,905550E+22	2,177103E+22
1671	2,410112E+22	2,542110E+22	2,586795E+22	2,586780E+22	2,542082E+22	2,410080E+22	2,177081E+22	1,905552E+22	1,717307E+22	1,717311E+22	1,905568E+22	2,177103E+22
1672	2,410077E+22	2,542050E+22	2,586728E+22	2,586675E+22	2,541975E+22	2,410042E+22	2,177095E+22	1,905574E+22	1,717324E+22	1,717321E+22	1,905565E+22	2,177074E+22
1673	2,410005E+22	2,541954E+22	2,586701E+22	2,586756E+22	2,542068E+22	2,410104E+22	2,177136E+22	1,905599E+22	1,717340E+22	1,717334E+22	1,905584E+22	2,177123E+22
1674	2,410106E+22	2,542075E+22	2,586774E+22	2,586792E+22	2,542085E+22	2,410081E+22	2,177101E+22	1,905584E+22	1,717353E+22	1,717371E+22	1,905627E+22	2,177126E+22
1675	2,410047E+22	2,541970E+22	2,586624E+22	2,586622E+22	2,541984E+22	2,410075E+22	2,177153E+22	1,905659E+22	1,717420E+22	1,717409E+22	1,905630E+22	2,177118E+22
1676	2,410045E+22	2,541997E+22	2,586706E+22	2,586720E+22	2,542064E+22	2,410141E+22	2,177183E+22	1,905664E+22	1,717429E+22	1,717427E+22	1,905654E+22	2,177162E+22
1677	2,410121E+22	2,542080E+22	2,586762E+22	2,586719E+22	2,541979E+22	2,410030E+22	2,177133E+22	1,905676E+22	1,717471E+22	1,717470E+22	1,905671E+22	2,177130E+22
1678	2,410043E+22	2,541967E+22	2,586638E+22	2,586651E+22	2,541976E+22	2,410038E+22	2,177146E+22	1,905711E+22	1,717517E+22	1,717506E+22	1,905693E+22	2,177149E+22
1679	2,410076E+22	2,542051E+22	2,586769E+22	2,586783E+22	2,542091E+22	2,410101E+22	2,177136E+22	1,905674E+22	1,717495E+22	1,717512E+22	1,905723E+22	2,177186E+22
1680	2,410093E+22	2,542031E+22	2,586715E+22	2,586684E+22	2,541976E+22	2,410052E+22	2,177152E+22	1,905694E+22	1,717497E+22	1,717503E+22	1,905705E+22	2,177155E+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												
1681	2,410036E+22	2,541944E+22	2,586653E+22	2,586700E+22	2,542026E+22	2,410094E+22	2,177189E+22	1,905720E+22	1,717499E+22	1,717481E+22	1,905677E+22	2,177161E+22
1682	2,410120E+22	2,542097E+22	2,586787E+22	2,586777E+22	2,542067E+22	2,410087E+22	2,177146E+22	1,905679E+22	1,717481E+22	1,717487E+22	1,905691E+22	2,177144E+22
1683	2,410055E+22	2,542001E+22	2,586674E+22	2,586639E+22	2,541951E+22	2,410048E+22	2,177160E+22	1,905708E+22	1,717500E+22	1,717483E+22	1,905665E+22	2,177109E+22
1684	2,410013E+22	2,541966E+22	2,586698E+22	2,586737E+22	2,542061E+22	2,410122E+22	2,177178E+22	1,905680E+22	1,717458E+22	1,717450E+22	1,905657E+22	2,177141E+22
1685	2,410091E+22	2,542058E+22	2,586759E+22	2,586762E+22	2,542039E+22	2,410055E+22	2,177118E+22	1,905642E+22	1,717434E+22	1,717442E+22	1,905660E+22	2,177128E+22
1686	2,410037E+22	2,541950E+22	2,586607E+22	2,586622E+22	2,541976E+22	2,410052E+22	2,177131E+22	1,905651E+22	1,717426E+22	1,717419E+22	1,905643E+22	2,177136E+22
1687	2,410070E+22	2,542025E+22	2,586727E+22	2,586738E+22	2,542067E+22	2,410115E+22	2,177138E+22	1,905618E+22	1,717382E+22	1,717384E+22	1,905630E+22	2,177156E+22
1688	2,410115E+22	2,542063E+22	2,586733E+22	2,586687E+22	2,541960E+22	2,410030E+22	2,177116E+22	1,905616E+22	1,717377E+22	1,717375E+22	1,905607E+22	2,177107E+22
1689	2,410040E+22	2,541966E+22	2,586651E+22	2,586679E+22	2,541990E+22	2,410042E+22	2,177121E+22	1,905628E+22	1,717385E+22	1,717367E+22	1,905588E+22	2,177098E+22
1690	2,410084E+22	2,542090E+22	2,586800E+22	2,586800E+22	2,542092E+22	2,410082E+22	2,177090E+22	1,905585E+22	1,717372E+22	1,717393E+22	1,905634E+22	2,177119E+22
1691	2,410045E+22	2,542000E+22	2,586690E+22	2,586668E+22	2,541976E+22	2,410050E+22	2,177115E+22	1,905623E+22	1,717405E+22	1,717411E+22	1,905636E+22	2,177112E+22
1692	2,410012E+22	2,541931E+22	2,586646E+22	2,586705E+22	2,542055E+22	2,410130E+22	2,177179E+22	1,905658E+22	1,717416E+22	1,717407E+22	1,905631E+22	2,177139E+22
1693	2,410104E+22	2,542066E+22	2,586752E+22	2,586756E+22	2,542049E+22	2,410077E+22	2,177143E+22	1,905664E+22	1,717450E+22	1,717451E+22	1,905664E+22	2,177137E+22
1694	2,410058E+22	2,541978E+22	2,586619E+22	2,586597E+22	2,541932E+22	2,410027E+22	2,177149E+22	1,905713E+22	1,717514E+22	1,717500E+22	1,905684E+22	2,177133E+22
1695	2,410045E+22	2,542006E+22	2,586722E+22	2,586726E+22	2,542035E+22	2,410097E+22	2,177175E+22	1,905719E+22	1,717526E+22	1,717522E+22	1,905710E+22	2,177164E+22
1696	2,410090E+22	2,542054E+22	2,586758E+22	2,586729E+22	2,541981E+22	2,410025E+22	2,177139E+22	1,905717E+22	1,717551E+22	1,717565E+22	1,905744E+22	2,177157E+22
1697	2,410022E+22	2,541932E+22	2,586624E+22	2,586657E+22	2,541979E+22	2,410044E+22	2,177159E+22	1,905741E+22	1,717570E+22	1,717567E+22	1,905739E+22	2,177169E+22
1698	2,410075E+22	2,542043E+22	2,586761E+22	2,586778E+22	2,542088E+22	2,410115E+22	2,177171E+22	1,905720E+22	1,717554E+22	1,717575E+22	1,905769E+22	2,177200E+22
1699	2,410086E+22	2,542013E+22	2,586692E+22	2,586666E+22	2,541956E+22	2,410045E+22	2,177178E+22	1,905758E+22	1,717583E+22	1,717578E+22	1,905746E+22	2,177164E+22
1700	2,410037E+22	2,541943E+22	2,586630E+22	2,586668E+22	2,542010E+22	2,410103E+22	2,177218E+22	1,905778E+22	1,717580E+22	1,717554E+22	1,905711E+22	2,177147E+22
1701	2,410085E+22	2,542080E+22	2,586790E+22	2,586779E+22	2,542052E+22	2,410075E+22	2,177168E+22	1,905740E+22	1,717567E+22	1,717567E+22	1,905736E+22	2,177151E+22
1702	2,410038E+22	2,541973E+22	2,586653E+22	2,586630E+22	2,541934E+22	2,410016E+22	2,177145E+22	1,905737E+22	1,717569E+22	1,717566E+22	1,905734E+22	2,177147E+22
1703	2,410017E+22	2,541950E+22	2,586676E+22	2,586721E+22	2,542046E+22	2,410109E+22	2,177184E+22	1,905718E+22	1,717520E+22	1,717519E+22	1,905712E+22	2,177170E+22
1704	2,410094E+22	2,542043E+22	2,586731E+22	2,586732E+22	2,542013E+22	2,410049E+22	2,177137E+22	1,905682E+22	1,717490E+22	1,717503E+22	1,905709E+22	2,177156E+22
1705	2,410044E+22	2,541951E+22	2,586603E+22	2,586604E+22	2,541944E+22	2,410028E+22	2,177133E+22	1,905682E+22	1,717474E+22	1,717461E+22	1,905660E+22	2,177135E+22
1706	2,410072E+22	2,542047E+22	2,586754E+22	2,586747E+22	2,542051E+22	2,410095E+22	2,177142E+22	1,905649E+22	1,717439E+22	1,717447E+22	1,905665E+22	2,177145E+22
1707	2,410082E+22	2,542041E+22	2,586735E+22	2,586705E+22	2,541956E+22	2,410009E+22	2,177116E+22	1,905658E+22	1,717454E+22	1,717454E+22	1,905657E+22	2,177113E+22
1708	2,410016E+22	2,541938E+22	2,586622E+22	2,586671E+22	2,542011E+22	2,410071E+22	2,177147E+22	1,905671E+22	1,717453E+22	1,717440E+22	1,905636E+22	2,177101E+22
1709	2,410047E+22	2,542049E+22	2,586773E+22	2,586789E+22	2,542095E+22	2,410108E+22	2,177140E+22	1,905652E+22	1,717451E+22	1,717466E+22	1,905679E+22	2,177141E+22
1710	2,410048E+22	2,541976E+22	2,586649E+22	2,586630E+22	2,541944E+22	2,410034E+22	2,177139E+22	1,905685E+22	1,717491E+22	1,717494E+22	1,905693E+22	2,177144E+22
1711	2,410029E+22	2,541939E+22	2,586629E+22	2,586668E+22	2,542011E+22	2,410101E+22	2,177200E+22	1,905734E+22	1,717517E+22	1,717497E+22	1,905681E+22	2,177146E+22
1712	2,410093E+22	2,542061E+22	2,586745E+22	2,586733E+22	2,542009E+22	2,410050E+22	2,177157E+22	1,905728E+22	1,717551E+22	1,717555E+22	1,905733E+22	2,177154E+22
1713	2,410038E+22	2,541966E+22	2,586633E+22	2,586609E+22	2,541910E+22	2,409990E+22	2,177137E+22	1,905748E+22	1,717589E+22	1,717583E+22	1,905742E+22	2,177150E+22
1714	2,410034E+22	2,541998E+22	2,586732E+22	2,586746E+22	2,542042E+22	2,410086E+22	2,177171E+22	1,905744E+22	1,717593E+22	1,717611E+22	1,905783E+22	2,177193E+22
1715	2,410075E+22	2,542019E+22	2,586731E+22	2,586727E+22	2,541985E+22	2,410031E+22	2,177157E+22	1,905761E+22	1,717623E+22	1,717644E+22	1,905808E+22	2,177195E+22
1716	2,410037E+22	2,541926E+22	2,586590E+22	2,586622E+22	2,541978E+22	2,410072E+22	2,177202E+22	1,905798E+22	1,717636E+22	1,717625E+22	1,905770E+22	2,177171E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1717	2,410064E+22	2,542039E+22	2,586757E+22	2,586761E+22	2,542067E+22	2,410118E+22	2,177216E+22	1,905798E+22	1,717642E+22	1,717640E+22	1,905789E+22	2,177195E+22
1718	2,410080E+22	2,542009E+22	2,586689E+22	2,586654E+22	2,541926E+22	2,410011E+22	2,177181E+22	1,905812E+22	1,717671E+22	1,717663E+22	1,905792E+22	2,177167E+22
1719	2,410020E+22	2,541935E+22	2,586632E+22	2,586666E+22	2,541989E+22	2,410070E+22	2,177218E+22	1,905831E+22	1,717666E+22	1,717640E+22	1,905764E+22	2,177149E+22
1720	2,410045E+22	2,542033E+22	2,586761E+22	2,586770E+22	2,542052E+22	2,410075E+22	2,177178E+22	1,905778E+22	1,717637E+22	1,717651E+22	1,905807E+22	2,177184E+22
1721	2,410020E+22	2,541937E+22	2,586630E+22	2,586617E+22	2,541922E+22	2,410008E+22	2,177150E+22	1,905757E+22	1,717608E+22	1,717614E+22	1,905776E+22	2,177177E+22
1722	2,410029E+22	2,541948E+22	2,586666E+22	2,586702E+22	2,542024E+22	2,410095E+22	2,177195E+22	1,905748E+22	1,717568E+22	1,717573E+22	1,905753E+22	2,177188E+22
1723	2,410096E+22	2,542037E+22	2,586717E+22	2,586711E+22	2,541988E+22	2,410032E+22	2,177150E+22	1,905729E+22	1,717559E+22	1,717566E+22	1,905745E+22	2,177169E+22
1724	2,410052E+22	2,541965E+22	2,586599E+22	2,586585E+22	2,541933E+22	2,410030E+22	2,177151E+22	1,905725E+22	1,717537E+22	1,717520E+22	1,905686E+22	2,177118E+22
1725	2,410037E+22	2,542033E+22	2,586767E+22	2,586764E+22	2,542052E+22	2,410090E+22	2,177163E+22	1,905706E+22	1,717518E+22	1,717515E+22	1,905699E+22	2,177149E+22
1726	2,410064E+22	2,542010E+22	2,586715E+22	2,586705E+22	2,541961E+22	2,409998E+22	2,177115E+22	1,905695E+22	1,717528E+22	1,717536E+22	1,905718E+22	2,177141E+22
1727	2,410013E+22	2,541917E+22	2,586594E+22	2,586645E+22	2,541996E+22	2,410069E+22	2,177176E+22	1,905732E+22	1,717532E+22	1,717518E+22	1,905691E+22	2,177123E+22
1728	2,410035E+22	2,542018E+22	2,586735E+22	2,586750E+22	2,542067E+22	2,410105E+22	2,177177E+22	1,905721E+22	1,717538E+22	1,717548E+22	1,905738E+22	2,177166E+22
1729	2,410043E+22	2,541970E+22	2,586645E+22	2,586604E+22	2,541901E+22	2,409999E+22	2,177144E+22	1,905737E+22	1,717570E+22	1,717567E+22	1,905734E+22	2,177152E+22
1730	2,410027E+22	2,541951E+22	2,586652E+22	2,586670E+22	2,541981E+22	2,410064E+22	2,177195E+22	1,905775E+22	1,717602E+22	1,717594E+22	1,905743E+22	2,177154E+22
1731	2,410066E+22	2,542038E+22	2,586743E+22	2,586742E+22	2,542003E+22	2,410026E+22	2,177153E+22	1,905772E+22	1,717639E+22	1,717655E+22	1,905805E+22	2,177182E+22
1732	2,410030E+22	2,541946E+22	2,586609E+22	2,586601E+22	2,541932E+22	2,410014E+22	2,177156E+22	1,905787E+22	1,717657E+22	1,717659E+22	1,905796E+22	2,177166E+22
1733	2,410017E+22	2,541973E+22	2,586720E+22	2,586747E+22	2,542052E+22	2,410109E+22	2,177216E+22	1,905809E+22	1,717668E+22	1,717675E+22	1,905822E+22	2,177218E+22
1734	2,410087E+22	2,542005E+22	2,586703E+22	2,586702E+22	2,541969E+22	2,410021E+22	2,177181E+22	1,905823E+22	1,717706E+22	1,717718E+22	1,905853E+22	2,177215E+22
1735	2,410047E+22	2,541934E+22	2,586585E+22	2,586597E+22	2,541947E+22	2,410057E+22	2,177235E+22	1,905876E+22	1,717731E+22	1,717706E+22	1,905810E+22	2,177166E+22
1736	2,410034E+22	2,542016E+22	2,586750E+22	2,586747E+22	2,542040E+22	2,410101E+22	2,177237E+22	1,905862E+22	1,717735E+22	1,717733E+22	1,905848E+22	2,177200E+22
1737	2,410042E+22	2,541979E+22	2,586688E+22	2,586653E+22	2,541906E+22	2,409979E+22	2,177170E+22	1,905844E+22	1,717739E+22	1,717739E+22	1,905847E+22	2,177186E+22
1738	2,410006E+22	2,541914E+22	2,586623E+22	2,586663E+22	2,541987E+22	2,410059E+22	2,177210E+22	1,905846E+22	1,717722E+22	1,717720E+22	1,905832E+22	2,177182E+22
1739	2,410040E+22	2,541998E+22	2,586719E+22	2,586738E+22	2,542036E+22	2,410069E+22	2,177188E+22	1,905811E+22	1,717692E+22	1,717713E+22	1,905861E+22	2,177227E+22
1740	2,410049E+22	2,541941E+22	2,586600E+22	2,586576E+22	2,541906E+22	2,410014E+22	2,177173E+22	1,905798E+22	1,717656E+22	1,717651E+22	1,905794E+22	2,177180E+22
1741	2,410032E+22	2,541963E+22	2,586683E+22	2,586697E+22	2,542001E+22	2,410079E+22	2,177216E+22	1,905804E+22	1,717634E+22	1,717617E+22	1,905761E+22	2,177183E+22
1742	2,410094E+22	2,542039E+22	2,586728E+22	2,586714E+22	2,541970E+22	2,409998E+22	2,177142E+22	1,905768E+22	1,717630E+22	1,717635E+22	1,905779E+22	2,177164E+22
1743	2,410031E+22	2,541958E+22	2,586613E+22	2,586596E+22	2,541931E+22	2,410016E+22	2,177162E+22	1,905775E+22	1,717613E+22	1,717596E+22	1,905731E+22	2,177113E+22
1744	2,409988E+22	2,541979E+22	2,586740E+22	2,586759E+22	2,542063E+22	2,410107E+22	2,177191E+22	1,905757E+22	1,717594E+22	1,717598E+22	1,905760E+22	2,177167E+22
1745	2,410033E+22	2,541969E+22	2,586690E+22	2,586684E+22	2,541950E+22	2,409999E+22	2,177137E+22	1,905742E+22	1,717592E+22	1,717601E+22	1,905765E+22	2,177166E+22
1746	2,410018E+22	2,541907E+22	2,586578E+22	2,586618E+22	2,541971E+22	2,410056E+22	2,177193E+22	1,905783E+22	1,717613E+22	1,717603E+22	1,905747E+22	2,177144E+22
1747	2,410032E+22	2,542000E+22	2,586709E+22	2,586715E+22	2,542033E+22	2,410083E+22	2,177193E+22	1,905784E+22	1,717633E+22	1,717641E+22	1,905799E+22	2,177194E+22
1748	2,410051E+22	2,541973E+22	2,586637E+22	2,586585E+22	2,541884E+22	2,409986E+22	2,177155E+22	1,905788E+22	1,717652E+22	1,717651E+22	1,905787E+22	2,177160E+22
1749	2,410006E+22	2,541939E+22	2,586667E+22	2,586687E+22	2,541979E+22	2,410047E+22	2,177203E+22	1,905829E+22	1,717688E+22	1,717677E+22	1,905801E+22	2,177184E+22
1750	2,410066E+22	2,542014E+22	2,586727E+22	2,586741E+22	2,542008E+22	2,410019E+22	2,177153E+22	1,905807E+22	1,717715E+22	1,717743E+22	1,905875E+22	2,177222E+22
1751	2,410043E+22	2,541943E+22	2,586598E+22	2,586581E+22	2,541917E+22	2,410017E+22	2,177192E+22	1,905849E+22	1,717732E+22	1,717731E+22	1,905843E+22	2,177182E+22
1752	2,410008E+22	2,541952E+22	2,586694E+22	2,586718E+22	2,542032E+22	2,410113E+22	2,177258E+22	1,905885E+22	1,717757E+22	1,717750E+22	1,905863E+22	2,177223E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410071E+22	2,542001E+22	2,586709E+22	2,586688E+22	2,541939E+22	2,409997E+22	2,177191E+22	1,905878E+22	1,717786E+22	1,717787E+22	1,905882E+22	2,177208E+22
1754	2,410028E+22	2,541930E+22	2,586601E+22	2,586598E+22	2,541924E+22	2,410028E+22	2,177230E+22	1,905916E+22	1,717816E+22	1,717800E+22	1,905866E+22	2,177165E+22
1755	2,409994E+22	2,541968E+22	2,586726E+22	2,586740E+22	2,542033E+22	2,410088E+22	2,177240E+22	1,905906E+22	1,717816E+22	1,717823E+22	1,905917E+22	2,177230E+22
1756	2,410033E+22	2,541947E+22	2,586650E+22	2,586630E+22	2,541913E+22	2,409994E+22	2,177185E+22	1,905877E+22	1,717795E+22	1,717802E+22	1,905896E+22	2,177207E+22
1757	2,409999E+22	2,541893E+22	2,586607E+22	2,586649E+22	2,541975E+22	2,410060E+22	2,177238E+22	1,905898E+22	1,717782E+22	1,717768E+22	1,905864E+22	2,177213E+22
1758	2,410065E+22	2,541996E+22	2,586698E+22	2,586708E+22	2,542008E+22	2,410047E+22	2,177193E+22	1,905854E+22	1,717758E+22	1,717773E+22	1,905894E+22	2,177243E+22
1759	2,410067E+22	2,541964E+22	2,586614E+22	2,586558E+22	2,541871E+22	2,409994E+22	2,177192E+22	1,905854E+22	1,717727E+22	1,717712E+22	1,905819E+22	2,177167E+22
1760	2,410004E+22	2,541947E+22	2,586690E+22	2,586702E+22	2,541989E+22	2,410067E+22	2,177229E+22	1,905856E+22	1,717711E+22	1,717691E+22	1,905803E+22	2,177176E+22
1761	2,410053E+22	2,542012E+22	2,586737E+22	2,586729E+22	2,541973E+22	2,409982E+22	2,177133E+22	1,905796E+22	1,717690E+22	1,717701E+22	1,905825E+22	2,177175E+22
1762	2,410010E+22	2,541928E+22	2,586603E+22	2,586598E+22	2,541939E+22	2,410022E+22	2,177166E+22	1,905800E+22	1,717677E+22	1,717680E+22	1,905795E+22	2,177139E+22
1763	2,409974E+22	2,541929E+22	2,586688E+22	2,586720E+22	2,542048E+22	2,410115E+22	2,177221E+22	1,905810E+22	1,717666E+22	1,717673E+22	1,905820E+22	2,177205E+22
1764	2,410051E+22	2,541959E+22	2,586649E+22	2,586636E+22	2,541926E+22	2,410002E+22	2,177166E+22	1,905801E+22	1,717667E+22	1,717665E+22	1,905800E+22	2,177176E+22
1765	2,410019E+22	2,541914E+22	2,586589E+22	2,586607E+22	2,541937E+22	2,410030E+22	2,177208E+22	1,905849E+22	1,717702E+22	1,717674E+22	1,905783E+22	2,177159E+22
1766	2,410039E+22	2,541998E+22	2,586711E+22	2,586707E+22	2,542002E+22	2,410040E+22	2,177178E+22	1,905828E+22	1,717722E+22	1,717735E+22	1,905860E+22	2,177212E+22
1767	2,410047E+22	2,541970E+22	2,586649E+22	2,586593E+22	2,541875E+22	2,409972E+22	2,177164E+22	1,905837E+22	1,717733E+22	1,717737E+22	1,905846E+22	2,177174E+22
1768	2,409979E+22	2,541902E+22	2,586651E+22	2,586688E+22	2,541988E+22	2,410062E+22	2,177228E+22	1,905878E+22	1,717764E+22	1,717758E+22	1,905860E+22	2,177204E+22
1769	2,410049E+22	2,541990E+22	2,586714E+22	2,586724E+22	2,541997E+22	2,410020E+22	2,177175E+22	1,905857E+22	1,717783E+22	1,717806E+22	1,905914E+22	2,177238E+22
1770	2,410046E+22	2,541941E+22	2,586596E+22	2,586567E+22	2,541901E+22	2,410015E+22	2,177213E+22	1,905906E+22	1,717821E+22	1,717818E+22	1,905888E+22	2,177185E+22
1771	2,409990E+22	2,541926E+22	2,586671E+22	2,586689E+22	2,542004E+22	2,410102E+22	2,177283E+22	1,905955E+22	1,717858E+22	1,717844E+22	1,905916E+22	2,177231E+22
1772	2,410058E+22	2,541985E+22	2,586694E+22	2,586673E+22	2,541927E+22	2,409988E+22	2,177206E+22	1,905936E+22	1,717874E+22	1,717872E+22	1,905932E+22	2,177210E+22
1773	2,409997E+22	2,541902E+22	2,586601E+22	2,586609E+22	2,541920E+22	2,410013E+22	2,177236E+22	1,905966E+22	1,717897E+22	1,717878E+22	1,905924E+22	2,177201E+22
1774	2,409996E+22	2,541934E+22	2,586688E+22	2,586716E+22	2,542019E+22	2,410076E+22	2,177237E+22	1,905935E+22	1,717881E+22	1,717902E+22	1,905983E+22	2,177274E+22
1775	2,410056E+22	2,541947E+22	2,586633E+22	2,586599E+22	2,541880E+22	2,409988E+22	2,177213E+22	1,905925E+22	1,717852E+22	1,717858E+22	1,905936E+22	2,177225E+22
1776	2,410003E+22	2,541888E+22	2,586596E+22	2,586627E+22	2,541948E+22	2,410049E+22	2,177256E+22	1,905949E+22	1,717850E+22	1,717826E+22	1,905893E+22	2,177211E+22
1777	2,410055E+22	2,542007E+22	2,586721E+22	2,586705E+22	2,541981E+22	2,410019E+22	2,177186E+22	1,905887E+22	1,717817E+22	1,717827E+22	1,905914E+22	2,177230E+22
1778	2,410049E+22	2,541967E+22	2,586643E+22	2,586584E+22	2,541870E+22	2,409976E+22	2,177180E+22	1,905878E+22	1,717795E+22	1,717791E+22	1,905861E+22	2,177158E+22
1779	2,409961E+22	2,541896E+22	2,586664E+22	2,586704E+22	2,542003E+22	2,410077E+22	2,177242E+22	1,905895E+22	1,717781E+22	1,717769E+22	1,905860E+22	2,177195E+22
1780	2,410036E+22	2,541970E+22	2,586693E+22	2,586712E+22	2,541989E+22	2,410013E+22	2,177164E+22	1,905838E+22	1,717748E+22	1,717760E+22	1,905867E+22	2,177191E+22
1781	2,410000E+22	2,541899E+22	2,586578E+22	2,586579E+22	2,541922E+22	2,410027E+22	2,177204E+22	1,905866E+22	1,717750E+22	1,717737E+22	1,905836E+22	2,177174E+22
1782	2,409995E+22	2,541917E+22	2,586651E+22	2,586676E+22	2,542007E+22	2,410095E+22	2,177235E+22	1,905868E+22	1,717753E+22	1,717755E+22	1,905872E+22	2,177230E+22
1783	2,410072E+22	2,541980E+22	2,586657E+22	2,586607E+22	2,541873E+22	2,409973E+22	2,177184E+22	1,905862E+22	1,717754E+22	1,717750E+22	1,905848E+22	2,177178E+22
1784	2,409999E+22	2,541901E+22	2,586595E+22	2,586608E+22	2,541915E+22	2,410003E+22	2,177208E+22	1,905900E+22	1,717792E+22	1,717768E+22	1,905843E+22	2,177167E+22
1785	2,410015E+22	2,541985E+22	2,586722E+22	2,586719E+22	2,541999E+22	2,410019E+22	2,177161E+22	1,905853E+22	1,717790E+22	1,717813E+22	1,905916E+22	2,177235E+22
1786	2,410042E+22	2,541955E+22	2,586647E+22	2,586601E+22	2,541881E+22	2,409975E+22	2,177166E+22	1,905864E+22	1,717802E+22	1,717823E+22	1,905905E+22	2,177196E+22
1787	2,409971E+22	2,541867E+22	2,586613E+22	2,586660E+22	2,541977E+22	2,410076E+22	2,177267E+22	1,905942E+22	1,717844E+22	1,717832E+22	1,905909E+22	2,177226E+22
1788	2,410056E+22	2,541983E+22	2,586690E+22	2,586697E+22	2,541983E+22	2,410027E+22	2,177211E+22	1,905926E+22	1,717867E+22	1,717873E+22	1,905941E+22	2,177229E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,410027E+22	2,541935E+22	2,586609E+22	2,586570E+22	2,541876E+22	2,409999E+22	2,177238E+22	1,905980E+22	1,717919E+22	1,717898E+22	1,905930E+22	2,177192E+22
1790	2,409974E+22	2,541899E+22	2,586652E+22	2,586680E+22	2,541983E+22	2,410075E+22	2,177280E+22	1,906006E+22	1,717954E+22	1,717948E+22	1,905985E+22	2,177248E+22
1791	2,410043E+22	2,541964E+22	2,586681E+22	2,586662E+22	2,541910E+22	2,409982E+22	2,177223E+22	1,905984E+22	1,717954E+22	1,717962E+22	1,905998E+22	2,177231E+22
1792	2,409976E+22	2,541861E+22	2,586569E+22	2,586594E+22	2,541913E+22	2,410018E+22	2,177256E+22	1,906012E+22	1,717968E+22	1,717955E+22	1,905984E+22	2,177228E+22
1793	2,409998E+22	2,541927E+22	2,586674E+22	2,586691E+22	2,541990E+22	2,410058E+22	2,177243E+22	1,905971E+22	1,717936E+22	1,717955E+22	1,906019E+22	2,177296E+22
1794	2,410074E+22	2,541962E+22	2,586641E+22	2,586594E+22	2,541861E+22	2,409972E+22	2,177214E+22	1,905959E+22	1,717920E+22	1,717927E+22	1,905970E+22	2,177227E+22
1795	2,409994E+22	2,541880E+22	2,586591E+22	2,586616E+22	2,541928E+22	2,410040E+22	2,177272E+22	1,905995E+22	1,717921E+22	1,717895E+22	1,905932E+22	2,177213E+22
1796	2,410040E+22	2,541995E+22	2,586715E+22	2,586711E+22	2,541985E+22	2,410019E+22	2,177198E+22	1,905926E+22	1,717880E+22	1,717888E+22	1,905948E+22	2,177223E+22
1797	2,410015E+22	2,541938E+22	2,586644E+22	2,586607E+22	2,541884E+22	2,409983E+22	2,177194E+22	1,905920E+22	1,717860E+22	1,717853E+22	1,905910E+22	2,177188E+22
1798	2,409958E+22	2,541855E+22	2,586611E+22	2,586672E+22	2,541990E+22	2,410079E+22	2,177256E+22	1,905933E+22	1,717847E+22	1,717843E+22	1,905918E+22	2,177228E+22
1799	2,410050E+22	2,541963E+22	2,586664E+22	2,586669E+22	2,541945E+22	2,410010E+22	2,177206E+22	1,905900E+22	1,717817E+22	1,717823E+22	1,905906E+22	2,177205E+22
1800	2,410000E+22	2,541892E+22	2,586563E+22	2,586553E+22	2,541882E+22	2,410004E+22	2,177220E+22	1,905926E+22	1,717834E+22	1,717810E+22	1,905873E+22	2,177173E+22
1801	2,409986E+22	2,541930E+22	2,586666E+22	2,586661E+22	2,541958E+22	2,410045E+22	2,177218E+22	1,905904E+22	1,717826E+22	1,717829E+22	1,905912E+22	2,177230E+22
1802	2,410060E+22	2,541983E+22	2,586681E+22	2,586631E+22	2,541866E+22	2,409946E+22	2,177163E+22	1,905885E+22	1,717831E+22	1,717844E+22	1,905907E+22	2,177184E+22
1803	2,409968E+22	2,541863E+22	2,586575E+22	2,586612E+22	2,541925E+22	2,410010E+22	2,177218E+22	1,905935E+22	1,717864E+22	1,717852E+22	1,905908E+22	2,177193E+22
1804	2,410006E+22	2,541954E+22	2,586690E+22	2,586713E+22	2,542013E+22	2,410046E+22	2,177195E+22	1,905901E+22	1,717855E+22	1,717877E+22	1,905957E+22	2,177247E+22
1805	2,410033E+22	2,541937E+22	2,586637E+22	2,586603E+22	2,541879E+22	2,409988E+22	2,177209E+22	1,905938E+22	1,717885E+22	1,717887E+22	1,905945E+22	2,177219E+22
1806	2,409978E+22	2,541851E+22	2,586577E+22	2,586624E+22	2,541948E+22	2,410067E+22	2,177294E+22	1,906014E+22	1,717947E+22	1,717928E+22	1,905962E+22	2,177236E+22
1807	2,410051E+22	2,541985E+22	2,586691E+22	2,586676E+22	2,541939E+22	2,410013E+22	2,177248E+22	1,906003E+22	1,717969E+22	1,717971E+22	1,905998E+22	2,177229E+22
1808	2,409993E+22	2,541902E+22	2,586599E+22	2,586572E+22	2,541858E+22	2,409977E+22	2,177248E+22	1,906041E+22	1,718020E+22	1,718004E+22	1,906003E+22	2,177208E+22
1809	2,409950E+22	2,541876E+22	2,586638E+22	2,586668E+22	2,541965E+22	2,410052E+22	2,177269E+22	1,906033E+22	1,718025E+22	1,718034E+22	1,906055E+22	2,177287E+22
1810	2,410050E+22	2,541953E+22	2,586665E+22	2,586651E+22	2,541901E+22	2,409976E+22	2,177221E+22	1,906008E+22	1,718018E+22	1,718043E+22	1,906060E+22	2,177265E+22
1811	2,409987E+22	2,541847E+22	2,586535E+22	2,586559E+22	2,541890E+22	2,410017E+22	2,177279E+22	1,906058E+22	1,718030E+22	1,718015E+22	1,906026E+22	2,177254E+22
1812	2,410018E+22	2,541940E+22	2,586668E+22	2,586677E+22	2,541972E+22	2,410050E+22	2,177260E+22	1,906017E+22	1,717997E+22	1,718001E+22	1,906032E+22	2,177284E+22
1813	2,410061E+22	2,541970E+22	2,586670E+22	2,586619E+22	2,541851E+22	2,409956E+22	2,177225E+22	1,906008E+22	1,717987E+22	1,717981E+22	1,905996E+22	2,177226E+22
1814	2,409973E+22	2,541857E+22	2,586579E+22	2,586621E+22	2,541926E+22	2,410029E+22	2,177275E+22	1,906035E+22	1,717993E+22	1,717973E+22	1,905982E+22	2,177217E+22
1815	2,410014E+22	2,541970E+22	2,586703E+22	2,586705E+22	2,541978E+22	2,410033E+22	2,177230E+22	1,905970E+22	1,717942E+22	1,717955E+22	1,905994E+22	2,177229E+22
1816	2,409983E+22	2,541890E+22	2,586604E+22	2,586587E+22	2,541875E+22	2,409992E+22	2,177228E+22	1,905974E+22	1,717931E+22	1,717924E+22	1,905958E+22	2,177202E+22
1817	2,409953E+22	2,541845E+22	2,586581E+22	2,586631E+22	2,541951E+22	2,410059E+22	2,177267E+22	1,905977E+22	1,717912E+22	1,717905E+22	1,905958E+22	2,177246E+22
1818	2,410060E+22	2,541972E+22	2,586659E+22	2,586648E+22	2,541910E+22	2,409981E+22	2,177200E+22	1,905940E+22	1,717899E+22	1,717906E+22	1,905953E+22	2,177212E+22
1819	2,409989E+22	2,541883E+22	2,586553E+22	2,586536E+22	2,541852E+22	2,409978E+22	2,177225E+22	1,905971E+22	1,717912E+22	1,717894E+22	1,905930E+22	2,177189E+22
1820	2,409977E+22	2,541920E+22	2,586667E+22	2,586676E+22	2,541957E+22	2,410026E+22	2,177214E+22	1,905937E+22	1,717893E+22	1,717901E+22	1,905960E+22	2,177239E+22
1821	2,410037E+22	2,541962E+22	2,586685E+22	2,586660E+22	2,541886E+22	2,409952E+22	2,177173E+22	1,905921E+22	1,717893E+22	1,717911E+22	1,905966E+22	2,177222E+22
1822	2,409970E+22	2,541834E+22	2,586534E+22	2,586589E+22	2,541920E+22	2,410023E+22	2,177246E+22	1,905982E+22	1,717935E+22	1,717930E+22	1,905966E+22	2,177221E+22
1823	2,410016E+22	2,541954E+22	2,586671E+22	2,586678E+22	2,541978E+22	2,410056E+22	2,177252E+22	1,905977E+22	1,717938E+22	1,717948E+22	1,905994E+22	2,177249E+22
1824	2,410019E+22	2,541925E+22	2,586625E+22	2,586587E+22	2,541854E+22	2,409977E+22	2,177242E+22	1,906019E+22	1,717992E+22	1,717979E+22	1,905988E+22	2,177210E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409957E+22	2,541852E+22	2,586578E+22	2,586608E+22	2,541910E+22	2,410030E+22	2,177292E+22	1,906067E+22	1,718041E+22	1,718024E+22	1,906020E+22	2,177242E+22
1826	2,410027E+22	2,541967E+22	2,586692E+22	2,586686E+22	2,541932E+22	2,409989E+22	2,177236E+22	1,906042E+22	1,718063E+22	1,718079E+22	1,906073E+22	2,177250E+22
1827	2,409966E+22	2,541859E+22	2,586565E+22	2,586557E+22	2,541855E+22	2,409979E+22	2,177262E+22	1,906082E+22	1,718094E+22	1,718092E+22	1,906078E+22	2,177251E+22
1828	2,409957E+22	2,541852E+22	2,586606E+22	2,586649E+22	2,541954E+22	2,410053E+22	2,177292E+22	1,906077E+22	1,718085E+22	1,718094E+22	1,906098E+22	2,177310E+22
1829	2,410059E+22	2,541956E+22	2,586665E+22	2,586650E+22	2,541892E+22	2,409975E+22	2,177247E+22	1,906062E+22	1,718082E+22	1,718094E+22	1,906096E+22	2,177292E+22
1830	2,410003E+22	2,541855E+22	2,586523E+22	2,586533E+22	2,541862E+22	2,410000E+22	2,177291E+22	1,906107E+22	1,718106E+22	1,718087E+22	1,906064E+22	2,177256E+22
1831	2,410012E+22	2,541951E+22	2,586684E+22	2,586670E+22	2,541940E+22	2,410039E+22	2,177290E+22	1,906074E+22	1,718072E+22	1,718070E+22	1,906066E+22	2,177270E+22
1832	2,410020E+22	2,541938E+22	2,586668E+22	2,586641E+22	2,541861E+22	2,409947E+22	2,177234E+22	1,906056E+22	1,718065E+22	1,718058E+22	1,906042E+22	2,177222E+22
1833	2,409940E+22	2,541829E+22	2,586554E+22	2,586605E+22	2,541918E+22	2,410018E+22	2,177272E+22	1,906059E+22	1,718050E+22	1,718041E+22	1,906035E+22	2,177240E+22
1834	2,410003E+22	2,541943E+22	2,586674E+22	2,586685E+22	2,541968E+22	2,410030E+22	2,177240E+22	1,906004E+22	1,718005E+22	1,718025E+22	1,906045E+22	2,177252E+22
1835	2,409980E+22	2,541868E+22	2,586563E+22	2,586543E+22	2,541842E+22	2,409982E+22	2,177251E+22	1,906025E+22	1,717997E+22	1,717987E+22	1,906002E+22	2,177225E+22
1836	2,409963E+22	2,541848E+22	2,586572E+22	2,586610E+22	2,541916E+22	2,410028E+22	2,177272E+22	1,906022E+22	1,717980E+22	1,717964E+22	1,905985E+22	2,177243E+22
1837	2,410048E+22	2,541978E+22	2,586683E+22	2,586667E+22	2,541900E+22	2,409956E+22	2,177199E+22	1,905979E+22	1,717965E+22	1,717972E+22	1,906000E+22	2,177229E+22
1838	2,409975E+22	2,541863E+22	2,586540E+22	2,586537E+22	2,541852E+22	2,409966E+22	2,177221E+22	1,906002E+22	1,717982E+22	1,717976E+22	1,905991E+22	2,177209E+22
1839	2,409965E+22	2,541904E+22	2,586658E+22	2,586670E+22	2,541955E+22	2,410044E+22	2,177252E+22	1,905984E+22	1,717956E+22	1,717969E+22	1,906008E+22	2,177255E+22
1840	2,410018E+22	2,541927E+22	2,586658E+22	2,586655E+22	2,541891E+22	2,409967E+22	2,177216E+22	1,905989E+22	1,717974E+22	1,717984E+22	1,906009E+22	2,177230E+22
1841	2,409966E+22	2,541833E+22	2,586513E+22	2,586554E+22	2,541890E+22	2,410011E+22	2,177271E+22	1,906046E+22	1,718021E+22	1,718007E+22	1,906011E+22	2,177232E+22
1842	2,410011E+22	2,541955E+22	2,586671E+22	2,586662E+22	2,541952E+22	2,410036E+22	2,177264E+22	1,906041E+22	1,718043E+22	1,718049E+22	1,906048E+22	2,177251E+22
1843	2,409993E+22	2,541902E+22	2,586608E+22	2,586568E+22	2,541827E+22	2,409956E+22	2,177260E+22	1,906085E+22	1,718095E+22	1,718085E+22	1,906062E+22	2,177233E+22
1844	2,409941E+22	2,541826E+22	2,586565E+22	2,586610E+22	2,541903E+22	2,410007E+22	2,177291E+22	1,906113E+22	1,718126E+22	1,718114E+22	1,906086E+22	2,177267E+22
1845	2,410014E+22	2,541942E+22	2,586681E+22	2,586692E+22	2,541936E+22	2,409987E+22	2,177244E+22	1,906079E+22	1,718128E+22	1,718155E+22	1,906144E+22	2,177304E+22
1846	2,409981E+22	2,541840E+22	2,586527E+22	2,586521E+22	2,541834E+22	2,409976E+22	2,177282E+22	1,906126E+22	1,718161E+22	1,718164E+22	1,906135E+22	2,177288E+22
1847	2,409981E+22	2,541871E+22	2,586607E+22	2,586620E+22	2,541914E+22	2,410044E+22	2,177328E+22	1,906136E+22	1,718153E+22	1,718149E+22	1,906124E+22	2,177308E+22
1848	2,410048E+22	2,541955E+22	2,586673E+22	2,586651E+22	2,541876E+22	2,409957E+22	2,177264E+22	1,906123E+22	1,718166E+22	1,718164E+22	1,906119E+22	2,177268E+22
1849	2,409976E+22	2,541860E+22	2,586538E+22	2,586535E+22	2,541845E+22	2,409973E+22	2,177285E+22	1,906144E+22	1,718177E+22	1,718160E+22	1,906103E+22	2,177248E+22
1850	2,409974E+22	2,541924E+22	2,586686E+22	2,586687E+22	2,541952E+22	2,410030E+22	2,177283E+22	1,906106E+22	1,718146E+22	1,718151E+22	1,906117E+22	2,177273E+22
1851	2,409980E+22	2,541882E+22	2,586624E+22	2,586621E+22	2,541867E+22	2,409963E+22	2,177261E+22	1,906100E+22	1,718129E+22	1,718129E+22	1,906100E+22	2,177252E+22
1852	2,409934E+22	2,541791E+22	2,586512E+22	2,586578E+22	2,541904E+22	2,410016E+22	2,177296E+22	1,906105E+22	1,718106E+22	1,718092E+22	1,906071E+22	2,177260E+22
1853	2,410006E+22	2,541931E+22	2,586656E+22	2,586664E+22	2,541950E+22	2,410021E+22	2,177259E+22	1,906054E+22	1,718066E+22	1,718080E+22	1,906088E+22	2,177283E+22
1854	2,409992E+22	2,541867E+22	2,586546E+22	2,586506E+22	2,541803E+22	2,409957E+22	2,177258E+22	1,906070E+22	1,718071E+22	1,718063E+22	1,906052E+22	2,177242E+22
1855	2,409965E+22	2,541861E+22	2,586591E+22	2,586599E+22	2,541878E+22	2,410003E+22	2,177286E+22	1,906068E+22	1,718050E+22	1,718036E+22	1,906030E+22	2,177247E+22
1856	2,410021E+22	2,541955E+22	2,586686E+22	2,586687E+22	2,541912E+22	2,409946E+22	2,177202E+22	1,906021E+22	1,718040E+22	1,718051E+22	1,906050E+22	2,177239E+22
1857	2,409964E+22	2,541854E+22	2,586528E+22	2,586524E+22	2,541850E+22	2,409963E+22	2,177224E+22	1,906030E+22	1,718040E+22	1,718045E+22	1,906044E+22	2,177236E+22
1858	2,409965E+22	2,541890E+22	2,586642E+22	2,586656E+22	2,541949E+22	2,410045E+22	2,177273E+22	1,906036E+22	1,718033E+22	1,718039E+22	1,906050E+22	2,177268E+22
1859	2,410012E+22	2,541911E+22	2,586632E+22	2,586622E+22	2,541870E+22	2,409965E+22	2,177253E+22	1,906062E+22	1,718064E+22	1,718061E+22	1,906053E+22	2,177242E+22
1860	2,409960E+22	2,541824E+22	2,586512E+22	2,586540E+22	2,541858E+22	2,409984E+22	2,177286E+22	1,906112E+22	1,718114E+22	1,718090E+22	1,906051E+22	2,177228E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409982E+22	2,541936E+22	2,586682E+22	2,586678E+22	2,541948E+22	2,410019E+22	2,177272E+22	1,906095E+22	1,718130E+22	1,718141E+22	1,906119E+22	2,177276E+22
1862	2,409972E+22	2,541868E+22	2,586584E+22	2,586554E+22	2,541819E+22	2,409944E+22	2,177262E+22	1,906128E+22	1,718181E+22	1,718187E+22	1,906141E+22	2,177268E+22
1863	2,409936E+22	2,541807E+22	2,586547E+22	2,586583E+22	2,541881E+22	2,410011E+22	2,177322E+22	1,906163E+22	1,718199E+22	1,718193E+22	1,906145E+22	2,177295E+22
1864	2,410010E+22	2,541918E+22	2,586658E+22	2,586679E+22	2,541931E+22	2,409989E+22	2,177274E+22	1,906142E+22	1,718209E+22	1,718227E+22	1,906185E+22	2,177316E+22
1865	2,409993E+22	2,541855E+22	2,586520E+22	2,586492E+22	2,541802E+22	2,409954E+22	2,177289E+22	1,906174E+22	1,718235E+22	1,718233E+22	1,906172E+22	2,177297E+22
1866	2,409980E+22	2,541880E+22	2,586622E+22	2,586620E+22	2,541896E+22	2,410022E+22	2,177332E+22	1,906189E+22	1,718240E+22	1,718228E+22	1,906162E+22	2,177301E+22
1867	2,410017E+22	2,541932E+22	2,586669E+22	2,586651E+22	2,541872E+22	2,409948E+22	2,177279E+22	1,906176E+22	1,718246E+22	1,718246E+22	1,906173E+22	2,177277E+22
1868	2,409946E+22	2,541819E+22	2,586527E+22	2,586545E+22	2,541852E+22	2,409966E+22	2,177288E+22	1,906179E+22	1,718243E+22	1,718230E+22	1,906152E+22	2,177261E+22
1869	2,409950E+22	2,541881E+22	2,586659E+22	2,586683E+22	2,541965E+22	2,410047E+22	2,177303E+22	1,906139E+22	1,718195E+22	1,718212E+22	1,906176E+22	2,177315E+22
1870	2,409985E+22	2,541853E+22	2,586573E+22	2,586567E+22	2,541837E+22	2,409962E+22	2,177286E+22	1,906149E+22	1,718192E+22	1,718193E+22	1,906149E+22	2,177285E+22
1871	2,409957E+22	2,541804E+22	2,586504E+22	2,586529E+22	2,541850E+22	2,409999E+22	2,177324E+22	1,906163E+22	1,718175E+22	1,718148E+22	1,906097E+22	2,177264E+22
1872	2,410003E+22	2,541932E+22	2,586663E+22	2,586657E+22	2,541923E+22	2,409991E+22	2,177264E+22	1,906107E+22	1,718146E+22	1,718150E+22	1,906116E+22	2,177273E+22
1873	2,409982E+22	2,541878E+22	2,586563E+22	2,586507E+22	2,541782E+22	2,409921E+22	2,177239E+22	1,906095E+22	1,718134E+22	1,718134E+22	1,906099E+22	2,177250E+22
1874	2,409946E+22	2,541847E+22	2,586603E+22	2,586620E+22	2,541891E+22	2,409992E+22	2,177273E+22	1,906095E+22	1,718117E+22	1,718109E+22	1,906079E+22	2,177258E+22
1875	2,409996E+22	2,541915E+22	2,586657E+22	2,586674E+22	2,541923E+22	2,409968E+22	2,177233E+22	1,906068E+22	1,718104E+22	1,718118E+22	1,906101E+22	2,177264E+22
1876	2,409960E+22	2,541827E+22	2,586509E+22	2,586514E+22	2,541844E+22	2,409967E+22	2,177254E+22	1,906089E+22	1,718111E+22	1,718105E+22	1,906077E+22	2,177246E+22
1877	2,409959E+22	2,541876E+22	2,586632E+22	2,586645E+22	2,541940E+22	2,410046E+22	2,177301E+22	1,906101E+22	1,718114E+22	1,718113E+22	1,906099E+22	2,177284E+22
1878	2,410002E+22	2,541894E+22	2,586611E+22	2,586588E+22	2,541835E+22	2,409949E+22	2,177274E+22	1,906132E+22	1,718166E+22	1,718162E+22	1,906116E+22	2,177258E+22
1879	2,409948E+22	2,541817E+22	2,586518E+22	2,586525E+22	2,541823E+22	2,409962E+22	2,177303E+22	1,906173E+22	1,718208E+22	1,718186E+22	1,906115E+22	2,177243E+22
1880	2,409955E+22	2,541895E+22	2,586662E+22	2,586678E+22	2,541949E+22	2,410008E+22	2,177276E+22	1,906146E+22	1,718222E+22	1,718239E+22	1,906185E+22	2,177301E+22
1881	2,409974E+22	2,541855E+22	2,586558E+22	2,586526E+22	2,541800E+22	2,409934E+22	2,177265E+22	1,906160E+22	1,718247E+22	1,718267E+22	1,906207E+22	2,177310E+22
1882	2,409954E+22	2,541808E+22	2,586539E+22	2,586565E+22	2,541860E+22	2,409994E+22	2,177329E+22	1,906212E+22	1,718276E+22	1,718263E+22	1,906188E+22	2,177313E+22
1883	2,410014E+22	2,541916E+22	2,586647E+22	2,586652E+22	2,541908E+22	2,409981E+22	2,177298E+22	1,906205E+22	1,718293E+22	1,718298E+22	1,906221E+22	2,177321E+22
1884	2,409986E+22	2,541852E+22	2,586539E+22	2,586503E+22	2,541786E+22	2,409931E+22	2,177295E+22	1,906224E+22	1,718313E+22	1,718301E+22	1,906200E+22	2,177283E+22
1885	2,409947E+22	2,541857E+22	2,586632E+22	2,586647E+22	2,541911E+22	2,410019E+22	2,177339E+22	1,906231E+22	1,718307E+22	1,718302E+22	1,906215E+22	2,177311E+22
1886	2,409984E+22	2,541886E+22	2,586636E+22	2,586637E+22	2,541876E+22	2,409960E+22	2,177297E+22	1,906220E+22	1,718319E+22	1,718327E+22	1,906235E+22	2,177302E+22
1887	2,409935E+22	2,541790E+22	2,586499E+22	2,586509E+22	2,541828E+22	2,409981E+22	2,177328E+22	1,906232E+22	1,718307E+22	1,718293E+22	1,906197E+22	2,177282E+22
1888	2,409943E+22	2,541848E+22	2,586622E+22	2,586653E+22	2,541947E+22	2,410047E+22	2,177334E+22	1,906202E+22	1,718273E+22	1,718276E+22	1,906208E+22	2,177325E+22
1889	2,410002E+22	2,541867E+22	2,586559E+22	2,586525E+22	2,541790E+22	2,409931E+22	2,177285E+22	1,906188E+22	1,718262E+22	1,718261E+22	1,906189E+22	2,177299E+22
1890	2,409965E+22	2,541819E+22	2,586521E+22	2,586525E+22	2,541817E+22	2,409956E+22	2,177308E+22	1,906203E+22	1,718253E+22	1,718222E+22	1,906139E+22	2,177266E+22
1891	2,409986E+22	2,541919E+22	2,586667E+22	2,586663E+22	2,541915E+22	2,409971E+22	2,177261E+22	1,906146E+22	1,718217E+22	1,718226E+22	1,906169E+22	2,177289E+22
1892	2,409964E+22	2,541849E+22	2,586566E+22	2,586529E+22	2,541791E+22	2,409912E+22	2,177231E+22	1,906117E+22	1,718187E+22	1,718194E+22	1,906142E+22	2,177266E+22
1893	2,409934E+22	2,541817E+22	2,586588E+22	2,586627E+22	2,541912E+22	2,410017E+22	2,177297E+22	1,906127E+22	1,718161E+22	1,718164E+22	1,906130E+22	2,177287E+22
1894	2,409998E+22	2,541893E+22	2,586622E+22	2,586636E+22	2,541903E+22	2,409978E+22	2,177268E+22	1,906127E+22	1,718177E+22	1,718184E+22	1,906142E+22	2,177280E+22
1895	2,409965E+22	2,541829E+22	2,586503E+22	2,586475E+22	2,541799E+22	2,409960E+22	2,177290E+22	1,906160E+22	1,718202E+22	1,718180E+22	1,906110E+22	2,177239E+22
1896	2,409936E+22	2,541853E+22	2,586624E+22	2,586638E+22	2,541922E+22	2,410031E+22	2,177318E+22	1,906171E+22	1,718219E+22	1,718209E+22	1,906141E+22	2,177275E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409983E+22	2,541881E+22	2,586603E+22	2,586575E+22	2,541811E+22	2,409918E+22	2,177262E+22	1,906171E+22	1,718255E+22	1,718262E+22	1,906188E+22	2,177282E+22
1898	2,409933E+22	2,541792E+22	2,586508E+22	2,586526E+22	2,541818E+22	2,409944E+22	2,177296E+22	1,906215E+22	1,718294E+22	1,718277E+22	1,906183E+22	2,177275E+22
1899	2,409948E+22	2,541862E+22	2,586628E+22	2,586652E+22	2,541936E+22	2,410013E+22	2,177304E+22	1,906200E+22	1,718298E+22	1,718318E+22	1,906247E+22	2,177339E+22
1900	2,409984E+22	2,541841E+22	2,586549E+22	2,586518E+22	2,541780E+22	2,409922E+22	2,177282E+22	1,906212E+22	1,718319E+22	1,718330E+22	1,906243E+22	2,177323E+22
1901	2,409960E+22	2,541813E+22	2,586545E+22	2,586565E+22	2,541855E+22	2,409996E+22	2,177349E+22	1,906263E+22	1,718347E+22	1,718334E+22	1,906234E+22	2,177321E+22
1902	2,410004E+22	2,541910E+22	2,586643E+22	2,586635E+22	2,541884E+22	2,409974E+22	2,177320E+22	1,906267E+22	1,718384E+22	1,718387E+22	1,906273E+22	2,177326E+22
1903	2,409966E+22	2,541840E+22	2,586547E+22	2,586502E+22	2,541772E+22	2,409929E+22	2,177316E+22	1,906281E+22	1,718399E+22	1,718385E+22	1,906251E+22	2,177287E+22
1904	2,409913E+22	2,541806E+22	2,586603E+22	2,586650E+22	2,541925E+22	2,410030E+22	2,177358E+22	1,906282E+22	1,718391E+22	1,718385E+22	1,906265E+22	2,177325E+22
1905	2,409981E+22	2,541863E+22	2,586595E+22	2,586599E+22	2,541851E+22	2,409955E+22	2,177310E+22	1,906257E+22	1,718381E+22	1,718398E+22	1,906292E+22	2,177338E+22
1906	2,409950E+22	2,541788E+22	2,586484E+22	2,586481E+22	2,541790E+22	2,409953E+22	2,177335E+22	1,906284E+22	1,718379E+22	1,718354E+22	1,906235E+22	2,177298E+22
1907	2,409950E+22	2,541848E+22	2,586608E+22	2,586618E+22	2,541902E+22	2,410022E+22	2,177345E+22	1,906254E+22	1,718348E+22	1,718345E+22	1,906246E+22	2,177332E+22
1908	2,409996E+22	2,541867E+22	2,586583E+22	2,586542E+22	2,541767E+22	2,409895E+22	2,177270E+22	1,906216E+22	1,718323E+22	1,718323E+22	1,906222E+22	2,177295E+22
1909	2,409945E+22	2,541809E+22	2,586538E+22	2,586558E+22	2,541836E+22	2,409950E+22	2,177296E+22	1,906215E+22	1,718298E+22	1,718286E+22	1,906192E+22	2,177279E+22
1910	2,409962E+22	2,541883E+22	2,586640E+22	2,586654E+22	2,541922E+22	2,409989E+22	2,177277E+22	1,906178E+22	1,718275E+22	1,718292E+22	1,906220E+22	2,177312E+22
1911	2,409960E+22	2,541829E+22	2,586547E+22	2,586511E+22	2,541784E+22	2,409937E+22	2,177273E+22	1,906168E+22	1,718247E+22	1,718248E+22	1,906173E+22	2,177274E+22
1912	2,409923E+22	2,541785E+22	2,586552E+22	2,586606E+22	2,541904E+22	2,410028E+22	2,177337E+22	1,906199E+22	1,718247E+22	1,718231E+22	1,906153E+22	2,177282E+22
1913	2,409998E+22	2,541894E+22	2,586602E+22	2,586596E+22	2,541860E+22	2,409960E+22	2,177285E+22	1,906185E+22	1,718265E+22	1,718269E+22	1,906192E+22	2,177289E+22
1914	2,409957E+22	2,541827E+22	2,586510E+22	2,586470E+22	2,541760E+22	2,409919E+22	2,177289E+22	1,906221E+22	1,718301E+22	1,718276E+22	1,906169E+22	2,177248E+22
1915	2,409912E+22	2,541824E+22	2,586604E+22	2,586626E+22	2,541902E+22	2,410010E+22	2,177322E+22	1,906224E+22	1,718313E+22	1,718311E+22	1,906217E+22	2,177306E+22
1916	2,409969E+22	2,541848E+22	2,586591E+22	2,586580E+22	2,541805E+22	2,409904E+22	2,177255E+22	1,906199E+22	1,718323E+22	1,718344E+22	1,906253E+22	2,177317E+22
1917	2,409941E+22	2,541777E+22	2,586490E+22	2,586519E+22	2,541819E+22	2,409952E+22	2,177311E+22	1,906246E+22	1,718347E+22	1,718346E+22	1,906247E+22	2,177313E+22
1918	2,409965E+22	2,541860E+22	2,586605E+22	2,586617E+22	2,541904E+22	2,410009E+22	2,177333E+22	1,906264E+22	1,718379E+22	1,718390E+22	1,906290E+22	2,177357E+22
1919	2,409995E+22	2,541859E+22	2,586564E+22	2,586504E+22	2,541748E+22	2,409914E+22	2,177309E+22	1,906279E+22	1,718407E+22	1,718403E+22	1,906271E+22	2,177309E+22
1920	2,409933E+22	2,541796E+22	2,586552E+22	2,586582E+22	2,541855E+22	2,409991E+22	2,177370E+22	1,906329E+22	1,718446E+22	1,718423E+22	1,906267E+22	2,177302E+22
1921	2,409974E+22	2,541891E+22	2,586635E+22	2,586634E+22	2,541877E+22	2,409965E+22	2,177324E+22	1,906308E+22	1,718466E+22	1,718480E+22	1,906337E+22	2,177341E+22
1922	2,409941E+22	2,541805E+22	2,586527E+22	2,586500E+22	2,541768E+22	2,409924E+22	2,177329E+22	1,906332E+22	1,718480E+22	1,718468E+22	1,906312E+22	2,177311E+22
1923	2,409900E+22	2,541765E+22	2,586552E+22	2,586613E+22	2,541906E+22	2,410037E+22	2,177392E+22	1,906341E+22	1,718467E+22	1,718461E+22	1,906322E+22	2,177355E+22
1924	2,409984E+22	2,541845E+22	2,586576E+22	2,586579E+22	2,541817E+22	2,409930E+22	2,177316E+22	1,906301E+22	1,718448E+22	1,718459E+22	1,906330E+22	2,177353E+22
1925	2,409959E+22	2,541795E+22	2,586485E+22	2,586474E+22	2,541771E+22	2,409937E+22	2,177337E+22	1,906313E+22	1,718435E+22	1,718421E+22	1,906284E+22	2,177312E+22
1926	2,409946E+22	2,541849E+22	2,586609E+22	2,586606E+22	2,541870E+22	2,409997E+22	2,177346E+22	1,906292E+22	1,718415E+22	1,718417E+22	1,906295E+22	2,177344E+22
1927	2,409984E+22	2,541861E+22	2,586590E+22	2,586549E+22	2,541762E+22	2,409889E+22	2,177273E+22	1,906246E+22	1,718380E+22	1,718385E+22	1,906262E+22	2,177300E+22
1928	2,409921E+22	2,541773E+22	2,586515E+22	2,586567E+22	2,541859E+22	2,409974E+22	2,177317E+22	1,906251E+22	1,718356E+22	1,718345E+22	1,906223E+22	2,177287E+22
1929	2,409964E+22	2,541870E+22	2,586607E+22	2,586620E+22	2,541903E+22	2,409996E+22	2,177301E+22	1,906216E+22	1,718330E+22	1,718349E+22	1,906260E+22	2,177331E+22
1930	2,409967E+22	2,541828E+22	2,586534E+22	2,586490E+22	2,541750E+22	2,409916E+22	2,177295E+22	1,906236E+22	1,718329E+22	1,718311E+22	1,906203E+22	2,177275E+22
1931	2,409914E+22	2,541775E+22	2,586531E+22	2,586576E+22	2,541866E+22	2,410008E+22	2,177359E+22	1,906267E+22	1,718343E+22	1,718317E+22	1,906198E+22	2,177280E+22
1932	2,409969E+22	2,541872E+22	2,586610E+22	2,586607E+22	2,541834E+22	2,409923E+22	2,177277E+22	1,906227E+22	1,718348E+22	1,718357E+22	1,906245E+22	2,177293E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409932E+22	2,541803E+22	2,586508E+22	2,586488E+22	2,541769E+22	2,409911E+22	2,177284E+22	1,906245E+22	1,718366E+22	1,718365E+22	1,906247E+22	2,177278E+22
1934	2,409897E+22	2,541793E+22	2,586572E+22	2,586601E+22	2,541885E+22	2,410013E+22	2,177342E+22	1,906268E+22	1,718388E+22	1,718397E+22	1,906288E+22	2,177346E+22
1935	2,409980E+22	2,541841E+22	2,586572E+22	2,586557E+22	2,541789E+22	2,409915E+22	2,177288E+22	1,906256E+22	1,718397E+22	1,718414E+22	1,906297E+22	2,177336E+22
1936	2,409945E+22	2,541770E+22	2,586476E+22	2,586510E+22	2,541814E+22	2,409959E+22	2,177344E+22	1,906315E+22	1,718438E+22	1,718421E+22	1,906274E+22	2,177312E+22
1937	2,409971E+22	2,541872E+22	2,586602E+22	2,586595E+22	2,541870E+22	2,409993E+22	2,177351E+22	1,906322E+22	1,718471E+22	1,718480E+22	1,906341E+22	2,177363E+22
1938	2,409982E+22	2,541857E+22	2,586582E+22	2,586522E+22	2,541730E+22	2,409883E+22	2,177320E+22	1,906348E+22	1,718508E+22	1,718496E+22	1,906326E+22	2,177312E+22
1939	2,409898E+22	2,541757E+22	2,586526E+22	2,586577E+22	2,541853E+22	2,409987E+22	2,177386E+22	1,906387E+22	1,718541E+22	1,718523E+22	1,906340E+22	2,177323E+22
1940	2,409942E+22	2,541843E+22	2,586613E+22	2,586634E+22	2,541875E+22	2,409964E+22	2,177333E+22	1,906342E+22	1,718532E+22	1,718558E+22	1,906400E+22	2,177373E+22
1941	2,409944E+22	2,541785E+22	2,586498E+22	2,586481E+22	2,541759E+22	2,409927E+22	2,177345E+22	1,906361E+22	1,718530E+22	1,718534E+22	1,906372E+22	2,177345E+22
1942	2,409912E+22	2,541761E+22	2,586519E+22	2,586559E+22	2,541853E+22	2,410016E+22	2,177413E+22	1,906398E+22	1,718541E+22	1,718527E+22	1,906363E+22	2,177375E+22
1943	2,409998E+22	2,541863E+22	2,586582E+22	2,586558E+22	2,541784E+22	2,409910E+22	2,177323E+22	1,906345E+22	1,718517E+22	1,718520E+22	1,906356E+22	2,177345E+22
1944	2,409941E+22	2,541788E+22	2,586494E+22	2,586491E+22	2,541772E+22	2,409922E+22	2,177337E+22	1,906349E+22	1,718502E+22	1,718484E+22	1,906309E+22	2,177303E+22
1945	2,409929E+22	2,541838E+22	2,586604E+22	2,586607E+22	2,541866E+22	2,409987E+22	2,177343E+22	1,906314E+22	1,718469E+22	1,718482E+22	1,906345E+22	2,177361E+22
1946	2,409969E+22	2,541839E+22	2,586583E+22	2,586558E+22	2,541764E+22	2,409887E+22	2,177291E+22	1,906289E+22	1,718438E+22	1,718439E+22	1,906299E+22	2,177312E+22
1947	2,409906E+22	2,541741E+22	2,586474E+22	2,586539E+22	2,541847E+22	2,409985E+22	2,177358E+22	1,906313E+22	1,718428E+22	1,718409E+22	1,906262E+22	2,177294E+22
1948	2,409945E+22	2,541850E+22	2,586594E+22	2,586606E+22	2,541877E+22	2,409981E+22	2,177319E+22	1,906268E+22	1,718402E+22	1,718413E+22	1,906292E+22	2,177331E+22
1949	2,409958E+22	2,541826E+22	2,586531E+22	2,586480E+22	2,541733E+22	2,409902E+22	2,177305E+22	1,906277E+22	1,718402E+22	1,718396E+22	1,906263E+22	2,177284E+22
1950	2,409894E+22	2,541759E+22	2,586517E+22	2,586553E+22	2,541828E+22	2,409979E+22	2,177369E+22	1,906324E+22	1,718435E+22	1,718414E+22	1,906269E+22	2,177306E+22
1951	2,409957E+22	2,541854E+22	2,586597E+22	2,586602E+22	2,541828E+22	2,409913E+22	2,177278E+22	1,906267E+22	1,718426E+22	1,718443E+22	1,906311E+22	2,177321E+22
1952	2,409920E+22	2,541772E+22	2,586482E+22	2,586485E+22	2,541780E+22	2,409924E+22	2,177303E+22	1,906286E+22	1,718436E+22	1,718441E+22	1,906298E+22	2,177308E+22
1953	2,409919E+22	2,541795E+22	2,586550E+22	2,586567E+22	2,541853E+22	2,410003E+22	2,177362E+22	1,906314E+22	1,718455E+22	1,718468E+22	1,906342E+22	2,177377E+22
1954	2,409998E+22	2,541857E+22	2,586579E+22	2,586548E+22	2,541758E+22	2,409888E+22	2,177310E+22	1,906327E+22	1,718486E+22	1,718485E+22	1,906332E+22	2,177336E+22
1955	2,409934E+22	2,541770E+22	2,586476E+22	2,586502E+22	2,541795E+22	2,409948E+22	2,177369E+22	1,906386E+22	1,718540E+22	1,718515E+22	1,906322E+22	2,177304E+22
1956	2,409930E+22	2,541848E+22	2,586617E+22	2,586618E+22	2,541863E+22	2,409970E+22	2,177351E+22	1,906368E+22	1,718556E+22	1,718568E+22	1,906394E+22	2,177363E+22
1957	2,409947E+22	2,541822E+22	2,586568E+22	2,586536E+22	2,541753E+22	2,409892E+22	2,177331E+22	1,906381E+22	1,718578E+22	1,718589E+22	1,906402E+22	2,177338E+22
1958	2,409876E+22	2,541714E+22	2,586479E+22	2,586539E+22	2,541835E+22	2,409995E+22	2,177419E+22	1,906444E+22	1,718618E+22	1,718606E+22	1,906407E+22	2,177363E+22
1959	2,409946E+22	2,541821E+22	2,586573E+22	2,586592E+22	2,541850E+22	2,409964E+22	2,177362E+22	1,906400E+22	1,718605E+22	1,718622E+22	1,906441E+22	2,177392E+22
1960	2,409947E+22	2,541778E+22	2,586478E+22	2,586456E+22	2,541740E+22	2,409921E+22	2,177369E+22	1,906419E+22	1,718608E+22	1,718599E+22	1,906399E+22	2,177352E+22
1961	2,409926E+22	2,541779E+22	2,586523E+22	2,586530E+22	2,541804E+22	2,409977E+22	2,177412E+22	1,906437E+22	1,718612E+22	1,718602E+22	1,906411E+22	2,177386E+22
1962	2,409992E+22	2,541871E+22	2,586606E+22	2,586576E+22	2,541764E+22	2,409868E+22	2,177317E+22	1,906391E+22	1,718589E+22	1,718589E+22	1,906397E+22	2,177349E+22
1963	2,409915E+22	2,541763E+22	2,586482E+22	2,586497E+22	2,541783E+22	2,409922E+22	2,177342E+22	1,906384E+22	1,718568E+22	1,718556E+22	1,906360E+22	2,177316E+22
1964	2,409899E+22	2,541801E+22	2,586591E+22	2,586611E+22	2,541870E+22	2,409990E+22	2,177353E+22	1,906338E+22	1,718512E+22	1,718533E+22	1,906382E+22	2,177378E+22
1965	2,409967E+22	2,541823E+22	2,586562E+22	2,586546E+22	2,541767E+22	2,409897E+22	2,177317E+22	1,906324E+22	1,718484E+22	1,718494E+22	1,906340E+22	2,177325E+22
1966	2,409902E+22	2,541732E+22	2,586449E+22	2,586491E+22	2,541803E+22	2,409970E+22	2,177388E+22	1,906380E+22	1,718510E+22	1,718479E+22	1,906301E+22	2,177302E+22
1967	2,409934E+22	2,541844E+22	2,586589E+22	2,586588E+22	2,541854E+22	2,409964E+22	2,177330E+22	1,906322E+22	1,718485E+22	1,718490E+22	1,906331E+22	2,177326E+22
1968	2,409929E+22	2,541804E+22	2,586527E+22	2,586489E+22	2,541738E+22	2,409892E+22	2,177310E+22	1,906322E+22	1,718484E+22	1,718480E+22	1,906312E+22	2,177297E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1969	2,409885E+22	2,541739E+22	2,586497E+22	2,586534E+22	2,541811E+22	2,409961E+22	2,177366E+22	1,906356E+22	1,718505E+22	1,718501E+22	1,906343E+22	2,177347E+22
1970	2,409961E+22	2,541840E+22	2,586586E+22	2,586595E+22	2,541814E+22	2,409901E+22	2,177299E+22	1,906321E+22	1,718496E+22	1,718513E+22	1,906364E+22	2,177352E+22
1971	2,409926E+22	2,541759E+22	2,586455E+22	2,586459E+22	2,541764E+22	2,409923E+22	2,177335E+22	1,906351E+22	1,718518E+22	1,718516E+22	1,906345E+22	2,177324E+22
1972	2,409910E+22	2,541792E+22	2,586557E+22	2,586561E+22	2,541832E+22	2,409985E+22	2,177376E+22	1,906367E+22	1,718533E+22	1,718540E+22	1,906380E+22	2,177380E+22
1973	2,409991E+22	2,541862E+22	2,586594E+22	2,586558E+22	2,541756E+22	2,409879E+22	2,177323E+22	1,906371E+22	1,718565E+22	1,718575E+22	1,906389E+22	2,177337E+22
1974	2,409903E+22	2,541746E+22	2,586466E+22	2,586487E+22	2,541772E+22	2,409932E+22	2,177389E+22	1,906453E+22	1,718640E+22	1,718615E+22	1,906391E+22	2,177323E+22
1975	2,409902E+22	2,541808E+22	2,586590E+22	2,586611E+22	2,541874E+22	2,409979E+22	2,177367E+22	1,906418E+22	1,718640E+22	1,718656E+22	1,906455E+22	2,177384E+22
1976	2,409930E+22	2,541783E+22	2,586528E+22	2,586515E+22	2,541757E+22	2,409909E+22	2,177362E+22	1,906434E+22	1,718654E+22	1,718662E+22	1,906451E+22	2,177370E+22
1977	2,409897E+22	2,541709E+22	2,586445E+22	2,586484E+22	2,541784E+22	2,409970E+22	2,177438E+22	1,906500E+22	1,718693E+22	1,718678E+22	1,906460E+22	2,177396E+22
1978	2,409967E+22	2,541838E+22	2,586580E+22	2,586571E+22	2,541801E+22	2,409920E+22	2,177373E+22	1,906465E+22	1,718686E+22	1,718688E+22	1,906473E+22	2,177395E+22
1979	2,409940E+22	2,541779E+22	2,586487E+22	2,586451E+22	2,541715E+22	2,409894E+22	2,177372E+22	1,906468E+22	1,718689E+22	1,718677E+22	1,906441E+22	2,177345E+22
1980	2,409889E+22	2,541764E+22	2,586549E+22	2,586559E+22	2,541802E+22	2,409949E+22	2,177394E+22	1,906456E+22	1,718667E+22	1,718667E+22	1,906453E+22	2,177390E+22
1981	2,409967E+22	2,541846E+22	2,586603E+22	2,586595E+22	2,541797E+22	2,409883E+22	2,177320E+22	1,906403E+22	1,718632E+22	1,718654E+22	1,906450E+22	2,177363E+22
1982	2,409894E+22	2,541727E+22	2,586448E+22	2,586467E+22	2,541776E+22	2,409939E+22	2,177380E+22	1,906438E+22	1,718631E+22	1,718617E+22	1,906405E+22	2,177339E+22
1983	2,409896E+22	2,541774E+22	2,586555E+22	2,586581E+22	2,541866E+22	2,410001E+22	2,177385E+22	1,906397E+22	1,718581E+22	1,718586E+22	1,906407E+22	2,177379E+22
1984	2,409956E+22	2,541808E+22	2,586542E+22	2,586524E+22	2,541757E+22	2,409902E+22	2,177348E+22	1,906388E+22	1,718566E+22	1,718559E+22	1,906368E+22	2,177331E+22
1985	2,409904E+22	2,541732E+22	2,586442E+22	2,586455E+22	2,541753E+22	2,409933E+22	2,177393E+22	1,906430E+22	1,718592E+22	1,718566E+22	1,906363E+22	2,177325E+22
1986	2,409927E+22	2,541833E+22	2,586594E+22	2,586586E+22	2,541825E+22	2,409922E+22	2,177329E+22	1,906376E+22	1,718567E+22	1,718574E+22	1,906393E+22	2,177350E+22
1987	2,409914E+22	2,541774E+22	2,586506E+22	2,586481E+22	2,541739E+22	2,409890E+22	2,177315E+22	1,906360E+22	1,718558E+22	1,718565E+22	1,906381E+22	2,177330E+22
1988	2,409876E+22	2,541720E+22	2,586492E+22	2,586526E+22	2,541798E+22	2,409947E+22	2,177366E+22	1,906380E+22	1,718555E+22	1,718561E+22	1,906391E+22	2,177378E+22
1989	2,409979E+22	2,541844E+22	2,586579E+22	2,586580E+22	2,541807E+22	2,409900E+22	2,177315E+22	1,906359E+22	1,718556E+22	1,718577E+22	1,906405E+22	2,177365E+22
1990	2,409929E+22	2,541764E+22	2,586454E+22	2,586431E+22	2,541730E+22	2,409908E+22	2,177363E+22	1,906422E+22	1,718610E+22	1,718591E+22	1,906382E+22	2,177324E+22
1991	2,409893E+22	2,541782E+22	2,586559E+22	2,586563E+22	2,541828E+22	2,409974E+22	2,177390E+22	1,906429E+22	1,718625E+22	1,718623E+22	1,906416E+22	2,177365E+22
1992	2,409947E+22	2,541828E+22	2,586589E+22	2,586572E+22	2,541776E+22	2,409889E+22	2,177345E+22	1,906432E+22	1,718658E+22	1,718663E+22	1,906440E+22	2,177347E+22
1993	2,409882E+22	2,541710E+22	2,586438E+22	2,586459E+22	2,541755E+22	2,409928E+22	2,177407E+22	1,906504E+22	1,718725E+22	1,718712E+22	1,906468E+22	2,177362E+22
1994	2,409898E+22	2,541777E+22	2,586562E+22	2,586584E+22	2,541847E+22	2,409968E+22	2,177400E+22	1,906489E+22	1,718725E+22	1,718736E+22	1,906511E+22	2,177414E+22
1995	2,409933E+22	2,541763E+22	2,586494E+22	2,586478E+22	2,541731E+22	2,409902E+22	2,177388E+22	1,906502E+22	1,718746E+22	1,718746E+22	1,906504E+22	2,177387E+22
1996	2,409892E+22	2,541710E+22	2,586453E+22	2,586467E+22	2,541745E+22	2,409932E+22	2,177432E+22	1,906540E+22	1,718767E+22	1,718752E+22	1,906504E+22	2,177408E+22
1997	2,409968E+22	2,541847E+22	2,586599E+22	2,586578E+22	2,541790E+22	2,409898E+22	2,177367E+22	1,906493E+22	1,718753E+22	1,718770E+22	1,906527E+22	2,177403E+22
1998	2,409920E+22	2,541764E+22	2,586491E+22	2,586453E+22	2,541705E+22	2,409877E+22	2,177376E+22	1,906511E+22	1,718762E+22	1,718754E+22	1,906497E+22	2,177365E+22
1999	2,409871E+22	2,541730E+22	2,586528E+22	2,586564E+22	2,541829E+22	2,409967E+22	2,177403E+22	1,906486E+22	1,718722E+22	1,718725E+22	1,906492E+22	2,177402E+22
2000	2,409954E+22	2,541815E+22	2,586574E+22	2,586585E+22	2,541815E+22	2,409918E+22	2,177358E+22	1,906448E+22	1,718685E+22	1,718698E+22	1,906477E+22	2,177383E+22
2001	2,409908E+22	2,541719E+22	2,586420E+22	2,586417E+22	2,541732E+22	2,409926E+22	2,177406E+22	1,906494E+22	1,718700E+22	1,718678E+22	1,906444E+22	2,177358E+22
2002	2,409904E+22	2,541776E+22	2,586554E+22	2,586558E+22	2,541821E+22	2,409969E+22	2,177405E+22	1,906466E+22	1,718665E+22	1,718654E+22	1,906436E+22	2,177375E+22
2003	2,409938E+22	2,541793E+22	2,586538E+22	2,586512E+22	2,541731E+22	2,409876E+22	2,177351E+22	1,906440E+22	1,718654E+22	1,718647E+22	1,906420E+22	2,177330E+22
2004	2,409868E+22	2,541708E+22	2,586452E+22	2,586465E+22	2,541738E+22	2,409899E+22	2,177371E+22	1,906451E+22	1,718654E+22	1,718641E+22	1,906421E+22	2,177349E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409920E+22	2,541814E+22	2,586586E+22	2,586590E+22	2,541834E+22	2,409923E+22	2,177326E+22	1,906389E+22	1,718617E+22	1,718646E+22	1,906452E+22	2,177377E+22
2006	2,409912E+22	2,541751E+22	2,586480E+22	2,586450E+22	2,541716E+22	2,409889E+22	2,177343E+22	1,906412E+22	1,718625E+22	1,718630E+22	1,906427E+22	2,177357E+22
2007	2,409884E+22	2,541711E+22	2,586471E+22	2,586509E+22	2,541796E+22	2,409952E+22	2,177388E+22	1,906435E+22	1,718628E+22	1,718619E+22	1,906414E+22	2,177375E+22
2008	2,409972E+22	2,541843E+22	2,586580E+22	2,586574E+22	2,541807E+22	2,409910E+22	2,177346E+22	1,906424E+22	1,718643E+22	1,718646E+22	1,906434E+22	2,177363E+22
2009	2,409919E+22	2,541758E+22	2,586459E+22	2,586415E+22	2,541694E+22	2,409882E+22	2,177377E+22	1,906488E+22	1,718711E+22	1,718693E+22	1,906446E+22	2,177339E+22
2010	2,409871E+22	2,541752E+22	2,586556E+22	2,586570E+22	2,541815E+22	2,409952E+22	2,177405E+22	1,906498E+22	1,718726E+22	1,718721E+22	1,906481E+22	2,177380E+22
2011	2,409918E+22	2,541778E+22	2,586552E+22	2,586557E+22	2,541778E+22	2,409900E+22	2,177367E+22	1,906489E+22	1,718752E+22	1,718766E+22	1,906517E+22	2,177377E+22
2012	2,409866E+22	2,541681E+22	2,586418E+22	2,586432E+22	2,541725E+22	2,409913E+22	2,177417E+22	1,906545E+22	1,718792E+22	1,718787E+22	1,906530E+22	2,177401E+22
2013	2,409919E+22	2,541780E+22	2,586547E+22	2,586556E+22	2,541818E+22	2,409952E+22	2,177409E+22	1,906531E+22	1,718798E+22	1,718814E+22	1,906561E+22	2,177432E+22
2014	2,409940E+22	2,541769E+22	2,586495E+22	2,586451E+22	2,541687E+22	2,409873E+22	2,177399E+22	1,906562E+22	1,718834E+22	1,718828E+22	1,906550E+22	2,177398E+22
2015	2,409887E+22	2,541707E+22	2,586460E+22	2,586481E+22	2,541749E+22	2,409914E+22	2,177423E+22	1,906576E+22	1,718840E+22	1,718824E+22	1,906540E+22	2,177402E+22
2016	2,409941E+22	2,541825E+22	2,586599E+22	2,586601E+22	2,541820E+22	2,409916E+22	2,177380E+22	1,906531E+22	1,718817E+22	1,718831E+22	1,906567E+22	2,177418E+22
2017	2,409909E+22	2,541736E+22	2,586472E+22	2,586439E+22	2,541697E+22	2,409885E+22	2,177398E+22	1,906552E+22	1,718824E+22	1,718822E+22	1,906550E+22	2,177395E+22
2018	2,409871E+22	2,541704E+22	2,586502E+22	2,586544E+22	2,541807E+22	2,409968E+22	2,177445E+22	1,906553E+22	1,718790E+22	1,718780E+22	1,906521E+22	2,177409E+22
2019	2,409947E+22	2,541793E+22	2,586543E+22	2,586553E+22	2,541795E+22	2,409923E+22	2,177392E+22	1,906516E+22	1,718770E+22	1,718771E+22	1,906513E+22	2,177380E+22
2020	2,409889E+22	2,541717E+22	2,586428E+22	2,586396E+22	2,541686E+22	2,409891E+22	2,177402E+22	1,906532E+22	1,718769E+22	1,718748E+22	1,906485E+22	2,177364E+22
2021	2,409896E+22	2,541771E+22	2,586555E+22	2,586553E+22	2,541797E+22	2,409940E+22	2,177393E+22	1,906493E+22	1,718735E+22	1,718739E+22	1,906492E+22	2,177385E+22
2022	2,409919E+22	2,541768E+22	2,586526E+22	2,586504E+22	2,541714E+22	2,409856E+22	2,177347E+22	1,906477E+22	1,718727E+22	1,718729E+22	1,906484E+22	2,177362E+22
2023	2,409865E+22	2,541678E+22	2,586422E+22	2,586463E+22	2,541753E+22	2,409902E+22	2,177366E+22	1,906470E+22	1,718704E+22	1,718700E+22	1,906465E+22	2,177372E+22
2024	2,409924E+22	2,541800E+22	2,586565E+22	2,586576E+22	2,541837E+22	2,409944E+22	2,177357E+22	1,906435E+22	1,718671E+22	1,718690E+22	1,906481E+22	2,177402E+22
2025	2,409933E+22	2,541758E+22	2,586474E+22	2,586419E+22	2,541673E+22	2,409871E+22	2,177364E+22	1,906471E+22	1,718702E+22	1,718697E+22	1,906464E+22	2,177367E+22
2026	2,409887E+22	2,541716E+22	2,586484E+22	2,586505E+22	2,541762E+22	2,409930E+22	2,177414E+22	1,906508E+22	1,718721E+22	1,718697E+22	1,906443E+22	2,177357E+22
2027	2,409936E+22	2,541819E+22	2,586579E+22	2,586580E+22	2,541805E+22	2,409909E+22	2,177364E+22	1,906488E+22	1,718746E+22	1,718750E+22	1,906491E+22	2,177354E+22
2028	2,409869E+22	2,541721E+22	2,586456E+22	2,586422E+22	2,541687E+22	2,409868E+22	2,177375E+22	1,906527E+22	1,718793E+22	1,718787E+22	1,906518E+22	2,177366E+22
2029	2,409858E+22	2,541714E+22	2,586522E+22	2,586556E+22	2,541816E+22	2,409963E+22	2,177420E+22	1,906538E+22	1,718805E+22	1,718817E+22	1,906553E+22	2,177414E+22
2030	2,409916E+22	2,541747E+22	2,586510E+22	2,586515E+22	2,541744E+22	2,409894E+22	2,177401E+22	1,906559E+22	1,718843E+22	1,718854E+22	1,906581E+22	2,177417E+22
2031	2,409883E+22	2,541671E+22	2,586389E+22	2,586408E+22	2,541708E+22	2,409900E+22	2,177428E+22	1,906599E+22	1,718874E+22	1,718861E+22	1,906570E+22	2,177413E+22
2032	2,409926E+22	2,541790E+22	2,586554E+22	2,586547E+22	2,541800E+22	2,409948E+22	2,177430E+22	1,906586E+22	1,718877E+22	1,718883E+22	1,906601E+22	2,177446E+22
2033	2,409942E+22	2,541774E+22	2,586508E+22	2,586446E+22	2,541652E+22	2,409841E+22	2,177401E+22	1,906610E+22	1,718917E+22	1,718916E+22	1,906610E+22	2,177417E+22
2034	2,409878E+22	2,541694E+22	2,586467E+22	2,586499E+22	2,541747E+22	2,409906E+22	2,177435E+22	1,906623E+22	1,718914E+22	1,718898E+22	1,906586E+22	2,177410E+22
2035	2,409920E+22	2,541791E+22	2,586573E+22	2,586593E+22	2,541831E+22	2,409940E+22	2,177406E+22	1,906574E+22	1,718885E+22	1,718904E+22	1,906615E+22	2,177427E+22
2036	2,409891E+22	2,541715E+22	2,586455E+22	2,586417E+22	2,541670E+22	2,409877E+22	2,177415E+22	1,906592E+22	1,718879E+22	1,718875E+22	1,906587E+22	2,177413E+22
2037	2,409880E+22	2,541702E+22	2,586485E+22	2,586520E+22	2,541780E+22	2,409954E+22	2,177455E+22	1,906595E+22	1,718859E+22	1,718846E+22	1,906551E+22	2,177404E+22
2038	2,409930E+22	2,541781E+22	2,586533E+22	2,586527E+22	2,541749E+22	2,409891E+22	2,177401E+22	1,906571E+22	1,718854E+22	1,718850E+22	1,906556E+22	2,177381E+22
2039	2,409869E+22	2,541694E+22	2,586417E+22	2,586407E+22	2,541684E+22	2,409867E+22	2,177387E+22	1,906559E+22	1,718834E+22	1,718819E+22	1,906527E+22	2,177365E+22
2040	2,409873E+22	2,541749E+22	2,586545E+22	2,586559E+22	2,541809E+22	2,409949E+22	2,177400E+22	1,906520E+22	1,718789E+22	1,718797E+22	1,906541E+22	2,177414E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409919E+22	2,541746E+22	2,586502E+22	2,586482E+22	2,541694E+22	2,409852E+22	2,177361E+22	1,906512E+22	1,718786E+22	1,718796E+22	1,906540E+22	2,177399E+22
2042	2,409881E+22	2,541670E+22	2,586407E+22	2,586449E+22	2,541732E+22	2,409899E+22	2,177398E+22	1,906527E+22	1,718770E+22	1,718756E+22	1,906493E+22	2,177377E+22
2043	2,409922E+22	2,541792E+22	2,586549E+22	2,586558E+22	2,541823E+22	2,409951E+22	2,177389E+22	1,906500E+22	1,718759E+22	1,718767E+22	1,906517E+22	2,177391E+22
2044	2,409909E+22	2,541759E+22	2,586490E+22	2,586417E+22	2,541641E+22	2,409847E+22	2,177372E+22	1,906520E+22	1,718782E+22	1,718778E+22	1,906512E+22	2,177372E+22
2045	2,409870E+22	2,541703E+22	2,586484E+22	2,586512E+22	2,541753E+22	2,409915E+22	2,177417E+22	1,906555E+22	1,718813E+22	1,718798E+22	1,906507E+22	2,177362E+22
2046	2,409900E+22	2,541776E+22	2,586552E+22	2,586571E+22	2,541796E+22	2,409905E+22	2,177381E+22	1,906545E+22	1,718842E+22	1,718855E+22	1,906570E+22	2,177391E+22
2047	2,409861E+22	2,541679E+22	2,586410E+22	2,586410E+22	2,541694E+22	2,409875E+22	2,177388E+22	1,906567E+22	1,718865E+22	1,718868E+22	1,906579E+22	2,177400E+22
2048	2,409870E+22	2,541704E+22	2,586489E+22	2,586521E+22	2,541795E+22	2,409972E+22	2,177458E+22	1,906599E+22	1,718878E+22	1,718880E+22	1,906601E+22	2,177452E+22
2049	2,409944E+22	2,541760E+22	2,586501E+22	2,586476E+22	2,541687E+22	2,409860E+22	2,177415E+22	1,906623E+22	1,718934E+22	1,718937E+22	1,906633E+22	2,177439E+22
2050	2,409897E+22	2,541690E+22	2,586409E+22	2,586407E+22	2,541668E+22	2,409865E+22	2,177438E+22	1,906657E+22	1,718963E+22	1,718942E+22	1,906607E+22	2,177404E+22
2051	2,409900E+22	2,541778E+22	2,586564E+22	2,586565E+22	2,541801E+22	2,409942E+22	2,177439E+22	1,906637E+22	1,718966E+22	1,718975E+22	1,906654E+22	2,177437E+22
2052	2,409901E+22	2,541752E+22	2,586517E+22	2,586466E+22	2,541656E+22	2,409834E+22	2,177398E+22	1,906634E+22	1,718976E+22	1,718986E+22	1,906663E+22	2,177435E+22
2053	2,409863E+22	2,541665E+22	2,586441E+22	2,586492E+22	2,541753E+22	2,409920E+22	2,177454E+22	1,906659E+22	1,718977E+22	1,718968E+22	1,906630E+22	2,177418E+22
2054	2,409901E+22	2,541758E+22	2,586534E+22	2,586559E+22	2,541809E+22	2,409946E+22	2,177446E+22	1,906640E+22	1,718964E+22	1,718972E+22	1,906656E+22	2,177442E+22
2055	2,409888E+22	2,541694E+22	2,586421E+22	2,586398E+22	2,541659E+22	2,409867E+22	2,177426E+22	1,906639E+22	1,718950E+22	1,718939E+22	1,906616E+22	2,177411E+22
2056	2,409871E+22	2,541698E+22	2,586475E+22	2,586501E+22	2,541755E+22	2,409945E+22	2,177475E+22	1,906646E+22	1,718929E+22	1,718910E+22	1,906595E+22	2,177420E+22
2057	2,409921E+22	2,541769E+22	2,586527E+22	2,586514E+22	2,541711E+22	2,409851E+22	2,177395E+22	1,906611E+22	1,718929E+22	1,718934E+22	1,906623E+22	2,177412E+22
2058	2,409865E+22	2,541678E+22	2,586409E+22	2,586408E+22	2,541674E+22	2,409854E+22	2,177390E+22	1,906587E+22	1,718893E+22	1,718887E+22	1,906579E+22	2,177386E+22
2059	2,409866E+22	2,541726E+22	2,586520E+22	2,586546E+22	2,541808E+22	2,409964E+22	2,177422E+22	1,906554E+22	1,718846E+22	1,718862E+22	1,906588E+22	2,177429E+22
2060	2,409918E+22	2,541750E+22	2,586497E+22	2,586463E+22	2,541665E+22	2,409838E+22	2,177372E+22	1,906545E+22	1,718834E+22	1,718843E+22	1,906572E+22	2,177416E+22
2061	2,409895E+22	2,541686E+22	2,586408E+22	2,586439E+22	2,541711E+22	2,409887E+22	2,177409E+22	1,906574E+22	1,718846E+22	1,718824E+22	1,906518E+22	2,177363E+22
2062	2,409898E+22	2,541782E+22	2,586550E+22	2,586552E+22	2,541798E+22	2,409934E+22	2,177409E+22	1,906563E+22	1,718852E+22	1,718854E+22	1,906563E+22	2,177388E+22
2063	2,409878E+22	2,541724E+22	2,586474E+22	2,586438E+22	2,541658E+22	2,409838E+22	2,177374E+22	1,906563E+22	1,718864E+22	1,718865E+22	1,906566E+22	2,177377E+22
2064	2,409840E+22	2,541669E+22	2,586458E+22	2,586507E+22	2,541763E+22	2,409935E+22	2,177447E+22	1,906606E+22	1,718888E+22	1,718877E+22	1,906574E+22	2,177401E+22
2065	2,409894E+22	2,541742E+22	2,586512E+22	2,586532E+22	2,541761E+22	2,409896E+22	2,177410E+22	1,906607E+22	1,718929E+22	1,718946E+22	1,906645E+22	2,177437E+22
2066	2,409880E+22	2,541674E+22	2,586389E+22	2,586381E+22	2,541657E+22	2,409863E+22	2,177422E+22	1,906635E+22	1,718953E+22	1,718948E+22	1,906626E+22	2,177416E+22
2067	2,409876E+22	2,541710E+22	2,586482E+22	2,586497E+22	2,541764E+22	2,409958E+22	2,177477E+22	1,906663E+22	1,718976E+22	1,718973E+22	1,906649E+22	2,177449E+22
2068	2,409929E+22	2,541774E+22	2,586525E+22	2,586475E+22	2,541650E+22	2,409821E+22	2,177408E+22	1,906663E+22	1,719013E+22	1,719021E+22	1,906687E+22	2,177452E+22
2069	2,409888E+22	2,541689E+22	2,586423E+22	2,586430E+22	2,541672E+22	2,409847E+22	2,177428E+22	1,906692E+22	1,719044E+22	1,719031E+22	1,906662E+22	2,177409E+22
2070	2,409866E+22	2,541738E+22	2,586544E+22	2,586566E+22	2,541806E+22	2,409946E+22	2,177456E+22	1,906682E+22	1,719043E+22	1,719059E+22	1,906717E+22	2,177463E+22
2071	2,409886E+22	2,541707E+22	2,586474E+22	2,586464E+22	2,541676E+22	2,409851E+22	2,177423E+22	1,906672E+22	1,719032E+22	1,719045E+22	1,906704E+22	2,177451E+22
2072	2,409863E+22	2,541653E+22	2,586410E+22	2,586459E+22	2,541738E+22	2,409936E+22	2,177498E+22	1,906720E+22	1,719038E+22	1,719016E+22	1,906664E+22	2,177438E+22
2073	2,409901E+22	2,541751E+22	2,586516E+22	2,586519E+22	2,541756E+22	2,409915E+22	2,177462E+22	1,906702E+22	1,719049E+22	1,719049E+22	1,906700E+22	2,177453E+22
2074	2,409885E+22	2,541696E+22	2,586425E+22	2,586388E+22	2,541623E+22	2,409836E+22	2,177434E+22	1,906687E+22	1,719028E+22	1,719014E+22	1,906656E+22	2,177407E+22
2075	2,409844E+22	2,541677E+22	2,586468E+22	2,586500E+22	2,541748E+22	2,409931E+22	2,177476E+22	1,906684E+22	1,719003E+22	1,718993E+22	1,906650E+22	2,177425E+22
2076	2,409895E+22	2,541753E+22	2,586522E+22	2,586511E+22	2,541702E+22	2,409836E+22	2,177387E+22	1,906626E+22	1,718974E+22	1,718994E+22	1,906678E+22	2,177448E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409874E+22	2,541669E+22	2,586394E+22	2,586399E+22	2,541670E+22	2,409855E+22	2,177399E+22	1,906617E+22	1,718945E+22	1,718943E+22	1,906615E+22	2,177401E+22
2078	2,409863E+22	2,541713E+22	2,586499E+22	2,586522E+22	2,541788E+22	2,409961E+22	2,177452E+22	1,906613E+22	1,718916E+22	1,718922E+22	1,906623E+22	2,177439E+22
2079	2,409917E+22	2,541742E+22	2,586485E+22	2,586465E+22	2,541666E+22	2,409831E+22	2,177386E+22	1,906591E+22	1,718902E+22	1,718904E+22	1,906597E+22	2,177406E+22
2080	2,409877E+22	2,541686E+22	2,586412E+22	2,586434E+22	2,541700E+22	2,409887E+22	2,177438E+22	1,906635E+22	1,718924E+22	1,718896E+22	1,906567E+22	2,177373E+22
2081	2,409868E+22	2,541754E+22	2,586540E+22	2,586547E+22	2,541778E+22	2,409911E+22	2,177419E+22	1,906622E+22	1,718948E+22	1,718955E+22	1,906637E+22	2,177417E+22
2082	2,409865E+22	2,541695E+22	2,586451E+22	2,586427E+22	2,541650E+22	2,409836E+22	2,177393E+22	1,906612E+22	1,718947E+22	1,718955E+22	1,906632E+22	2,177404E+22
2083	2,409832E+22	2,541639E+22	2,586419E+22	2,586472E+22	2,541746E+22	2,409941E+22	2,177480E+22	1,906666E+22	1,718972E+22	1,718965E+22	1,906638E+22	2,177426E+22
2084	2,409900E+22	2,541748E+22	2,586502E+22	2,586498E+22	2,541714E+22	2,409864E+22	2,177417E+22	1,906654E+22	1,719000E+22	1,719017E+22	1,906696E+22	2,177466E+22
2085	2,409898E+22	2,541694E+22	2,586399E+22	2,586368E+22	2,541623E+22	2,409828E+22	2,177416E+22	1,906682E+22	1,719041E+22	1,719030E+22	1,906664E+22	2,177411E+22
2086	2,409855E+22	2,541705E+22	2,586493E+22	2,586501E+22	2,541744E+22	2,409931E+22	2,177484E+22	1,906717E+22	1,719068E+22	1,719065E+22	1,906705E+22	2,177454E+22
2087	2,409901E+22	2,541742E+22	2,586518E+22	2,586508E+22	2,541682E+22	2,409818E+22	2,177405E+22	1,906695E+22	1,719081E+22	1,719097E+22	1,906736E+22	2,177457E+22
2088	2,409861E+22	2,541660E+22	2,586406E+22	2,586431E+22	2,541694E+22	2,409879E+22	2,177465E+22	1,906741E+22	1,719106E+22	1,719095E+22	1,906717E+22	2,177439E+22
2089	2,409851E+22	2,541699E+22	2,586506E+22	2,586537E+22	2,541786E+22	2,409949E+22	2,177496E+22	1,906749E+22	1,719123E+22	1,719134E+22	1,906770E+22	2,177493E+22
2090	2,409894E+22	2,541694E+22	2,586446E+22	2,586428E+22	2,541648E+22	2,409850E+22	2,177463E+22	1,906742E+22	1,719115E+22	1,719114E+22	1,906739E+22	2,177454E+22
2091	2,409853E+22	2,541644E+22	2,586393E+22	2,586423E+22	2,541704E+22	2,409925E+22	2,177526E+22	1,906786E+22	1,719130E+22	1,719102E+22	1,906709E+22	2,177433E+22
2092	2,409882E+22	2,541753E+22	2,586523E+22	2,586502E+22	2,541711E+22	2,409869E+22	2,177451E+22	1,906736E+22	1,719118E+22	1,719126E+22	1,906758E+22	2,177475E+22
2093	2,409879E+22	2,541690E+22	2,586431E+22	2,586395E+22	2,541616E+22	2,409806E+22	2,177410E+22	1,906710E+22	1,719096E+22	1,719091E+22	1,906710E+22	2,177424E+22
2094	2,409828E+22	2,541650E+22	2,586450E+22	2,586492E+22	2,541744E+22	2,409923E+22	2,177478E+22	1,906711E+22	1,719060E+22	1,719061E+22	1,906708E+22	2,177460E+22
2095	2,409901E+22	2,541726E+22	2,586492E+22	2,586509E+22	2,541714E+22	2,409841E+22	2,177399E+22	1,906651E+22	1,719011E+22	1,719033E+22	1,906705E+22	2,177464E+22
2096	2,409886E+22	2,541681E+22	2,586391E+22	2,586381E+22	2,541660E+22	2,409863E+22	2,177434E+22	1,906669E+22	1,718994E+22	1,718979E+22	1,906638E+22	2,177411E+22
2097	2,409857E+22	2,541711E+22	2,586500E+22	2,586502E+22	2,541749E+22	2,409932E+22	2,177470E+22	1,906676E+22	1,719001E+22	1,718995E+22	1,906657E+22	2,177437E+22
2098	2,409898E+22	2,541735E+22	2,586496E+22	2,586469E+22	2,541656E+22	2,409821E+22	2,177406E+22	1,906647E+22	1,718987E+22	1,718986E+22	1,906639E+22	2,177394E+22
2099	2,409834E+22	2,541651E+22	2,586400E+22	2,586432E+22	2,541705E+22	2,409889E+22	2,177455E+22	1,906688E+22	1,719013E+22	1,718992E+22	1,906629E+22	2,177378E+22
2100	2,409834E+22	2,541717E+22	2,586511E+22	2,586523E+22	2,541762E+22	2,409901E+22	2,177426E+22	1,906659E+22	1,719016E+22	1,719037E+22	1,906707E+22	2,177460E+22
2101	2,409873E+22	2,541676E+22	2,586423E+22	2,586402E+22	2,541635E+22	2,409827E+22	2,177405E+22	1,906663E+22	1,719028E+22	1,719034E+22	1,906685E+22	2,177429E+22
2102	2,409834E+22	2,541626E+22	2,586395E+22	2,586436E+22	2,541710E+22	2,409918E+22	2,177499E+22	1,906730E+22	1,719063E+22	1,719050E+22	1,906693E+22	2,177452E+22
2103	2,409905E+22	2,541740E+22	2,586495E+22	2,586495E+22	2,541702E+22	2,409843E+22	2,177422E+22	1,906700E+22	1,719077E+22	1,719092E+22	1,906738E+22	2,177472E+22
2104	2,409891E+22	2,541702E+22	2,586420E+22	2,586376E+22	2,541615E+22	2,409821E+22	2,177435E+22	1,906735E+22	1,719113E+22	1,719105E+22	1,906721E+22	2,177430E+22
2105	2,409831E+22	2,541678E+22	2,586488E+22	2,586506E+22	2,541738E+22	2,409915E+22	2,177492E+22	1,906771E+22	1,719157E+22	1,719159E+22	1,906773E+22	2,177481E+22
2106	2,409891E+22	2,541716E+22	2,586497E+22	2,586500E+22	2,541693E+22	2,409841E+22	2,177438E+22	1,906744E+22	1,719156E+22	1,719175E+22	1,906787E+22	2,177473E+22
2107	2,409848E+22	2,541632E+22	2,586372E+22	2,586396E+22	2,541683E+22	2,409898E+22	2,177512E+22	1,906810E+22	1,719189E+22	1,719172E+22	1,906763E+22	2,177447E+22
2108	2,409846E+22	2,541695E+22	2,586488E+22	2,586496E+22	2,541740E+22	2,409922E+22	2,177512E+22	1,906807E+22	1,719200E+22	1,719202E+22	1,906811E+22	2,177510E+22
2109	2,409901E+22	2,541702E+22	2,586450E+22	2,586412E+22	2,541613E+22	2,409812E+22	2,177457E+22	1,906794E+22	1,719205E+22	1,719195E+22	1,906776E+22	2,177449E+22
2110	2,409828E+22	2,541627E+22	2,586394E+22	2,586417E+22	2,541676E+22	2,409889E+22	2,177521E+22	1,906831E+22	1,719212E+22	1,719190E+22	1,906769E+22	2,177449E+22
2111	2,409861E+22	2,541717E+22	2,586512E+22	2,586520E+22	2,541727E+22	2,409857E+22	2,177438E+22	1,906751E+22	1,719167E+22	1,719188E+22	1,906806E+22	2,177495E+22
2112	2,409872E+22	2,541674E+22	2,586422E+22	2,586391E+22	2,541625E+22	2,409826E+22	2,177434E+22	1,906738E+22	1,719132E+22	1,719136E+22	1,906757E+22	2,177459E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2113	2,409829E+22	2,541630E+22	2,586430E+22	2,586472E+22	2,541727E+22	2,409918E+22	2,177501E+22	1,906762E+22	1,719122E+22	1,719116E+22	1,906745E+22	2,177484E+22
2114	2,409916E+22	2,541731E+22	2,586484E+22	2,586487E+22	2,541702E+22	2,409846E+22	2,177427E+22	1,906704E+22	1,719079E+22	1,719086E+22	1,906722E+22	2,177452E+22
2115	2,409870E+22	2,541675E+22	2,586391E+22	2,586363E+22	2,541642E+22	2,409862E+22	2,177464E+22	1,906734E+22	1,719082E+22	1,719057E+22	1,906672E+22	2,177394E+22
2116	2,409825E+22	2,541696E+22	2,586503E+22	2,586497E+22	2,541724E+22	2,409901E+22	2,177468E+22	1,906720E+22	1,719077E+22	1,719075E+22	1,906712E+22	2,177451E+22
2117	2,409877E+22	2,541706E+22	2,586486E+22	2,586470E+22	2,541654E+22	2,409802E+22	2,177394E+22	1,906687E+22	1,719072E+22	1,719075E+22	1,906700E+22	2,177413E+22
2118	2,409810E+22	2,541606E+22	2,586363E+22	2,586404E+22	2,541690E+22	2,409887E+22	2,177472E+22	1,906733E+22	1,719089E+22	1,719080E+22	1,906703E+22	2,177423E+22
2119	2,409842E+22	2,541684E+22	2,586472E+22	2,586497E+22	2,541749E+22	2,409895E+22	2,177440E+22	1,906698E+22	1,719075E+22	1,719096E+22	1,906751E+22	2,177489E+22
2120	2,409894E+22	2,541691E+22	2,586421E+22	2,586374E+22	2,541606E+22	2,409817E+22	2,177429E+22	1,906719E+22	1,719094E+22	1,719094E+22	1,906727E+22	2,177450E+22
2121	2,409837E+22	2,541631E+22	2,586405E+22	2,586425E+22	2,541671E+22	2,409879E+22	2,177500E+22	1,906790E+22	1,719157E+22	1,719138E+22	1,906742E+22	2,177461E+22
2122	2,409898E+22	2,541740E+22	2,586510E+22	2,586504E+22	2,541700E+22	2,409837E+22	2,177434E+22	1,906750E+22	1,719163E+22	1,719178E+22	1,906784E+22	2,177466E+22
2123	2,409855E+22	2,541672E+22	2,586418E+22	2,586385E+22	2,541631E+22	2,409837E+22	2,177463E+22	1,906794E+22	1,719203E+22	1,719197E+22	1,906777E+22	2,177434E+22
2124	2,409804E+22	2,541645E+22	2,586465E+22	2,586489E+22	2,541729E+22	2,409917E+22	2,177514E+22	1,906821E+22	1,719231E+22	1,719236E+22	1,906831E+22	2,177511E+22
2125	2,409892E+22	2,541697E+22	2,586474E+22	2,586478E+22	2,541679E+22	2,409839E+22	2,177462E+22	1,906812E+22	1,719248E+22	1,719254E+22	1,906830E+22	2,177483E+22
2126	2,409838E+22	2,541613E+22	2,586348E+22	2,586359E+22	2,541647E+22	2,409883E+22	2,177536E+22	1,906879E+22	1,719286E+22	1,719262E+22	1,906818E+22	2,177465E+22
2127	2,409840E+22	2,541672E+22	2,586472E+22	2,586484E+22	2,541716E+22	2,409898E+22	2,177513E+22	1,906850E+22	1,719276E+22	1,719278E+22	1,906857E+22	2,177519E+22
2128	2,409894E+22	2,541701E+22	2,586462E+22	2,586417E+22	2,541599E+22	2,409794E+22	2,177460E+22	1,906833E+22	1,719269E+22	1,719268E+22	1,906840E+22	2,177479E+22
2129	2,409815E+22	2,541600E+22	2,586384E+22	2,586417E+22	2,541663E+22	2,409860E+22	2,177507E+22	1,906862E+22	1,719282E+22	1,719270E+22	1,906834E+22	2,177488E+22
2130	2,409870E+22	2,541701E+22	2,586492E+22	2,586504E+22	2,541731E+22	2,409878E+22	2,177458E+22	1,906780E+22	1,719215E+22	1,719242E+22	1,906845E+22	2,177512E+22
2131	2,409874E+22	2,541665E+22	2,586410E+22	2,586371E+22	2,541615E+22	2,409840E+22	2,177469E+22	1,906788E+22	1,719190E+22	1,719184E+22	1,906778E+22	2,177455E+22
2132	2,409829E+22	2,541637E+22	2,586425E+22	2,586444E+22	2,541689E+22	2,409894E+22	2,177510E+22	1,906806E+22	1,719184E+22	1,719166E+22	1,906764E+22	2,177481E+22
2133	2,409910E+22	2,541735E+22	2,586496E+22	2,586487E+22	2,541685E+22	2,409824E+22	2,177426E+22	1,906755E+22	1,719163E+22	1,719156E+22	1,906747E+22	2,177431E+22
2134	2,409829E+22	2,541643E+22	2,586384E+22	2,586363E+22	2,541629E+22	2,409845E+22	2,177468E+22	1,906782E+22	1,719167E+22	1,719147E+22	1,906732E+22	2,177406E+22
2135	2,409791E+22	2,541636E+22	2,586469E+22	2,586501E+22	2,541734E+22	2,409901E+22	2,177470E+22	1,906750E+22	1,719139E+22	1,719147E+22	1,906767E+22	2,177475E+22
2136	2,409869E+22	2,541678E+22	2,586460E+22	2,586449E+22	2,541647E+22	2,409817E+22	2,177425E+22	1,906731E+22	1,719128E+22	1,719140E+22	1,906764E+22	2,177456E+22
2137	2,409817E+22	2,541583E+22	2,586332E+22	2,586368E+22	2,541651E+22	2,409865E+22	2,177488E+22	1,906794E+22	1,719173E+22	1,719158E+22	1,906757E+22	2,177457E+22
2138	2,409868E+22	2,541697E+22	2,586463E+22	2,586463E+22	2,541718E+22	2,409891E+22	2,177463E+22	1,906755E+22	1,719158E+22	1,719171E+22	1,906786E+22	2,177489E+22
2139	2,409889E+22	2,541699E+22	2,586437E+22	2,586368E+22	2,541583E+22	2,409807E+22	2,177451E+22	1,906783E+22	1,719190E+22	1,719183E+22	1,906770E+22	2,177443E+22
2140	2,409819E+22	2,541629E+22	2,586419E+22	2,586433E+22	2,541654E+22	2,409849E+22	2,177494E+22	1,906834E+22	1,719241E+22	1,719226E+22	1,906801E+22	2,177479E+22
2141	2,409884E+22	2,541720E+22	2,586509E+22	2,586519E+22	2,541715E+22	2,409834E+22	2,177433E+22	1,906798E+22	1,719255E+22	1,719269E+22	1,906842E+22	2,177480E+22
2142	2,409830E+22	2,541628E+22	2,586385E+22	2,586368E+22	2,541627E+22	2,409851E+22	2,177496E+22	1,906854E+22	1,719289E+22	1,719288E+22	1,906847E+22	2,177470E+22
2143	2,409801E+22	2,541604E+22	2,586425E+22	2,586468E+22	2,541715E+22	2,409918E+22	2,177542E+22	1,906878E+22	1,719303E+22	1,719302E+22	1,906871E+22	2,177527E+22
2144	2,409898E+22	2,541700E+22	2,586469E+22	2,586450E+22	2,541645E+22	2,409829E+22	2,177490E+22	1,906875E+22	1,719326E+22	1,719327E+22	1,906880E+22	2,177498E+22
2145	2,409828E+22	2,541603E+22	2,586348E+22	2,586345E+22	2,541604E+22	2,409842E+22	2,177534E+22	1,906935E+22	1,719381E+22	1,719356E+22	1,906876E+22	2,177481E+22
2146	2,409835E+22	2,541666E+22	2,586472E+22	2,586479E+22	2,541707E+22	2,409890E+22	2,177512E+22	1,906883E+22	1,719347E+22	1,719357E+22	1,906906E+22	2,177524E+22
2147	2,409870E+22	2,541674E+22	2,586451E+22	2,586417E+22	2,541606E+22	2,409805E+22	2,177475E+22	1,906870E+22	1,719334E+22	1,719339E+22	1,906886E+22	2,177493E+22
2148	2,409812E+22	2,541584E+22	2,586363E+22	2,586402E+22	2,541651E+22	2,409856E+22	2,177514E+22	1,906889E+22	1,719328E+22	1,719319E+22	1,906873E+22	2,177515E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409885E+22	2,541700E+22	2,586479E+22	2,586489E+22	2,541717E+22	2,409870E+22	2,177471E+22	1,906830E+22	1,719283E+22	1,719293E+22	1,906864E+22	2,177507E+22
2150	2,409862E+22	2,541654E+22	2,586399E+22	2,586351E+22	2,541588E+22	2,409834E+22	2,177493E+22	1,906846E+22	1,719267E+22	1,719254E+22	1,906813E+22	2,177455E+22
2151	2,409809E+22	2,541610E+22	2,586417E+22	2,586446E+22	2,541672E+22	2,409879E+22	2,177517E+22	1,906846E+22	1,719248E+22	1,719229E+22	1,906796E+22	2,177472E+22
2152	2,409884E+22	2,541719E+22	2,586500E+22	2,586494E+22	2,541679E+22	2,409817E+22	2,177437E+22	1,906795E+22	1,719228E+22	1,719232E+22	1,906808E+22	2,177450E+22
2153	2,409803E+22	2,541600E+22	2,586356E+22	2,586354E+22	2,541616E+22	2,409830E+22	2,177467E+22	1,906822E+22	1,719245E+22	1,719235E+22	1,906802E+22	2,177448E+22
2154	2,409803E+22	2,541616E+22	2,586427E+22	2,586460E+22	2,541719E+22	2,409918E+22	2,177496E+22	1,906790E+22	1,719201E+22	1,719214E+22	1,906816E+22	2,177500E+22
2155	2,409880E+22	2,541675E+22	2,586440E+22	2,586418E+22	2,541618E+22	2,409816E+22	2,177458E+22	1,906794E+22	1,719206E+22	1,719208E+22	1,906798E+22	2,177467E+22
2156	2,409833E+22	2,541602E+22	2,586336E+22	2,586346E+22	2,541604E+22	2,409823E+22	2,177483E+22	1,906840E+22	1,719250E+22	1,719230E+22	1,906796E+22	2,177466E+22
2157	2,409871E+22	2,541712E+22	2,586490E+22	2,586477E+22	2,541699E+22	2,409857E+22	2,177455E+22	1,906808E+22	1,719252E+22	1,719257E+22	1,906827E+22	2,177477E+22
2158	2,409851E+22	2,541673E+22	2,586443E+22	2,586389E+22	2,541586E+22	2,409801E+22	2,177459E+22	1,906832E+22	1,719279E+22	1,719282E+22	1,906837E+22	2,177456E+22
2159	2,409784E+22	2,541575E+22	2,586394E+22	2,586445E+22	2,541673E+22	2,409866E+22	2,177511E+22	1,906873E+22	1,719310E+22	1,719303E+22	1,906856E+22	2,177496E+22
2160	2,409871E+22	2,541692E+22	2,586487E+22	2,586508E+22	2,541718E+22	2,409862E+22	2,177479E+22	1,906858E+22	1,719325E+22	1,719344E+22	1,906905E+22	2,177511E+22
2161	2,409827E+22	2,541599E+22	2,586348E+22	2,586336E+22	2,541592E+22	2,409837E+22	2,177524E+22	1,906929E+22	1,719389E+22	1,719378E+22	1,906905E+22	2,177499E+22
2162	2,409815E+22	2,541602E+22	2,586397E+22	2,586423E+22	2,541682E+22	2,409918E+22	2,177571E+22	1,906942E+22	1,719396E+22	1,719389E+22	1,906917E+22	2,177530E+22
2163	2,409886E+22	2,541696E+22	2,586471E+22	2,586439E+22	2,541615E+22	2,409811E+22	2,177508E+22	1,906936E+22	1,719419E+22	1,719418E+22	1,906931E+22	2,177503E+22
2164	2,409818E+22	2,541596E+22	2,586345E+22	2,586341E+22	2,541575E+22	2,409799E+22	2,177512E+22	1,906963E+22	1,719452E+22	1,719438E+22	1,906939E+22	2,177511E+22
2165	2,409836E+22	2,541656E+22	2,586467E+22	2,586482E+22	2,541706E+22	2,409877E+22	2,177505E+22	1,906914E+22	1,719413E+22	1,719427E+22	1,906954E+22	2,177543E+22
2166	2,409862E+22	2,541651E+22	2,586427E+22	2,586403E+22	2,541598E+22	2,409812E+22	2,177497E+22	1,906908E+22	1,719389E+22	1,719399E+22	1,906931E+22	2,177516E+22
2167	2,409814E+22	2,541566E+22	2,586344E+22	2,586390E+22	2,541635E+22	2,409852E+22	2,177533E+22	1,906928E+22	1,719375E+22	1,719356E+22	1,906886E+22	2,177510E+22
2168	2,409884E+22	2,541712E+22	2,586491E+22	2,586484E+22	2,541697E+22	2,409865E+22	2,177494E+22	1,906877E+22	1,719342E+22	1,719347E+22	1,906892E+22	2,177497E+22
2169	2,409832E+22	2,541634E+22	2,586397E+22	2,586354E+22	2,541563E+22	2,409805E+22	2,177496E+22	1,906898E+22	1,719352E+22	1,719337E+22	1,906861E+22	2,177458E+22
2170	2,409786E+22	2,541584E+22	2,586394E+22	2,586435E+22	2,541674E+22	2,409889E+22	2,177530E+22	1,906884E+22	1,719319E+22	1,719307E+22	1,906847E+22	2,177474E+22
2171	2,409849E+22	2,541678E+22	2,586472E+22	2,586483E+22	2,541678E+22	2,409832E+22	2,177466E+22	1,906843E+22	1,719300E+22	1,719308E+22	1,906860E+22	2,177472E+22
2172	2,409804E+22	2,541580E+22	2,586321E+22	2,586322E+22	2,541585E+22	2,409813E+22	2,177475E+22	1,906860E+22	1,719308E+22	1,719302E+22	1,906856E+22	2,177485E+22
2173	2,409828E+22	2,541626E+22	2,586417E+22	2,586437E+22	2,541686E+22	2,409891E+22	2,177503E+22	1,906847E+22	1,719284E+22	1,719283E+22	1,906852E+22	2,177508E+22
2174	2,409879E+22	2,541676E+22	2,586436E+22	2,586402E+22	2,541588E+22	2,409799E+22	2,177472E+22	1,906848E+22	1,719292E+22	1,719294E+22	1,906852E+22	2,177479E+22
2175	2,409820E+22	2,541590E+22	2,586346E+22	2,586364E+22	2,541592E+22	2,409802E+22	2,177484E+22	1,906877E+22	1,719320E+22	1,719303E+22	1,906841E+22	2,177469E+22
2176	2,409852E+22	2,541702E+22	2,586502E+22	2,586499E+22	2,541706E+22	2,409857E+22	2,177467E+22	1,906848E+22	1,719323E+22	1,719343E+22	1,906896E+22	2,177497E+22
2177	2,409825E+22	2,541630E+22	2,586416E+22	2,586391E+22	2,541590E+22	2,409806E+22	2,177478E+22	1,906884E+22	1,719367E+22	1,719378E+22	1,906910E+22	2,177494E+22
2178	2,409791E+22	2,541553E+22	2,586347E+22	2,586404E+22	2,541666E+22	2,409897E+22	2,177555E+22	1,906931E+22	1,719386E+22	1,719378E+22	1,906903E+22	2,177509E+22
2179	2,409864E+22	2,541679E+22	2,586461E+22	2,586472E+22	2,541685E+22	2,409863E+22	2,177525E+22	1,906939E+22	1,719421E+22	1,719423E+22	1,906940E+22	2,177518E+22
2180	2,409833E+22	2,541605E+22	2,586339E+22	2,586307E+22	2,541541E+22	2,409793E+22	2,177523E+22	1,906984E+22	1,719481E+22	1,719465E+22	1,906955E+22	2,177512E+22
2181	2,409815E+22	2,541610E+22	2,586408E+22	2,586422E+22	2,541648E+22	2,409870E+22	2,177560E+22	1,906995E+22	1,719491E+22	1,719479E+22	1,906969E+22	2,177529E+22
2182	2,409854E+22	2,541669E+22	2,586463E+22	2,586444E+22	2,541610E+22	2,409797E+22	2,177508E+22	1,906975E+22	1,719497E+22	1,719510E+22	1,907001E+22	2,177529E+22
2183	2,409797E+22	2,541558E+22	2,586330E+22	2,586349E+22	2,541581E+22	2,409802E+22	2,177517E+22	1,906982E+22	1,719496E+22	1,719493E+22	1,906983E+22	2,177532E+22
2184	2,409836E+22	2,541648E+22	2,586459E+22	2,586477E+22	2,541702E+22	2,409890E+22	2,177536E+22	1,906952E+22	1,719460E+22	1,719479E+22	1,906997E+22	2,177559E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409858E+22	2,541636E+22	2,586407E+22	2,586388E+22	2,541580E+22	2,409804E+22	2,177520E+22	1,906966E+22	1,719465E+22	1,719464E+22	1,906965E+22	2,177524E+22
2186	2,409816E+22	2,541569E+22	2,586327E+22	2,586360E+22	2,541620E+22	2,409863E+22	2,177561E+22	1,906981E+22	1,719449E+22	1,719421E+22	1,906912E+22	2,177490E+22
2187	2,409847E+22	2,541695E+22	2,586492E+22	2,586485E+22	2,541684E+22	2,409858E+22	2,177520E+22	1,906939E+22	1,719426E+22	1,719424E+22	1,906930E+22	2,177495E+22
2188	2,409810E+22	2,541609E+22	2,586380E+22	2,586349E+22	2,541548E+22	2,409773E+22	2,177483E+22	1,906929E+22	1,719423E+22	1,719419E+22	1,906927E+22	2,177491E+22
2189	2,409783E+22	2,541562E+22	2,586368E+22	2,586418E+22	2,541661E+22	2,409875E+22	2,177534E+22	1,906923E+22	1,719388E+22	1,719382E+22	1,906906E+22	2,177503E+22
2190	2,409846E+22	2,541654E+22	2,586435E+22	2,586450E+22	2,541653E+22	2,409830E+22	2,177490E+22	1,906888E+22	1,719363E+22	1,719379E+22	1,906920E+22	2,177509E+22
2191	2,409815E+22	2,541576E+22	2,586310E+22	2,586301E+22	2,541552E+22	2,409791E+22	2,177482E+22	1,906895E+22	1,719362E+22	1,719353E+22	1,906884E+22	2,177494E+22
2192	2,409838E+22	2,541652E+22	2,586443E+22	2,586440E+22	2,541664E+22	2,409871E+22	2,177511E+22	1,906886E+22	1,719349E+22	1,719354E+22	1,906895E+22	2,177507E+22
2193	2,409858E+22	2,541667E+22	2,586447E+22	2,586420E+22	2,541579E+22	2,409772E+22	2,177469E+22	1,906894E+22	1,719377E+22	1,719381E+22	1,906906E+22	2,177488E+22
2194	2,409800E+22	2,541569E+22	2,586327E+22	2,586361E+22	2,541611E+22	2,409826E+22	2,177506E+22	1,906922E+22	1,719395E+22	1,719382E+22	1,906891E+22	2,177471E+22
2195	2,409814E+22	2,541662E+22	2,586479E+22	2,586496E+22	2,541717E+22	2,409887E+22	2,177517E+22	1,906915E+22	1,719405E+22	1,719420E+22	1,906942E+22	2,177514E+22
2196	2,409821E+22	2,541603E+22	2,586375E+22	2,586357E+22	2,541562E+22	2,409793E+22	2,177504E+22	1,906948E+22	1,719453E+22	1,719460E+22	1,906967E+22	2,177523E+22
2197	2,409802E+22	2,541554E+22	2,586326E+22	2,586366E+22	2,541625E+22	2,409872E+22	2,177580E+22	1,907011E+22	1,719491E+22	1,719468E+22	1,906952E+22	2,177515E+22
2198	2,409849E+22	2,541667E+22	2,586447E+22	2,586444E+22	2,541646E+22	2,409839E+22	2,177542E+22	1,907004E+22	1,719523E+22	1,719527E+22	1,907008E+22	2,177534E+22
2199	2,409812E+22	2,541588E+22	2,586346E+22	2,586312E+22	2,541516E+22	2,409755E+22	2,177513E+22	1,907020E+22	1,719555E+22	1,719548E+22	1,907012E+22	2,177528E+22
2200	2,409805E+22	2,541603E+22	2,586420E+22	2,586440E+22	2,541649E+22	2,409855E+22	2,177554E+22	1,907020E+22	1,719554E+22	1,719563E+22	1,907040E+22	2,177558E+22
2201	2,409841E+22	2,541637E+22	2,586439E+22	2,586442E+22	2,541613E+22	2,409797E+22	2,177518E+22	1,907010E+22	1,719562E+22	1,719584E+22	1,907063E+22	2,177568E+22
2202	2,409813E+22	2,541553E+22	2,586299E+22	2,586316E+22	2,541581E+22	2,409830E+22	2,177554E+22	1,907028E+22	1,719549E+22	1,719542E+22	1,907010E+22	2,177535E+22
2203	2,409829E+22	2,541646E+22	2,586455E+22	2,586461E+22	2,541683E+22	2,409893E+22	2,177578E+22	1,907021E+22	1,719535E+22	1,719531E+22	1,907009E+22	2,177550E+22
2204	2,409852E+22	2,541636E+22	2,586405E+22	2,586376E+22	2,541550E+22	2,409770E+22	2,177522E+22	1,907015E+22	1,719543E+22	1,719537E+22	1,907001E+22	2,177521E+22
2205	2,409798E+22	2,541564E+22	2,586331E+22	2,586360E+22	2,541603E+22	2,409832E+22	2,177562E+22	1,907032E+22	1,719531E+22	1,719502E+22	1,906958E+22	2,177485E+22
2206	2,409802E+22	2,541646E+22	2,586463E+22	2,586476E+22	2,541686E+22	2,409858E+22	2,177529E+22	1,906978E+22	1,719498E+22	1,719510E+22	1,907000E+22	2,177524E+22
2207	2,409787E+22	2,541565E+22	2,586352E+22	2,586336E+22	2,541541E+22	2,409771E+22	2,177492E+22	1,906952E+22	1,719467E+22	1,719474E+22	1,906976E+22	2,177525E+22
2208	2,409798E+22	2,541560E+22	2,586355E+22	2,586397E+22	2,541637E+22	2,409862E+22	2,177550E+22	1,906959E+22	1,719440E+22	1,719442E+22	1,906956E+22	2,177530E+22
2209	2,409854E+22	2,541650E+22	2,586420E+22	2,586424E+22	2,541623E+22	2,409808E+22	2,177502E+22	1,906940E+22	1,719439E+22	1,719449E+22	1,906964E+22	2,177529E+22
2210	2,409829E+22	2,541594E+22	2,586311E+22	2,586281E+22	2,541538E+22	2,409791E+22	2,177498E+22	1,906938E+22	1,719428E+22	1,719416E+22	1,906914E+22	2,177481E+22
2211	2,409808E+22	2,541644E+22	2,586459E+22	2,586454E+22	2,541659E+22	2,409861E+22	2,177532E+22	1,906944E+22	1,719430E+22	1,719427E+22	1,906931E+22	2,177507E+22
2212	2,409838E+22	2,541641E+22	2,586434E+22	2,586425E+22	2,541584E+22	2,409758E+22	2,177468E+22	1,906933E+22	1,719455E+22	1,719467E+22	1,906968E+22	2,177513E+22
2213	2,409793E+22	2,541548E+22	2,586304E+22	2,586344E+22	2,541604E+22	2,409826E+22	2,177533E+22	1,906983E+22	1,719478E+22	1,719465E+22	1,906947E+22	2,177488E+22
2214	2,409796E+22	2,541625E+22	2,586437E+22	2,586459E+22	2,541694E+22	2,409890E+22	2,177558E+22	1,906988E+22	1,719496E+22	1,719507E+22	1,907003E+22	2,177539E+22
2215	2,409813E+22	2,541589E+22	2,586364E+22	2,586330E+22	2,541523E+22	2,409765E+22	2,177516E+22	1,907005E+22	1,719535E+22	1,719535E+22	1,907009E+22	2,177533E+22
2216	2,409801E+22	2,541564E+22	2,586343E+22	2,586360E+22	2,541591E+22	2,409836E+22	2,177580E+22	1,907057E+22	1,719578E+22	1,719565E+22	1,907016E+22	2,177523E+22
2217	2,409824E+22	2,541645E+22	2,586445E+22	2,586449E+22	2,541631E+22	2,409809E+22	2,177537E+22	1,907049E+22	1,719613E+22	1,719628E+22	1,907081E+22	2,177561E+22
2218	2,409803E+22	2,541570E+22	2,586326E+22	2,586304E+22	2,541533E+22	2,409774E+22	2,177525E+22	1,907052E+22	1,719619E+22	1,719622E+22	1,907066E+22	2,177544E+22
2219	2,409786E+22	2,541577E+22	2,586407E+22	2,586438E+22	2,541658E+22	2,409875E+22	2,177593E+22	1,907076E+22	1,719622E+22	1,719623E+22	1,907076E+22	2,177582E+22
2220	2,409854E+22	2,541625E+22	2,586413E+22	2,586420E+22	2,541599E+22	2,409788E+22	2,177537E+22	1,907063E+22	1,719633E+22	1,719648E+22	1,907101E+22	2,177587E+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°
2221	2,409824E+22	2,541561E+22	2,586294E+22	2,586292E+22	2,541555E+22	2,409815E+22	2,177582E+22	1,907100E+22	1,719635E+22	1,719611E+22	1,907041E+22	2,177527E+22
2222	2,409800E+22	2,541624E+22	2,586447E+22	2,586445E+22	2,541660E+22	2,409882E+22	2,177603E+22	1,907084E+22	1,719621E+22	1,719616E+22	1,907061E+22	2,177552E+22
2223	2,409815E+22	2,541606E+22	2,586407E+22	2,586377E+22	2,541531E+22	2,409742E+22	2,177517E+22	1,907049E+22	1,719608E+22	1,719608E+22	1,907052E+22	2,177536E+22
2224	2,409782E+22	2,541544E+22	2,586326E+22	2,586359E+22	2,541601E+22	2,409822E+22	2,177558E+22	1,907053E+22	1,719590E+22	1,719583E+22	1,907028E+22	2,177518E+22
2225	2,409794E+22	2,541610E+22	2,586424E+22	2,586447E+22	2,541672E+22	2,409853E+22	2,177538E+22	1,907010E+22	1,719555E+22	1,719577E+22	1,907059E+22	2,177569E+22
2226	2,409814E+22	2,541565E+22	2,586317E+22	2,586289E+22	2,541523E+22	2,409778E+22	2,177514E+22	1,906992E+22	1,719516E+22	1,719516E+22	1,907001E+22	2,177534E+22
2227	2,409803E+22	2,541572E+22	2,586366E+22	2,586386E+22	2,541612E+22	2,409845E+22	2,177571E+22	1,907016E+22	1,719509E+22	1,719489E+22	1,906967E+22	2,177528E+22
2228	2,409858E+22	2,541657E+22	2,586432E+22	2,586422E+22	2,541597E+22	2,409767E+22	2,177491E+22	1,906979E+22	1,719512E+22	1,719521E+22	1,907000E+22	2,177527E+22
2229	2,409812E+22	2,541591E+22	2,586329E+22	2,586294E+22	2,541534E+22	2,409770E+22	2,177505E+22	1,906992E+22	1,719509E+22	1,719496E+22	1,906960E+22	2,177474E+22
2230	2,409758E+22	2,541593E+22	2,586437E+22	2,586456E+22	2,541673E+22	2,409877E+22	2,177558E+22	1,906996E+22	1,719511E+22	1,719515E+22	1,906995E+22	2,177525E+22
2231	2,409804E+22	2,541595E+22	2,586408E+22	2,586410E+22	2,541581E+22	2,409765E+22	2,177493E+22	1,906982E+22	1,719522E+22	1,719537E+22	1,907018E+22	2,177537E+22
2232	2,409794E+22	2,541534E+22	2,586287E+22	2,586317E+22	2,541583E+22	2,409821E+22	2,177559E+22	1,907042E+22	1,719563E+22	1,719553E+22	1,907007E+22	2,177510E+22
2233	2,409791E+22	2,541602E+22	2,586406E+22	2,586421E+22	2,541660E+22	2,409870E+22	2,177577E+22	1,907057E+22	1,719599E+22	1,719605E+22	1,907067E+22	2,177567E+22
2234	2,409820E+22	2,541590E+22	2,586351E+22	2,586303E+22	2,541502E+22	2,409755E+22	2,177531E+22	1,907061E+22	1,719623E+22	1,719623E+22	1,907064E+22	2,177542E+22
2235	2,409781E+22	2,541552E+22	2,586356E+22	2,586372E+22	2,541581E+22	2,409813E+22	2,177588E+22	1,907114E+22	1,719666E+22	1,719650E+22	1,907072E+22	2,177551E+22
2236	2,409824E+22	2,541622E+22	2,586430E+22	2,586445E+22	2,541629E+22	2,409793E+22	2,177530E+22	1,907082E+22	1,719687E+22	1,719715E+22	1,907151E+22	2,177602E+22
2237	2,409817E+22	2,541566E+22	2,586317E+22	2,586289E+22	2,541522E+22	2,409777E+22	2,177554E+22	1,907105E+22	1,719687E+22	1,719690E+22	1,907112E+22	2,177562E+22
2238	2,409781E+22	2,541559E+22	2,586382E+22	2,586410E+22	2,541641E+22	2,409881E+22	2,177632E+22	1,907142E+22	1,719699E+22	1,719690E+22	1,907115E+22	2,177590E+22
2239	2,409843E+22	2,541623E+22	2,586420E+22	2,586407E+22	2,541574E+22	2,409770E+22	2,177549E+22	1,907114E+22	1,719704E+22	1,719706E+22	1,907124E+22	2,177580E+22
2240	2,409811E+22	2,541565E+22	2,586316E+22	2,586297E+22	2,541534E+22	2,409788E+22	2,177580E+22	1,907139E+22	1,719713E+22	1,719696E+22	1,907089E+22	2,177521E+22
2241	2,409760E+22	2,541579E+22	2,586426E+22	2,586442E+22	2,541653E+22	2,409867E+22	2,177604E+22	1,907126E+22	1,719700E+22	1,719702E+22	1,907124E+22	2,177575E+22
2242	2,409800E+22	2,541571E+22	2,586371E+22	2,586357E+22	2,541542E+22	2,409761E+22	2,177530E+22	1,907078E+22	1,719661E+22	1,719669E+22	1,907099E+22	2,177554E+22
2243	2,409769E+22	2,541515E+22	2,586304E+22	2,586340E+22	2,541585E+22	2,409822E+22	2,177584E+22	1,907101E+22	1,719647E+22	1,719630E+22	1,907060E+22	2,177548E+22
2244	2,409817E+22	2,541603E+22	2,586397E+22	2,586412E+22	2,541639E+22	2,409828E+22	2,177543E+22	1,907053E+22	1,719620E+22	1,719636E+22	1,907096E+22	2,177590E+22
2245	2,409835E+22	2,541587E+22	2,586328E+22	2,586270E+22	2,541487E+22	2,409753E+22	2,177527E+22	1,907047E+22	1,719588E+22	1,719579E+22	1,907027E+22	2,177525E+22
2246	2,409780E+22	2,541561E+22	2,586373E+22	2,586387E+22	2,541597E+22	2,409830E+22	2,177582E+22	1,907068E+22	1,719588E+22	1,719567E+22	1,907012E+22	2,177525E+22
2247	2,409821E+22	2,541634E+22	2,586446E+22	2,586441E+22	2,541601E+22	2,409751E+22	2,177483E+22	1,907010E+22	1,719576E+22	1,719589E+22	1,907046E+22	2,177538E+22
2248	2,409791E+22	2,541564E+22	2,586325E+22	2,586303E+22	2,541546E+22	2,409776E+22	2,177511E+22	1,907022E+22	1,719579E+22	1,719585E+22	1,907028E+22	2,177499E+22
2249	2,409739E+22	2,541540E+22	2,586387E+22	2,586424E+22	2,541665E+22	2,409890E+22	2,177591E+22	1,907054E+22	1,719590E+22	1,719597E+22	1,907060E+22	2,177563E+22
2250	2,409817E+22	2,541581E+22	2,586366E+22	2,586361E+22	2,541560E+22	2,409777E+22	2,177529E+22	1,907046E+22	1,719602E+22	1,719606E+22	1,907057E+22	2,177548E+22
2251	2,409791E+22	2,541535E+22	2,586290E+22	2,586298E+22	2,541545E+22	2,409798E+22	2,177583E+22	1,907116E+22	1,719660E+22	1,719631E+22	1,907044E+22	2,177525E+22
2252	2,409799E+22	2,541600E+22	2,586405E+22	2,586407E+22	2,541624E+22	2,409826E+22	2,177565E+22	1,907106E+22	1,719694E+22	1,719704E+22	1,907130E+22	2,177587E+22
2253	2,409818E+22	2,541587E+22	2,586360E+22	2,586308E+22	2,541489E+22	2,409733E+22	2,177535E+22	1,907113E+22	1,719708E+22	1,719714E+22	1,907126E+22	2,177557E+22
2254	2,409756E+22	2,541517E+22	2,586339E+22	2,586373E+22	2,541590E+22	2,409824E+22	2,177608E+22	1,907162E+22	1,719743E+22	1,719736E+22	1,907137E+22	2,177578E+22
2255	2,409811E+22	2,541600E+22	2,586421E+22	2,586433E+22	2,541619E+22	2,409794E+22	2,177550E+22	1,907127E+22	1,719749E+22	1,719774E+22	1,907190E+22	2,177622E+22
2256	2,409825E+22	2,541568E+22	2,586320E+22	2,586280E+22	2,541509E+22	2,409776E+22	2,177577E+22	1,907159E+22	1,719767E+22	1,719768E+22	1,907155E+22	2,177566E+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°
2257	2,409767E+22	2,541539E+22	2,586365E+22	2,586388E+22	2,541618E+22	2,409873E+22	2,177654E+22	1,907206E+22	1,719790E+22	1,719773E+22	1,907159E+22	2,177593E+22
2258	2,409829E+22	2,541609E+22	2,586404E+22	2,586389E+22	2,541562E+22	2,409767E+22	2,177565E+22	1,907165E+22	1,719781E+22	1,719780E+22	1,907164E+22	2,177573E+22
2259	2,409776E+22	2,541535E+22	2,586315E+22	2,586307E+22	2,541529E+22	2,409776E+22	2,177588E+22	1,907188E+22	1,719789E+22	1,719767E+22	1,907138E+22	2,177548E+22
2260	2,409757E+22	2,541541E+22	2,586386E+22	2,586419E+22	2,541639E+22	2,409852E+22	2,177597E+22	1,907152E+22	1,719762E+22	1,719778E+22	1,907187E+22	2,177617E+22
2261	2,409819E+22	2,541564E+22	2,586348E+22	2,586325E+22	2,541511E+22	2,409752E+22	2,177554E+22	1,907124E+22	1,719716E+22	1,719725E+22	1,907140E+22	2,177575E+22
2262	2,409775E+22	2,541507E+22	2,586288E+22	2,586314E+22	2,541556E+22	2,409810E+22	2,177601E+22	1,907151E+22	1,719712E+22	1,719688E+22	1,907093E+22	2,177554E+22
2263	2,409813E+22	2,541615E+22	2,586417E+22	2,586404E+22	2,541606E+22	2,409796E+22	2,177535E+22	1,907086E+22	1,719679E+22	1,719689E+22	1,907116E+22	2,177581E+22
2264	2,409824E+22	2,541597E+22	2,586362E+22	2,586295E+22	2,541482E+22	2,409733E+22	2,177517E+22	1,907072E+22	1,719657E+22	1,719658E+22	1,907070E+22	2,177515E+22
2265	2,409740E+22	2,541517E+22	2,586356E+22	2,586394E+22	2,541609E+22	2,409836E+22	2,177590E+22	1,907107E+22	1,719661E+22	1,719647E+22	1,907068E+22	2,177541E+22
2266	2,409800E+22	2,541593E+22	2,586405E+22	2,586427E+22	2,541622E+22	2,409788E+22	2,177515E+22	1,907054E+22	1,719638E+22	1,719653E+22	1,907090E+22	2,177551E+22
2267	2,409775E+22	2,541531E+22	2,586299E+22	2,586288E+22	2,541534E+22	2,409787E+22	2,177555E+22	1,907093E+22	1,719659E+22	1,719648E+22	1,907070E+22	2,177532E+22
2268	2,409757E+22	2,541520E+22	2,586344E+22	2,586377E+22	2,541624E+22	2,409870E+22	2,177609E+22	1,907120E+22	1,719685E+22	1,719685E+22	1,907115E+22	2,177590E+22
2269	2,409834E+22	2,541594E+22	2,586366E+22	2,586330E+22	2,541508E+22	2,409749E+22	2,177553E+22	1,907118E+22	1,719700E+22	1,719700E+22	1,907111E+22	2,177554E+22
2270	2,409774E+22	2,541523E+22	2,586293E+22	2,586292E+22	2,541514E+22	2,409769E+22	2,177587E+22	1,907174E+22	1,719759E+22	1,719733E+22	1,907113E+22	2,177540E+22
2271	2,409778E+22	2,541589E+22	2,586419E+22	2,586418E+22	2,541614E+22	2,409799E+22	2,177549E+22	1,907137E+22	1,719768E+22	1,719788E+22	1,907192E+22	2,177614E+22
2272	2,409818E+22	2,541580E+22	2,586367E+22	2,586323E+22	2,541497E+22	2,409733E+22	2,177532E+22	1,907136E+22	1,719777E+22	1,719802E+22	1,907189E+22	2,177582E+22
2273	2,409750E+22	2,541485E+22	2,586304E+22	2,586350E+22	2,541583E+22	2,409837E+22	2,177639E+22	1,907217E+22	1,719817E+22	1,719807E+22	1,907187E+22	2,177603E+22
2274	2,409821E+22	2,541596E+22	2,586397E+22	2,586407E+22	2,541611E+22	2,409809E+22	2,177586E+22	1,907189E+22	1,719822E+22	1,719831E+22	1,907211E+22	2,177611E+22
2275	2,409806E+22	2,541562E+22	2,586330E+22	2,586282E+22	2,541484E+22	2,409761E+22	2,177601E+22	1,907228E+22	1,719856E+22	1,719837E+22	1,907184E+22	2,177565E+22
2276	2,409749E+22	2,541512E+22	2,586347E+22	2,586378E+22	2,541594E+22	2,409845E+22	2,177652E+22	1,907254E+22	1,719880E+22	1,719867E+22	1,907218E+22	2,177601E+22
2277	2,409807E+22	2,541586E+22	2,586393E+22	2,586383E+22	2,541547E+22	2,409758E+22	2,177579E+22	1,907211E+22	1,719857E+22	1,719864E+22	1,907223E+22	2,177587E+22
2278	2,409748E+22	2,541489E+22	2,586279E+22	2,586290E+22	2,541522E+22	2,409781E+22	2,177606E+22	1,907229E+22	1,719856E+22	1,719842E+22	1,907198E+22	2,177575E+22
2279	2,409754E+22	2,541528E+22	2,586367E+22	2,586391E+22	2,541609E+22	2,409837E+22	2,177603E+22	1,907184E+22	1,719812E+22	1,719827E+22	1,907223E+22	2,177642E+22
2280	2,409840E+22	2,541579E+22	2,586351E+22	2,586315E+22	2,541488E+22	2,409735E+22	2,177554E+22	1,907155E+22	1,719780E+22	1,719791E+22	1,907175E+22	2,177580E+22
2281	2,409770E+22	2,541502E+22	2,586281E+22	2,586300E+22	2,541534E+22	2,409798E+22	2,177612E+22	1,907194E+22	1,719781E+22	1,719756E+22	1,907132E+22	2,177559E+22
2282	2,409804E+22	2,541609E+22	2,586415E+22	2,586409E+22	2,541606E+22	2,409796E+22	2,177546E+22	1,907124E+22	1,719740E+22	1,719748E+22	1,907147E+22	2,177572E+22
2283	2,409790E+22	2,541571E+22	2,586367E+22	2,586321E+22	2,541493E+22	2,409737E+22	2,177532E+22	1,907117E+22	1,719726E+22	1,719722E+22	1,907116E+22	2,177539E+22
2284	2,409733E+22	2,541477E+22	2,586309E+22	2,586370E+22	2,541603E+22	2,409842E+22	2,177606E+22	1,907148E+22	1,719733E+22	1,719728E+22	1,907128E+22	2,177572E+22
2285	2,409810E+22	2,541581E+22	2,586374E+22	2,586387E+22	2,541586E+22	2,409791E+22	2,177561E+22	1,907122E+22	1,719716E+22	1,719724E+22	1,907135E+22	2,177567E+22
2286	2,409774E+22	2,541519E+22	2,586277E+22	2,586259E+22	2,541495E+22	2,409770E+22	2,177580E+22	1,907164E+22	1,719754E+22	1,719732E+22	1,907117E+22	2,177540E+22
2287	2,409751E+22	2,541532E+22	2,586356E+22	2,586359E+22	2,541571E+22	2,409822E+22	2,177600E+22	1,907166E+22	1,719769E+22	1,719768E+22	1,907162E+22	2,177596E+22
2288	2,409827E+22	2,541600E+22	2,586390E+22	2,586350E+22	2,541495E+22	2,409718E+22	2,177535E+22	1,907148E+22	1,719787E+22	1,719804E+22	1,907178E+22	2,177564E+22
2289	2,409746E+22	2,541489E+22	2,586278E+22	2,586299E+22	2,541523E+22	2,409769E+22	2,177589E+22	1,907207E+22	1,719834E+22	1,719823E+22	1,907183E+22	2,177569E+22
2290	2,409769E+22	2,541559E+22	2,586386E+22	2,586409E+22	2,541627E+22	2,409823E+22	2,177577E+22	1,907179E+22	1,719830E+22	1,719852E+22	1,907234E+22	2,177627E+22
2291	2,409808E+22	2,541560E+22	2,586355E+22	2,586324E+22	2,541496E+22	2,409747E+22	2,177576E+22	1,907206E+22	1,719855E+22	1,719860E+22	1,907224E+22	2,177604E+22
2292	2,409760E+22	2,541471E+22	2,586271E+22	2,586317E+22	2,541556E+22	2,409829E+22	2,177663E+22	1,907284E+22	1,719912E+22	1,719893E+22	1,907232E+22	2,177609E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2293	2,409817E+22	2,541598E+22	2,586396E+22	2,586386E+22	2,541571E+22	2,409797E+22	2,177623E+22	1,907263E+22	1,719918E+22	1,719920E+22	1,907258E+22	2,177605E+22
2294	2,409771E+22	2,541531E+22	2,586321E+22	2,586282E+22	2,541466E+22	2,409741E+22	2,177614E+22	1,907289E+22	1,719951E+22	1,719935E+22	1,907250E+22	2,177575E+22
2295	2,409720E+22	2,541485E+22	2,586333E+22	2,586368E+22	2,541575E+22	2,409820E+22	2,177640E+22	1,907281E+22	1,719946E+22	1,719948E+22	1,907282E+22	2,177634E+22
2296	2,409809E+22	2,541570E+22	2,586375E+22	2,586373E+22	2,541540E+22	2,409753E+22	2,177576E+22	1,907230E+22	1,719916E+22	1,719943E+22	1,907285E+22	2,177620E+22
2297	2,409754E+22	2,541472E+22	2,586242E+22	2,586253E+22	2,541497E+22	2,409777E+22	2,177624E+22	1,907267E+22	1,719911E+22	1,719898E+22	1,907241E+22	2,177604E+22
2298	2,409777E+22	2,541541E+22	2,586355E+22	2,586368E+22	2,541587E+22	2,409827E+22	2,177617E+22	1,907225E+22	1,719866E+22	1,719868E+22	1,907234E+22	2,177632E+22
2299	2,409832E+22	2,541591E+22	2,586379E+22	2,586336E+22	2,541476E+22	2,409716E+22	2,177563E+22	1,907201E+22	1,719844E+22	1,719839E+22	1,907195E+22	2,177579E+22
2300	2,409755E+22	2,541485E+22	2,586273E+22	2,586306E+22	2,541529E+22	2,409781E+22	2,177611E+22	1,907230E+22	1,719852E+22	1,719832E+22	1,907178E+22	2,177561E+22
2301	2,409778E+22	2,541587E+22	2,586408E+22	2,586411E+22	2,541605E+22	2,409808E+22	2,177579E+22	1,907171E+22	1,719806E+22	1,719818E+22	1,907194E+22	2,177577E+22
2302	2,409757E+22	2,541524E+22	2,586330E+22	2,586307E+22	2,541490E+22	2,409751E+22	2,177569E+22	1,907175E+22	1,719802E+22	1,719800E+22	1,907170E+22	2,177556E+22
2303	2,409723E+22	2,541462E+22	2,586280E+22	2,586333E+22	2,541568E+22	2,409827E+22	2,177625E+22	1,907201E+22	1,719807E+22	1,719798E+22	1,907174E+22	2,177593E+22
2304	2,409819E+22	2,541588E+22	2,586369E+22	2,586368E+22	2,541555E+22	2,409766E+22	2,177561E+22	1,907168E+22	1,719806E+22	1,719817E+22	1,907188E+22	2,177575E+22
2305	2,409762E+22	2,541506E+22	2,586263E+22	2,586236E+22	2,541461E+22	2,409744E+22	2,177586E+22	1,907214E+22	1,719842E+22	1,719825E+22	1,907180E+22	2,177559E+22
2306	2,409745E+22	2,541523E+22	2,586352E+22	2,586365E+22	2,541565E+22	2,409802E+22	2,177598E+22	1,907204E+22	1,719842E+22	1,719846E+22	1,907214E+22	2,177606E+22
2307	2,409805E+22	2,541580E+22	2,586394E+22	2,586376E+22	2,541509E+22	2,409716E+22	2,177541E+22	1,907187E+22	1,719856E+22	1,719875E+22	1,907238E+22	2,177603E+22
2308	2,409749E+22	2,541460E+22	2,586240E+22	2,586279E+22	2,541519E+22	2,409778E+22	2,177612E+22	1,907251E+22	1,719905E+22	1,719903E+22	1,907244E+22	2,177602E+22
2309	2,409782E+22	2,541559E+22	2,586371E+22	2,586379E+22	2,541596E+22	2,409834E+22	2,177633E+22	1,907252E+22	1,719909E+22	1,719921E+22	1,907272E+22	2,177631E+22
2310	2,409796E+22	2,541549E+22	2,586343E+22	2,586308E+22	2,541472E+22	2,409739E+22	2,177612E+22	1,907286E+22	1,719957E+22	1,719947E+22	1,907263E+22	2,177594E+22
2311	2,409738E+22	2,541473E+22	2,586276E+22	2,586302E+22	2,541521E+22	2,409795E+22	2,177665E+22	1,907337E+22	1,720003E+22	1,719981E+22	1,907280E+22	2,177608E+22
2312	2,409790E+22	2,541582E+22	2,586400E+22	2,586398E+22	2,541565E+22	2,409773E+22	2,177612E+22	1,907301E+22	1,720008E+22	1,720023E+22	1,907325E+22	2,177617E+22
2313	2,409737E+22	2,541484E+22	2,586284E+22	2,586269E+22	2,541466E+22	2,409741E+22	2,177624E+22	1,907326E+22	1,720023E+22	1,720020E+22	1,907322E+22	2,177615E+22
2314	2,409721E+22	2,541457E+22	2,586294E+22	2,586344E+22	2,541566E+22	2,409822E+22	2,177661E+22	1,907319E+22	1,719998E+22	1,720001E+22	1,907323E+22	2,177658E+22
2315	2,409815E+22	2,541566E+22	2,586366E+22	2,586364E+22	2,541526E+22	2,409748E+22	2,177600E+22	1,907281E+22	1,719974E+22	1,719988E+22	1,907318E+22	2,177648E+22
2316	2,409774E+22	2,541478E+22	2,586228E+22	2,586225E+22	2,541468E+22	2,409759E+22	2,177633E+22	1,907310E+22	1,719980E+22	1,719964E+22	1,907276E+22	2,177610E+22
2317	2,409778E+22	2,541558E+22	2,586373E+22	2,586359E+22	2,541553E+22	2,409813E+22	2,177646E+22	1,907278E+22	1,719936E+22	1,719934E+22	1,907266E+22	2,177619E+22
2318	2,409796E+22	2,541568E+22	2,586384E+22	2,586359E+22	2,541484E+22	2,409707E+22	2,177574E+22	1,907251E+22	1,719921E+22	1,719916E+22	1,907242E+22	2,177576E+22
2319	2,409723E+22	2,541463E+22	2,586261E+22	2,586302E+22	2,541527E+22	2,409770E+22	2,177607E+22	1,907256E+22	1,719911E+22	1,719901E+22	1,907231E+22	2,177581E+22
2320	2,409765E+22	2,541559E+22	2,586383E+22	2,586398E+22	2,541603E+22	2,409812E+22	2,177591E+22	1,907206E+22	1,719872E+22	1,719895E+22	1,907248E+22	2,177599E+22
2321	2,409750E+22	2,541496E+22	2,586287E+22	2,586265E+22	2,541464E+22	2,409747E+22	2,177597E+22	1,907229E+22	1,719872E+22	1,719868E+22	1,907220E+22	2,177582E+22
2322	2,409733E+22	2,541460E+22	2,586260E+22	2,586300E+22	2,541530E+22	2,409799E+22	2,177636E+22	1,907252E+22	1,719880E+22	1,719862E+22	1,907205E+22	2,177591E+22
2323	2,409806E+22	2,541590E+22	2,586385E+22	2,586377E+22	2,541535E+22	2,409738E+22	2,177565E+22	1,907216E+22	1,719882E+22	1,719890E+22	1,907238E+22	2,177594E+22
2324	2,409751E+22	2,541489E+22	2,586252E+22	2,586235E+22	2,541454E+22	2,409723E+22	2,177578E+22	1,907247E+22	1,719918E+22	1,719915E+22	1,907245E+22	2,177581E+22
2325	2,409734E+22	2,541509E+22	2,586347E+22	2,586361E+22	2,541559E+22	2,409811E+22	2,177630E+22	1,907251E+22	1,719912E+22	1,719922E+22	1,907268E+22	2,177624E+22
2326	2,409787E+22	2,541546E+22	2,586369E+22	2,586372E+22	2,541515E+22	2,409731E+22	2,177582E+22	1,907253E+22	1,719937E+22	1,719952E+22	1,907286E+22	2,177615E+22
2327	2,409745E+22	2,541459E+22	2,586224E+22	2,586249E+22	2,541491E+22	2,409767E+22	2,177637E+22	1,907315E+22	1,719989E+22	1,719977E+22	1,907287E+22	2,177612E+22
2328	2,409777E+22	2,541560E+22	2,586372E+22	2,586368E+22	2,541574E+22	2,409819E+22	2,177649E+22	1,907315E+22	1,720012E+22	1,720019E+22	1,907322E+22	2,177629E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409769E+22	2,541527E+22	2,586328E+22	2,586289E+22	2,541447E+22	2,409722E+22	2,177632E+22	1,907351E+22	1,720056E+22	1,720048E+22	1,907331E+22	2,177611E+22
2330	2,409717E+22	2,541446E+22	2,586259E+22	2,586298E+22	2,541512E+22	2,409774E+22	2,177667E+22	1,907383E+22	1,720084E+22	1,720067E+22	1,907340E+22	2,177626E+22
2331	2,409770E+22	2,541552E+22	2,586387E+22	2,586403E+22	2,541571E+22	2,409771E+22	2,177618E+22	1,907337E+22	1,720072E+22	1,720095E+22	1,907392E+22	2,177668E+22
2332	2,409749E+22	2,541459E+22	2,586241E+22	2,586232E+22	2,541446E+22	2,409737E+22	2,177639E+22	1,907363E+22	1,720084E+22	1,720089E+22	1,907380E+22	2,177656E+22
2333	2,409748E+22	2,541473E+22	2,586291E+22	2,586312E+22	2,541524E+22	2,409811E+22	2,177697E+22	1,907375E+22	1,720060E+22	1,720053E+22	1,907350E+22	2,177663E+22
2334	2,409813E+22	2,541571E+22	2,586375E+22	2,586360E+22	2,541505E+22	2,409728E+22	2,177615E+22	1,907338E+22	1,720051E+22	1,720052E+22	1,907341E+22	2,177630E+22
2335	2,409755E+22	2,541491E+22	2,586251E+22	2,586229E+22	2,541448E+22	2,409729E+22	2,177625E+22	1,907343E+22	1,720045E+22	1,720030E+22	1,907311E+22	2,177601E+22
2336	2,409746E+22	2,541541E+22	2,586385E+22	2,586385E+22	2,541569E+22	2,409803E+22	2,177634E+22	1,907304E+22	1,720004E+22	1,720011E+22	1,907312E+22	2,177617E+22
2337	2,409751E+22	2,541512E+22	2,586343E+22	2,586344E+22	2,541496E+22	2,409724E+22	2,177597E+22	1,907289E+22	1,719982E+22	1,719986E+22	1,907297E+22	2,177602E+22
2338	2,409712E+22	2,541422E+22	2,586215E+22	2,586272E+22	2,541520E+22	2,409778E+22	2,177637E+22	1,907304E+22	1,719968E+22	1,719953E+22	1,907266E+22	2,177598E+22
2339	2,409761E+22	2,541540E+22	2,586358E+22	2,586375E+22	2,541585E+22	2,409805E+22	2,177616E+22	1,907263E+22	1,719939E+22	1,719951E+22	1,907292E+22	2,177630E+22
2340	2,409760E+22	2,541490E+22	2,586262E+22	2,586222E+22	2,541424E+22	2,409722E+22	2,177607E+22	1,907282E+22	1,719955E+22	1,719951E+22	1,907274E+22	2,177602E+22
2341	2,409738E+22	2,541473E+22	2,586277E+22	2,586284E+22	2,541485E+22	2,409769E+22	2,177654E+22	1,907306E+22	1,719959E+22	1,719942E+22	1,907257E+22	2,177598E+22
2342	2,409782E+22	2,541569E+22	2,586389E+22	2,586391E+22	2,541536E+22	2,409722E+22	2,177569E+22	1,907264E+22	1,719966E+22	1,719979E+22	1,907296E+22	2,177607E+22
2343	2,409738E+22	2,541482E+22	2,586247E+22	2,586228E+22	2,541451E+22	2,409716E+22	2,177578E+22	1,907276E+22	1,719982E+22	1,719991E+22	1,907303E+22	2,177609E+22
2344	2,409736E+22	2,541499E+22	2,586336E+22	2,586353E+22	2,541559E+22	2,409815E+22	2,177647E+22	1,907300E+22	1,719989E+22	1,719998E+22	1,907316E+22	2,177639E+22
2345	2,409781E+22	2,541528E+22	2,586341E+22	2,586342E+22	2,541499E+22	2,409733E+22	2,177620E+22	1,907326E+22	1,720026E+22	1,720028E+22	1,907330E+22	2,177628E+22
2346	2,409740E+22	2,541451E+22	2,586219E+22	2,586234E+22	2,541466E+22	2,409747E+22	2,177657E+22	1,907382E+22	1,720081E+22	1,720056E+22	1,907322E+22	2,177603E+22
2347	2,409746E+22	2,541540E+22	2,586380E+22	2,586381E+22	2,541568E+22	2,409802E+22	2,177660E+22	1,907375E+22	1,720101E+22	1,720108E+22	1,907385E+22	2,177649E+22
2348	2,409743E+22	2,541489E+22	2,586303E+22	2,586276E+22	2,541440E+22	2,409711E+22	2,177635E+22	1,907396E+22	1,720143E+22	1,720149E+22	1,907410E+22	2,177645E+22
2349	2,409710E+22	2,541424E+22	2,586241E+22	2,586271E+22	2,541488E+22	2,409777E+22	2,177698E+22	1,907432E+22	1,720156E+22	1,720146E+22	1,907401E+22	2,177656E+22
2350	2,409765E+22	2,541525E+22	2,586361E+22	2,586385E+22	2,541562E+22	2,409774E+22	2,177649E+22	1,907397E+22	1,720149E+22	1,720166E+22	1,907437E+22	2,177686E+22
2351	2,409765E+22	2,541476E+22	2,586238E+22	2,586203E+22	2,541413E+22	2,409713E+22	2,177641E+22	1,907404E+22	1,720148E+22	1,720149E+22	1,907413E+22	2,177667E+22
2352	2,409755E+22	2,541487E+22	2,586307E+22	2,586312E+22	2,541506E+22	2,409787E+22	2,177693E+22	1,907417E+22	1,720137E+22	1,720124E+22	1,907383E+22	2,177656E+22
2353	2,409787E+22	2,541553E+22	2,586373E+22	2,586362E+22	2,541501E+22	2,409718E+22	2,177626E+22	1,907382E+22	1,720120E+22	1,720122E+22	1,907386E+22	2,177635E+22
2354	2,409726E+22	2,541456E+22	2,586243E+22	2,586239E+22	2,541455E+22	2,409719E+22	2,177624E+22	1,907374E+22	1,720103E+22	1,720091E+22	1,907351E+22	2,177607E+22
2355	2,409715E+22	2,541496E+22	2,586361E+22	2,586386E+22	2,541585E+22	2,409821E+22	2,177654E+22	1,907338E+22	1,720054E+22	1,720067E+22	1,907366E+22	2,177653E+22
2356	2,409750E+22	2,541478E+22	2,586293E+22	2,586295E+22	2,541472E+22	2,409728E+22	2,177624E+22	1,907337E+22	1,720045E+22	1,720050E+22	1,907347E+22	2,177634E+22
2357	2,409731E+22	2,541429E+22	2,586202E+22	2,586221E+22	2,541463E+22	2,409763E+22	2,177671E+22	1,907367E+22	1,720041E+22	1,720013E+22	1,907297E+22	2,177604E+22
2358	2,409758E+22	2,541537E+22	2,586359E+22	2,586360E+22	2,541553E+22	2,409776E+22	2,177625E+22	1,907323E+22	1,720027E+22	1,720028E+22	1,907325E+22	2,177623E+22
2359	2,409751E+22	2,541501E+22	2,586278E+22	2,586220E+22	2,541396E+22	2,409680E+22	2,177587E+22	1,907311E+22	1,720026E+22	1,720030E+22	1,907325E+22	2,177612E+22
2360	2,409720E+22	2,541461E+22	2,586291E+22	2,586308E+22	2,541495E+22	2,409752E+22	2,177635E+22	1,907334E+22	1,720034E+22	1,720025E+22	1,907313E+22	2,177613E+22
2361	2,409757E+22	2,541530E+22	2,586363E+22	2,586382E+22	2,541547E+22	2,409739E+22	2,177594E+22	1,907309E+22	1,720033E+22	1,720053E+22	1,907354E+22	2,177636E+22
2362	2,409734E+22	2,541452E+22	2,586225E+22	2,586217E+22	2,541447E+22	2,409722E+22	2,177610E+22	1,907335E+22	1,720054E+22	1,720053E+22	1,907339E+22	2,177619E+22
2363	2,409729E+22	2,541484E+22	2,586325E+22	2,586343E+22	2,541555E+22	2,409820E+22	2,177680E+22	1,907369E+22	1,720073E+22	1,720072E+22	1,907362E+22	2,177656E+22
2364	2,409773E+22	2,541512E+22	2,586320E+22	2,586307E+22	2,541469E+22	2,409723E+22	2,177644E+22	1,907397E+22	1,720131E+22	1,720131E+22	1,907393E+22	2,177643E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409730E+22	2,541445E+22	2,586225E+22	2,586218E+22	2,541429E+22	2,409729E+22	2,177684E+22	1,907451E+22	1,720180E+22	1,720155E+22	1,907387E+22	2,177618E+22
2366	2,409719E+22	2,541500E+22	2,586362E+22	2,586383E+22	2,541567E+22	2,409789E+22	2,177667E+22	1,907430E+22	1,720196E+22	1,720208E+22	1,907454E+22	2,177674E+22
2367	2,409741E+22	2,541474E+22	2,586279E+22	2,586251E+22	2,541422E+22	2,409699E+22	2,177635E+22	1,907426E+22	1,720209E+22	1,720230E+22	1,907478E+22	2,177689E+22
2368	2,409729E+22	2,541423E+22	2,586231E+22	2,586255E+22	2,541470E+22	2,409761E+22	2,177700E+22	1,907472E+22	1,720225E+22	1,720212E+22	1,907446E+22	2,177677E+22
2369	2,409772E+22	2,541522E+22	2,586344E+22	2,586352E+22	2,541532E+22	2,409762E+22	2,177668E+22	1,907450E+22	1,720220E+22	1,720227E+22	1,907469E+22	2,177693E+22
2370	2,409763E+22	2,541477E+22	2,586253E+22	2,586208E+22	2,541394E+22	2,409689E+22	2,177644E+22	1,907446E+22	1,720214E+22	1,720204E+22	1,907430E+22	2,177648E+22
2371	2,409725E+22	2,541472E+22	2,586323E+22	2,586339E+22	2,541518E+22	2,409781E+22	2,177695E+22	1,907452E+22	1,720195E+22	1,720184E+22	1,907424E+22	2,177660E+22
2372	2,409754E+22	2,541510E+22	2,586345E+22	2,586353E+22	2,541509E+22	2,409728E+22	2,177638E+22	1,907421E+22	1,720187E+22	1,720196E+22	1,907440E+22	2,177654E+22
2373	2,409711E+22	2,541426E+22	2,586219E+22	2,586211E+22	2,541437E+22	2,409738E+22	2,177666E+22	1,907426E+22	1,720164E+22	1,720151E+22	1,907393E+22	2,177624E+22
2374	2,409703E+22	2,541456E+22	2,586321E+22	2,586356E+22	2,541568E+22	2,409825E+22	2,177689E+22	1,907404E+22	1,720131E+22	1,720133E+22	1,907400E+22	2,177662E+22
2375	2,409760E+22	2,541486E+22	2,586276E+22	2,586252E+22	2,541425E+22	2,409701E+22	2,177627E+22	1,907382E+22	1,720118E+22	1,720121E+22	1,907390E+22	2,177649E+22
2376	2,409738E+22	2,541442E+22	2,586216E+22	2,586212E+22	2,541428E+22	2,409721E+22	2,177656E+22	1,907409E+22	1,720125E+22	1,720094E+22	1,907343E+22	2,177609E+22
2377	2,409742E+22	2,541524E+22	2,586359E+22	2,586357E+22	2,541536E+22	2,409752E+22	2,177623E+22	1,907366E+22	1,720104E+22	1,720110E+22	1,907384E+22	2,177643E+22
2378	2,409738E+22	2,541474E+22	2,586280E+22	2,586242E+22	2,541405E+22	2,409667E+22	2,177576E+22	1,907336E+22	1,720085E+22	1,720096E+22	1,907372E+22	2,177630E+22
2379	2,409708E+22	2,541432E+22	2,586278E+22	2,586318E+22	2,541517E+22	2,409774E+22	2,177655E+22	1,907368E+22	1,720084E+22	1,720086E+22	1,907370E+22	2,177648E+22
2380	2,409761E+22	2,541508E+22	2,586328E+22	2,586346E+22	2,541533E+22	2,409754E+22	2,177632E+22	1,907372E+22	1,720110E+22	1,720124E+22	1,907402E+22	2,177659E+22
2381	2,409745E+22	2,541458E+22	2,586223E+22	2,586181E+22	2,541403E+22	2,409719E+22	2,177654E+22	1,907414E+22	1,720149E+22	1,720131E+22	1,907375E+22	2,177616E+22
2382	2,409708E+22	2,541465E+22	2,586320E+22	2,586337E+22	2,541536E+22	2,409808E+22	2,177705E+22	1,907447E+22	1,720185E+22	1,720173E+22	1,907407E+22	2,177646E+22
2383	2,409752E+22	2,541505E+22	2,586320E+22	2,586300E+22	2,541445E+22	2,409693E+22	2,177635E+22	1,907441E+22	1,720223E+22	1,720233E+22	1,907463E+22	2,177662E+22
2384	2,409711E+22	2,541418E+22	2,586216E+22	2,586220E+22	2,541423E+22	2,409710E+22	2,177673E+22	1,907491E+22	1,720268E+22	1,720250E+22	1,907457E+22	2,177647E+22
2385	2,409707E+22	2,541461E+22	2,586321E+22	2,586354E+22	2,541554E+22	2,409795E+22	2,177692E+22	1,907480E+22	1,720269E+22	1,720285E+22	1,907516E+22	2,177713E+22
2386	2,409752E+22	2,541455E+22	2,586260E+22	2,586237E+22	2,541400E+22	2,409684E+22	2,177649E+22	1,907473E+22	1,720272E+22	1,720285E+22	1,907510E+22	2,177703E+22
2387	2,409737E+22	2,541427E+22	2,586233E+22	2,586252E+22	2,541460E+22	2,409757E+22	2,177715E+22	1,907518E+22	1,720288E+22	1,720273E+22	1,907485E+22	2,177688E+22
2388	2,409767E+22	2,541521E+22	2,586343E+22	2,586334E+22	2,541507E+22	2,409753E+22	2,177684E+22	1,907503E+22	1,720300E+22	1,720305E+22	1,907514E+22	2,177696E+22
2389	2,409746E+22	2,541472E+22	2,586267E+22	2,586210E+22	2,541375E+22	2,409684E+22	2,177665E+22	1,907498E+22	1,720291E+22	1,720278E+22	1,907472E+22	2,177646E+22
2390	2,409688E+22	2,541426E+22	2,586301E+22	2,586348E+22	2,541534E+22	2,409791E+22	2,177711E+22	1,907500E+22	1,720273E+22	1,720261E+22	1,907467E+22	2,177665E+22
2391	2,409743E+22	2,541486E+22	2,586310E+22	2,586323E+22	2,541492E+22	2,409728E+22	2,177649E+22	1,907453E+22	1,720245E+22	1,720262E+22	1,907493E+22	2,177684E+22
2392	2,409720E+22	2,541416E+22	2,586198E+22	2,586185E+22	2,541405E+22	2,409717E+22	2,177675E+22	1,907476E+22	1,720235E+22	1,720212E+22	1,907432E+22	2,177641E+22
2393	2,409707E+22	2,541449E+22	2,586297E+22	2,586317E+22	2,541523E+22	2,409801E+22	2,177703E+22	1,907458E+22	1,720207E+22	1,720201E+22	1,907439E+22	2,177672E+22
2394	2,409757E+22	2,541481E+22	2,586288E+22	2,586259E+22	2,541396E+22	2,409662E+22	2,177615E+22	1,907414E+22	1,720184E+22	1,720187E+22	1,907425E+22	2,177646E+22
2395	2,409720E+22	2,541433E+22	2,586231E+22	2,586243E+22	2,541441E+22	2,409711E+22	2,177644E+22	1,907426E+22	1,720176E+22	1,720163E+22	1,907401E+22	2,177628E+22
2396	2,409722E+22	2,541493E+22	2,586336E+22	2,586349E+22	2,541541E+22	2,409764E+22	2,177635E+22	1,907399E+22	1,720168E+22	1,720186E+22	1,907443E+22	2,177672E+22
2397	2,409737E+22	2,541459E+22	2,586266E+22	2,586227E+22	2,541397E+22	2,409694E+22	2,177621E+22	1,907391E+22	1,720152E+22	1,720158E+22	1,907412E+22	2,177644E+22
2398	2,409702E+22	2,541406E+22	2,586249E+22	2,586302E+22	2,541512E+22	2,409787E+22	2,177698E+22	1,907444E+22	1,720175E+22	1,720158E+22	1,907397E+22	2,177645E+22
2399	2,409762E+22	2,541511E+22	2,586312E+22	2,586312E+22	2,541495E+22	2,409740E+22	2,177652E+22	1,907434E+22	1,720204E+22	1,720212E+22	1,907452E+22	2,177667E+22
2400	2,409737E+22	2,541457E+22	2,586231E+22	2,586179E+22	2,541370E+22	2,409684E+22	2,177658E+22	1,907479E+22	1,720254E+22	1,720231E+22	1,907434E+22	2,177622E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409681E+22	2,541431E+22	2,586296E+22	2,586321E+22	2,541511E+22	2,409785E+22	2,177712E+22	1,907505E+22	1,720283E+22	1,720277E+22	1,907484E+22	2,177673E+22
2402	2,409733E+22	2,541465E+22	2,586302E+22	2,586303E+22	2,541437E+22	2,409677E+22	2,177630E+22	1,907474E+22	1,720297E+22	1,720318E+22	1,907528E+22	2,177694E+22
2403	2,409713E+22	2,541399E+22	2,586196E+22	2,586212E+22	2,541424E+22	2,409716E+22	2,177684E+22	1,907520E+22	1,720321E+22	1,720320E+22	1,907523E+22	2,177689E+22
2404	2,409724E+22	2,541456E+22	2,586294E+22	2,586313E+22	2,541519E+22	2,409790E+22	2,177719E+22	1,907538E+22	1,720345E+22	1,720354E+22	1,907561E+22	2,177735E+22
2405	2,409770E+22	2,541477E+22	2,586274E+22	2,586220E+22	2,541365E+22	2,409675E+22	2,177676E+22	1,907535E+22	1,720353E+22	1,720350E+22	1,907533E+22	2,177690E+22
2406	2,409715E+22	2,541418E+22	2,586244E+22	2,586268E+22	2,541457E+22	2,409748E+22	2,177731E+22	1,907578E+22	1,720377E+22	1,720352E+22	1,907511E+22	2,177664E+22
2407	2,409738E+22	2,541508E+22	2,586343E+22	2,586339E+22	2,541501E+22	2,409743E+22	2,177684E+22	1,907537E+22	1,720372E+22	1,720386E+22	1,907568E+22	2,177703E+22
2408	2,409717E+22	2,541438E+22	2,586253E+22	2,586218E+22	2,541379E+22	2,409681E+22	2,177672E+22	1,907540E+22	1,720364E+22	1,720353E+22	1,907526E+22	2,177663E+22
2409	2,409667E+22	2,541377E+22	2,586245E+22	2,586310E+22	2,541519E+22	2,409803E+22	2,177746E+22	1,907554E+22	1,720342E+22	1,720331E+22	1,907520E+22	2,177692E+22
2410	2,409742E+22	2,541459E+22	2,586281E+22	2,586301E+22	2,541463E+22	2,409710E+22	2,177661E+22	1,907497E+22	1,720308E+22	1,720319E+22	1,907526E+22	2,177697E+22
2411	2,409728E+22	2,541419E+22	2,586191E+22	2,586172E+22	2,541384E+22	2,409701E+22	2,177678E+22	1,907508E+22	1,720293E+22	1,720278E+22	1,907482E+22	2,177659E+22
2412	2,409707E+22	2,541451E+22	2,586294E+22	2,586297E+22	2,541485E+22	2,409776E+22	2,177708E+22	1,907500E+22	1,720280E+22	1,720278E+22	1,907493E+22	2,177691E+22
2413	2,409754E+22	2,541484E+22	2,586301E+22	2,586263E+22	2,541381E+22	2,409650E+22	2,177619E+22	1,907449E+22	1,720248E+22	1,720255E+22	1,907471E+22	2,177657E+22
2414	2,409701E+22	2,541403E+22	2,586217E+22	2,586256E+22	2,541462E+22	2,409727E+22	2,177660E+22	1,907463E+22	1,720242E+22	1,720232E+22	1,907440E+22	2,177639E+22
2415	2,409726E+22	2,541486E+22	2,586312E+22	2,586326E+22	2,541527E+22	2,409772E+22	2,177656E+22	1,907434E+22	1,720224E+22	1,720247E+22	1,907488E+22	2,177693E+22
2416	2,409744E+22	2,541458E+22	2,586255E+22	2,586210E+22	2,541369E+22	2,409676E+22	2,177643E+22	1,907458E+22	1,720236E+22	1,720225E+22	1,907444E+22	2,177645E+22
2417	2,409691E+22	2,541393E+22	2,586225E+22	2,586270E+22	2,541476E+22	2,409773E+22	2,177726E+22	1,907518E+22	1,720274E+22	1,720245E+22	1,907440E+22	2,177641E+22
2418	2,409733E+22	2,541488E+22	2,586315E+22	2,586321E+22	2,541469E+22	2,409704E+22	2,177649E+22	1,907484E+22	1,720293E+22	1,720302E+22	1,907502E+22	2,177666E+22
2419	2,409706E+22	2,541429E+22	2,586227E+22	2,586196E+22	2,541377E+22	2,409673E+22	2,177654E+22	1,907512E+22	1,720327E+22	1,720326E+22	1,907514E+22	2,177652E+22
2420	2,409663E+22	2,541396E+22	2,586261E+22	2,586295E+22	2,541494E+22	2,409787E+22	2,177730E+22	1,907551E+22	1,720363E+22	1,720369E+22	1,907559E+22	2,177715E+22
2421	2,409742E+22	2,541454E+22	2,586280E+22	2,586273E+22	2,541415E+22	2,409686E+22	2,177665E+22	1,907530E+22	1,720371E+22	1,720390E+22	1,907577E+22	2,177716E+22
2422	2,409718E+22	2,541392E+22	2,586180E+22	2,586200E+22	2,541416E+22	2,409720E+22	2,177714E+22	1,907586E+22	1,720409E+22	1,720393E+22	1,907551E+22	2,177691E+22
2423	2,409735E+22	2,541474E+22	2,586295E+22	2,586292E+22	2,541485E+22	2,409771E+22	2,177730E+22	1,907589E+22	1,720428E+22	1,720436E+22	1,907606E+22	2,177740E+22
2424	2,409760E+22	2,541480E+22	2,586294E+22	2,586239E+22	2,541349E+22	2,409645E+22	2,177681E+22	1,907594E+22	1,720444E+22	1,720434E+22	1,907581E+22	2,177688E+22
2425	2,409680E+22	2,541382E+22	2,586224E+22	2,586269E+22	2,541457E+22	2,409743E+22	2,177745E+22	1,907630E+22	1,720461E+22	1,720440E+22	1,907573E+22	2,177679E+22
2426	2,409703E+22	2,541457E+22	2,586318E+22	2,586344E+22	2,541505E+22	2,409743E+22	2,177692E+22	1,907567E+22	1,720431E+22	1,720455E+22	1,907621E+22	2,177728E+22
2427	2,409713E+22	2,541412E+22	2,586221E+22	2,586200E+22	2,541377E+22	2,409692E+22	2,177694E+22	1,907570E+22	1,720408E+22	1,720414E+22	1,907586E+22	2,177698E+22
2428	2,409679E+22	2,541370E+22	2,586207E+22	2,586251E+22	2,541467E+22	2,409787E+22	2,177772E+22	1,907611E+22	1,720413E+22	1,720396E+22	1,907563E+22	2,177716E+22
2429	2,409759E+22	2,541479E+22	2,586284E+22	2,586272E+22	2,541422E+22	2,409689E+22	2,177674E+22	1,907547E+22	1,720380E+22	1,720382E+22	1,907555E+22	2,177694E+22
2430	2,409715E+22	2,541419E+22	2,586204E+22	2,586186E+22	2,541379E+22	2,409681E+22	2,177674E+22	1,907545E+22	1,720363E+22	1,720346E+22	1,907509E+22	2,177650E+22
2431	2,409694E+22	2,541447E+22	2,586294E+22	2,586299E+22	2,541477E+22	2,409757E+22	2,177696E+22	1,907520E+22	1,720336E+22	1,720347E+22	1,907545E+22	2,177708E+22
2432	2,409740E+22	2,541465E+22	2,586297E+22	2,586277E+22	2,541389E+22	2,409647E+22	2,177631E+22	1,907488E+22	1,720306E+22	1,720313E+22	1,907512E+22	2,177670E+22
2433	2,409684E+22	2,541369E+22	2,586176E+22	2,586229E+22	2,541452E+22	2,409739E+22	2,177700E+22	1,907523E+22	1,720312E+22	1,720296E+22	1,907480E+22	2,177648E+22
2434	2,409708E+22	2,541460E+22	2,586296E+22	2,586313E+22	2,541504E+22	2,409762E+22	2,177680E+22	1,907491E+22	1,720300E+22	1,720313E+22	1,907519E+22	2,177691E+22
2435	2,409733E+22	2,541454E+22	2,586251E+22	2,586202E+22	2,541356E+22	2,409668E+22	2,177660E+22	1,907506E+22	1,720315E+22	1,720314E+22	1,907505E+22	2,177654E+22
2436	2,409670E+22	2,541376E+22	2,586207E+22	2,586242E+22	2,541437E+22	2,409748E+22	2,177742E+22	1,907582E+22	1,720374E+22	1,720349E+22	1,907514E+22	2,177665E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409719E+22	2,541468E+22	2,586303E+22	2,586313E+22	2,541459E+22	2,409695E+22	2,177656E+22	1,907533E+22	1,720381E+22	1,720396E+22	1,907571E+22	2,177693E+22
2438	2,409692E+22	2,541395E+22	2,586199E+22	2,586193E+22	2,541386E+22	2,409682E+22	2,177671E+22	1,907555E+22	1,720405E+22	1,720410E+22	1,907571E+22	2,177684E+22
2439	2,409682E+22	2,541396E+22	2,586236E+22	2,586260E+22	2,541462E+22	2,409775E+22	2,177748E+22	1,907596E+22	1,720431E+22	1,720443E+22	1,907618E+22	2,177752E+22
2440	2,409763E+22	2,541470E+22	2,586286E+22	2,586263E+22	2,541384E+22	2,409658E+22	2,177682E+22	1,907597E+22	1,720456E+22	1,720459E+22	1,907613E+22	2,177721E+22
2441	2,409711E+22	2,541392E+22	2,586178E+22	2,586187E+22	2,541392E+22	2,409706E+22	2,177736E+22	1,907651E+22	1,720502E+22	1,720478E+22	1,907594E+22	2,177683E+22
2442	2,409698E+22	2,541454E+22	2,586312E+22	2,586317E+22	2,541479E+22	2,409748E+22	2,177730E+22	1,907630E+22	1,720505E+22	1,720515E+22	1,907650E+22	2,177735E+22
2443	2,409725E+22	2,541449E+22	2,586286E+22	2,586258E+22	2,541376E+22	2,409655E+22	2,177690E+22	1,907623E+22	1,720507E+22	1,720517E+22	1,907650E+22	2,177709E+22
2444	2,409656E+22	2,541339E+22	2,586178E+22	2,586234E+22	2,541447E+22	2,409756E+22	2,177779E+22	1,907683E+22	1,720534E+22	1,720517E+22	1,907636E+22	2,177715E+22
2445	2,409705E+22	2,541435E+22	2,586282E+22	2,586303E+22	2,541482E+22	2,409748E+22	2,177725E+22	1,907624E+22	1,720499E+22	1,720515E+22	1,907660E+22	2,177745E+22
2446	2,409714E+22	2,541400E+22	2,586198E+22	2,586174E+22	2,541358E+22	2,409685E+22	2,177717E+22	1,907627E+22	1,720485E+22	1,720477E+22	1,907611E+22	2,177705E+22
2447	2,409694E+22	2,541389E+22	2,586208E+22	2,586220E+22	2,541416E+22	2,409747E+22	2,177769E+22	1,907646E+22	1,720480E+22	1,720467E+22	1,907609E+22	2,177727E+22
2448	2,409755E+22	2,541488E+22	2,586306E+22	2,586283E+22	2,541395E+22	2,409642E+22	2,177663E+22	1,907588E+22	1,720450E+22	1,720450E+22	1,907597E+22	2,177698E+22
2449	2,409690E+22	2,541395E+22	2,586194E+22	2,586189E+22	2,541384E+22	2,409675E+22	2,177676E+22	1,907577E+22	1,720426E+22	1,720417E+22	1,907560E+22	2,177664E+22
2450	2,409667E+22	2,541411E+22	2,586284E+22	2,586309E+22	2,541485E+22	2,409756E+22	2,177700E+22	1,907539E+22	1,720379E+22	1,720399E+22	1,907583E+22	2,177723E+22
2451	2,409736E+22	2,541449E+22	2,586278E+22	2,586270E+22	2,541398E+22	2,409661E+22	2,177657E+22	1,907523E+22	1,720353E+22	1,720369E+22	1,907556E+22	2,177686E+22
2452	2,409681E+22	2,541360E+22	2,586151E+22	2,586185E+22	2,541413E+22	2,409730E+22	2,177735E+22	1,907595E+22	1,720398E+22	1,720368E+22	1,907521E+22	2,177656E+22
2453	2,409698E+22	2,541455E+22	2,586291E+22	2,586291E+22	2,541477E+22	2,409748E+22	2,177700E+22	1,907556E+22	1,720392E+22	1,720396E+22	1,907559E+22	2,177683E+22
2454	2,409700E+22	2,541429E+22	2,586247E+22	2,586210E+22	2,541358E+22	2,409657E+22	2,177670E+22	1,907561E+22	1,720409E+22	1,720408E+22	1,907557E+22	2,177663E+22
2455	2,409656E+22	2,541356E+22	2,586189E+22	2,586223E+22	2,541418E+22	2,409727E+22	2,177740E+22	1,907618E+22	1,720453E+22	1,720446E+22	1,907594E+22	2,177706E+22
2456	2,409718E+22	2,541448E+22	2,586287E+22	2,586302E+22	2,541445E+22	2,409682E+22	2,177674E+22	1,907588E+22	1,720459E+22	1,720476E+22	1,907633E+22	2,177727E+22
2457	2,409696E+22	2,541377E+22	2,586168E+22	2,586163E+22	2,541368E+22	2,409681E+22	2,177703E+22	1,907619E+22	1,720487E+22	1,720487E+22	1,907622E+22	2,177707E+22
2458	2,409680E+22	2,541391E+22	2,586239E+22	2,586253E+22	2,541439E+22	2,409753E+22	2,177759E+22	1,907647E+22	1,720508E+22	1,720514E+22	1,907655E+22	2,177758E+22
2459	2,409761E+22	2,541478E+22	2,586301E+22	2,586272E+22	2,541384E+22	2,409652E+22	2,177697E+22	1,907641E+22	1,720531E+22	1,720545E+22	1,907669E+22	2,177726E+22
2460	2,409687E+22	2,541377E+22	2,586176E+22	2,586175E+22	2,541370E+22	2,409691E+22	2,177758E+22	1,907716E+22	1,720596E+22	1,720573E+22	1,907658E+22	2,177699E+22
2461	2,409673E+22	2,541422E+22	2,586295E+22	2,586314E+22	2,541489E+22	2,409757E+22	2,177748E+22	1,907681E+22	1,720586E+22	1,720598E+22	1,907705E+22	2,177750E+22
2462	2,409704E+22	2,541410E+22	2,586252E+22	2,586246E+22	2,541389E+22	2,409675E+22	2,177718E+22	1,907671E+22	1,720577E+22	1,720587E+22	1,907693E+22	2,177734E+22
2463	2,409671E+22	2,541330E+22	2,586141E+22	2,586178E+22	2,541399E+22	2,409736E+22	2,177797E+22	1,907732E+22	1,720601E+22	1,720583E+22	1,907686E+22	2,177746E+22
2464	2,409723E+22	2,541445E+22	2,586279E+22	2,586276E+22	2,541436E+22	2,409707E+22	2,177735E+22	1,907685E+22	1,720574E+22	1,720574E+22	1,907689E+22	2,177749E+22
2465	2,409707E+22	2,541399E+22	2,586200E+22	2,586160E+22	2,541326E+22	2,409653E+22	2,177717E+22	1,907672E+22	1,720559E+22	1,720549E+22	1,907650E+22	2,177700E+22
2466	2,409661E+22	2,541373E+22	2,586233E+22	2,586246E+22	2,541408E+22	2,409710E+22	2,177746E+22	1,907664E+22	1,720533E+22	1,720529E+22	1,907649E+22	2,177730E+22
2467	2,409731E+22	2,541466E+22	2,586309E+22	2,586306E+22	2,541426E+22	2,409652E+22	2,177661E+22	1,907596E+22	1,720489E+22	1,720513E+22	1,907652E+22	2,177714E+22
2468	2,409671E+22	2,541361E+22	2,586163E+22	2,586163E+22	2,541379E+22	2,409691E+22	2,177711E+22	1,907625E+22	1,720486E+22	1,720477E+22	1,907605E+22	2,177688E+22
2469	2,409664E+22	2,541389E+22	2,586252E+22	2,586281E+22	2,541482E+22	2,409773E+22	2,177738E+22	1,907601E+22	1,720447E+22	1,720452E+22	1,907607E+22	2,177724E+22
2470	2,409725E+22	2,541433E+22	2,586258E+22	2,586250E+22	2,541393E+22	2,409669E+22	2,177691E+22	1,907591E+22	1,720440E+22	1,720437E+22	1,907583E+22	2,177688E+22
2471	2,409681E+22	2,541359E+22	2,586143E+22	2,586149E+22	2,541365E+22	2,409698E+22	2,177746E+22	1,907652E+22	1,720488E+22	1,720461E+22	1,907584E+22	2,177677E+22
2472	2,409686E+22	2,541442E+22	2,586295E+22	2,586290E+22	2,541449E+22	2,409706E+22	2,177702E+22	1,907617E+22	1,720483E+22	1,720487E+22	1,907625E+22	2,177706E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409680E+22	2,541393E+22	2,586222E+22	2,586198E+22	2,541354E+22	2,409650E+22	2,177675E+22	1,907605E+22	1,720492E+22	1,720503E+22	1,907634E+22	2,177698E+22
2474	2,409645E+22	2,541330E+22	2,586179E+22	2,586215E+22	2,541404E+22	2,409713E+22	2,177741E+22	1,907646E+22	1,720511E+22	1,720516E+22	1,907651E+22	2,177743E+22
2475	2,409738E+22	2,541452E+22	2,586278E+22	2,586285E+22	2,541436E+22	2,409681E+22	2,177693E+22	1,907627E+22	1,720520E+22	1,720546E+22	1,907684E+22	2,177750E+22
2476	2,409707E+22	2,541387E+22	2,586168E+22	2,586134E+22	2,541332E+22	2,409667E+22	2,177732E+22	1,907692E+22	1,720580E+22	1,720565E+22	1,907663E+22	2,177713E+22
2477	2,409675E+22	2,541394E+22	2,586250E+22	2,586255E+22	2,541432E+22	2,409741E+22	2,177772E+22	1,907708E+22	1,720599E+22	1,720593E+22	1,907688E+22	2,177741E+22
2478	2,409721E+22	2,541451E+22	2,586302E+22	2,586293E+22	2,541406E+22	2,409660E+22	2,177715E+22	1,907699E+22	1,720621E+22	1,720629E+22	1,907713E+22	2,177729E+22
2479	2,409663E+22	2,541343E+22	2,586154E+22	2,586158E+22	2,541361E+22	2,409690E+22	2,177772E+22	1,907761E+22	1,720674E+22	1,720662E+22	1,907728E+22	2,177730E+22
2480	2,409660E+22	2,541384E+22	2,586264E+22	2,586291E+22	2,541466E+22	2,409748E+22	2,177777E+22	1,907745E+22	1,720663E+22	1,720670E+22	1,907756E+22	2,177773E+22
2481	2,409698E+22	2,541380E+22	2,586211E+22	2,586203E+22	2,541360E+22	2,409670E+22	2,177746E+22	1,907736E+22	1,720661E+22	1,720663E+22	1,907742E+22	2,177751E+22
2482	2,409664E+22	2,541325E+22	2,586143E+22	2,586158E+22	2,541358E+22	2,409698E+22	2,177789E+22	1,907769E+22	1,720668E+22	1,720650E+22	1,907724E+22	2,177757E+22
2483	2,409726E+22	2,541453E+22	2,586293E+22	2,586277E+22	2,541421E+22	2,409684E+22	2,177728E+22	1,907709E+22	1,720634E+22	1,720649E+22	1,907741E+22	2,177758E+22
2484	2,409692E+22	2,541387E+22	2,586204E+22	2,586159E+22	2,541311E+22	2,409632E+22	2,177718E+22	1,907711E+22	1,720626E+22	1,720620E+22	1,907702E+22	2,177721E+22
2485	2,409648E+22	2,541347E+22	2,586218E+22	2,586253E+22	2,541431E+22	2,409723E+22	2,177749E+22	1,907689E+22	1,720584E+22	1,720584E+22	1,907686E+22	2,177742E+22
2486	2,409717E+22	2,541435E+22	2,586283E+22	2,586300E+22	2,541449E+22	2,409687E+22	2,177696E+22	1,907638E+22	1,720540E+22	1,720557E+22	1,907677E+22	2,177732E+22
2487	2,409685E+22	2,541355E+22	2,586139E+22	2,586118E+22	2,541340E+22	2,409684E+22	2,177739E+22	1,907681E+22	1,720554E+22	1,720537E+22	1,907644E+22	2,177705E+22
2488	2,409669E+22	2,541387E+22	2,586248E+22	2,586257E+22	2,541439E+22	2,409743E+22	2,177761E+22	1,907675E+22	1,720536E+22	1,720522E+22	1,907636E+22	2,177717E+22
2489	2,409703E+22	2,541415E+22	2,586251E+22	2,586235E+22	2,541367E+22	2,409648E+22	2,177700E+22	1,907651E+22	1,720536E+22	1,720531E+22	1,907636E+22	2,177687E+22
2490	2,409643E+22	2,541331E+22	2,586150E+22	2,586157E+22	2,541347E+22	2,409662E+22	2,177728E+22	1,907682E+22	1,720560E+22	1,720546E+22	1,907647E+22	2,177701E+22
2491	2,409677E+22	2,541418E+22	2,586283E+22	2,586291E+22	2,541458E+22	2,409709E+22	2,177703E+22	1,907638E+22	1,720544E+22	1,720572E+22	1,907697E+22	2,177742E+22
2492	2,409681E+22	2,541370E+22	2,586195E+22	2,586166E+22	2,541329E+22	2,409648E+22	2,177704E+22	1,907662E+22	1,720566E+22	1,720577E+22	1,907691E+22	2,177735E+22
2493	2,409660E+22	2,541325E+22	2,586161E+22	2,586196E+22	2,541397E+22	2,409715E+22	2,177763E+22	1,907705E+22	1,720590E+22	1,720581E+22	1,907683E+22	2,177748E+22
2494	2,409736E+22	2,541455E+22	2,586282E+22	2,586281E+22	2,541436E+22	2,409690E+22	2,177721E+22	1,907691E+22	1,720608E+22	1,720617E+22	1,907712E+22	2,177749E+22
2495	2,409702E+22	2,541387E+22	2,586175E+22	2,586119E+22	2,541295E+22	2,409641E+22	2,177745E+22	1,907753E+22	1,720676E+22	1,720661E+22	1,907723E+22	2,177724E+22
2496	2,409651E+22	2,541368E+22	2,586251E+22	2,586266E+22	2,541422E+22	2,409720E+22	2,177787E+22	1,907778E+22	1,720696E+22	1,720686E+22	1,907746E+22	2,177750E+22
2497	2,409687E+22	2,541400E+22	2,586267E+22	2,586281E+22	2,541411E+22	2,409671E+22	2,177735E+22	1,907753E+22	1,720711E+22	1,720725E+22	1,907783E+22	2,177753E+22
2498	2,409641E+22	2,541306E+22	2,586130E+22	2,586134E+22	2,541335E+22	2,409678E+22	2,177783E+22	1,907800E+22	1,720737E+22	1,720732E+22	1,907785E+22	2,177766E+22
2499	2,409677E+22	2,541379E+22	2,586243E+22	2,586259E+22	2,541439E+22	2,409739E+22	2,177791E+22	1,907784E+22	1,720727E+22	1,720741E+22	1,907805E+22	2,177794E+22
2500	2,409706E+22	2,541384E+22	2,586203E+22	2,586169E+22	2,541311E+22	2,409640E+22	2,177758E+22	1,907793E+22	1,720743E+22	1,720737E+22	1,907783E+22	2,177762E+22
2501	2,409663E+22	2,541327E+22	2,586150E+22	2,586164E+22	2,541352E+22	2,409676E+22	2,177778E+22	1,907802E+22	1,720735E+22	1,720716E+22	1,907756E+22	2,177749E+22
2502	2,409701E+22	2,541437E+22	2,586297E+22	2,586298E+22	2,541444E+22	2,409694E+22	2,177732E+22	1,907740E+22	1,720692E+22	1,720706E+22	1,907775E+22	2,177769E+22
2503	2,409683E+22	2,541363E+22	2,586188E+22	2,586149E+22	2,541305E+22	2,409637E+22	2,177731E+22	1,907743E+22	1,720681E+22	1,720682E+22	1,907752E+22	2,177747E+22
2504	2,409646E+22	2,541323E+22	2,586197E+22	2,586239E+22	2,541416E+22	2,409725E+22	2,177787E+22	1,907750E+22	1,720646E+22	1,720633E+22	1,907712E+22	2,177748E+22
2505	2,409708E+22	2,541410E+22	2,586250E+22	2,586269E+22	2,541432E+22	2,409696E+22	2,177731E+22	1,907706E+22	1,720622E+22	1,720626E+22	1,907711E+22	2,177729E+22
2506	2,409664E+22	2,541347E+22	2,586143E+22	2,586101E+22	2,541299E+22	2,409655E+22	2,177742E+22	1,907726E+22	1,720628E+22	1,720610E+22	1,907686E+22	2,177712E+22
2507	2,409662E+22	2,541381E+22	2,586248E+22	2,586249E+22	2,541415E+22	2,409720E+22	2,177759E+22	1,907710E+22	1,720613E+22	1,720614E+22	1,907699E+22	2,177730E+22
2508	2,409684E+22	2,541391E+22	2,586240E+22	2,586225E+22	2,541346E+22	2,409627E+22	2,177702E+22	1,907699E+22	1,720622E+22	1,720625E+22	1,907708E+22	2,177723E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409642E+22	2,541305E+22	2,586126E+22	2,586155E+22	2,541359E+22	2,409662E+22	2,177720E+22	1,907707E+22	1,720622E+22	1,720617E+22	1,907700E+22	2,177727E+22
2510	2,409681E+22	2,541403E+22	2,586260E+22	2,586276E+22	2,541459E+22	2,409726E+22	2,177731E+22	1,907685E+22	1,720605E+22	1,720626E+22	1,907734E+22	2,177772E+22
2511	2,409706E+22	2,541377E+22	2,586186E+22	2,586135E+22	2,541289E+22	2,409631E+22	2,177725E+22	1,907720E+22	1,720644E+22	1,720647E+22	1,907732E+22	2,177750E+22
2512	2,409666E+22	2,541334E+22	2,586175E+22	2,586191E+22	2,541362E+22	2,409688E+22	2,177785E+22	1,907777E+22	1,720683E+22	1,720658E+22	1,907713E+22	2,177731E+22
2513	2,409702E+22	2,541433E+22	2,586283E+22	2,586287E+22	2,541431E+22	2,409687E+22	2,177740E+22	1,907756E+22	1,720711E+22	1,720718E+22	1,907767E+22	2,177738E+22
2514	2,409649E+22	2,541350E+22	2,586179E+22	2,586133E+22	2,541292E+22	2,409628E+22	2,177743E+22	1,907793E+22	1,720757E+22	1,720754E+22	1,907789E+22	2,177745E+22
2515	2,409631E+22	2,541327E+22	2,586217E+22	2,586255E+22	2,541429E+22	2,409735E+22	2,177804E+22	1,907815E+22	1,720772E+22	1,720779E+22	1,907816E+22	2,177779E+22
2516	2,409679E+22	2,541363E+22	2,586222E+22	2,586238E+22	2,541380E+22	2,409671E+22	2,177772E+22	1,907822E+22	1,720797E+22	1,720807E+22	1,907844E+22	2,177790E+22
2517	2,409656E+22	2,541294E+22	2,586096E+22	2,586104E+22	2,541315E+22	2,409666E+22	2,177794E+22	1,907853E+22	1,720816E+22	1,720801E+22	1,907822E+22	2,177778E+22
2518	2,409682E+22	2,541386E+22	2,586242E+22	2,586244E+22	2,541417E+22	2,409732E+22	2,177809E+22	1,907837E+22	1,720802E+22	1,720805E+22	1,907839E+22	2,177807E+22
2519	2,409713E+22	2,541392E+22	2,586215E+22	2,586160E+22	2,541272E+22	2,409604E+22	2,177755E+22	1,907834E+22	1,720816E+22	1,720816E+22	1,907839E+22	2,177780E+22
2520	2,409656E+22	2,541318E+22	2,586159E+22	2,586181E+22	2,541346E+22	2,409658E+22	2,177781E+22	1,907842E+22	1,720801E+22	1,720783E+22	1,907798E+22	2,177756E+22
2521	2,409680E+22	2,541404E+22	2,586274E+22	2,586295E+22	2,541457E+22	2,409717E+22	2,177753E+22	1,907776E+22	1,720754E+22	1,720774E+22	1,907821E+22	2,177778E+22
2522	2,409664E+22	2,541343E+22	2,586176E+22	2,586135E+22	2,541285E+22	2,409635E+22	2,177747E+22	1,907778E+22	1,720730E+22	1,720732E+22	1,907786E+22	2,177765E+22
2523	2,409656E+22	2,541321E+22	2,586179E+22	2,586217E+22	2,541395E+22	2,409721E+22	2,177805E+22	1,907795E+22	1,720714E+22	1,720698E+22	1,907743E+22	2,177745E+22
2524	2,409695E+22	2,541402E+22	2,586242E+22	2,586245E+22	2,541388E+22	2,409668E+22	2,177747E+22	1,907767E+22	1,720710E+22	1,720705E+22	1,907753E+22	2,177732E+22
2525	2,409646E+22	2,541327E+22	2,586134E+22	2,586108E+22	2,541295E+22	2,409631E+22	2,177732E+22	1,907762E+22	1,720702E+22	1,720688E+22	1,907733E+22	2,177713E+22
2526	2,409636E+22	2,541356E+22	2,586237E+22	2,586257E+22	2,541425E+22	2,409727E+22	2,177766E+22	1,907742E+22	1,720676E+22	1,720681E+22	1,907752E+22	2,177759E+22
2527	2,409683E+22	2,541366E+22	2,586211E+22	2,586198E+22	2,541322E+22	2,409620E+22	2,177713E+22	1,907734E+22	1,720686E+22	1,720700E+22	1,907772E+22	2,177762E+22
2528	2,409655E+22	2,541295E+22	2,586107E+22	2,586137E+22	2,541335E+22	2,409655E+22	2,177751E+22	1,907766E+22	1,720693E+22	1,720679E+22	1,907735E+22	2,177739E+22
2529	2,409683E+22	2,541396E+22	2,586243E+22	2,586256E+22	2,541442E+22	2,409729E+22	2,177759E+22	1,907750E+22	1,720696E+22	1,720706E+22	1,907772E+22	2,177766E+22
2530	2,409686E+22	2,541379E+22	2,586204E+22	2,586135E+22	2,541258E+22	2,409606E+22	2,177732E+22	1,907771E+22	1,720728E+22	1,720729E+22	1,907779E+22	2,177754E+22
2531	2,409652E+22	2,541325E+22	2,586180E+22	2,586201E+22	2,541356E+22	2,409678E+22	2,177792E+22	1,907825E+22	1,720773E+22	1,720758E+22	1,907774E+22	2,177735E+22
2532	2,409667E+22	2,541392E+22	2,586262E+22	2,586280E+22	2,541422E+22	2,409684E+22	2,177759E+22	1,907817E+22	1,720808E+22	1,720821E+22	1,907842E+22	2,177769E+22
2533	2,409636E+22	2,541308E+22	2,586134E+22	2,586123E+22	2,541303E+22	2,409639E+22	2,177759E+22	1,907835E+22	1,720831E+22	1,720835E+22	1,907850E+22	2,177774E+22
2534	2,409636E+22	2,541309E+22	2,586179E+22	2,586220E+22	2,541411E+22	2,409748E+22	2,177842E+22	1,907874E+22	1,720843E+22	1,720841E+22	1,907863E+22	2,177815E+22
2535	2,409705E+22	2,541371E+22	2,586204E+22	2,586192E+22	2,541321E+22	2,409638E+22	2,177787E+22	1,907883E+22	1,720884E+22	1,720886E+22	1,907893E+22	2,177813E+22
2536	2,409671E+22	2,541313E+22	2,586112E+22	2,586099E+22	2,541272E+22	2,409626E+22	2,177800E+22	1,907908E+22	1,720898E+22	1,720875E+22	1,907855E+22	2,177770E+22
2537	2,409661E+22	2,541377E+22	2,586251E+22	2,586257E+22	2,541411E+22	2,409717E+22	2,177812E+22	1,907880E+22	1,720883E+22	1,720889E+22	1,907888E+22	2,177799E+22
2538	2,409673E+22	2,541372E+22	2,586229E+22	2,586184E+22	2,541277E+22	2,409594E+22	2,177747E+22	1,907852E+22	1,720867E+22	1,720881E+22	1,907889E+22	2,177798E+22
2539	2,409644E+22	2,541294E+22	2,586141E+22	2,586182E+22	2,541356E+22	2,409675E+22	2,177798E+22	1,907868E+22	1,720854E+22	1,720846E+22	1,907840E+22	2,177766E+22
2540	2,409664E+22	2,541374E+22	2,586239E+22	2,586266E+22	2,541439E+22	2,409726E+22	2,177795E+22	1,907838E+22	1,720826E+22	1,720836E+22	1,907858E+22	2,177792E+22
2541	2,409663E+22	2,541326E+22	2,586145E+22	2,586118E+22	2,541279E+22	2,409629E+22	2,177761E+22	1,907824E+22	1,720799E+22	1,720791E+22	1,907812E+22	2,177760E+22
2542	2,409643E+22	2,541314E+22	2,586165E+22	2,586196E+22	2,541373E+22	2,409716E+22	2,177826E+22	1,907847E+22	1,720787E+22	1,720762E+22	1,907784E+22	2,177757E+22
2543	2,409684E+22	2,541387E+22	2,586231E+22	2,586229E+22	2,541349E+22	2,409631E+22	2,177746E+22	1,907812E+22	1,720790E+22	1,720793E+22	1,907820E+22	2,177760E+22
2544	2,409639E+22	2,541309E+22	2,586124E+22	2,586109E+22	2,541280E+22	2,409610E+22	2,177732E+22	1,907796E+22	1,720769E+22	1,720763E+22	1,907788E+22	2,177736E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409627E+22	2,541329E+22	2,586208E+22	2,586240E+22	2,541419E+22	2,409736E+22	2,177785E+22	1,907781E+22	1,720741E+22	1,720756E+22	1,907808E+22	2,177779E+22
2546	2,409682E+22	2,541367E+22	2,586206E+22	2,586180E+22	2,541293E+22	2,409606E+22	2,177725E+22	1,907768E+22	1,720738E+22	1,720755E+22	1,907812E+22	2,177786E+22
2547	2,409673E+22	2,541312E+22	2,586109E+22	2,586125E+22	2,541313E+22	2,409644E+22	2,177764E+22	1,907813E+22	1,720771E+22	1,720752E+22	1,907766E+22	2,177731E+22
2548	2,409665E+22	2,541392E+22	2,586247E+22	2,586249E+22	2,541415E+22	2,409713E+22	2,177782E+22	1,907818E+22	1,720793E+22	1,720796E+22	1,907818E+22	2,177763E+22
2549	2,409657E+22	2,541352E+22	2,586193E+22	2,586158E+22	2,541275E+22	2,409597E+22	2,177735E+22	1,907818E+22	1,720814E+22	1,720818E+22	1,907830E+22	2,177753E+22
2550	2,409617E+22	2,541288E+22	2,586155E+22	2,586201E+22	2,541372E+22	2,409700E+22	2,177823E+22	1,907880E+22	1,720853E+22	1,720839E+22	1,907838E+22	2,177768E+22
2551	2,409655E+22	2,541353E+22	2,586220E+22	2,586246E+22	2,541394E+22	2,409680E+22	2,177790E+22	1,907879E+22	1,720895E+22	1,720913E+22	1,907916E+22	2,177812E+22
2552	2,409649E+22	2,541294E+22	2,586107E+22	2,586091E+22	2,541265E+22	2,409625E+22	2,177794E+22	1,907905E+22	1,720918E+22	1,720914E+22	1,907898E+22	2,177792E+22
2553	2,409640E+22	2,541308E+22	2,586164E+22	2,586189E+22	2,541377E+22	2,409734E+22	2,177865E+22	1,907940E+22	1,720940E+22	1,720933E+22	1,907913E+22	2,177817E+22
2554	2,409693E+22	2,541385E+22	2,586225E+22	2,586184E+22	2,541281E+22	2,409599E+22	2,177780E+22	1,907921E+22	1,720958E+22	1,720968E+22	1,907948E+22	2,177829E+22
2555	2,409668E+22	2,541318E+22	2,586131E+22	2,586119E+22	2,541272E+22	2,409607E+22	2,177788E+22	1,907936E+22	1,720972E+22	1,720959E+22	1,907909E+22	2,177778E+22
2556	2,409635E+22	2,541349E+22	2,586241E+22	2,586263E+22	2,541415E+22	2,409715E+22	2,177821E+22	1,907917E+22	1,720952E+22	1,720965E+22	1,907945E+22	2,177824E+22
2557	2,409662E+22	2,541333E+22	2,586191E+22	2,586187E+22	2,541303E+22	2,409610E+22	2,177765E+22	1,907881E+22	1,720914E+22	1,720931E+22	1,907923E+22	2,177810E+22
2558	2,409641E+22	2,541280E+22	2,586112E+22	2,586155E+22	2,541350E+22	2,409696E+22	2,177842E+22	1,907923E+22	1,720906E+22	1,720883E+22	1,907866E+22	2,177781E+22
2559	2,409663E+22	2,541366E+22	2,586218E+22	2,586224E+22	2,541387E+22	2,409698E+22	2,177814E+22	1,907898E+22	1,720905E+22	1,720905E+22	1,907895E+22	2,177798E+22
2560	2,409656E+22	2,541326E+22	2,586147E+22	2,586105E+22	2,541241E+22	2,409598E+22	2,177773E+22	1,907877E+22	1,720878E+22	1,720865E+22	1,907849E+22	2,177752E+22
2561	2,409613E+22	2,541291E+22	2,586155E+22	2,586190E+22	2,541361E+22	2,409698E+22	2,177828E+22	1,907888E+22	1,720865E+22	1,720849E+22	1,907841E+22	2,177761E+22
2562	2,409653E+22	2,541366E+22	2,586224E+22	2,586223E+22	2,541337E+22	2,409613E+22	2,177736E+22	1,907829E+22	1,720841E+22	1,720861E+22	1,907881E+22	2,177796E+22
2563	2,409645E+22	2,541297E+22	2,586107E+22	2,586099E+22	2,541277E+22	2,409611E+22	2,177740E+22	1,907823E+22	1,720823E+22	1,720826E+22	1,907832E+22	2,177757E+22
2564	2,409627E+22	2,541317E+22	2,586188E+22	2,586214E+22	2,541395E+22	2,409728E+22	2,177814E+22	1,907840E+22	1,720814E+22	1,720821E+22	1,907847E+22	2,177795E+22
2565	2,409685E+22	2,541361E+22	2,586194E+22	2,586180E+22	2,541295E+22	2,409599E+22	2,177739E+22	1,907817E+22	1,720811E+22	1,720819E+22	1,907840E+22	2,177778E+22
2566	2,409658E+22	2,541315E+22	2,586116E+22	2,586124E+22	2,541304E+22	2,409645E+22	2,177795E+22	1,907875E+22	1,720851E+22	1,720825E+22	1,907813E+22	2,177738E+22
2567	2,409637E+22	2,541365E+22	2,586239E+22	2,586244E+22	2,541394E+22	2,409690E+22	2,177796E+22	1,907881E+22	1,720893E+22	1,720899E+22	1,907890E+22	2,177787E+22
2568	2,409640E+22	2,541322E+22	2,586174E+22	2,586153E+22	2,541272E+22	2,409596E+22	2,177757E+22	1,907873E+22	1,720904E+22	1,720913E+22	1,907897E+22	2,177778E+22
2569	2,409603E+22	2,541253E+22	2,586112E+22	2,586165E+22	2,541358E+22	2,409710E+22	2,177858E+22	1,907942E+22	1,720943E+22	1,720934E+22	1,907907E+22	2,177794E+22
2570	2,409655E+22	2,541351E+22	2,586205E+22	2,586210E+22	2,541350E+22	2,409653E+22	2,177803E+22	1,907930E+22	1,720970E+22	1,720988E+22	1,907972E+22	2,177847E+22
2571	2,409670E+22	2,541313E+22	2,586115E+22	2,586075E+22	2,541230E+22	2,409592E+22	2,177790E+22	1,907951E+22	1,721004E+22	1,720997E+22	1,907940E+22	2,177795E+22
2572	2,409627E+22	2,541308E+22	2,586176E+22	2,586188E+22	2,541349E+22	2,409701E+22	2,177869E+22	1,907992E+22	1,721029E+22	1,721022E+22	1,907967E+22	2,177824E+22
2573	2,409672E+22	2,541362E+22	2,586224E+22	2,586217E+22	2,541310E+22	2,409591E+22	2,177770E+22	1,907944E+22	1,721019E+22	1,721037E+22	1,907991E+22	2,177831E+22
2574	2,409640E+22	2,541291E+22	2,586117E+22	2,586122E+22	2,541296E+22	2,409635E+22	2,177816E+22	1,907973E+22	1,721022E+22	1,721012E+22	1,907955E+22	2,177803E+22
2575	2,409621E+22	2,541311E+22	2,586204E+22	2,586235E+22	2,541400E+22	2,409722E+22	2,177858E+22	1,907975E+22	1,721019E+22	1,721027E+22	1,907989E+22	2,177848E+22
2576	2,409666E+22	2,541319E+22	2,586164E+22	2,586156E+22	2,541279E+22	2,409610E+22	2,177804E+22	1,907946E+22	1,720988E+22	1,720989E+22	1,907949E+22	2,177809E+22
2577	2,409628E+22	2,541268E+22	2,586091E+22	2,586117E+22	2,541319E+22	2,409688E+22	2,177871E+22	1,907988E+22	1,720994E+22	1,720963E+22	1,907905E+22	2,177772E+22
2578	2,409639E+22	2,541363E+22	2,586225E+22	2,586206E+22	2,541345E+22	2,409657E+22	2,177807E+22	1,907935E+22	1,720973E+22	1,720980E+22	1,907950E+22	2,177816E+22
2579	2,409647E+22	2,541318E+22	2,586151E+22	2,586109E+22	2,541231E+22	2,409568E+22	2,177752E+22	1,907901E+22	1,720948E+22	1,720947E+22	1,907905E+22	2,177770E+22
2580	2,409596E+22	2,541263E+22	2,586138E+22	2,586180E+22	2,541353E+22	2,409686E+22	2,177829E+22	1,907918E+22	1,720927E+22	1,720924E+22	1,907903E+22	2,177798E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409659E+22	2,541341E+22	2,586194E+22	2,586217E+22	2,541348E+22	2,409616E+22	2,177745E+22	1,907853E+22	1,720882E+22	1,720907E+22	1,907915E+22	2,177817E+22
2582	2,409658E+22	2,541306E+22	2,586101E+22	2,586079E+22	2,541267E+22	2,409620E+22	2,177775E+22	1,907875E+22	1,720875E+22	1,720865E+22	1,907858E+22	2,177772E+22
2583	2,409628E+22	2,541319E+22	2,586189E+22	2,586196E+22	2,541359E+22	2,409700E+22	2,177832E+22	1,907905E+22	1,720901E+22	1,720895E+22	1,907883E+22	2,177795E+22
2584	2,409671E+22	2,541358E+22	2,586206E+22	2,586186E+22	2,541282E+22	2,409585E+22	2,177759E+22	1,907878E+22	1,720901E+22	1,720905E+22	1,907882E+22	2,177765E+22
2585	2,409613E+22	2,541280E+22	2,586107E+22	2,586125E+22	2,541310E+22	2,409650E+22	2,177818E+22	1,907937E+22	1,720949E+22	1,720929E+22	1,907879E+22	2,177742E+22
2586	2,409596E+22	2,541327E+22	2,586215E+22	2,586226E+22	2,541383E+22	2,409684E+22	2,177808E+22	1,907924E+22	1,720969E+22	1,720989E+22	1,907966E+22	2,177829E+22
2587	2,409643E+22	2,541300E+22	2,586145E+22	2,586128E+22	2,541260E+22	2,409595E+22	2,177775E+22	1,907928E+22	1,720991E+22	1,721001E+22	1,907958E+22	2,177807E+22
2588	2,409608E+22	2,541240E+22	2,586086E+22	2,586127E+22	2,541319E+22	2,409687E+22	2,177878E+22	1,908009E+22	1,721037E+22	1,721021E+22	1,907965E+22	2,177823E+22
2589	2,409664E+22	2,541343E+22	2,586191E+22	2,586199E+22	2,541334E+22	2,409629E+22	2,177806E+22	1,907975E+22	1,721048E+22	1,721063E+22	1,908014E+22	2,177855E+22
2590	2,409666E+22	2,541322E+22	2,586132E+22	2,586080E+22	2,541220E+22	2,409583E+22	2,177807E+22	1,908000E+22	1,721071E+22	1,721065E+22	1,907992E+22	2,177814E+22
2591	2,409610E+22	2,541287E+22	2,586176E+22	2,586193E+22	2,541337E+22	2,409676E+22	2,177869E+22	1,908038E+22	1,721108E+22	1,721106E+22	1,908028E+22	2,177849E+22
2592	2,409662E+22	2,541339E+22	2,586209E+22	2,586214E+22	2,541320E+22	2,409608E+22	2,177797E+22	1,907986E+22	1,721084E+22	1,721105E+22	1,908035E+22	2,177843E+22
2593	2,409626E+22	2,541264E+22	2,586087E+22	2,586094E+22	2,541291E+22	2,409657E+22	2,177860E+22	1,908033E+22	1,721094E+22	1,721079E+22	1,907994E+22	2,177807E+22
2594	2,409611E+22	2,541304E+22	2,586188E+22	2,586197E+22	2,541359E+22	2,409700E+22	2,177875E+22	1,908028E+22	1,721087E+22	1,721085E+22	1,908023E+22	2,177860E+22
2595	2,409670E+22	2,541325E+22	2,586167E+22	2,586139E+22	2,541247E+22	2,409579E+22	2,177801E+22	1,907996E+22	1,721073E+22	1,721063E+22	1,907980E+22	2,177800E+22
2596	2,409602E+22	2,541251E+22	2,586090E+22	2,586107E+22	2,541287E+22	2,409650E+22	2,177866E+22	1,908034E+22	1,721075E+22	1,721048E+22	1,907961E+22	2,177785E+22
2597	2,409615E+22	2,541324E+22	2,586208E+22	2,586220E+22	2,541359E+22	2,409642E+22	2,177792E+22	1,907951E+22	1,721024E+22	1,721044E+22	1,907999E+22	2,177835E+22
2598	2,409636E+22	2,541296E+22	2,586139E+22	2,586105E+22	2,541240E+22	2,409585E+22	2,177771E+22	1,907927E+22	1,720984E+22	1,720992E+22	1,907955E+22	2,177808E+22
2599	2,409598E+22	2,541241E+22	2,586114E+22	2,586156E+22	2,541331E+22	2,409676E+22	2,177849E+22	1,907966E+22	1,720989E+22	1,720983E+22	1,907946E+22	2,177826E+22
2600	2,409676E+22	2,541346E+22	2,586186E+22	2,586195E+22	2,541333E+22	2,409619E+22	2,177775E+22	1,907909E+22	1,720952E+22	1,720964E+22	1,907937E+22	2,177811E+22
2601	2,409648E+22	2,541304E+22	2,586102E+22	2,586061E+22	2,541250E+22	2,409621E+22	2,177806E+22	1,907944E+22	1,720968E+22	1,720948E+22	1,907897E+22	2,177757E+22
2602	2,409599E+22	2,541311E+22	2,586198E+22	2,586193E+22	2,541335E+22	2,409673E+22	2,177837E+22	1,907957E+22	1,720985E+22	1,720981E+22	1,907941E+22	2,177810E+22
2603	2,409652E+22	2,541336E+22	2,586205E+22	2,586194E+22	2,541286E+22	2,409570E+22	2,177752E+22	1,907924E+22	1,720994E+22	1,721002E+22	1,907947E+22	2,177784E+22
2604	2,409587E+22	2,541234E+22	2,586073E+22	2,586102E+22	2,541298E+22	2,409649E+22	2,177837E+22	1,907989E+22	1,721035E+22	1,721025E+22	1,907958E+22	2,177787E+22
2605	2,409601E+22	2,541288E+22	2,586170E+22	2,586201E+22	2,541375E+22	2,409684E+22	2,177826E+22	1,907966E+22	1,721032E+22	1,721054E+22	1,908015E+22	2,177859E+22
2606	2,409660E+22	2,541306E+22	2,586134E+22	2,586094E+22	2,541227E+22	2,409586E+22	2,177802E+22	1,907987E+22	1,721059E+22	1,721062E+22	1,908002E+22	2,177833E+22
2607	2,409614E+22	2,541245E+22	2,586091E+22	2,586107E+22	2,541273E+22	2,409644E+22	2,177880E+22	1,908071E+22	1,721132E+22	1,721109E+22	1,908014E+22	2,177834E+22
2608	2,409662E+22	2,541348E+22	2,586208E+22	2,586205E+22	2,541323E+22	2,409614E+22	2,177814E+22	1,908024E+22	1,721131E+22	1,721146E+22	1,908058E+22	2,177848E+22
2609	2,409633E+22	2,541296E+22	2,586133E+22	2,586091E+22	2,541234E+22	2,409594E+22	2,177827E+22	1,908052E+22	1,721156E+22	1,721151E+22	1,908044E+22	2,177814E+22
2610	2,409580E+22	2,541258E+22	2,586159E+22	2,586184E+22	2,541334E+22	2,409680E+22	2,177886E+22	1,908080E+22	1,721171E+22	1,721174E+22	1,908079E+22	2,177874E+22
2611	2,409661E+22	2,541319E+22	2,586188E+22	2,586197E+22	2,541313E+22	2,409612E+22	2,177819E+22	1,908045E+22	1,721164E+22	1,721173E+22	1,908071E+22	2,177849E+22
2612	2,409613E+22	2,541241E+22	2,586062E+22	2,586059E+22	2,541257E+22	2,409646E+22	2,177886E+22	1,908100E+22	1,721182E+22	1,721159E+22	1,908041E+22	2,177819E+22
2613	2,409602E+22	2,541278E+22	2,586166E+22	2,586183E+22	2,541339E+22	2,409680E+22	2,177878E+22	1,908068E+22	1,721156E+22	1,721155E+22	1,908062E+22	2,177864E+22
2614	2,409657E+22	2,541318E+22	2,586172E+22	2,586137E+22	2,541230E+22	2,409563E+22	2,177807E+22	1,908036E+22	1,721133E+22	1,721130E+22	1,908038E+22	2,177827E+22
2615	2,409589E+22	2,541224E+22	2,586078E+22	2,586104E+22	2,541270E+22	2,409619E+22	2,177851E+22	1,908065E+22	1,721144E+22	1,721127E+22	1,908026E+22	2,177824E+22
2616	2,409625E+22	2,541308E+22	2,586187E+22	2,586203E+22	2,541357E+22	2,409654E+22	2,177807E+22	1,907978E+22	1,721074E+22	1,721101E+22	1,908042E+22	2,177857E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409641E+22	2,541287E+22	2,586124E+22	2,586084E+22	2,541230E+22	2,409600E+22	2,177807E+22	1,907978E+22	1,721043E+22	1,721045E+22	1,907984E+22	2,177812E+22
2618	2,409604E+22	2,541254E+22	2,586115E+22	2,586132E+22	2,541293E+22	2,409653E+22	2,177857E+22	1,908012E+22	1,721052E+22	1,721035E+22	1,907971E+22	2,177830E+22
2619	2,409678E+22	2,541358E+22	2,586205E+22	2,586198E+22	2,541318E+22	2,409600E+22	2,177776E+22	1,907961E+22	1,721040E+22	1,721039E+22	1,907965E+22	2,177793E+22
2620	2,409611E+22	2,541279E+22	2,586104E+22	2,586067E+22	2,541238E+22	2,409604E+22	2,177812E+22	1,907996E+22	1,721058E+22	1,721042E+22	1,907956E+22	2,177765E+22
2621	2,409562E+22	2,541250E+22	2,586164E+22	2,586199E+22	2,541350E+22	2,409675E+22	2,177840E+22	1,907991E+22	1,721054E+22	1,721059E+22	1,907997E+22	2,177830E+22
2622	2,409635E+22	2,541300E+22	2,586174E+22	2,586175E+22	2,541284E+22	2,409591E+22	2,177788E+22	1,907975E+22	1,721056E+22	1,721070E+22	1,908012E+22	2,177826E+22
2623	2,409590E+22	2,541205E+22	2,586037E+22	2,586062E+22	2,541256E+22	2,409626E+22	2,177857E+22	1,908055E+22	1,721123E+22	1,721107E+22	1,908016E+22	2,177824E+22
2624	2,409625E+22	2,541295E+22	2,586156E+22	2,586162E+22	2,541337E+22	2,409675E+22	2,177851E+22	1,908030E+22	1,721122E+22	1,721134E+22	1,908055E+22	2,177863E+22
2625	2,409657E+22	2,541313E+22	2,586145E+22	2,586083E+22	2,541200E+22	2,409573E+22	2,177823E+22	1,908052E+22	1,721156E+22	1,721154E+22	1,908048E+22	2,177827E+22
2626	2,409598E+22	2,541249E+22	2,586108E+22	2,586113E+22	2,541251E+22	2,409609E+22	2,177870E+22	1,908112E+22	1,721213E+22	1,721197E+22	1,908074E+22	2,177852E+22
2627	2,409650E+22	2,541334E+22	2,586215E+22	2,586224E+22	2,541338E+22	2,409610E+22	2,177807E+22	1,908066E+22	1,721218E+22	1,721233E+22	1,908112E+22	2,177860E+22
2628	2,409609E+22	2,541256E+22	2,586106E+22	2,586082E+22	2,541234E+22	2,409608E+22	2,177854E+22	1,908103E+22	1,721233E+22	1,721235E+22	1,908107E+22	2,177845E+22
2629	2,409574E+22	2,541215E+22	2,586117E+22	2,586167E+22	2,541329E+22	2,409686E+22	2,177913E+22	1,908129E+22	1,721234E+22	1,721230E+22	1,908113E+22	2,177886E+22
2630	2,409662E+22	2,541318E+22	2,586178E+22	2,586172E+22	2,541285E+22	2,409609E+22	2,177850E+22	1,908105E+22	1,721232E+22	1,721233E+22	1,908111E+22	2,177861E+22
2631	2,409602E+22	2,541228E+22	2,586056E+22	2,586040E+22	2,541211E+22	2,409605E+22	2,177886E+22	1,908155E+22	1,721272E+22	1,721246E+22	1,908093E+22	2,177832E+22
2632	2,409594E+22	2,541270E+22	2,586162E+22	2,586174E+22	2,541323E+22	2,409671E+22	2,177881E+22	1,908103E+22	1,721226E+22	1,721231E+22	1,908110E+22	2,177869E+22
2633	2,409634E+22	2,541292E+22	2,586158E+22	2,586134E+22	2,541233E+22	2,409571E+22	2,177820E+22	1,908071E+22	1,721198E+22	1,721203E+22	1,908088E+22	2,177843E+22
2634	2,409587E+22	2,541211E+22	2,586060E+22	2,586088E+22	2,541256E+22	2,409613E+22	2,177855E+22	1,908090E+22	1,721190E+22	1,721179E+22	1,908071E+22	2,177858E+22
2635	2,409646E+22	2,541313E+22	2,586179E+22	2,586192E+22	2,541343E+22	2,409645E+22	2,177815E+22	1,908025E+22	1,721140E+22	1,721151E+22	1,908063E+22	2,177857E+22
2636	2,409635E+22	2,541280E+22	2,586115E+22	2,586067E+22	2,541203E+22	2,409591E+22	2,177828E+22	1,908035E+22	1,721121E+22	1,721114E+22	1,908019E+22	2,177813E+22
2637	2,409588E+22	2,541231E+22	2,586109E+22	2,586137E+22	2,541283E+22	2,409642E+22	2,177866E+22	1,908052E+22	1,721117E+22	1,721097E+22	1,908000E+22	2,177818E+22
2638	2,409649E+22	2,541341E+22	2,586209E+22	2,586206E+22	2,541311E+22	2,409597E+22	2,177791E+22	1,908007E+22	1,721108E+22	1,721113E+22	1,908024E+22	2,177809E+22
2639	2,409581E+22	2,541235E+22	2,586077E+22	2,586060E+22	2,541225E+22	2,409589E+22	2,177816E+22	1,908044E+22	1,721146E+22	1,721137E+22	1,908029E+22	2,177804E+22
2640	2,409567E+22	2,541224E+22	2,586121E+22	2,586160E+22	2,541335E+22	2,409693E+22	2,177869E+22	1,908037E+22	1,721126E+22	1,721136E+22	1,908052E+22	2,177855E+22
2641	2,409641E+22	2,541287E+22	2,586147E+22	2,586139E+22	2,541254E+22	2,409592E+22	2,177825E+22	1,908044E+22	1,721143E+22	1,721148E+22	1,908055E+22	2,177840E+22
2642	2,409605E+22	2,541223E+22	2,586037E+22	2,586036E+22	2,541206E+22	2,409584E+22	2,177853E+22	1,908105E+22	1,721207E+22	1,721185E+22	1,908061E+22	2,177840E+22
2643	2,409634E+22	2,541314E+22	2,586181E+22	2,586171E+22	2,541312E+22	2,409637E+22	2,177840E+22	1,908082E+22	1,721219E+22	1,721224E+22	1,908099E+22	2,177855E+22
2644	2,409625E+22	2,541292E+22	2,586154E+22	2,586104E+22	2,541199E+22	2,409561E+22	2,177827E+22	1,908100E+22	1,721245E+22	1,721252E+22	1,908115E+22	2,177840E+22
2645	2,409566E+22	2,541198E+22	2,586088E+22	2,586132E+22	2,541274E+22	2,409624E+22	2,177880E+22	1,908143E+22	1,721276E+22	1,721269E+22	1,908125E+22	2,177867E+22
2646	2,409633E+22	2,541305E+22	2,586192E+22	2,586215E+22	2,541344E+22	2,409642E+22	2,177853E+22	1,908119E+22	1,721279E+22	1,721298E+22	1,908168E+22	2,177888E+22
2647	2,409603E+22	2,541225E+22	2,586069E+22	2,586051E+22	2,541204E+22	2,409600E+22	2,177885E+22	1,908176E+22	1,721325E+22	1,721316E+22	1,908158E+22	2,177870E+22
2648	2,409586E+22	2,541210E+22	2,586086E+22	2,586121E+22	2,541296E+22	2,409688E+22	2,177945E+22	1,908193E+22	1,721322E+22	1,721309E+22	1,908152E+22	2,177885E+22
2649	2,409648E+22	2,541311E+22	2,586175E+22	2,586156E+22	2,541255E+22	2,409594E+22	2,177873E+22	1,908167E+22	1,721323E+22	1,721321E+22	1,908159E+22	2,177864E+22
2650	2,409591E+22	2,541225E+22	2,586057E+22	2,586036E+22	2,541179E+22	2,409559E+22	2,177864E+22	1,908182E+22	1,721339E+22	1,721324E+22	1,908155E+22	2,177862E+22
2651	2,409597E+22	2,541263E+22	2,586160E+22	2,586178E+22	2,541318E+22	2,409653E+22	2,177867E+22	1,908128E+22	1,721291E+22	1,721300E+22	1,908159E+22	2,177889E+22
2652	2,409629E+22	2,541271E+22	2,586137E+22	2,586122E+22	2,541226E+22	2,409576E+22	2,177835E+22	1,908100E+22	1,721247E+22	1,721261E+22	1,908134E+22	2,177869E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409591E+22	2,541193E+22	2,586037E+22	2,586076E+22	2,541242E+22	2,409608E+22	2,177868E+22	1,908119E+22	1,721230E+22	1,721212E+22	1,908083E+22	2,177855E+22
2654	2,409648E+22	2,541325E+22	2,586189E+22	2,586185E+22	2,541324E+22	2,409643E+22	2,177840E+22	1,908071E+22	1,721195E+22	1,721199E+22	1,908087E+22	2,177848E+22
2655	2,409610E+22	2,541265E+22	2,586117E+22	2,586071E+22	2,541178E+22	2,409560E+22	2,177831E+22	1,908087E+22	1,721207E+22	1,721195E+22	1,908063E+22	2,177812E+22
2656	2,409563E+22	2,541206E+22	2,586090E+22	2,586129E+22	2,541283E+22	2,409650E+22	2,177882E+22	1,908096E+22	1,721194E+22	1,721179E+22	1,908049E+22	2,177815E+22
2657	2,409609E+22	2,541296E+22	2,586182E+22	2,586199E+22	2,541316E+22	2,409615E+22	2,177823E+22	1,908061E+22	1,721188E+22	1,721198E+22	1,908080E+22	2,177827E+22
2658	2,409575E+22	2,541210E+22	2,586040E+22	2,586029E+22	2,541195E+22	2,409575E+22	2,177828E+22	1,908088E+22	1,721217E+22	1,721214E+22	1,908091E+22	2,177844E+22
2659	2,409589E+22	2,541229E+22	2,586105E+22	2,586133E+22	2,541300E+22	2,409668E+22	2,177880E+22	1,908099E+22	1,721217E+22	1,721215E+22	1,908096E+22	2,177868E+22
2660	2,409642E+22	2,541287E+22	2,586138E+22	2,586116E+22	2,541219E+22	2,409572E+22	2,177838E+22	1,908101E+22	1,721236E+22	1,721242E+22	1,908114E+22	2,177857E+22
2661	2,409596E+22	2,541210E+22	2,586042E+22	2,586048E+22	2,541192E+22	2,409562E+22	2,177852E+22	1,908142E+22	1,721279E+22	1,721262E+22	1,908109E+22	2,177846E+22
2662	2,409619E+22	2,541307E+22	2,586196E+22	2,586195E+22	2,541318E+22	2,409634E+22	2,177851E+22	1,908123E+22	1,721289E+22	1,721306E+22	1,908167E+22	2,177878E+22
2663	2,409601E+22	2,541253E+22	2,586132E+22	2,586109E+22	2,541204E+22	2,409562E+22	2,177843E+22	1,908150E+22	1,721331E+22	1,721345E+22	1,908185E+22	2,177876E+22
2664	2,409570E+22	2,541176E+22	2,586046E+22	2,586097E+22	2,541272E+22	2,409659E+22	2,177928E+22	1,908200E+22	1,721349E+22	1,721341E+22	1,908171E+22	2,177879E+22
2665	2,409627E+22	2,541291E+22	2,586167E+22	2,586181E+22	2,541316E+22	2,409650E+22	2,177904E+22	1,908200E+22	1,721371E+22	1,721373E+22	1,908201E+22	2,177892E+22
2666	2,409608E+22	2,541234E+22	2,586061E+22	2,586022E+22	2,541155E+22	2,409559E+22	2,177889E+22	1,908232E+22	1,721414E+22	1,721399E+22	1,908205E+22	2,177882E+22
2667	2,409588E+22	2,541220E+22	2,586098E+22	2,586119E+22	2,541263E+22	2,409642E+22	2,177932E+22	1,908242E+22	1,721413E+22	1,721394E+22	1,908198E+22	2,177881E+22
2668	2,409616E+22	2,541283E+22	2,586164E+22	2,586158E+22	2,541246E+22	2,409574E+22	2,177867E+22	1,908201E+22	1,721396E+22	1,721408E+22	1,908226E+22	2,177887E+22
2669	2,409568E+22	2,541184E+22	2,586038E+22	2,586044E+22	2,541187E+22	2,409560E+22	2,177862E+22	1,908192E+22	1,721375E+22	1,721373E+22	1,908196E+22	2,177883E+22
2670	2,409597E+22	2,541253E+22	2,586150E+22	2,586170E+22	2,541312E+22	2,409662E+22	2,177892E+22	1,908159E+22	1,721326E+22	1,721343E+22	1,908199E+22	2,177908E+22
2671	2,409627E+22	2,541257E+22	2,586117E+22	2,586106E+22	2,541204E+22	2,409564E+22	2,177856E+22	1,908154E+22	1,721317E+22	1,721320E+22	1,908165E+22	2,177877E+22
2672	2,409596E+22	2,541200E+22	2,586025E+22	2,586048E+22	2,541227E+22	2,409619E+22	2,177897E+22	1,908170E+22	1,721299E+22	1,721273E+22	1,908104E+22	2,177834E+22
2673	2,409613E+22	2,541310E+22	2,586191E+22	2,586185E+22	2,541311E+22	2,409640E+22	2,177870E+22	1,908134E+22	1,721280E+22	1,721277E+22	1,908122E+22	2,177840E+22
2674	2,409585E+22	2,541244E+22	2,586104E+22	2,586069E+22	2,541165E+22	2,409532E+22	2,177823E+22	1,908124E+22	1,721283E+22	1,721281E+22	1,908128E+22	2,177841E+22
2675	2,409557E+22	2,541182E+22	2,586065E+22	2,586116E+22	2,541275E+22	2,409637E+22	2,177885E+22	1,908140E+22	1,721273E+22	1,721262E+22	1,908112E+22	2,177843E+22
2676	2,409600E+22	2,541264E+22	2,586139E+22	2,586164E+22	2,541293E+22	2,409614E+22	2,177850E+22	1,908111E+22	1,721260E+22	1,721278E+22	1,908147E+22	2,177866E+22
2677	2,409583E+22	2,541197E+22	2,586021E+22	2,586006E+22	2,541163E+22	2,409553E+22	2,177837E+22	1,908127E+22	1,721276E+22	1,721271E+22	1,908126E+22	2,177858E+22
2678	2,409601E+22	2,541252E+22	2,586125E+22	2,586127E+22	2,541270E+22	2,409644E+22	2,177890E+22	1,908144E+22	1,721288E+22	1,721289E+22	1,908145E+22	2,177873E+22
2679	2,409626E+22	2,541282E+22	2,586149E+22	2,586129E+22	2,541204E+22	2,409542E+22	2,177836E+22	1,908151E+22	1,721327E+22	1,721336E+22	1,908173E+22	2,177869E+22
2680	2,409582E+22	2,541197E+22	2,586032E+22	2,586047E+22	2,541207E+22	2,409582E+22	2,177872E+22	1,908187E+22	1,721357E+22	1,721345E+22	1,908161E+22	2,177850E+22
2681	2,409585E+22	2,541271E+22	2,586177E+22	2,586196E+22	2,541333E+22	2,409665E+22	2,177901E+22	1,908190E+22	1,721374E+22	1,721386E+22	1,908214E+22	2,177894E+22
2682	2,409599E+22	2,541232E+22	2,586099E+22	2,586083E+22	2,541183E+22	2,409553E+22	2,177870E+22	1,908212E+22	1,721414E+22	1,721423E+22	1,908239E+22	2,177905E+22
2683	2,409581E+22	2,541175E+22	2,586026E+22	2,586063E+22	2,541238E+22	2,409638E+22	2,177952E+22	1,908278E+22	1,721451E+22	1,721426E+22	1,908215E+22	2,177882E+22
2684	2,409608E+22	2,541276E+22	2,586152E+22	2,586154E+22	2,541280E+22	2,409629E+22	2,177922E+22	1,908262E+22	1,721467E+22	1,721470E+22	1,908263E+22	2,177903E+22
2685	2,409584E+22	2,541210E+22	2,586060E+22	2,586022E+22	2,541128E+22	2,409522E+22	2,177877E+22	1,908262E+22	1,721481E+22	1,721474E+22	1,908256E+22	2,177895E+22
2686	2,409575E+22	2,541211E+22	2,586106E+22	2,586129E+22	2,541258E+22	2,409622E+22	2,177925E+22	1,908266E+22	1,721470E+22	1,721471E+22	1,908265E+22	2,177910E+22
2687	2,409604E+22	2,541252E+22	2,586141E+22	2,586152E+22	2,541245E+22	2,409568E+22	2,177869E+22	1,908228E+22	1,721455E+22	1,721478E+22	1,908285E+22	2,177926E+22
2688	2,409585E+22	2,541179E+22	2,586008E+22	2,586010E+22	2,541185E+22	2,409585E+22	2,177894E+22	1,908229E+22	1,721420E+22	1,721416E+22	1,908221E+22	2,177889E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409594E+22	2,541253E+22	2,586146E+22	2,586155E+22	2,541296E+22	2,409666E+22	2,177933E+22	1,908223E+22	1,721393E+22	1,721389E+22	1,908207E+22	2,177898E+22
2690	2,409624E+22	2,541263E+22	2,586120E+22	2,586095E+22	2,541176E+22	2,409531E+22	2,177858E+22	1,908200E+22	1,721390E+22	1,721386E+22	1,908196E+22	2,177872E+22
2691	2,409578E+22	2,541197E+22	2,586035E+22	2,586052E+22	2,541213E+22	2,409590E+22	2,177899E+22	1,908222E+22	1,721383E+22	1,721353E+22	1,908147E+22	2,177823E+22
2692	2,409563E+22	2,541261E+22	2,586165E+22	2,586180E+22	2,541314E+22	2,409640E+22	2,177882E+22	1,908176E+22	1,721356E+22	1,721366E+22	1,908192E+22	2,177864E+22
2693	2,409555E+22	2,541192E+22	2,586070E+22	2,586056E+22	2,541163E+22	2,409533E+22	2,177833E+22	1,908151E+22	1,721334E+22	1,721343E+22	1,908182E+22	2,177874E+22
2694	2,409566E+22	2,541173E+22	2,586045E+22	2,586089E+22	2,541252E+22	2,409630E+22	2,177909E+22	1,908183E+22	1,721331E+22	1,721328E+22	1,908169E+22	2,177875E+22
2695	2,409609E+22	2,541256E+22	2,586116E+22	2,586131E+22	2,541256E+22	2,409589E+22	2,177864E+22	1,908170E+22	1,721346E+22	1,721358E+22	1,908199E+22	2,177894E+22
2696	2,409601E+22	2,541215E+22	2,586021E+22	2,585980E+22	2,541143E+22	2,409552E+22	2,177856E+22	1,908176E+22	1,721352E+22	1,721345E+22	1,908165E+22	2,177854E+22
2697	2,409580E+22	2,541251E+22	2,586146E+22	2,586141E+22	2,541260E+22	2,409630E+22	2,177912E+22	1,908206E+22	1,721376E+22	1,721371E+22	1,908187E+22	2,177877E+22
2698	2,409612E+22	2,541267E+22	2,586146E+22	2,586140E+22	2,541209E+22	2,409525E+22	2,177834E+22	1,908193E+22	1,721410E+22	1,721427E+22	1,908239E+22	2,177896E+22
2699	2,409577E+22	2,541181E+22	2,586019E+22	2,586041E+22	2,541209E+22	2,409583E+22	2,177894E+22	1,908245E+22	1,721441E+22	1,721429E+22	1,908217E+22	2,177864E+22
2700	2,409564E+22	2,541232E+22	2,586135E+22	2,586162E+22	2,541315E+22	2,409672E+22	2,177942E+22	1,908261E+22	1,721461E+22	1,721471E+22	1,908272E+22	2,177916E+22
2701	2,409587E+22	2,541210E+22	2,586081E+22	2,586058E+22	2,541151E+22	2,409533E+22	2,177887E+22	1,908270E+22	1,721493E+22	1,721493E+22	1,908277E+22	2,177912E+22
2702	2,409577E+22	2,541181E+22	2,586037E+22	2,586051E+22	2,541201E+22	2,409604E+22	2,177957E+22	1,908326E+22	1,721533E+22	1,721515E+22	1,908273E+22	2,177888E+22
2703	2,409582E+22	2,541250E+22	2,586145E+22	2,586151E+22	2,541260E+22	2,409596E+22	2,177916E+22	1,908307E+22	1,721554E+22	1,721566E+22	1,908332E+22	2,177929E+22
2704	2,409574E+22	2,541191E+22	2,586042E+22	2,586011E+22	2,541140E+22	2,409536E+22	2,177885E+22	1,908289E+22	1,721539E+22	1,721543E+22	1,908308E+22	2,177910E+22
2705	2,409557E+22	2,541185E+22	2,586092E+22	2,586125E+22	2,541263E+22	2,409638E+22	2,177958E+22	1,908312E+22	1,721529E+22	1,721526E+22	1,908299E+22	2,177932E+22
2706	2,409618E+22	2,541244E+22	2,586117E+22	2,586130E+22	2,541230E+22	2,409558E+22	2,177884E+22	1,908274E+22	1,721515E+22	1,721531E+22	1,908319E+22	2,177946E+22
2707	2,409601E+22	2,541192E+22	2,586007E+22	2,585990E+22	2,541161E+22	2,409569E+22	2,177914E+22	1,908292E+22	1,721497E+22	1,721475E+22	1,908244E+22	2,177877E+22
2708	2,409567E+22	2,541234E+22	2,586138E+22	2,586140E+22	2,541275E+22	2,409656E+22	2,177956E+22	1,908281E+22	1,721474E+22	1,721467E+22	1,908252E+22	2,177896E+22
2709	2,409586E+22	2,541232E+22	2,586122E+22	2,586102E+22	2,541164E+22	2,409507E+22	2,177854E+22	1,908234E+22	1,721451E+22	1,721452E+22	1,908241E+22	2,177881E+22
2710	2,409557E+22	2,541173E+22	2,586029E+22	2,586051E+22	2,541210E+22	2,409581E+22	2,177899E+22	1,908248E+22	1,721444E+22	1,721433E+22	1,908217E+22	2,177853E+22
2711	2,409549E+22	2,541219E+22	2,586124E+22	2,586151E+22	2,541303E+22	2,409638E+22	2,177895E+22	1,908214E+22	1,721421E+22	1,721442E+22	1,908258E+22	2,177911E+22
2712	2,409579E+22	2,541188E+22	2,586033E+22	2,586004E+22	2,541143E+22	2,409544E+22	2,177861E+22	1,908196E+22	1,721391E+22	1,721397E+22	1,908217E+22	2,177891E+22
2713	2,409575E+22	2,541185E+22	2,586052E+22	2,586073E+22	2,541221E+22	2,409611E+22	2,177933E+22	1,908249E+22	1,721411E+22	1,721388E+22	1,908190E+22	2,177881E+22
2714	2,409622E+22	2,541273E+22	2,586133E+22	2,586128E+22	2,541226E+22	2,409544E+22	2,177852E+22	1,908213E+22	1,721426E+22	1,721437E+22	1,908242E+22	2,177898E+22
2715	2,409590E+22	2,541218E+22	2,586044E+22	2,585998E+22	2,541137E+22	2,409524E+22	2,177857E+22	1,908230E+22	1,721438E+22	1,721430E+22	1,908213E+22	2,177848E+22
2716	2,409533E+22	2,541205E+22	2,586130E+22	2,586148E+22	2,541278E+22	2,409644E+22	2,177933E+22	1,908256E+22	1,721457E+22	1,721461E+22	1,908253E+22	2,177894E+22
2717	2,409574E+22	2,541216E+22	2,586121E+22	2,586131E+22	2,541211E+22	2,409535E+22	2,177858E+22	1,908238E+22	1,721475E+22	1,721495E+22	1,908288E+22	2,177917E+22
2718	2,409571E+22	2,541163E+22	2,586000E+22	2,586015E+22	2,541190E+22	2,409585E+22	2,177929E+22	1,908307E+22	1,721524E+22	1,721514E+22	1,908276E+22	2,177884E+22
2719	2,409555E+22	2,541205E+22	2,586103E+22	2,586123E+22	2,541282E+22	2,409655E+22	2,177964E+22	1,908332E+22	1,721565E+22	1,721568E+22	1,908333E+22	2,177940E+22
2720	2,409591E+22	2,541207E+22	2,586063E+22	2,586023E+22	2,541126E+22	2,409527E+22	2,177905E+22	1,908326E+22	1,721580E+22	1,721580E+22	1,908330E+22	2,177919E+22
2721	2,409558E+22	2,541169E+22	2,586046E+22	2,586057E+22	2,541186E+22	2,409580E+22	2,177966E+22	1,908383E+22	1,721620E+22	1,721598E+22	1,908326E+22	2,177914E+22
2722	2,409583E+22	2,541232E+22	2,586131E+22	2,586146E+22	2,541252E+22	2,409572E+22	2,177903E+22	1,908336E+22	1,721623E+22	1,721648E+22	1,908399E+22	2,177969E+22
2723	2,409588E+22	2,541187E+22	2,586034E+22	2,586000E+22	2,541131E+22	2,409534E+22	2,177904E+22	1,908333E+22	1,721598E+22	1,721604E+22	1,908351E+22	2,177928E+22
2724	2,409553E+22	2,541168E+22	2,586070E+22	2,586101E+22	2,541247E+22	2,409643E+22	2,177990E+22	1,908367E+22	1,721593E+22	1,721582E+22	1,908333E+22	2,177941E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409609E+22	2,541240E+22	2,586121E+22	2,586117E+22	2,541207E+22	2,409542E+22	2,177893E+22	1,908317E+22	1,721574E+22	1,721578E+22	1,908333E+22	2,177935E+22
2726	2,409589E+22	2,541198E+22	2,586030E+22	2,585996E+22	2,541144E+22	2,409548E+22	2,177917E+22	1,908330E+22	1,721568E+22	1,721551E+22	1,908285E+22	2,177867E+22
2727	2,409527E+22	2,541191E+22	2,586120E+22	2,586138E+22	2,541270E+22	2,409641E+22	2,177958E+22	1,908325E+22	1,721553E+22	1,721551E+22	1,908311E+22	2,177914E+22
2728	2,409566E+22	2,541195E+22	2,586087E+22	2,586082E+22	2,541176E+22	2,409530E+22	2,177872E+22	1,908268E+22	1,721509E+22	1,721517E+22	1,908291E+22	2,177900E+22
2729	2,409543E+22	2,541142E+22	2,586007E+22	2,586033E+22	2,541196E+22	2,409584E+22	2,177929E+22	1,908302E+22	1,721507E+22	1,721489E+22	1,908256E+22	2,177886E+22
2730	2,409573E+22	2,541211E+22	2,586095E+22	2,586113E+22	2,541266E+22	2,409613E+22	2,177902E+22	1,908263E+22	1,721492E+22	1,721509E+22	1,908303E+22	2,177940E+22
2731	2,409604E+22	2,541210E+22	2,586042E+22	2,585986E+22	2,541108E+22	2,409516E+22	2,177872E+22	1,908253E+22	1,721468E+22	1,721465E+22	1,908249E+22	2,177887E+22
2732	2,409556E+22	2,541175E+22	2,586057E+22	2,586069E+22	2,541200E+22	2,409591E+22	2,177940E+22	1,908300E+22	1,721493E+22	1,721471E+22	1,908240E+22	2,177882E+22
2733	2,409588E+22	2,541250E+22	2,586147E+22	2,586146E+22	2,541226E+22	2,409526E+22	2,177845E+22	1,908247E+22	1,721494E+22	1,721508E+22	1,908289E+22	2,177909E+22
2734	2,409572E+22	2,541196E+22	2,586046E+22	2,586011E+22	2,541150E+22	2,409529E+22	2,177864E+22	1,908263E+22	1,721510E+22	1,721519E+22	1,908281E+22	2,177871E+22
2735	2,409511E+22	2,541152E+22	2,586082E+22	2,586121E+22	2,541274E+22	2,409659E+22	2,177967E+22	1,908317E+22	1,721540E+22	1,721546E+22	1,908318E+22	2,177930E+22
2736	2,409584E+22	2,541200E+22	2,586079E+22	2,586083E+22	2,541195E+22	2,409555E+22	2,177901E+22	1,908306E+22	1,721556E+22	1,721565E+22	1,908327E+22	2,177926E+22
2737	2,409566E+22	2,541159E+22	2,585998E+22	2,585993E+22	2,541151E+22	2,409566E+22	2,177958E+22	1,908385E+22	1,721624E+22	1,721594E+22	1,908312E+22	2,177895E+22
2738	2,409560E+22	2,541202E+22	2,586098E+22	2,586105E+22	2,541243E+22	2,409612E+22	2,177956E+22	1,908384E+22	1,721660E+22	1,721667E+22	1,908396E+22	2,177958E+22
2739	2,409587E+22	2,541205E+22	2,586073E+22	2,586027E+22	2,541110E+22	2,409498E+22	2,177904E+22	1,908375E+22	1,721664E+22	1,721669E+22	1,908390E+22	2,177932E+22
2740	2,409531E+22	2,541131E+22	2,586026E+22	2,586056E+22	2,541191E+22	2,409584E+22	2,177976E+22	1,908424E+22	1,721692E+22	1,721680E+22	1,908391E+22	2,177942E+22
2741	2,409570E+22	2,541207E+22	2,586120E+22	2,586137E+22	2,541244E+22	2,409573E+22	2,177917E+22	1,908370E+22	1,721673E+22	1,721698E+22	1,908435E+22	2,177990E+22
2742	2,409598E+22	2,541189E+22	2,586035E+22	2,585992E+22	2,541117E+22	2,409532E+22	2,177925E+22	1,908379E+22	1,721664E+22	1,721669E+22	1,908387E+22	2,177931E+22
2743	2,409541E+22	2,541152E+22	2,586055E+22	2,586081E+22	2,541226E+22	2,409636E+22	2,178011E+22	1,908426E+22	1,721675E+22	1,721656E+22	1,908371E+22	2,177942E+22
2744	2,409598E+22	2,541232E+22	2,586111E+22	2,586100E+22	2,541197E+22	2,409546E+22	2,177912E+22	1,908365E+22	1,721646E+22	1,721646E+22	1,908367E+22	2,177925E+22
2745	2,409554E+22	2,541172E+22	2,586033E+22	2,586008E+22	2,541139E+22	2,409538E+22	2,177929E+22	1,908383E+22	1,721645E+22	1,721621E+22	1,908331E+22	2,177889E+22
2746	2,409523E+22	2,541155E+22	2,586084E+22	2,586121E+22	2,541259E+22	2,409628E+22	2,177949E+22	1,908351E+22	1,721618E+22	1,721629E+22	1,908375E+22	2,177954E+22
2747	2,409580E+22	2,541182E+22	2,586061E+22	2,586052E+22	2,541148E+22	2,409522E+22	2,177893E+22	1,908314E+22	1,721568E+22	1,721578E+22	1,908336E+22	2,177923E+22
2748	2,409547E+22	2,541129E+22	2,585983E+22	2,586002E+22	2,541165E+22	2,409572E+22	2,177947E+22	1,908353E+22	1,721575E+22	1,721550E+22	1,908294E+22	2,177899E+22
2749	2,409570E+22	2,541218E+22	2,586110E+22	2,586101E+22	2,541227E+22	2,409577E+22	2,177894E+22	1,908297E+22	1,721553E+22	1,721563E+22	1,908327E+22	2,177936E+22
2750	2,409598E+22	2,541221E+22	2,586074E+22	2,586007E+22	2,541096E+22	2,409493E+22	2,177863E+22	1,908282E+22	1,721540E+22	1,721548E+22	1,908295E+22	2,177880E+22
2751	2,409519E+22	2,541138E+22	2,586046E+22	2,586080E+22	2,541211E+22	2,409592E+22	2,177946E+22	1,908340E+22	1,721571E+22	1,721556E+22	1,908299E+22	2,177898E+22
2752	2,409568E+22	2,541213E+22	2,586111E+22	2,586133E+22	2,541250E+22	2,409566E+22	2,177876E+22	1,908292E+22	1,721560E+22	1,721577E+22	1,908335E+22	2,177921E+22
2753	2,409553E+22	2,541161E+22	2,586021E+22	2,586000E+22	2,541143E+22	2,409547E+22	2,177913E+22	1,908339E+22	1,721596E+22	1,721587E+22	1,908323E+22	2,177901E+22
2754	2,409527E+22	2,541131E+22	2,586039E+22	2,586077E+22	2,541236E+22	2,409642E+22	2,177990E+22	1,908388E+22	1,721640E+22	1,721637E+22	1,908373E+22	2,177955E+22
2755	2,409597E+22	2,541207E+22	2,586075E+22	2,586053E+22	2,541146E+22	2,409528E+22	2,177927E+22	1,908384E+22	1,721659E+22	1,721661E+22	1,908381E+22	2,177931E+22
2756	2,409547E+22	2,541144E+22	2,585997E+22	2,585983E+22	2,541118E+22	2,409536E+22	2,177965E+22	1,908445E+22	1,721723E+22	1,721697E+22	1,908383E+22	2,177912E+22
2757	2,409536E+22	2,541186E+22	2,586107E+22	2,586111E+22	2,541225E+22	2,409580E+22	2,177939E+22	1,908414E+22	1,721733E+22	1,721749E+22	1,908457E+22	2,177985E+22
2758	2,409587E+22	2,541197E+22	2,586077E+22	2,586040E+22	2,541117E+22	2,409498E+22	2,177899E+22	1,908395E+22	1,721728E+22	1,721754E+22	1,908454E+22	2,177960E+22
2759	2,409529E+22	2,541105E+22	2,585994E+22	2,586034E+22	2,541185E+22	2,409595E+22	2,178002E+22	1,908470E+22	1,721758E+22	1,721747E+22	1,908440E+22	2,177971E+22
2760	2,409587E+22	2,541208E+22	2,586097E+22	2,586109E+22	2,541237E+22	2,409592E+22	2,177953E+22	1,908426E+22	1,721738E+22	1,721747E+22	1,908452E+22	2,177982E+22



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2761	2,409586E+22	2,541191E+22	2,586051E+22	2,585998E+22	2,541096E+22	2,409519E+22	2,177949E+22	1,908444E+22	1,721745E+22	1,721727E+22	1,908406E+22	2,177926E+22
2762	2,409527E+22	2,541131E+22	2,586042E+22	2,586074E+22	2,541203E+22	2,409608E+22	2,178008E+22	1,908471E+22	1,721758E+22	1,721740E+22	1,908421E+22	2,177945E+22
2763	2,409573E+22	2,541209E+22	2,586104E+22	2,586102E+22	2,541188E+22	2,409536E+22	2,177924E+22	1,908408E+22	1,721716E+22	1,721722E+22	1,908419E+22	2,177931E+22
2764	2,409518E+22	2,541120E+22	2,585993E+22	2,585990E+22	2,541132E+22	2,409543E+22	2,177944E+22	1,908420E+22	1,721709E+22	1,721695E+22	1,908390E+22	2,177915E+22
2765	2,409513E+22	2,541132E+22	2,586057E+22	2,586088E+22	2,541227E+22	2,409615E+22	2,177959E+22	1,908384E+22	1,721667E+22	1,721678E+22	1,908411E+22	2,177979E+22
2766	2,409602E+22	2,541194E+22	2,586058E+22	2,586035E+22	2,541121E+22	2,409503E+22	2,177894E+22	1,908347E+22	1,721632E+22	1,721646E+22	1,908375E+22	2,177932E+22
2767	2,409546E+22	2,541125E+22	2,585973E+22	2,585984E+22	2,541139E+22	2,409555E+22	2,177953E+22	1,908395E+22	1,721648E+22	1,721623E+22	1,908337E+22	2,177909E+22
2768	2,409567E+22	2,541218E+22	2,586110E+22	2,586102E+22	2,541224E+22	2,409575E+22	2,177905E+22	1,908337E+22	1,721617E+22	1,721626E+22	1,908361E+22	2,177930E+22
2769	2,409568E+22	2,541201E+22	2,586085E+22	2,586036E+22	2,541105E+22	2,409493E+22	2,177878E+22	1,908331E+22	1,721615E+22	1,721616E+22	1,908341E+22	2,177901E+22
2770	2,409512E+22	2,541101E+22	2,586008E+22	2,586064E+22	2,541209E+22	2,409599E+22	2,177962E+22	1,908383E+22	1,721648E+22	1,721641E+22	1,908361E+22	2,177927E+22
2771	2,409573E+22	2,541199E+22	2,586084E+22	2,586101E+22	2,541221E+22	2,409572E+22	2,177924E+22	1,908362E+22	1,721641E+22	1,721653E+22	1,908382E+22	2,177935E+22
2772	2,409546E+22	2,541142E+22	2,585993E+22	2,585967E+22	2,541106E+22	2,409534E+22	2,177944E+22	1,908416E+22	1,721696E+22	1,721676E+22	1,908374E+22	2,177910E+22
2773	2,409517E+22	2,541134E+22	2,586044E+22	2,586055E+22	2,541186E+22	2,409599E+22	2,177986E+22	1,908440E+22	1,721729E+22	1,721723E+22	1,908421E+22	2,177962E+22
2774	2,409589E+22	2,541210E+22	2,586093E+22	2,586067E+22	2,541128E+22	2,409494E+22	2,177911E+22	1,908419E+22	1,721751E+22	1,721769E+22	1,908451E+22	2,177943E+22
2775	2,409519E+22	2,541110E+22	2,585981E+22	2,585988E+22	2,541121E+22	2,409530E+22	2,177963E+22	1,908481E+22	1,721802E+22	1,721791E+22	1,908457E+22	2,177946E+22
2776	2,409533E+22	2,541162E+22	2,586079E+22	2,586102E+22	2,541235E+22	2,409602E+22	2,177963E+22	1,908451E+22	1,721792E+22	1,721813E+22	1,908503E+22	2,178003E+22
2777	2,409582E+22	2,541182E+22	2,586068E+22	2,586043E+22	2,541117E+22	2,409512E+22	2,177941E+22	1,908460E+22	1,721800E+22	1,721808E+22	1,908486E+22	2,177983E+22
2778	2,409544E+22	2,541097E+22	2,585968E+22	2,586008E+22	2,541164E+22	2,409587E+22	2,178021E+22	1,908527E+22	1,721841E+22	1,721820E+22	1,908477E+22	2,177974E+22
2779	2,409584E+22	2,541212E+22	2,586098E+22	2,586091E+22	2,541200E+22	2,409580E+22	2,177986E+22	1,908493E+22	1,721823E+22	1,721823E+22	1,908488E+22	2,177970E+22
2780	2,409548E+22	2,541160E+22	2,586040E+22	2,585998E+22	2,541081E+22	2,409504E+22	2,177964E+22	1,908501E+22	1,721832E+22	1,721815E+22	1,908463E+22	2,177931E+22
2781	2,409492E+22	2,541100E+22	2,586027E+22	2,586065E+22	2,541186E+22	2,409583E+22	2,177996E+22	1,908496E+22	1,721819E+22	1,721813E+22	1,908477E+22	2,177971E+22
2782	2,409568E+22	2,541187E+22	2,586082E+22	2,586092E+22	2,541182E+22	2,409532E+22	2,177922E+22	1,908426E+22	1,721773E+22	1,721800E+22	1,908481E+22	2,177961E+22
2783	2,409521E+22	2,541098E+22	2,585953E+22	2,585952E+22	2,541107E+22	2,409539E+22	2,177962E+22	1,908456E+22	1,721763E+22	1,721752E+22	1,908436E+22	2,177948E+22
2784	2,409538E+22	2,541145E+22	2,586040E+22	2,586056E+22	2,541200E+22	2,409604E+22	2,177974E+22	1,908425E+22	1,721721E+22	1,721721E+22	1,908426E+22	2,177973E+22
2785	2,409598E+22	2,541211E+22	2,586084E+22	2,586050E+22	2,541104E+22	2,409483E+22	2,177904E+22	1,908395E+22	1,721700E+22	1,721697E+22	1,908396E+22	2,177932E+22
2786	2,409537E+22	2,541116E+22	2,585972E+22	2,585992E+22	2,541131E+22	2,409533E+22	2,177947E+22	1,908430E+22	1,721721E+22	1,721701E+22	1,908385E+22	2,177911E+22
2787	2,409543E+22	2,541199E+22	2,586107E+22	2,586111E+22	2,541224E+22	2,409583E+22	2,177934E+22	1,908385E+22	1,721687E+22	1,721700E+22	1,908409E+22	2,177933E+22
2788	2,409531E+22	2,541152E+22	2,586051E+22	2,586029E+22	2,541110E+22	2,409511E+22	2,177915E+22	1,908390E+22	1,721694E+22	1,721698E+22	1,908399E+22	2,177918E+22
2789	2,409495E+22	2,541078E+22	2,585977E+22	2,586028E+22	2,541177E+22	2,409590E+22	2,177987E+22	1,908442E+22	1,721726E+22	1,721714E+22	1,908409E+22	2,177947E+22
2790	2,409577E+22	2,541200E+22	2,586074E+22	2,586081E+22	2,541193E+22	2,409555E+22	2,177935E+22	1,908417E+22	1,721739E+22	1,721753E+22	1,908440E+22	2,177945E+22
2791	2,409534E+22	2,541129E+22	2,585975E+22	2,585941E+22	2,541071E+22	2,409509E+22	2,177954E+22	1,908474E+22	1,721793E+22	1,721778E+22	1,908443E+22	2,177935E+22
2792	2,409516E+22	2,541129E+22	2,586037E+22	2,586052E+22	2,541173E+22	2,409580E+22	2,177990E+22	1,908486E+22	1,721811E+22	1,721809E+22	1,908479E+22	2,177978E+22
2793	2,409574E+22	2,541196E+22	2,586101E+22	2,586091E+22	2,541137E+22	2,409487E+22	2,177915E+22	1,908459E+22	1,721824E+22	1,721844E+22	1,908512E+22	2,177984E+22
2794	2,409527E+22	2,541086E+22	2,585948E+22	2,585970E+22	2,541117E+22	2,409534E+22	2,177977E+22	1,908517E+22	1,721870E+22	1,721870E+22	1,908519E+22	2,177982E+22
2795	2,409549E+22	2,541164E+22	2,586067E+22	2,586078E+22	2,541209E+22	2,409610E+22	2,178013E+22	1,908517E+22	1,721861E+22	1,721873E+22	1,908536E+22	2,178007E+22
2796	2,409571E+22	2,541171E+22	2,586056E+22	2,586027E+22	2,541094E+22	2,409503E+22	2,177973E+22	1,908530E+22	1,721889E+22	1,721882E+22	1,908517E+22	2,177970E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409519E+22	2,541098E+22	2,585975E+22	2,585994E+22	2,541129E+22	2,409556E+22	2,178024E+22	1,908576E+22	1,721921E+22	1,721896E+22	1,908512E+22	2,177964E+22
2798	2,409554E+22	2,541198E+22	2,586106E+22	2,586104E+22	2,541196E+22	2,409559E+22	2,177976E+22	1,908525E+22	1,721903E+22	1,721917E+22	1,908545E+22	2,177972E+22
2799	2,409509E+22	2,541110E+22	2,586003E+22	2,585985E+22	2,541082E+22	2,409503E+22	2,177971E+22	1,908535E+22	1,721899E+22	1,721895E+22	1,908530E+22	2,177966E+22
2800	2,409489E+22	2,541069E+22	2,585983E+22	2,586036E+22	2,541179E+22	2,409590E+22	2,178018E+22	1,908531E+22	1,721867E+22	1,721863E+22	1,908517E+22	2,177994E+22
2801	2,409572E+22	2,541178E+22	2,586068E+22	2,586077E+22	2,541164E+22	2,409525E+22	2,177946E+22	1,908477E+22	1,721829E+22	1,721843E+22	1,908513E+22	2,177992E+22
2802	2,409542E+22	2,541103E+22	2,585937E+22	2,585921E+22	2,541074E+22	2,409517E+22	2,177967E+22	1,908497E+22	1,721830E+22	1,721817E+22	1,908473E+22	2,177957E+22
2803	2,409543E+22	2,541166E+22	2,586061E+22	2,586049E+22	2,541164E+22	2,409584E+22	2,177996E+22	1,908475E+22	1,721789E+22	1,721786E+22	1,908459E+22	2,177962E+22
2804	2,409564E+22	2,541190E+22	2,586090E+22	2,586070E+22	2,541108E+22	2,409470E+22	2,177914E+22	1,908443E+22	1,721777E+22	1,721776E+22	1,908444E+22	2,177930E+22
2805	2,409504E+22	2,541095E+22	2,585966E+22	2,585993E+22	2,541133E+22	2,409524E+22	2,177945E+22	1,908459E+22	1,721784E+22	1,721773E+22	1,908437E+22	2,177929E+22
2806	2,409529E+22	2,541173E+22	2,586085E+22	2,586104E+22	2,541229E+22	2,409592E+22	2,177950E+22	1,908423E+22	1,721759E+22	1,721784E+22	1,908467E+22	2,177955E+22
2807	2,409523E+22	2,541122E+22	2,586007E+22	2,585989E+22	2,541090E+22	2,409513E+22	2,177951E+22	1,908454E+22	1,721775E+22	1,721775E+22	1,908456E+22	2,177949E+22
2808	2,409508E+22	2,541076E+22	2,585954E+22	2,585992E+22	2,541142E+22	2,409568E+22	2,178006E+22	1,908502E+22	1,721808E+22	1,721787E+22	1,908446E+22	2,177950E+22
2809	2,409566E+22	2,541200E+22	2,586087E+22	2,586085E+22	2,541170E+22	2,409527E+22	2,177944E+22	1,908475E+22	1,721827E+22	1,721835E+22	1,908495E+22	2,177966E+22
2810	2,409526E+22	2,541113E+22	2,585967E+22	2,585939E+22	2,541060E+22	2,409484E+22	2,177945E+22	1,908508E+22	1,721875E+22	1,721874E+22	1,908513E+22	2,177958E+22
2811	2,409506E+22	2,541116E+22	2,586032E+22	2,586047E+22	2,541162E+22	2,409578E+22	2,178013E+22	1,908531E+22	1,721882E+22	1,721888E+22	1,908537E+22	2,177996E+22
2812	2,409555E+22	2,541162E+22	2,586074E+22	2,586084E+22	2,541142E+22	2,409502E+22	2,177953E+22	1,908521E+22	1,721902E+22	1,721919E+22	1,908561E+22	2,177999E+22
2813	2,409524E+22	2,541084E+22	2,585935E+22	2,585943E+22	2,541092E+22	2,409523E+22	2,177999E+22	1,908574E+22	1,721944E+22	1,721935E+22	1,908555E+22	2,177991E+22
2814	2,409547E+22	2,541167E+22	2,586068E+22	2,586069E+22	2,541191E+22	2,409597E+22	2,178028E+22	1,908575E+22	1,721955E+22	1,721962E+22	1,908578E+22	2,178001E+22
2815	2,409543E+22	2,541149E+22	2,586043E+22	2,586011E+22	2,541074E+22	2,409490E+22	2,177993E+22	1,908591E+22	1,721979E+22	1,721972E+22	1,908576E+22	2,177981E+22
2816	2,409497E+22	2,541072E+22	2,585958E+22	2,585987E+22	2,541121E+22	2,409538E+22	2,178029E+22	1,908620E+22	1,721995E+22	1,721973E+22	1,908564E+22	2,177974E+22
2817	2,409527E+22	2,541165E+22	2,586092E+22	2,586109E+22	2,541204E+22	2,409558E+22	2,177983E+22	1,908561E+22	1,721965E+22	1,721984E+22	1,908606E+22	2,178016E+22
2818	2,409516E+22	2,541082E+22	2,585960E+22	2,585948E+22	2,541064E+22	2,409498E+22	2,177981E+22	1,908565E+22	1,721955E+22	1,721962E+22	1,908588E+22	2,178006E+22
2819	2,409515E+22	2,541080E+22	2,585974E+22	2,586000E+22	2,541134E+22	2,409575E+22	2,178051E+22	1,908584E+22	1,721924E+22	1,721912E+22	1,908545E+22	2,178003E+22
2820	2,409573E+22	2,541182E+22	2,586071E+22	2,586067E+22	2,541140E+22	2,409503E+22	2,177960E+22	1,908531E+22	1,721902E+22	1,721904E+22	1,908537E+22	2,177980E+22
2821	2,409527E+22	2,541117E+22	2,585962E+22	2,585922E+22	2,541050E+22	2,409482E+22	2,177956E+22	1,908526E+22	1,721890E+22	1,721880E+22	1,908506E+22	2,177950E+22
2822	2,409516E+22	2,541155E+22	2,586078E+22	2,586078E+22	2,541180E+22	2,409573E+22	2,177986E+22	1,908501E+22	1,721858E+22	1,721865E+22	1,908507E+22	2,177961E+22
2823	2,409523E+22	2,541141E+22	2,586058E+22	2,586063E+22	2,541125E+22	2,409487E+22	2,177935E+22	1,908482E+22	1,721841E+22	1,721850E+22	1,908503E+22	2,177957E+22
2824	2,409493E+22	2,541056E+22	2,585923E+22	2,585966E+22	2,541133E+22	2,409540E+22	2,177981E+22	1,908512E+22	1,721847E+22	1,721832E+22	1,908477E+22	2,177946E+22
2825	2,409524E+22	2,541152E+22	2,586062E+22	2,586083E+22	2,541215E+22	2,409591E+22	2,177982E+22	1,908489E+22	1,721835E+22	1,721846E+22	1,908512E+22	2,177985E+22
2826	2,409531E+22	2,541112E+22	2,585977E+22	2,585944E+22	2,541049E+22	2,409488E+22	2,177962E+22	1,908511E+22	1,721866E+22	1,721867E+22	1,908514E+22	2,177970E+22
2827	2,409511E+22	2,541086E+22	2,585965E+22	2,585971E+22	2,541092E+22	2,409537E+22	2,178028E+22	1,908563E+22	1,721895E+22	1,721874E+22	1,908502E+22	2,177959E+22
2828	2,409542E+22	2,541178E+22	2,586087E+22	2,586092E+22	2,541161E+22	2,409504E+22	2,177947E+22	1,908527E+22	1,721916E+22	1,721929E+22	1,908559E+22	2,177981E+22
2829	2,409511E+22	2,541103E+22	2,585965E+22	2,585933E+22	2,541052E+22	2,409470E+22	2,177941E+22	1,908536E+22	1,721940E+22	1,721952E+22	1,908573E+22	2,177989E+22
2830	2,409510E+22	2,541109E+22	2,586025E+22	2,586044E+22	2,541165E+22	2,409582E+22	2,178026E+22	1,908572E+22	1,721955E+22	1,721966E+22	1,908586E+22	2,178013E+22
2831	2,409551E+22	2,541145E+22	2,586048E+22	2,586055E+22	2,541129E+22	2,409506E+22	2,177988E+22	1,908588E+22	1,721985E+22	1,721991E+22	1,908604E+22	2,178012E+22
2832	2,409523E+22	2,541080E+22	2,585929E+22	2,585928E+22	2,541072E+22	2,409509E+22	2,178021E+22	1,908639E+22	1,722030E+22	1,722005E+22	1,908583E+22	2,177977E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409516E+22	2,541149E+22	2,586079E+22	2,586084E+22	2,541185E+22	2,409581E+22	2,178041E+22	1,908634E+22	1,722040E+22	1,722041E+22	1,908630E+22	2,178013E+22
2834	2,409515E+22	2,541110E+22	2,586019E+22	2,586000E+22	2,541068E+22	2,409478E+22	2,177995E+22	1,908633E+22	1,722061E+22	1,722067E+22	1,908648E+22	2,178008E+22
2835	2,409484E+22	2,541045E+22	2,585939E+22	2,585963E+22	2,541099E+22	2,409541E+22	2,178057E+22	1,908664E+22	1,722060E+22	1,722046E+22	1,908622E+22	2,178001E+22
2836	2,409517E+22	2,541129E+22	2,586057E+22	2,586083E+22	2,541191E+22	2,409561E+22	2,178012E+22	1,908616E+22	1,722035E+22	1,722050E+22	1,908651E+22	2,178036E+22
2837	2,409528E+22	2,541093E+22	2,585952E+22	2,585915E+22	2,541029E+22	2,409474E+22	2,177983E+22	1,908602E+22	1,722013E+22	1,722016E+22	1,908620E+22	2,178021E+22
2838	2,409528E+22	2,541098E+22	2,585989E+22	2,585996E+22	2,541114E+22	2,409549E+22	2,178042E+22	1,908620E+22	1,721997E+22	1,721982E+22	1,908579E+22	2,178000E+22
2839	2,409555E+22	2,541171E+22	2,586073E+22	2,586067E+22	2,541133E+22	2,409492E+22	2,177969E+22	1,908574E+22	1,721970E+22	1,721973E+22	1,908583E+22	2,177989E+22
2840	2,409509E+22	2,541094E+22	2,585960E+22	2,585937E+22	2,541060E+22	2,409472E+22	2,177956E+22	1,908559E+22	1,721948E+22	1,721938E+22	1,908543E+22	2,177954E+22
2841	2,409487E+22	2,541114E+22	2,586061E+22	2,586086E+22	2,541200E+22	2,409590E+22	2,178006E+22	1,908539E+22	1,721912E+22	1,721923E+22	1,908559E+22	2,177994E+22
2842	2,409520E+22	2,541106E+22	2,586012E+22	2,586022E+22	2,541110E+22	2,409499E+22	2,177965E+22	1,908531E+22	1,721906E+22	1,721917E+22	1,908555E+22	2,177987E+22
2843	2,409506E+22	2,541058E+22	2,585907E+22	2,585915E+22	2,541076E+22	2,409526E+22	2,178021E+22	1,908580E+22	1,721925E+22	1,721897E+22	1,908511E+22	2,177952E+22
2844	2,409516E+22	2,541142E+22	2,586054E+22	2,586059E+22	2,541180E+22	2,409565E+22	2,177998E+22	1,908558E+22	1,721932E+22	1,721931E+22	1,908551E+22	2,177979E+22
2845	2,409519E+22	2,541120E+22	2,585992E+22	2,585937E+22	2,541016E+22	2,409444E+22	2,177944E+22	1,908547E+22	1,721945E+22	1,721952E+22	1,908570E+22	2,177981E+22
2846	2,409495E+22	2,541076E+22	2,585978E+22	2,585993E+22	2,541097E+22	2,409512E+22	2,178007E+22	1,908594E+22	1,721977E+22	1,721967E+22	1,908566E+22	2,177977E+22
2847	2,409518E+22	2,541139E+22	2,586062E+22	2,586083E+22	2,541171E+22	2,409517E+22	2,177968E+22	1,908571E+22	1,721986E+22	1,722008E+22	1,908623E+22	2,178015E+22
2848	2,409510E+22	2,541076E+22	2,585942E+22	2,585922E+22	2,541050E+22	2,409478E+22	2,177973E+22	1,908593E+22	1,722009E+22	1,722013E+22	1,908610E+22	2,177999E+22
2849	2,409503E+22	2,541096E+22	2,586017E+22	2,586038E+22	2,541163E+22	2,409589E+22	2,178061E+22	1,908642E+22	1,722037E+22	1,722034E+22	1,908628E+22	2,178029E+22
2850	2,409544E+22	2,541132E+22	2,586030E+22	2,586025E+22	2,541103E+22	2,409499E+22	2,178011E+22	1,908655E+22	1,722084E+22	1,722086E+22	1,908660E+22	2,178022E+22
2851	2,409510E+22	2,541073E+22	2,585935E+22	2,585912E+22	2,541034E+22	2,409494E+22	2,178051E+22	1,908706E+22	1,722125E+22	1,722098E+22	1,908641E+22	2,177985E+22
2852	2,409483E+22	2,541105E+22	2,586058E+22	2,586084E+22	2,541184E+22	2,409571E+22	2,178050E+22	1,908689E+22	1,722132E+22	1,722136E+22	1,908694E+22	2,178033E+22
2853	2,409505E+22	2,541090E+22	2,585993E+22	2,585975E+22	2,541051E+22	2,409465E+22	2,177992E+22	1,908660E+22	1,722122E+22	1,722143E+22	1,908713E+22	2,178051E+22
2854	2,409501E+22	2,541041E+22	2,585925E+22	2,585946E+22	2,541080E+22	2,409526E+22	2,178058E+22	1,908700E+22	1,722124E+22	1,722111E+22	1,908669E+22	2,178028E+22
2855	2,409529E+22	2,541128E+22	2,586039E+22	2,586048E+22	2,541157E+22	2,409546E+22	2,178028E+22	1,908664E+22	1,722099E+22	1,722106E+22	1,908685E+22	2,178050E+22
2856	2,409536E+22	2,541100E+22	2,585965E+22	2,585917E+22	2,541008E+22	2,409449E+22	2,177984E+22	1,908640E+22	1,722072E+22	1,722065E+22	1,908634E+22	2,178005E+22
2857	2,409505E+22	2,541093E+22	2,586013E+22	2,586028E+22	2,541125E+22	2,409541E+22	2,178040E+22	1,908650E+22	1,722049E+22	1,722035E+22	1,908614E+22	2,178002E+22
2858	2,409524E+22	2,541133E+22	2,586051E+22	2,586063E+22	2,541142E+22	2,409499E+22	2,177974E+22	1,908606E+22	1,722032E+22	1,722042E+22	1,908632E+22	2,178003E+22
2859	2,409491E+22	2,541063E+22	2,585939E+22	2,585915E+22	2,541046E+22	2,409493E+22	2,177999E+22	1,908610E+22	1,722009E+22	1,721998E+22	1,908584E+22	2,177968E+22
2860	2,409468E+22	2,541069E+22	2,586018E+22	2,586057E+22	2,541185E+22	2,409597E+22	2,178044E+22	1,908608E+22	1,721992E+22	1,721990E+22	1,908594E+22	2,178000E+22
2861	2,409521E+22	2,541105E+22	2,585992E+22	2,585978E+22	2,541064E+22	2,409474E+22	2,177973E+22	1,908584E+22	1,721986E+22	1,721992E+22	1,908600E+22	2,178002E+22
2862	2,409511E+22	2,541067E+22	2,585917E+22	2,585904E+22	2,541040E+22	2,409488E+22	2,178010E+22	1,908628E+22	1,722016E+22	1,721987E+22	1,908563E+22	2,177959E+22
2863	2,409499E+22	2,541127E+22	2,586049E+22	2,586048E+22	2,541155E+22	2,409538E+22	2,177998E+22	1,908605E+22	1,722016E+22	1,722022E+22	1,908617E+22	2,178004E+22
2864	2,409509E+22	2,541095E+22	2,585991E+22	2,585955E+22	2,541022E+22	2,409428E+22	2,177934E+22	1,908577E+22	1,722012E+22	1,722026E+22	1,908622E+22	2,178002E+22
2865	2,409485E+22	2,541051E+22	2,585969E+22	2,586005E+22	2,541118E+22	2,409530E+22	2,178020E+22	1,908627E+22	1,722032E+22	1,722033E+22	1,908626E+22	2,178017E+22
2866	2,409524E+22	2,541117E+22	2,586027E+22	2,586051E+22	2,541159E+22	2,409532E+22	2,178004E+22	1,908631E+22	1,722062E+22	1,722082E+22	1,908674E+22	2,178042E+22
2867	2,409523E+22	2,541083E+22	2,585942E+22	2,585892E+22	2,541009E+22	2,409478E+22	2,178020E+22	1,908672E+22	1,722101E+22	1,722087E+22	1,908643E+22	2,177996E+22
2868	2,409483E+22	2,541075E+22	2,586010E+22	2,586029E+22	2,541143E+22	2,409578E+22	2,178087E+22	1,908721E+22	1,722146E+22	1,722130E+22	1,908669E+22	2,178014E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409518E+22	2,541124E+22	2,586031E+22	2,586018E+22	2,541080E+22	2,409472E+22	2,178008E+22	1,908701E+22	1,722174E+22	1,722184E+22	1,908725E+22	2,178036E+22
2870	2,409488E+22	2,541048E+22	2,585928E+22	2,585916E+22	2,541030E+22	2,409476E+22	2,178040E+22	1,908746E+22	1,722211E+22	1,722193E+22	1,908710E+22	2,178013E+22
2871	2,409468E+22	2,541063E+22	2,586015E+22	2,586053E+22	2,541171E+22	2,409579E+22	2,178074E+22	1,908736E+22	1,722201E+22	1,722212E+22	1,908758E+22	2,178075E+22
2872	2,409521E+22	2,541072E+22	2,585969E+22	2,585959E+22	2,541030E+22	2,409452E+22	2,178005E+22	1,908702E+22	1,722179E+22	1,722192E+22	1,908743E+22	2,178067E+22
2873	2,409512E+22	2,541046E+22	2,585925E+22	2,585940E+22	2,541067E+22	2,409516E+22	2,178067E+22	1,908741E+22	1,722180E+22	1,722163E+22	1,908703E+22	2,178042E+22
2874	2,409530E+22	2,541130E+22	2,586038E+22	2,586031E+22	2,541131E+22	2,409534E+22	2,178039E+22	1,908708E+22	1,722168E+22	1,722175E+22	1,908723E+22	2,178052E+22
2875	2,409523E+22	2,541101E+22	2,585983E+22	2,585920E+22	2,540983E+22	2,409439E+22	2,178002E+22	1,908686E+22	1,722139E+22	1,722130E+22	1,908668E+22	2,177997E+22
2876	2,409466E+22	2,541050E+22	2,585996E+22	2,586038E+22	2,541140E+22	2,409549E+22	2,178055E+22	1,908696E+22	1,722124E+22	1,722107E+22	1,908651E+22	2,178001E+22
2877	2,409507E+22	2,541110E+22	2,586022E+22	2,586040E+22	2,541132E+22	2,409504E+22	2,177985E+22	1,908636E+22	1,722088E+22	1,722107E+22	1,908682E+22	2,178028E+22
2878	2,409496E+22	2,541050E+22	2,585916E+22	2,585892E+22	2,541020E+22	2,409480E+22	2,178010E+22	1,908661E+22	1,722083E+22	1,722064E+22	1,908626E+22	2,177985E+22
2879	2,409469E+22	2,541055E+22	2,585987E+22	2,586014E+22	2,541142E+22	2,409579E+22	2,178064E+22	1,908668E+22	1,722073E+22	1,722063E+22	1,908637E+22	2,178015E+22
2880	2,409520E+22	2,541098E+22	2,585995E+22	2,585977E+22	2,541031E+22	2,409435E+22	2,177966E+22	1,908623E+22	1,722060E+22	1,722064E+22	1,908638E+22	2,178002E+22
2881	2,409493E+22	2,541056E+22	2,585931E+22	2,585930E+22	2,541045E+22	2,409471E+22	2,177997E+22	1,908653E+22	1,722078E+22	1,722064E+22	1,908626E+22	2,177982E+22
2882	2,409482E+22	2,541099E+22	2,586030E+22	2,586042E+22	2,541155E+22	2,409543E+22	2,178004E+22	1,908638E+22	1,722086E+22	1,722105E+22	1,908683E+22	2,178036E+22
2883	2,409508E+22	2,541079E+22	2,585977E+22	2,585940E+22	2,541011E+22	2,409451E+22	2,177977E+22	1,908631E+22	1,722081E+22	1,722094E+22	1,908666E+22	2,178018E+22
2884	2,409479E+22	2,541025E+22	2,585942E+22	2,585990E+22	2,541115E+22	2,409546E+22	2,178065E+22	1,908704E+22	1,722124E+22	1,722107E+22	1,908657E+22	2,178015E+22
2885	2,409527E+22	2,541124E+22	2,586015E+22	2,586020E+22	2,541125E+22	2,409521E+22	2,178025E+22	1,908695E+22	1,722157E+22	1,722168E+22	1,908721E+22	2,178050E+22
2886	2,409517E+22	2,541085E+22	2,585951E+22	2,585892E+22	2,540981E+22	2,409450E+22	2,178029E+22	1,908741E+22	1,722209E+22	1,722189E+22	1,908702E+22	2,178003E+22
2887	2,409456E+22	2,541044E+22	2,585989E+22	2,586016E+22	2,541119E+22	2,409557E+22	2,178098E+22	1,908781E+22	1,722244E+22	1,722233E+22	1,908744E+22	2,178040E+22
2888	2,409498E+22	2,541083E+22	2,586012E+22	2,586023E+22	2,541073E+22	2,409456E+22	2,178004E+22	1,908736E+22	1,722248E+22	1,722268E+22	1,908787E+22	2,178065E+22
2889	2,409486E+22	2,541026E+22	2,585908E+22	2,585912E+22	2,541033E+22	2,409482E+22	2,178049E+22	1,908771E+22	1,722259E+22	1,722258E+22	1,908773E+22	2,178055E+22
2890	2,409484E+22	2,541056E+22	2,585982E+22	2,586008E+22	2,541133E+22	2,409570E+22	2,178095E+22	1,908784E+22	1,722267E+22	1,722274E+22	1,908800E+22	2,178099E+22
2891	2,409541E+22	2,541094E+22	2,585979E+22	2,585936E+22	2,540989E+22	2,409440E+22	2,178030E+22	1,908758E+22	1,722249E+22	1,722247E+22	1,908761E+22	2,178055E+22
2892	2,409495E+22	2,541042E+22	2,585936E+22	2,585953E+22	2,541060E+22	2,409502E+22	2,178076E+22	1,908791E+22	1,722259E+22	1,722231E+22	1,908722E+22	2,178015E+22
2893	2,409502E+22	2,541124E+22	2,586043E+22	2,586039E+22	2,541124E+22	2,409519E+22	2,178033E+22	1,908736E+22	1,722232E+22	1,722247E+22	1,908769E+22	2,178054E+22
2894	2,409493E+22	2,541070E+22	2,585977E+22	2,585937E+22	2,540995E+22	2,409439E+22	2,178005E+22	1,908721E+22	1,722207E+22	1,722200E+22	1,908718E+22	2,178009E+22
2895	2,409439E+22	2,540998E+22	2,585940E+22	2,586004E+22	2,541130E+22	2,409566E+22	2,178091E+22	1,908747E+22	1,722189E+22	1,722175E+22	1,908703E+22	2,178025E+22
2896	2,409501E+22	2,541077E+22	2,585987E+22	2,586018E+22	2,541108E+22	2,409492E+22	2,178004E+22	1,908685E+22	1,722154E+22	1,722165E+22	1,908714E+22	2,178039E+22
2897	2,409499E+22	2,541048E+22	2,585905E+22	2,585877E+22	2,541000E+22	2,409465E+22	2,178016E+22	1,908700E+22	1,722147E+22	1,722133E+22	1,908677E+22	2,178005E+22
2898	2,409470E+22	2,541052E+22	2,585975E+22	2,585986E+22	2,541099E+22	2,409552E+22	2,178071E+22	1,908715E+22	1,722153E+22	1,722148E+22	1,908696E+22	2,178037E+22
2899	2,409520E+22	2,541101E+22	2,586005E+22	2,585976E+22	2,541009E+22	2,409420E+22	2,177974E+22	1,908665E+22	1,722132E+22	1,722141E+22	1,908690E+22	2,178016E+22
2900	2,409476E+22	2,541028E+22	2,585917E+22	2,585942E+22	2,541061E+22	2,409479E+22	2,178009E+22	1,908693E+22	1,722151E+22	1,722141E+22	1,908673E+22	2,177997E+22
2901	2,409487E+22	2,541095E+22	2,586010E+22	2,586023E+22	2,541143E+22	2,409550E+22	2,178024E+22	1,908675E+22	1,722148E+22	1,722174E+22	1,908736E+22	2,178063E+22
2902	2,409521E+22	2,541084E+22	2,585972E+22	2,585930E+22	2,540989E+22	2,409438E+22	2,178001E+22	1,908699E+22	1,722169E+22	1,722166E+22	1,908704E+22	2,178024E+22
2903	2,409472E+22	2,541016E+22	2,585922E+22	2,585961E+22	2,541082E+22	2,409537E+22	2,178098E+22	1,908781E+22	1,722227E+22	1,722196E+22	1,908701E+22	2,178013E+22
2904	2,409503E+22	2,541103E+22	2,586020E+22	2,586032E+22	2,541104E+22	2,409491E+22	2,178027E+22	1,908748E+22	1,722248E+22	1,722257E+22	1,908767E+22	2,178044E+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°
2905	2,409484E+22	2,541056E+22	2,585947E+22	2,585910E+22	2,540988E+22	2,409438E+22	2,178026E+22	1,908777E+22	1,722284E+22	1,722282E+22	1,908780E+22	2,178030E+22
2906	2,409434E+22	2,541003E+22	2,585949E+22	2,585989E+22	2,541105E+22	2,409559E+22	2,178116E+22	1,908827E+22	1,722323E+22	1,722323E+22	1,908818E+22	2,178080E+22
2907	2,409504E+22	2,541067E+22	2,585985E+22	2,585988E+22	2,541047E+22	2,409464E+22	2,178038E+22	1,908789E+22	1,722317E+22	1,722336E+22	1,908836E+22	2,178088E+22
2908	2,409489E+22	2,541013E+22	2,585886E+22	2,585893E+22	2,541019E+22	2,409481E+22	2,178075E+22	1,908831E+22	1,722340E+22	1,722325E+22	1,908800E+22	2,178057E+22
2909	2,409497E+22	2,541078E+22	2,585985E+22	2,585985E+22	2,541097E+22	2,409547E+22	2,178100E+22	1,908826E+22	1,722340E+22	1,722346E+22	1,908839E+22	2,178103E+22
2910	2,409536E+22	2,541103E+22	2,586001E+22	2,585953E+22	2,540975E+22	2,409410E+22	2,178029E+22	1,908807E+22	1,722330E+22	1,722322E+22	1,908801E+22	2,178050E+22
2911	2,409463E+22	2,541012E+22	2,585922E+22	2,585956E+22	2,541060E+22	2,409497E+22	2,178088E+22	1,908837E+22	1,722333E+22	1,722308E+22	1,908775E+22	2,178025E+22
2912	2,409469E+22	2,541075E+22	2,586022E+22	2,586049E+22	2,541133E+22	2,409520E+22	2,178039E+22	1,908761E+22	1,722285E+22	1,722307E+22	1,908813E+22	2,178070E+22
2913	2,409481E+22	2,541040E+22	2,585945E+22	2,585925E+22	2,541000E+22	2,409453E+22	2,178028E+22	1,908750E+22	1,722249E+22	1,722257E+22	1,908775E+22	2,178043E+22
2914	2,409447E+22	2,540984E+22	2,585898E+22	2,585946E+22	2,541083E+22	2,409555E+22	2,178120E+22	1,908803E+22	1,722258E+22	1,722238E+22	1,908747E+22	2,178049E+22
2915	2,409515E+22	2,541091E+22	2,585983E+22	2,585982E+22	2,541060E+22	2,409472E+22	2,178024E+22	1,908739E+22	1,722229E+22	1,722231E+22	1,908745E+22	2,178036E+22
2916	2,409485E+22	2,541045E+22	2,585913E+22	2,585883E+22	2,540988E+22	2,409443E+22	2,178017E+22	1,908742E+22	1,722225E+22	1,722209E+22	1,908711E+22	2,177999E+22
2917	2,409460E+22	2,541055E+22	2,585980E+22	2,585987E+22	2,541084E+22	2,409526E+22	2,178057E+22	1,908738E+22	1,722217E+22	1,722226E+22	1,908755E+22	2,178058E+22
2918	2,409511E+22	2,541088E+22	2,586006E+22	2,585993E+22	2,541018E+22	2,409415E+22	2,177981E+22	1,908705E+22	1,722200E+22	1,722210E+22	1,908741E+22	2,178036E+22
2919	2,409465E+22	2,541000E+22	2,585883E+22	2,585921E+22	2,541054E+22	2,409491E+22	2,178047E+22	1,908752E+22	1,722223E+22	1,722210E+22	1,908719E+22	2,178013E+22
2920	2,409475E+22	2,541070E+22	2,585995E+22	2,586015E+22	2,541124E+22	2,409541E+22	2,178050E+22	1,908735E+22	1,722226E+22	1,722241E+22	1,908767E+22	2,178062E+22
2921	2,409509E+22	2,541079E+22	2,585971E+22	2,585928E+22	2,540983E+22	2,409434E+22	2,178021E+22	1,908751E+22	1,722250E+22	1,722254E+22	1,908763E+22	2,178031E+22
2922	2,409448E+22	2,540996E+22	2,585902E+22	2,585931E+22	2,541044E+22	2,409515E+22	2,178117E+22	1,908847E+22	1,722328E+22	1,722300E+22	1,908772E+22	2,178032E+22
2923	2,409482E+22	2,541081E+22	2,586008E+22	2,586019E+22	2,541089E+22	2,409482E+22	2,178041E+22	1,908804E+22	1,722341E+22	1,722353E+22	1,908834E+22	2,178065E+22
2924	2,409463E+22	2,541018E+22	2,585918E+22	2,585906E+22	2,540997E+22	2,409444E+22	2,178040E+22	1,908821E+22	1,722366E+22	1,722369E+22	1,908837E+22	2,178059E+22
2925	2,409450E+22	2,540999E+22	2,585921E+22	2,585951E+22	2,541072E+22	2,409545E+22	2,178130E+22	1,908867E+22	1,722389E+22	1,722397E+22	1,908879E+22	2,178120E+22
2926	2,409527E+22	2,541082E+22	2,585987E+22	2,585974E+22	2,541017E+22	2,409436E+22	2,178052E+22	1,908849E+22	1,722395E+22	1,722400E+22	1,908871E+22	2,178097E+22
2927	2,409488E+22	2,541017E+22	2,585885E+22	2,585876E+22	2,540991E+22	2,409464E+22	2,178092E+22	1,908888E+22	1,722422E+22	1,722400E+22	1,908837E+22	2,178051E+22
2928	2,409468E+22	2,541062E+22	2,586004E+22	2,586011E+22	2,541089E+22	2,409522E+22	2,178098E+22	1,908861E+22	1,722406E+22	1,722413E+22	1,908873E+22	2,178093E+22
2929	2,409500E+22	2,541077E+22	2,586001E+22	2,585979E+22	2,541004E+22	2,409417E+22	2,178033E+22	1,908829E+22	1,722381E+22	1,722393E+22	1,908860E+22	2,178064E+22
2930	2,409433E+22	2,540967E+22	2,585878E+22	2,585925E+22	2,541055E+22	2,409512E+22	2,178119E+22	1,908884E+22	1,722398E+22	1,722378E+22	1,908831E+22	2,178054E+22
2931	2,409465E+22	2,541049E+22	2,585984E+22	2,586009E+22	2,541114E+22	2,409533E+22	2,178079E+22	1,908819E+22	1,722349E+22	1,722363E+22	1,908848E+22	2,178084E+22
2932	2,409478E+22	2,541023E+22	2,585916E+22	2,585894E+22	2,540981E+22	2,409448E+22	2,178055E+22	1,908812E+22	1,722327E+22	1,722321E+22	1,908801E+22	2,178050E+22
2933	2,409462E+22	2,541003E+22	2,585895E+22	2,585910E+22	2,541031E+22	2,409516E+22	2,178120E+22	1,908845E+22	1,722331E+22	1,722315E+22	1,908798E+22	2,178066E+22
2934	2,409516E+22	2,541103E+22	2,586006E+22	2,585988E+22	2,541029E+22	2,409423E+22	2,178014E+22	1,908784E+22	1,722305E+22	1,722306E+22	1,908796E+22	2,178047E+22
2935	2,409465E+22	2,541025E+22	2,585907E+22	2,585886E+22	2,540988E+22	2,409431E+22	2,178017E+22	1,908776E+22	1,722294E+22	1,722287E+22	1,908769E+22	2,178018E+22
2936	2,409438E+22	2,541024E+22	2,585975E+22	2,586004E+22	2,541095E+22	2,409522E+22	2,178056E+22	1,908756E+22	1,722264E+22	1,722283E+22	1,908797E+22	2,178075E+22
2937	2,409507E+22	2,541072E+22	2,585988E+22	2,585989E+22	2,541031E+22	2,409430E+22	2,178005E+22	1,908738E+22	1,722247E+22	1,722268E+22	1,908790E+22	2,178056E+22
2938	2,409463E+22	2,540989E+22	2,585856E+22	2,585878E+22	2,541019E+22	2,409487E+22	2,178088E+22	1,908827E+22	1,722310E+22	1,722283E+22	1,908760E+22	2,178022E+22
2939	2,409467E+22	2,541067E+22	2,585990E+22	2,585991E+22	2,541095E+22	2,409530E+22	2,178078E+22	1,908806E+22	1,722322E+22	1,722325E+22	1,908805E+22	2,178050E+22
2940	2,409473E+22	2,541052E+22	2,585966E+22	2,585933E+22	2,540982E+22	2,409424E+22	2,178036E+22	1,908814E+22	1,722352E+22	1,722352E+22	1,908815E+22	2,178034E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409430E+22	2,540977E+22	2,585885E+22	2,585913E+22	2,541025E+22	2,409495E+22	2,178116E+22	1,908887E+22	1,722412E+22	1,722402E+22	1,908854E+22	2,178070E+22
2942	2,409476E+22	2,541057E+22	2,585988E+22	2,586007E+22	2,541076E+22	2,409469E+22	2,178056E+22	1,908857E+22	1,722421E+22	1,722437E+22	1,908900E+22	2,178100E+22
2943	2,409465E+22	2,540995E+22	2,585882E+22	2,585872E+22	2,540976E+22	2,409444E+22	2,178071E+22	1,908881E+22	1,722444E+22	1,722445E+22	1,908891E+22	2,178086E+22
2944	2,409453E+22	2,540994E+22	2,585921E+22	2,585944E+22	2,541046E+22	2,409518E+22	2,178136E+22	1,908914E+22	1,722460E+22	1,722461E+22	1,908912E+22	2,178126E+22
2945	2,409528E+22	2,541091E+22	2,586001E+22	2,585981E+22	2,541015E+22	2,409428E+22	2,178062E+22	1,908887E+22	1,722461E+22	1,722475E+22	1,908922E+22	2,178103E+22
2946	2,409468E+22	2,541006E+22	2,585885E+22	2,585866E+22	2,540971E+22	2,409449E+22	2,178110E+22	1,908944E+22	1,722503E+22	1,722481E+22	1,908892E+22	2,178063E+22
2947	2,409444E+22	2,541035E+22	2,585993E+22	2,586008E+22	2,541095E+22	2,409529E+22	2,178114E+22	1,908907E+22	1,722477E+22	1,722485E+22	1,908918E+22	2,178100E+22
2948	2,409474E+22	2,541036E+22	2,585970E+22	2,585972E+22	2,541023E+22	2,409440E+22	2,178060E+22	1,908874E+22	1,722447E+22	1,722458E+22	1,908899E+22	2,178084E+22
2949	2,409444E+22	2,540959E+22	2,585844E+22	2,585872E+22	2,541013E+22	2,409499E+22	2,178139E+22	1,908930E+22	1,722460E+22	1,722441E+22	1,908880E+22	2,178085E+22
2950	2,409482E+22	2,541056E+22	2,585978E+22	2,585981E+22	2,541072E+22	2,409497E+22	2,178090E+22	1,908881E+22	1,722426E+22	1,722424E+22	1,908880E+22	2,178091E+22
2951	2,409475E+22	2,541022E+22	2,585915E+22	2,585877E+22	2,540947E+22	2,409416E+22	2,178055E+22	1,908856E+22	1,722402E+22	1,722394E+22	1,908842E+22	2,178049E+22
2952	2,409434E+22	2,540987E+22	2,585916E+22	2,585933E+22	2,541016E+22	2,409472E+22	2,178095E+22	1,908863E+22	1,722387E+22	1,722380E+22	1,908840E+22	2,178070E+22
2953	2,409493E+22	2,541083E+22	2,586011E+22	2,586013E+22	2,541058E+22	2,409429E+22	2,178008E+22	1,908792E+22	1,722345E+22	1,722371E+22	1,908855E+22	2,178067E+22
2954	2,409446E+22	2,540991E+22	2,585878E+22	2,585862E+22	2,540983E+22	2,409445E+22	2,178046E+22	1,908820E+22	1,722352E+22	1,722349E+22	1,908817E+22	2,178044E+22
2955	2,409436E+22	2,541003E+22	2,585946E+22	2,585974E+22	2,541090E+22	2,409541E+22	2,178098E+22	1,908820E+22	1,722334E+22	1,722339E+22	1,908823E+22	2,178076E+22
2956	2,409496E+22	2,541057E+22	2,585970E+22	2,585971E+22	2,541030E+22	2,409441E+22	2,178041E+22	1,908811E+22	1,722339E+22	1,722341E+22	1,908816E+22	2,178054E+22
2957	2,409461E+22	2,540989E+22	2,585849E+22	2,585843E+22	2,540974E+22	2,409460E+22	2,178103E+22	1,908890E+22	1,722407E+22	1,722381E+22	1,908823E+22	2,178039E+22
2958	2,409452E+22	2,541052E+22	2,585993E+22	2,585990E+22	2,541070E+22	2,409492E+22	2,178085E+22	1,908875E+22	1,722422E+22	1,722423E+22	1,908873E+22	2,178070E+22
2959	2,409449E+22	2,541014E+22	2,585940E+22	2,585919E+22	2,540974E+22	2,409413E+22	2,178043E+22	1,908864E+22	1,722442E+22	1,722454E+22	1,908895E+22	2,178070E+22
2960	2,409416E+22	2,540944E+22	2,585872E+22	2,585905E+22	2,541010E+22	2,409478E+22	2,178117E+22	1,908917E+22	1,722475E+22	1,722477E+22	1,908916E+22	2,178109E+22
2961	2,409494E+22	2,541056E+22	2,585976E+22	2,585989E+22	2,541066E+22	2,409468E+22	2,178074E+22	1,908893E+22	1,722479E+22	1,722506E+22	1,908956E+22	2,178129E+22
2962	2,409478E+22	2,541003E+22	2,585876E+22	2,585837E+22	2,540936E+22	2,409427E+22	2,178097E+22	1,908948E+22	1,722529E+22	1,722517E+22	1,908929E+22	2,178095E+22
2963	2,409453E+22	2,541003E+22	2,585934E+22	2,585941E+22	2,541034E+22	2,409507E+22	2,178148E+22	1,908971E+22	1,722543E+22	1,722533E+22	1,908939E+22	2,178108E+22
2964	2,409493E+22	2,541071E+22	2,586007E+22	2,586003E+22	2,541036E+22	2,409433E+22	2,178077E+22	1,908939E+22	1,722544E+22	1,722552E+22	1,908958E+22	2,178100E+22
2965	2,409445E+22	2,540978E+22	2,585871E+22	2,585857E+22	2,540967E+22	2,409448E+22	2,178122E+22	1,908985E+22	1,722575E+22	1,722563E+22	1,908956E+22	2,178090E+22
2966	2,409429E+22	2,540998E+22	2,585968E+22	2,585994E+22	2,541083E+22	2,409524E+22	2,178141E+22	1,908966E+22	1,722548E+22	1,722551E+22	1,908966E+22	2,178121E+22
2967	2,409464E+22	2,541001E+22	2,585927E+22	2,585931E+22	2,540997E+22	2,409440E+22	2,178092E+22	1,908936E+22	1,722525E+22	1,722528E+22	1,908945E+22	2,178100E+22
2968	2,409437E+22	2,540948E+22	2,585841E+22	2,585852E+22	2,540974E+22	2,409464E+22	2,178133E+22	1,908965E+22	1,722523E+22	1,722502E+22	1,908914E+22	2,178094E+22
2969	2,409483E+22	2,541061E+22	2,585985E+22	2,585973E+22	2,541052E+22	2,409473E+22	2,178082E+22	1,908902E+22	1,722482E+22	1,722495E+22	1,908932E+22	2,178103E+22
2970	2,409462E+22	2,541009E+22	2,585914E+22	2,585868E+22	2,540925E+22	2,409392E+22	2,178055E+22	1,908895E+22	1,722468E+22	1,722464E+22	1,908894E+22	2,178071E+22
2971	2,409425E+22	2,540967E+22	2,585906E+22	2,585938E+22	2,541032E+22	2,409477E+22	2,178093E+22	1,908889E+22	1,722439E+22	1,722436E+22	1,908878E+22	2,178082E+22
2972	2,409480E+22	2,541053E+22	2,585988E+22	2,586010E+22	2,541082E+22	2,409460E+22	2,178038E+22	1,908833E+22	1,722399E+22	1,722421E+22	1,908883E+22	2,178086E+22
2973	2,409461E+22	2,540988E+22	2,585857E+22	2,585823E+22	2,540949E+22	2,409442E+22	2,178076E+22	1,908876E+22	1,722420E+22	1,722411E+22	1,908859E+22	2,178063E+22
2974	2,409441E+22	2,541003E+22	2,585944E+22	2,585953E+22	2,541051E+22	2,409515E+22	2,178124E+22	1,908899E+22	1,722427E+22	1,722411E+22	1,908853E+22	2,178068E+22
2975	2,409472E+22	2,541039E+22	2,585963E+22	2,585955E+22	2,541004E+22	2,409424E+22	2,178057E+22	1,908878E+22	1,722441E+22	1,722439E+22	1,908870E+22	2,178052E+22
2976	2,409421E+22	2,540959E+22	2,585857E+22	2,585853E+22	2,540955E+22	2,409424E+22	2,178088E+22	1,908926E+22	1,722488E+22	1,722472E+22	1,908888E+22	2,178059E+22

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 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	2,409435E+22	2,541021E+22	2,585976E+22	2,585990E+22	2,541079E+22	2,409494E+22	2,178086E+22	1,908900E+22	1,722489E+22	1,722514E+22	1,908951E+22	2,178109E+22
2978	2,409446E+22	2,540983E+22	2,585905E+22	2,585885E+22	2,540951E+22	2,409414E+22	2,178072E+22	1,908921E+22	1,722518E+22	1,722532E+22	1,908958E+22	2,178112E+22
2979	2,409434E+22	2,540938E+22	2,585849E+22	2,585879E+22	2,540996E+22	2,409477E+22	2,178138E+22	1,908977E+22	1,722553E+22	1,722544E+22	1,908952E+22	2,178119E+22
2980	2,409496E+22	2,541060E+22	2,585979E+22	2,585983E+22	2,541062E+22	2,409474E+22	2,178101E+22	1,908958E+22	1,722567E+22	1,722578E+22	1,908984E+22	2,178131E+22
2981	2,409482E+22	2,541013E+22	2,585890E+22	2,585825E+22	2,540900E+22	2,409402E+22	2,178108E+22	1,909004E+22	1,722618E+22	1,722608E+22	1,908986E+22	2,178106E+22
2982	2,409435E+22	2,540988E+22	2,585944E+22	2,585958E+22	2,541027E+22	2,409485E+22	2,178160E+22	1,909036E+22	1,722634E+22	1,722618E+22	1,908991E+22	2,178113E+22
2983	2,409460E+22	2,541026E+22	2,585981E+22	2,586000E+22	2,541047E+22	2,409446E+22	2,178092E+22	1,908986E+22	1,722624E+22	1,722638E+22	1,909019E+22	2,178118E+22
2984	2,409418E+22	2,540935E+22	2,585846E+22	2,585841E+22	2,540949E+22	2,409441E+22	2,178130E+22	1,909016E+22	1,722630E+22	1,722626E+22	1,909006E+22	2,178120E+22
2985	2,409438E+22	2,540984E+22	2,585938E+22	2,585962E+22	2,541061E+22	2,409522E+22	2,178159E+22	1,909002E+22	1,722602E+22	1,722612E+22	1,909012E+22	2,178142E+22
2986	2,409470E+22	2,540998E+22	2,585910E+22	2,585889E+22	2,540943E+22	2,409411E+22	2,178104E+22	1,908990E+22	1,722600E+22	1,722595E+22	1,908982E+22	2,178112E+22
2987	2,409438E+22	2,540951E+22	2,585844E+22	2,585847E+22	2,540956E+22	2,409438E+22	2,178122E+22	1,908998E+22	1,722589E+22	1,722565E+22	1,908944E+22	2,178087E+22
2988	2,409461E+22	2,541047E+22	2,585991E+22	2,585992E+22	2,541067E+22	2,409475E+22	2,178082E+22	1,908932E+22	1,722540E+22	1,722554E+22	1,908964E+22	2,178112E+22
2989	2,409456E+22	2,540992E+22	2,585903E+22	2,585861E+22	2,540918E+22	2,409393E+22	2,178062E+22	1,908923E+22	1,722522E+22	1,722527E+22	1,908944E+22	2,178097E+22
2990	2,409424E+22	2,540946E+22	2,585890E+22	2,585930E+22	2,541023E+22	2,409481E+22	2,178126E+22	1,908947E+22	1,722501E+22	1,722486E+22	1,908906E+22	2,178090E+22
2991	2,409471E+22	2,541030E+22	2,585957E+22	2,585982E+22	2,541066E+22	2,409471E+22	2,178075E+22	1,908901E+22	1,722482E+22	1,722489E+22	1,908916E+22	2,178084E+22
2992	2,409440E+22	2,540976E+22	2,585860E+22	2,585811E+22	2,540913E+22	2,409416E+22	2,178084E+22	1,908928E+22	1,722501E+22	1,722488E+22	1,908901E+22	2,178067E+22
2993	2,409430E+22	2,540993E+22	2,585942E+22	2,585947E+22	2,541031E+22	2,409498E+22	2,178129E+22	1,908941E+22	1,722509E+22	1,722508E+22	1,908920E+22	2,178080E+22
2994	2,409448E+22	2,541008E+22	2,585946E+22	2,585940E+22	2,540978E+22	2,409403E+22	2,178065E+22	1,908934E+22	1,722535E+22	1,722540E+22	1,908946E+22	2,178087E+22
2995	2,409415E+22	2,540931E+22	2,585831E+22	2,585846E+22	2,540962E+22	2,409424E+22	2,178086E+22	1,908960E+22	1,722561E+22	1,722554E+22	1,908948E+22	2,178089E+22
2996	2,409440E+22	2,541004E+22	2,585951E+22	2,585972E+22	2,541077E+22	2,409511E+22	2,178114E+22	1,908950E+22	1,722558E+22	1,722579E+22	1,908997E+22	2,178145E+22
2997	2,409478E+22	2,540995E+22	2,585895E+22	2,585853E+22	2,540910E+22	2,409397E+22	2,178094E+22	1,908982E+22	1,722599E+22	1,722606E+22	1,909006E+22	2,178138E+22
2998	2,409450E+22	2,540956E+22	2,585868E+22	2,585877E+22	2,540963E+22	2,409447E+22	2,178155E+22	1,909047E+22	1,722644E+22	1,722618E+22	1,908982E+22	2,178108E+22
2999	2,409471E+22	2,541045E+22	2,585984E+22	2,585989E+22	2,541053E+22	2,409468E+22	2,178117E+22	1,909019E+22	1,722664E+22	1,722673E+22	1,909034E+22	2,178119E+22