

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,372662E+21	1,307195E+22	1,545220E+22	1,545193E+22	1,307128E+22	9,371926E+21	5,580229E+21	2,712285E+21	1,301338E+21	1,301449E+21	2,712599E+21	5,580574E+21
-2999	9,372022E+21	1,307087E+22	1,545115E+22	1,545161E+22	1,307163E+22	9,372535E+21	5,580814E+21	2,712700E+21	1,301562E+21	1,301516E+21	2,712518E+21	5,580412E+21
-2998	9,372004E+21	1,307122E+22	1,545138E+22	1,545141E+22	1,307132E+22	9,372280E+21	5,580707E+21	2,712769E+21	1,301728E+21	1,301754E+21	2,712909E+21	5,581008E+21
-2997	9,372484E+21	1,307121E+22	1,545096E+22	1,545073E+22	1,307074E+22	9,372005E+21	5,580628E+21	2,712784E+21	1,301824E+21	1,301886E+21	2,712906E+21	5,580639E+21
-2996	9,371762E+21	1,307028E+22	1,545026E+22	1,545046E+22	1,307075E+22	9,372286E+21	5,581116E+21	2,713258E+21	1,302129E+21	1,302046E+21	2,712977E+21	5,580716E+21
-2995	9,372100E+21	1,307089E+22	1,545061E+22	1,545037E+22	1,307030E+22	9,371678E+21	5,580668E+21	2,713114E+21	1,302203E+21	1,302273E+21	2,713378E+21	5,581138E+21
-2994	9,372100E+21	1,307035E+22	1,544988E+22	1,544992E+22	1,307033E+22	9,371926E+21	5,580856E+21	2,713214E+21	1,302277E+21	1,302302E+21	2,713234E+21	5,580721E+21
-2993	9,371541E+21	1,307000E+22	1,544993E+22	1,545006E+22	1,307043E+22	9,372083E+21	5,581094E+21	2,713427E+21	1,302386E+21	1,302338E+21	2,713330E+21	5,581131E+21
-2992	9,372355E+21	1,307075E+22	1,545025E+22	1,544999E+22	1,307008E+22	9,371593E+21	5,580624E+21	2,713109E+21	1,302264E+21	1,302370E+21	2,713442E+21	5,581081E+21
-2991	9,371939E+21	1,307007E+22	1,544960E+22	1,544986E+22	1,307049E+22	9,372189E+21	5,581091E+21	2,713324E+21	1,302269E+21	1,302209E+21	2,713085E+21	5,580620E+21
-2990	9,371692E+21	1,307047E+22	1,545039E+22	1,545036E+22	1,307060E+22	9,372097E+21	5,580989E+21	2,713268E+21	1,302220E+21	1,302178E+21	2,713192E+21	5,581062E+21
-2989	9,372328E+21	1,307088E+22	1,545060E+22	1,545040E+22	1,307043E+22	9,371792E+21	5,580617E+21	2,712933E+21	1,302011E+21	1,302069E+21	2,713065E+21	5,580689E+21
-2988	9,371685E+21	1,307012E+22	1,545013E+22	1,545056E+22	1,307094E+22	9,372324E+21	5,581008E+21	2,713102E+21	1,301973E+21	1,301888E+21	2,712831E+21	5,580593E+21
-2987	9,371994E+21	1,307099E+22	1,545099E+22	1,545094E+22	1,307087E+22	9,371971E+21	5,580594E+21	2,712784E+21	1,301786E+21	1,301830E+21	2,712997E+21	5,581060E+21
-2986	9,372405E+21	1,307102E+22	1,545085E+22	1,545085E+22	1,307095E+22	9,372102E+21	5,580574E+21	2,712617E+21	1,301607E+21	1,301646E+21	2,712672E+21	5,580526E+21
-2985	9,371897E+21	1,307083E+22	1,545111E+22	1,545121E+22	1,307121E+22	9,372362E+21	5,580846E+21	2,712792E+21	1,301619E+21	1,301539E+21	2,712568E+21	5,580670E+21
-2984	9,372563E+21	1,307178E+22	1,545179E+22	1,545145E+22	1,307095E+22	9,371825E+21	5,580326E+21	2,712467E+21	1,301508E+21	1,301594E+21	2,712747E+21	5,580742E+21
-2983	9,372216E+21	1,307112E+22	1,545113E+22	1,545124E+22	1,307126E+22	9,372275E+21	5,580662E+21	2,712638E+21	1,301560E+21	1,301540E+21	2,712521E+21	5,580330E+21
-2982	9,371741E+21	1,307098E+22	1,545142E+22	1,545152E+22	1,307140E+22	9,372342E+21	5,580774E+21	2,712806E+21	1,301706E+21	1,301668E+21	2,712739E+21	5,580842E+21
-2981	9,372470E+21	1,307135E+22	1,545134E+22	1,545119E+22	1,307093E+22	9,371911E+21	5,580436E+21	2,712621E+21	1,301705E+21	1,301807E+21	2,712909E+21	5,580755E+21
-2980	9,371954E+21	1,307040E+22	1,545026E+22	1,545061E+22	1,307099E+22	9,372346E+21	5,580974E+21	2,713041E+21	1,301942E+21	1,301889E+21	2,712842E+21	5,580569E+21
-2979	9,371881E+21	1,307079E+22	1,545068E+22	1,545054E+22	1,307062E+22	9,372002E+21	5,580846E+21	2,713115E+21	1,302106E+21	1,302120E+21	2,713205E+21	5,581111E+21
-2978	9,372296E+21	1,307072E+22	1,545026E+22	1,545002E+22	1,307021E+22	9,371781E+21	5,580742E+21	2,713118E+21	1,302215E+21	1,302286E+21	2,713256E+21	5,580758E+21
-2977	9,371555E+21	1,306986E+22	1,544969E+22	1,544983E+22	1,307029E+22	9,372057E+21	5,581161E+21	2,713525E+21	1,302475E+21	1,302407E+21	2,713310E+21	5,580888E+21
-2976	9,371967E+21	1,307044E+22	1,545000E+22	1,544979E+22	1,306994E+22	9,371553E+21	5,580740E+21	2,713348E+21	1,302520E+21	1,302615E+21	2,713690E+21	5,581290E+21
-2975	9,371964E+21	1,306986E+22	1,544913E+22	1,544921E+22	1,306992E+22	9,371835E+21	5,581006E+21	2,713497E+21	1,302594E+21	1,302620E+21	2,713525E+21	5,580886E+21
-2974	9,371455E+21	1,306956E+22	1,544922E+22	1,544945E+22	1,307015E+22	9,372052E+21	5,581262E+21	2,713720E+21	1,302700E+21	1,302632E+21	2,713548E+21	5,581193E+21
-2973	9,372229E+21	1,307039E+22	1,544967E+22	1,544940E+22	1,306974E+22	9,371571E+21	5,580828E+21	2,713422E+21	1,302580E+21	1,302658E+21	2,713660E+21	5,581140E+21
-2972	9,371780E+21	1,306969E+22	1,544902E+22	1,544918E+22	1,306997E+22	9,371985E+21	5,581195E+21	2,713600E+21	1,302581E+21	1,302517E+21	2,713350E+21	5,580707E+21
-2971	9,371459E+21	1,306996E+22	1,544981E+22	1,544980E+22	1,307014E+22	9,371885E+21	5,581054E+21	2,713501E+21	1,302496E+21	1,302464E+21	2,713454E+21	5,581184E+21
-2970	9,372167E+21	1,307037E+22	1,544992E+22	1,544983E+22	1,307010E+22	9,371692E+21	5,580691E+21	2,713138E+21	1,302269E+21	1,302352E+21	2,713349E+21	5,580863E+21
-2969	9,371648E+21	1,306985E+22	1,544962E+22	1,544994E+22	1,307052E+22	9,372169E+21	5,581050E+21	2,713266E+21	1,302186E+21	1,302111E+21	2,713040E+21	5,580746E+21
-2968	9,372041E+21	1,307081E+22	1,545056E+22	1,545040E+22	1,307049E+22	9,371844E+21	5,580660E+21	2,712964E+21	1,302008E+21	1,302053E+21	2,713164E+21	5,581095E+21
-2967	9,372320E+21	1,307079E+22	1,545042E+22	1,545028E+22	1,307050E+22	9,371943E+21	5,580685E+21	2,712872E+21	1,301880E+21	1,301901E+21	2,712869E+21	5,580559E+21
-2966	9,371698E+21	1,307044E+22	1,545064E+22	1,545084E+22	1,307098E+22	9,372257E+21	5,580952E+21	2,713062E+21	1,301929E+21	1,301834E+21	2,712784E+21	5,580684E+21
-2965	9,372304E+21	1,307127E+22	1,545121E+22	1,545101E+22	1,307076E+22	9,371811E+21	5,580481E+21	2,712760E+21	1,301838E+21	1,301919E+21	2,713031E+21	5,580863E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,372028E+21	1,307058E+22	1,545037E+22	1,545049E+22	1,307080E+22	9,372149E+21	5,580788E+21	2,712924E+21	1,301903E+21	1,301898E+21	2,712863E+21	5,580525E+21
-2963	9,371594E+21	1,307041E+22	1,545062E+22	1,545073E+22	1,307086E+22	9,372194E+21	5,580933E+21	2,713109E+21	1,302044E+21	1,302014E+21	2,713048E+21	5,581005E+21
-2962	9,372375E+21	1,307086E+22	1,545051E+22	1,545035E+22	1,307043E+22	9,371794E+21	5,580607E+21	2,712951E+21	1,302072E+21	1,302179E+21	2,713236E+21	5,580889E+21
-2961	9,371853E+21	1,307010E+22	1,544967E+22	1,544979E+22	1,307035E+22	9,372106E+21	5,581081E+21	2,713352E+21	1,302303E+21	1,302249E+21	2,713146E+21	5,580694E+21
-2960	9,371752E+21	1,307039E+22	1,545009E+22	1,544989E+22	1,307009E+22	9,371759E+21	5,580919E+21	2,713412E+21	1,302479E+21	1,302503E+21	2,713526E+21	5,581202E+21
-2959	9,372056E+21	1,307013E+22	1,544948E+22	1,544928E+22	1,306971E+22	9,371577E+21	5,580845E+21	2,713439E+21	1,302598E+21	1,302676E+21	2,713622E+21	5,580947E+21
-2958	9,371377E+21	1,306925E+22	1,544887E+22	1,544920E+22	1,306998E+22	9,371968E+21	5,581283E+21	2,713822E+21	1,302836E+21	1,302771E+21	2,713629E+21	5,581059E+21
-2957	9,371866E+21	1,306995E+22	1,544923E+22	1,544909E+22	1,306959E+22	9,371539E+21	5,580942E+21	2,713664E+21	1,302859E+21	1,302943E+21	2,713975E+21	5,581451E+21
-2956	9,371914E+21	1,306950E+22	1,544844E+22	1,544837E+22	1,306936E+22	9,371680E+21	5,581159E+21	2,713800E+21	1,302925E+21	1,302940E+21	2,713791E+21	5,580995E+21
-2955	9,371332E+21	1,306921E+22	1,544870E+22	1,544880E+22	1,306961E+22	9,371867E+21	5,581402E+21	2,714008E+21	1,303008E+21	1,302928E+21	2,713773E+21	5,581221E+21
-2954	9,372021E+21	1,306994E+22	1,544909E+22	1,544888E+22	1,306940E+22	9,371446E+21	5,580935E+21	2,713686E+21	1,302883E+21	1,302964E+21	2,713921E+21	5,581194E+21
-2953	9,371579E+21	1,306933E+22	1,544854E+22	1,544867E+22	1,306961E+22	9,371825E+21	5,581233E+21	2,713791E+21	1,302829E+21	1,302779E+21	2,713602E+21	5,580849E+21
-2952	9,371367E+21	1,306957E+22	1,544927E+22	1,544928E+22	1,306982E+22	9,371768E+21	5,581097E+21	2,713665E+21	1,302721E+21	1,302708E+21	2,713677E+21	5,581288E+21
-2951	9,372062E+21	1,306994E+22	1,544927E+22	1,544920E+22	1,306971E+22	9,371586E+21	5,580803E+21	2,713356E+21	1,302506E+21	1,302588E+21	2,713573E+21	5,580999E+21
-2950	9,371614E+21	1,306953E+22	1,544908E+22	1,544945E+22	1,307023E+22	9,372086E+21	5,581160E+21	2,713497E+21	1,302440E+21	1,302349E+21	2,713215E+21	5,580788E+21
-2949	9,371948E+21	1,307056E+22	1,545014E+22	1,544990E+22	1,307015E+22	9,371775E+21	5,580818E+21	2,713240E+21	1,302296E+21	1,302318E+21	2,713371E+21	5,581143E+21
-2948	9,372153E+21	1,307043E+22	1,544993E+22	1,544970E+22	1,307003E+22	9,371729E+21	5,580762E+21	2,713139E+21	1,302197E+21	1,302220E+21	2,713151E+21	5,580660E+21
-2947	9,371487E+21	1,306992E+22	1,545004E+22	1,545029E+22	1,307056E+22	9,372090E+21	5,581038E+21	2,713316E+21	1,302241E+21	1,302161E+21	2,713079E+21	5,580806E+21
-2946	9,372123E+21	1,307070E+22	1,545044E+22	1,545036E+22	1,307042E+22	9,371749E+21	5,580612E+21	2,713027E+21	1,302162E+21	1,302262E+21	2,713355E+21	5,581032E+21
-2945	9,371956E+21	1,307022E+22	1,544970E+22	1,544973E+22	1,307030E+22	9,371998E+21	5,580897E+21	2,713180E+21	1,302207E+21	1,302213E+21	2,713155E+21	5,580705E+21
-2944	9,371578E+21	1,307005E+22	1,544997E+22	1,544999E+22	1,307034E+22	9,372029E+21	5,581050E+21	2,713390E+21	1,302373E+21	1,302343E+21	2,713311E+21	5,581067E+21
-2943	9,372198E+21	1,307041E+22	1,544983E+22	1,544958E+22	1,306985E+22	9,371595E+21	5,580761E+21	2,713294E+21	1,302446E+21	1,302543E+21	2,713549E+21	5,580998E+21
-2942	9,371645E+21	1,306956E+22	1,544898E+22	1,544921E+22	1,306996E+22	9,371928E+21	5,581191E+21	2,713681E+21	1,302692E+21	1,302632E+21	2,713460E+21	5,580788E+21
-2941	9,371541E+21	1,306984E+22	1,544936E+22	1,544923E+22	1,306972E+22	9,371679E+21	5,581081E+21	2,713747E+21	1,302862E+21	1,302885E+21	2,713878E+21	5,581389E+21
-2940	9,371916E+21	1,306960E+22	1,544867E+22	1,544845E+22	1,306917E+22	9,371401E+21	5,580973E+21	2,713753E+21	1,302971E+21	1,303059E+21	2,713984E+21	5,581168E+21
-2939	9,371289E+21	1,306874E+22	1,544811E+22	1,544843E+22	1,306945E+22	9,371828E+21	5,581449E+21	2,714129E+21	1,303176E+21	1,303112E+21	2,713921E+21	5,581193E+21
-2938	9,371784E+21	1,306955E+22	1,544853E+22	1,544837E+22	1,306916E+22	9,371465E+21	5,581132E+21	2,713989E+21	1,303205E+21	1,303280E+21	2,714251E+21	5,581524E+21
-2937	9,371788E+21	1,306925E+22	1,544797E+22	1,544772E+22	1,306882E+22	9,371483E+21	5,581270E+21	2,714079E+21	1,303238E+21	1,303246E+21	2,714040E+21	5,581061E+21
-2936	9,371146E+21	1,306877E+22	1,544818E+22	1,544830E+22	1,306921E+22	9,371678E+21	5,581460E+21	2,714251E+21	1,303310E+21	1,303234E+21	2,714022E+21	5,581247E+21
-2935	9,371735E+21	1,306936E+22	1,544839E+22	1,544828E+22	1,306903E+22	9,371308E+21	5,581021E+21	2,713933E+21	1,303175E+21	1,303262E+21	2,714209E+21	5,581345E+21
-2934	9,371421E+21	1,306877E+22	1,544781E+22	1,544812E+22	1,306933E+22	9,371738E+21	5,581319E+21	2,714010E+21	1,303093E+21	1,303043E+21	2,713834E+21	5,580980E+21
-2933	9,371323E+21	1,306921E+22	1,544863E+22	1,544868E+22	1,306948E+22	9,371729E+21	5,581251E+21	2,713908E+21	1,302972E+21	1,302947E+21	2,713891E+21	5,581420E+21
-2932	9,372047E+21	1,306970E+22	1,544873E+22	1,544851E+22	1,306918E+22	9,371389E+21	5,580898E+21	2,713597E+21	1,302772E+21	1,302843E+21	2,713789E+21	5,581092E+21
-2931	9,371528E+21	1,306926E+22	1,544869E+22	1,544895E+22	1,306977E+22	9,371894E+21	5,581248E+21	2,713725E+21	1,302704E+21	1,302612E+21	2,713423E+21	5,580823E+21
-2930	9,371774E+21	1,307018E+22	1,544967E+22	1,544950E+22	1,306988E+22	9,371670E+21	5,580906E+21	2,713475E+21	1,302582E+21	1,302616E+21	2,713633E+21	5,581208E+21
-2929	9,371983E+21	1,307012E+22	1,544947E+22	1,544922E+22	1,306969E+22	9,371595E+21	5,580809E+21	2,713332E+21	1,302457E+21	1,302502E+21	2,713428E+21	5,580822E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,371400E+21	1,306949E+22	1,544943E+22	1,544975E+22	1,307024E+22	9,371998E+21	5,581119E+21	2,713531E+21	1,302515E+21	1,302452E+21	2,713339E+21	5,580910E+21
-2927	9,371974E+21	1,307020E+22	1,544966E+22	1,544964E+22	1,307000E+22	9,371663E+21	5,580783E+21	2,713322E+21	1,302474E+21	1,302569E+21	2,713633E+21	5,581178E+21
-2926	9,371866E+21	1,306977E+22	1,544899E+22	1,544906E+22	1,306988E+22	9,371887E+21	5,581070E+21	2,713509E+21	1,302558E+21	1,302542E+21	2,713411E+21	5,580777E+21
-2925	9,371433E+21	1,306965E+22	1,544932E+22	1,544928E+22	1,306983E+22	9,371898E+21	5,581251E+21	2,713759E+21	1,302758E+21	1,302709E+21	2,713623E+21	5,581169E+21
-2924	9,371972E+21	1,306989E+22	1,544909E+22	1,544879E+22	1,306923E+22	9,371317E+21	5,580865E+21	2,713642E+21	1,302856E+21	1,302956E+21	2,713929E+21	5,581181E+21
-2923	9,371455E+21	1,306898E+22	1,544820E+22	1,544845E+22	1,306942E+22	9,371718E+21	5,581293E+21	2,713985E+21	1,303074E+21	1,303034E+21	2,713831E+21	5,580982E+21
-2922	9,371411E+21	1,306929E+22	1,544850E+22	1,544846E+22	1,306928E+22	9,371568E+21	5,581223E+21	2,714058E+21	1,303234E+21	1,303271E+21	2,714229E+21	5,581567E+21
-2921	9,371869E+21	1,306928E+22	1,544801E+22	1,544769E+22	1,306863E+22	9,371227E+21	5,581089E+21	2,714037E+21	1,303304E+21	1,303393E+21	2,714275E+21	5,581325E+21
-2920	9,371256E+21	1,306844E+22	1,544752E+22	1,544777E+22	1,306897E+22	9,371657E+21	5,581562E+21	2,714420E+21	1,303510E+21	1,303433E+21	2,714157E+21	5,581196E+21
-2919	9,371516E+21	1,306907E+22	1,544790E+22	1,544774E+22	1,306871E+22	9,371317E+21	5,581291E+21	2,714314E+21	1,303550E+21	1,303608E+21	2,714518E+21	5,581580E+21
-2918	9,371517E+21	1,306866E+22	1,544733E+22	1,544728E+22	1,306855E+22	9,371370E+21	5,581383E+21	2,714362E+21	1,303565E+21	1,303566E+21	2,714304E+21	5,581133E+21
-2917	9,370925E+21	1,306824E+22	1,544746E+22	1,544771E+22	1,306891E+22	9,371638E+21	5,581608E+21	2,714516E+21	1,303605E+21	1,303533E+21	2,714314E+21	5,581412E+21
-2916	9,371586E+21	1,306886E+22	1,544762E+22	1,544752E+22	1,306853E+22	9,371145E+21	5,581113E+21	2,714167E+21	1,303454E+21	1,303550E+21	2,714496E+21	5,581556E+21
-2915	9,371413E+21	1,306842E+22	1,544716E+22	1,544742E+22	1,306884E+22	9,371582E+21	5,581414E+21	2,714222E+21	1,303341E+21	1,303297E+21	2,714057E+21	5,581104E+21
-2914	9,371321E+21	1,306900E+22	1,544812E+22	1,544808E+22	1,306908E+22	9,371604E+21	5,581361E+21	2,714146E+21	1,303238E+21	1,303207E+21	2,714102E+21	5,581479E+21
-2913	9,371987E+21	1,306960E+22	1,544846E+22	1,544805E+22	1,306873E+22	9,371164E+21	5,580940E+21	2,713804E+21	1,303023E+21	1,303094E+21	2,714001E+21	5,581171E+21
-2912	9,371405E+21	1,306896E+22	1,544831E+22	1,544861E+22	1,306947E+22	9,371715E+21	5,581264E+21	2,713922E+21	1,302964E+21	1,302881E+21	2,713647E+21	5,580853E+21
-2911	9,371507E+21	1,306966E+22	1,544904E+22	1,544901E+22	1,306961E+22	9,371607E+21	5,581018E+21	2,713714E+21	1,302858E+21	1,302899E+21	2,713900E+21	5,581344E+21
-2910	9,371822E+21	1,306958E+22	1,544877E+22	1,544872E+22	1,306944E+22	9,371560E+21	5,580951E+21	2,713586E+21	1,302743E+21	1,302784E+21	2,713665E+21	5,580934E+21
-2909	9,371319E+21	1,306909E+22	1,544870E+22	1,544905E+22	1,306986E+22	9,371977E+21	5,581336E+21	2,713845E+21	1,302829E+21	1,302749E+21	2,713599E+21	5,581026E+21
-2908	9,371842E+21	1,306980E+22	1,544895E+22	1,544881E+22	1,306938E+22	9,371451E+21	5,580934E+21	2,713659E+21	1,302837E+21	1,302915E+21	2,713924E+21	5,581295E+21
-2907	9,371703E+21	1,306932E+22	1,544833E+22	1,544833E+22	1,306928E+22	9,371644E+21	5,581191E+21	2,713831E+21	1,302932E+21	1,302916E+21	2,713722E+21	5,580871E+21
-2906	9,371227E+21	1,306916E+22	1,544861E+22	1,544863E+22	1,306939E+22	9,371711E+21	5,581359E+21	2,714083E+21	1,303149E+21	1,303111E+21	2,713985E+21	5,581314E+21
-2905	9,371820E+21	1,306949E+22	1,544842E+22	1,544807E+22	1,306871E+22	9,371096E+21	5,580928E+21	2,713913E+21	1,303208E+21	1,303330E+21	2,714289E+21	5,581404E+21
-2904	9,371373E+21	1,306851E+22	1,544748E+22	1,544777E+22	1,306897E+22	9,371553E+21	5,581377E+21	2,714257E+21	1,303417E+21	1,303389E+21	2,714141E+21	5,581113E+21
-2903	9,371258E+21	1,306878E+22	1,544771E+22	1,544771E+22	1,306884E+22	9,371477E+21	5,581407E+21	2,714389E+21	1,303591E+21	1,303618E+21	2,714527E+21	5,581699E+21
-2902	9,371732E+21	1,306881E+22	1,544732E+22	1,544706E+22	1,306824E+22	9,371133E+21	5,581276E+21	2,714383E+21	1,303673E+21	1,303736E+21	2,714530E+21	5,581367E+21
-2901	9,371052E+21	1,306799E+22	1,544687E+22	1,544713E+22	1,306855E+22	9,371569E+21	5,581767E+21	2,714778E+21	1,303880E+21	1,303786E+21	2,714461E+21	5,581277E+21
-2900	9,371212E+21	1,306846E+22	1,544712E+22	1,544701E+22	1,306818E+22	9,371093E+21	5,581392E+21	2,714628E+21	1,303916E+21	1,303973E+21	2,714854E+21	5,581749E+21
-2899	9,371322E+21	1,306806E+22	1,544650E+22	1,544652E+22	1,306807E+22	9,371207E+21	5,581473E+21	2,714610E+21	1,303876E+21	1,303895E+21	2,714617E+21	5,581321E+21
-2898	9,370852E+21	1,306780E+22	1,544669E+22	1,544698E+22	1,306847E+22	9,371516E+21	5,581712E+21	2,714753E+21	1,303887E+21	1,303826E+21	2,714588E+21	5,581581E+21
-2897	9,371622E+21	1,306871E+22	1,544711E+22	1,544685E+22	1,306802E+22	9,370939E+21	5,581167E+21	2,714362E+21	1,303688E+21	1,303788E+21	2,714707E+21	5,581699E+21
-2896	9,371446E+21	1,306831E+22	1,544683E+22	1,544696E+22	1,306844E+22	9,371380E+21	5,581439E+21	2,714412E+21	1,303576E+21	1,303524E+21	2,714216E+21	5,581097E+21
-2895	9,371137E+21	1,306870E+22	1,544775E+22	1,544771E+22	1,306879E+22	9,371480E+21	5,581448E+21	2,714374E+21	1,303493E+21	1,303452E+21	2,714298E+21	5,581514E+21
-2894	9,371767E+21	1,306917E+22	1,544803E+22	1,544783E+22	1,306861E+22	9,371110E+21	5,581031E+21	2,714026E+21	1,303283E+21	1,303347E+21	2,714201E+21	5,581215E+21
-2893	9,371210E+21	1,306853E+22	1,544773E+22	1,544816E+22	1,306929E+22	9,371742E+21	5,581432E+21	2,714172E+21	1,303230E+21	1,303149E+21	2,713907E+21	5,580976E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,371287E+21	1,306911E+22	1,544829E+22	1,544832E+22	1,306919E+22	9,371506E+21	5,581165E+21	2,713987E+21	1,303156E+21	1,303193E+21	2,714171E+21	5,581508E+21
-2891	9,371739E+21	1,306915E+22	1,544801E+22	1,544793E+22	1,306896E+22	9,371452E+21	5,581112E+21	2,713869E+21	1,303056E+21	1,303096E+21	2,713932E+21	5,581057E+21
-2890	9,371236E+21	1,306875E+22	1,544800E+22	1,544824E+22	1,306931E+22	9,371812E+21	5,581489E+21	2,714167E+21	1,303185E+21	1,303099E+21	2,713887E+21	5,581116E+21
-2889	9,371706E+21	1,306951E+22	1,544840E+22	1,544810E+22	1,306876E+22	9,371149E+21	5,580990E+21	2,713947E+21	1,303191E+21	1,303276E+21	2,714248E+21	5,581457E+21
-2888	9,371567E+21	1,306889E+22	1,544771E+22	1,544773E+22	1,306880E+22	9,371353E+21	5,581187E+21	2,714095E+21	1,303292E+21	1,303291E+21	2,714055E+21	5,580998E+21
-2887	9,370995E+21	1,306857E+22	1,544780E+22	1,544792E+22	1,306897E+22	9,371562E+21	5,581459E+21	2,714375E+21	1,303508E+21	1,303483E+21	2,714335E+21	5,581523E+21
-2886	9,371691E+21	1,306892E+22	1,544765E+22	1,544746E+22	1,306836E+22	9,371012E+21	5,581084E+21	2,714223E+21	1,303563E+21	1,303679E+21	2,714580E+21	5,581546E+21
-2885	9,371296E+21	1,306812E+22	1,544674E+22	1,544703E+22	1,306854E+22	9,371513E+21	5,581613E+21	2,714615E+21	1,303782E+21	1,303739E+21	2,714440E+21	5,581218E+21
-2884	9,371038E+21	1,306830E+22	1,544696E+22	1,544689E+22	1,306825E+22	9,371300E+21	5,581593E+21	2,714760E+21	1,303987E+21	1,303993E+21	2,714827E+21	5,581791E+21
-2883	9,371506E+21	1,306829E+22	1,544659E+22	1,544632E+22	1,306772E+22	9,370970E+21	5,581426E+21	2,714714E+21	1,304054E+21	1,304118E+21	2,714848E+21	5,581458E+21
-2882	9,370819E+21	1,306745E+22	1,544607E+22	1,544641E+22	1,306812E+22	9,371432E+21	5,581889E+21	2,715083E+21	1,304243E+21	1,304160E+21	2,714799E+21	5,581430E+21
-2881	9,371070E+21	1,306804E+22	1,544641E+22	1,544626E+22	1,306767E+22	9,370885E+21	5,581446E+21	2,714858E+21	1,304213E+21	1,304290E+21	2,715166E+21	5,581981E+21
-2880	9,371308E+21	1,306769E+22	1,544586E+22	1,544587E+22	1,306762E+22	9,370997E+21	5,581504E+21	2,714818E+21	1,304140E+21	1,304165E+21	2,714853E+21	5,581444E+21
-2879	9,370788E+21	1,306748E+22	1,544611E+22	1,544635E+22	1,306807E+22	9,371396E+21	5,581827E+21	2,714995E+21	1,304148E+21	1,304076E+21	2,714799E+21	5,581682E+21
-2878	9,371543E+21	1,306845E+22	1,544674E+22	1,544646E+22	1,306771E+22	9,370840E+21	5,581294E+21	2,714615E+21	1,303957E+21	1,304031E+21	2,714871E+21	5,581696E+21
-2877	9,371276E+21	1,306804E+22	1,544648E+22	1,544661E+22	1,306819E+22	9,371320E+21	5,581587E+21	2,714676E+21	1,303853E+21	1,303792E+21	2,714446E+21	5,581137E+21
-2876	9,370842E+21	1,306819E+22	1,544716E+22	1,544722E+22	1,306847E+22	9,371355E+21	5,581536E+21	2,714624E+21	1,303788E+21	1,303746E+21	2,714559E+21	5,581633E+21
-2875	9,371572E+21	1,306862E+22	1,544729E+22	1,544718E+22	1,306829E+22	9,371061E+21	5,581140E+21	2,714250E+21	1,303561E+21	1,303637E+21	2,714462E+21	5,581352E+21
-2874	9,371110E+21	1,306809E+22	1,544697E+22	1,544743E+22	1,306890E+22	9,371675E+21	5,581578E+21	2,714431E+21	1,303521E+21	1,303444E+21	2,714170E+21	5,581124E+21
-2873	9,371263E+21	1,306886E+22	1,544767E+22	1,544755E+22	1,306862E+22	9,371288E+21	5,581249E+21	2,714231E+21	1,303439E+21	1,303477E+21	2,714417E+21	5,581647E+21
-2872	9,371687E+21	1,306887E+22	1,544750E+22	1,544729E+22	1,306842E+22	9,371180E+21	5,581148E+21	2,714121E+21	1,303364E+21	1,303400E+21	2,714173E+21	5,581106E+21
-2871	9,371022E+21	1,306833E+22	1,544744E+22	1,544767E+22	1,306887E+22	9,371604E+21	5,581564E+21	2,714443E+21	1,303517E+21	1,303437E+21	2,714189E+21	5,581243E+21
-2870	9,371502E+21	1,306900E+22	1,544780E+22	1,544762E+22	1,306845E+22	9,371018E+21	5,581081E+21	2,714221E+21	1,303528E+21	1,303618E+21	2,714544E+21	5,581589E+21
-2869	9,371419E+21	1,306844E+22	1,544703E+22	1,544711E+22	1,306848E+22	9,371310E+21	5,581352E+21	2,714392E+21	1,303630E+21	1,303644E+21	2,714395E+21	5,581180E+21
-2868	9,370822E+21	1,306800E+22	1,544695E+22	1,544711E+22	1,306848E+22	9,371434E+21	5,581623E+21	2,714706E+21	1,303879E+21	1,303848E+21	2,714651E+21	5,581698E+21
-2867	9,371602E+21	1,306845E+22	1,544681E+22	1,544658E+22	1,306786E+22	9,370931E+21	5,581287E+21	2,714575E+21	1,303948E+21	1,304055E+21	2,714882E+21	5,581648E+21
-2866	9,371144E+21	1,306771E+22	1,544601E+22	1,544620E+22	1,306800E+22	9,371380E+21	5,581823E+21	2,715003E+21	1,304196E+21	1,304139E+21	2,714764E+21	5,581308E+21
-2865	9,370822E+21	1,306784E+22	1,544630E+22	1,544614E+22	1,306765E+22	9,371030E+21	5,581689E+21	2,715087E+21	1,304373E+21	1,304383E+21	2,715172E+21	5,581943E+21
-2864	9,371312E+21	1,306775E+22	1,544586E+22	1,544563E+22	1,306724E+22	9,370715E+21	5,581457E+21	2,714988E+21	1,304408E+21	1,304484E+21	2,715178E+21	5,581602E+21
-2863	9,370616E+21	1,306687E+22	1,544524E+22	1,544564E+22	1,306767E+22	9,371287E+21	5,581982E+21	2,715342E+21	1,304559E+21	1,304488E+21	2,715113E+21	5,581635E+21
-2862	9,370998E+21	1,306758E+22	1,544575E+22	1,544566E+22	1,306729E+22	9,370782E+21	5,581568E+21	2,715114E+21	1,304500E+21	1,304565E+21	2,715388E+21	5,582098E+21
-2861	9,371299E+21	1,306748E+22	1,544537E+22	1,544530E+22	1,306724E+22	9,370922E+21	5,581663E+21	2,715087E+21	1,304416E+21	1,304429E+21	2,715074E+21	5,581509E+21
-2860	9,370613E+21	1,306713E+22	1,544563E+22	1,544580E+22	1,306764E+22	9,371224E+21	5,581936E+21	2,715267E+21	1,304446E+21	1,304354E+21	2,715009E+21	5,581730E+21
-2859	9,371362E+21	1,306805E+22	1,544624E+22	1,544599E+22	1,306743E+22	9,370763E+21	5,581399E+21	2,714859E+21	1,304246E+21	1,304321E+21	2,715107E+21	5,581743E+21
-2858	9,371068E+21	1,306761E+22	1,544590E+22	1,544609E+22	1,306793E+22	9,371269E+21	5,581698E+21	2,714911E+21	1,304133E+21	1,304084E+21	2,714710E+21	5,581253E+21
-2857	9,370692E+21	1,306777E+22	1,544655E+22	1,544660E+22	1,306808E+22	9,371223E+21	5,581600E+21	2,714814E+21	1,304033E+21	1,304011E+21	2,714816E+21	5,581808E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,371532E+21	1,306825E+22	1,544667E+22	1,544657E+22	1,306789E+22	9,370886E+21	5,581184E+21	2,714448E+21	1,303806E+21	1,303889E+21	2,714681E+21	5,581456E+21
-2855	9,371033E+21	1,306775E+22	1,544633E+22	1,544671E+22	1,306844E+22	9,371543E+21	5,581692E+21	2,714679E+21	1,303795E+21	1,303713E+21	2,714402E+21	5,581235E+21
-2854	9,371161E+21	1,306852E+22	1,544721E+22	1,544703E+22	1,306820E+22	9,371131E+21	5,581367E+21	2,714509E+21	1,303745E+21	1,303766E+21	2,714636E+21	5,581700E+21
-2853	9,371539E+21	1,306853E+22	1,544703E+22	1,544679E+22	1,306804E+22	9,371028E+21	5,581268E+21	2,714413E+21	1,303692E+21	1,303736E+21	2,714483E+21	5,581216E+21
-2852	9,370759E+21	1,306775E+22	1,544672E+22	1,544701E+22	1,306843E+22	9,371416E+21	5,581645E+21	2,714732E+21	1,303874E+21	1,303802E+21	2,714522E+21	5,581425E+21
-2851	9,371363E+21	1,306844E+22	1,544697E+22	1,544683E+22	1,306804E+22	9,370953E+21	5,581225E+21	2,714513E+21	1,303885E+21	1,303987E+21	2,714870E+21	5,581754E+21
-2850	9,371328E+21	1,306799E+22	1,544623E+22	1,544628E+22	1,306800E+22	9,371231E+21	5,581548E+21	2,714734E+21	1,304009E+21	1,304020E+21	2,714711E+21	5,581329E+21
-2849	9,370753E+21	1,306765E+22	1,544626E+22	1,544627E+22	1,306789E+22	9,371239E+21	5,581770E+21	2,715040E+21	1,304255E+21	1,304217E+21	2,714952E+21	5,581811E+21
-2848	9,371460E+21	1,306804E+22	1,544619E+22	1,544589E+22	1,306732E+22	9,370678E+21	5,581387E+21	2,714911E+21	1,304337E+21	1,304430E+21	2,715176E+21	5,581696E+21
-2847	9,370857E+21	1,306714E+22	1,544528E+22	1,544551E+22	1,306754E+22	9,371212E+21	5,581954E+21	2,715338E+21	1,304582E+21	1,304528E+21	2,715111E+21	5,581452E+21
-2846	9,370572E+21	1,306720E+22	1,544558E+22	1,544554E+22	1,306728E+22	9,370911E+21	5,581815E+21	2,715390E+21	1,304728E+21	1,304740E+21	2,715485E+21	5,582087E+21
-2845	9,371159E+21	1,306724E+22	1,544512E+22	1,544495E+22	1,306685E+22	9,370640E+21	5,581618E+21	2,715277E+21	1,304731E+21	1,304822E+21	2,715513E+21	5,581792E+21
-2844	9,370489E+21	1,306635E+22	1,544445E+22	1,544485E+22	1,306717E+22	9,371126E+21	5,582105E+21	2,715627E+21	1,304882E+21	1,304805E+21	2,715392E+21	5,581805E+21
-2843	9,370979E+21	1,306724E+22	1,544506E+22	1,544487E+22	1,306683E+22	9,370697E+21	5,581717E+21	2,715395E+21	1,304815E+21	1,304870E+21	2,715625E+21	5,582161E+21
-2842	9,371189E+21	1,306720E+22	1,544490E+22	1,544471E+22	1,306682E+22	9,370795E+21	5,581805E+21	2,715381E+21	1,304738E+21	1,304740E+21	2,715320E+21	5,581573E+21
-2841	9,370465E+21	1,306679E+22	1,544517E+22	1,544530E+22	1,306721E+22	9,370998E+21	5,581972E+21	2,715491E+21	1,304730E+21	1,304648E+21	2,715267E+21	5,581833E+21
-2840	9,371199E+21	1,306759E+22	1,544566E+22	1,544550E+22	1,306711E+22	9,370582E+21	5,581411E+21	2,715047E+21	1,304499E+21	1,304584E+21	2,715342E+21	5,581835E+21
-2839	9,370895E+21	1,306712E+22	1,544524E+22	1,544549E+22	1,306760E+22	9,371204E+21	5,581793E+21	2,715107E+21	1,304368E+21	1,304333E+21	2,714954E+21	5,581415E+21
-2838	9,370623E+21	1,306735E+22	1,544598E+22	1,544605E+22	1,306773E+22	9,371155E+21	5,581729E+21	2,715034E+21	1,304268E+21	1,304236E+21	2,714992E+21	5,581873E+21
-2837	9,371482E+21	1,306802E+22	1,544622E+22	1,544600E+22	1,306750E+22	9,370804E+21	5,581337E+21	2,714701E+21	1,304065E+21	1,304144E+21	2,714902E+21	5,581510E+21
-2836	9,370852E+21	1,306737E+22	1,544581E+22	1,544611E+22	1,306795E+22	9,371328E+21	5,581778E+21	2,714951E+21	1,304107E+21	1,304015E+21	2,714647E+21	5,581315E+21
-2835	9,371008E+21	1,306808E+22	1,544659E+22	1,544642E+22	1,306784E+22	9,371015E+21	5,581465E+21	2,714780E+21	1,304077E+21	1,304104E+21	2,714925E+21	5,581794E+21
-2834	9,371366E+21	1,306808E+22	1,544639E+22	1,544617E+22	1,306767E+22	9,370929E+21	5,581392E+21	2,714700E+21	1,304038E+21	1,304093E+21	2,714811E+21	5,581393E+21
-2833	9,370660E+21	1,306729E+22	1,544603E+22	1,544630E+22	1,306794E+22	9,371241E+21	5,581739E+21	2,714996E+21	1,304202E+21	1,304148E+21	2,714844E+21	5,581619E+21
-2832	9,371314E+21	1,306802E+22	1,544625E+22	1,544611E+22	1,306757E+22	9,370778E+21	5,581339E+21	2,714811E+21	1,304227E+21	1,304325E+21	2,715152E+21	5,581855E+21
-2831	9,371187E+21	1,306756E+22	1,544552E+22	1,544548E+22	1,306750E+22	9,371119E+21	5,581737E+21	2,715081E+21	1,304385E+21	1,304389E+21	2,715022E+21	5,581439E+21
-2830	9,370541E+21	1,306713E+22	1,544565E+22	1,544565E+22	1,306741E+22	9,371096E+21	5,581952E+21	2,715406E+21	1,304652E+21	1,304597E+21	2,715251E+21	5,581869E+21
-2829	9,371210E+21	1,306751E+22	1,544551E+22	1,544525E+22	1,306689E+22	9,370538E+21	5,581544E+21	2,715261E+21	1,304733E+21	1,304837E+21	2,715557E+21	5,581843E+21
-2828	9,370565E+21	1,306640E+22	1,544434E+22	1,544466E+22	1,306700E+22	9,371009E+21	5,582057E+21	2,715659E+21	1,304973E+21	1,304926E+21	2,715481E+21	5,581676E+21
-2827	9,370475E+21	1,306660E+22	1,544461E+22	1,544461E+22	1,306678E+22	9,370815E+21	5,581960E+21	2,715692E+21	1,305088E+21	1,305108E+21	2,715815E+21	5,582271E+21
-2826	9,371131E+21	1,306686E+22	1,544436E+22	1,544410E+22	1,306630E+22	9,370499E+21	5,581778E+21	2,715591E+21	1,305076E+21	1,305159E+21	2,715797E+21	5,581940E+21
-2825	9,370474E+21	1,306609E+22	1,544389E+22	1,544413E+22	1,306658E+22	9,370882E+21	5,582185E+21	2,715889E+21	1,305192E+21	1,305112E+21	2,715641E+21	5,581898E+21
-2824	9,370885E+21	1,306696E+22	1,544464E+22	1,544439E+22	1,306640E+22	9,370456E+21	5,581764E+21	2,715641E+21	1,305108E+21	1,305155E+21	2,715846E+21	5,582179E+21
-2823	9,370955E+21	1,306678E+22	1,544440E+22	1,544426E+22	1,306653E+22	9,370695E+21	5,581889E+21	2,715607E+21	1,305011E+21	1,305021E+21	2,715574E+21	5,581668E+21
-2822	9,370256E+21	1,306630E+22	1,544467E+22	1,544492E+22	1,306700E+22	9,370964E+21	5,582078E+21	2,715699E+21	1,304972E+21	1,304891E+21	2,715477E+21	5,581905E+21
-2821	9,371062E+21	1,306719E+22	1,544511E+22	1,544502E+22	1,306686E+22	9,370566E+21	5,581556E+21	2,715263E+21	1,304730E+21	1,304825E+21	2,715575E+21	5,581942E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,370754E+21	1,306665E+22	1,544454E+22	1,544480E+22	1,306716E+22	9,371081E+21	5,581921E+21	2,715355E+21	1,304631E+21	1,304584E+21	2,715167E+21	5,581527E+21
-2819	9,370585E+21	1,306702E+22	1,544532E+22	1,544532E+22	1,306729E+22	9,371079E+21	5,581883E+21	2,715309E+21	1,304565E+21	1,304519E+21	2,715213E+21	5,581910E+21
-2818	9,371342E+21	1,306771E+22	1,544574E+22	1,544541E+22	1,306703E+22	9,370639E+21	5,581473E+21	2,715003E+21	1,304397E+21	1,304467E+21	2,715175E+21	5,581610E+21
-2817	9,370716E+21	1,306697E+22	1,544527E+22	1,544555E+22	1,306747E+22	9,371061E+21	5,581796E+21	2,715189E+21	1,304426E+21	1,304354E+21	2,714964E+21	5,581476E+21
-2816	9,370891E+21	1,306763E+22	1,544595E+22	1,544584E+22	1,306743E+22	9,370796E+21	5,581490E+21	2,715012E+21	1,304385E+21	1,304426E+21	2,715221E+21	5,581937E+21
-2815	9,371236E+21	1,306760E+22	1,544568E+22	1,544549E+22	1,306728E+22	9,370841E+21	5,581518E+21	2,714963E+21	1,304351E+21	1,304419E+21	2,715118E+21	5,581577E+21
-2814	9,370584E+21	1,306686E+22	1,544541E+22	1,544567E+22	1,306753E+22	9,371160E+21	5,581917E+21	2,715305E+21	1,304532E+21	1,304464E+21	2,715091E+21	5,581681E+21
-2813	9,371174E+21	1,306766E+22	1,544568E+22	1,544548E+22	1,306713E+22	9,370694E+21	5,581550E+21	2,715158E+21	1,304590E+21	1,304681E+21	2,715449E+21	5,581912E+21
-2812	9,370902E+21	1,306697E+22	1,544479E+22	1,544476E+22	1,306696E+22	9,370927E+21	5,581897E+21	2,715448E+21	1,304793E+21	1,304787E+21	2,715360E+21	5,581562E+21
-2811	9,370330E+21	1,306650E+22	1,544473E+22	1,544482E+22	1,306696E+22	9,370994E+21	5,582107E+21	2,715753E+21	1,305061E+21	1,305012E+21	2,715616E+21	5,581996E+21
-2810	9,370986E+21	1,306691E+22	1,544464E+22	1,544441E+22	1,306638E+22	9,370411E+21	5,581704E+21	2,715600E+21	1,305128E+21	1,305240E+21	2,715934E+21	5,582076E+21
-2809	9,370508E+21	1,306590E+22	1,544350E+22	1,544379E+22	1,306638E+22	9,370751E+21	5,582128E+21	2,715935E+21	1,305320E+21	1,305290E+21	2,715823E+21	5,581902E+21
-2808	9,370487E+21	1,306624E+22	1,544387E+22	1,544382E+22	1,306620E+22	9,370554E+21	5,582037E+21	2,715972E+21	1,305412E+21	1,305424E+21	2,716077E+21	5,582373E+21
-2807	9,371042E+21	1,306655E+22	1,544381E+22	1,544344E+22	1,306582E+22	9,370349E+21	5,581913E+21	2,715883E+21	1,305400E+21	1,305473E+21	2,716059E+21	5,582027E+21
-2806	9,370302E+21	1,306573E+22	1,544353E+22	1,544372E+22	1,306621E+22	9,370738E+21	5,582307E+21	2,716169E+21	1,305500E+21	1,305406E+21	2,715866E+21	5,581909E+21
-2805	9,370645E+21	1,306655E+22	1,544418E+22	1,544401E+22	1,306617E+22	9,370393E+21	5,581887E+21	2,715892E+21	1,305396E+21	1,305453E+21	2,716118E+21	5,582252E+21
-2804	9,370669E+21	1,306616E+22	1,544366E+22	1,544367E+22	1,306620E+22	9,370604E+21	5,581993E+21	2,715845E+21	1,305293E+21	1,305305E+21	2,715834E+21	5,581818E+21
-2803	9,370166E+21	1,306578E+22	1,544382E+22	1,544418E+22	1,306666E+22	9,370956E+21	5,582226E+21	2,715940E+21	1,305244E+21	1,305162E+21	2,715709E+21	5,581999E+21
-2802	9,370977E+21	1,306684E+22	1,544447E+22	1,544433E+22	1,306642E+22	9,370473E+21	5,581716E+21	2,715537E+21	1,305013E+21	1,305091E+21	2,715796E+21	5,582055E+21
-2801	9,370721E+21	1,306639E+22	1,544403E+22	1,544415E+22	1,306660E+22	9,370812E+21	5,581969E+21	2,715588E+21	1,304910E+21	1,304862E+21	2,715402E+21	5,581625E+21
-2800	9,370504E+21	1,306675E+22	1,544488E+22	1,544483E+22	1,306682E+22	9,370790E+21	5,581904E+21	2,715540E+21	1,304846E+21	1,304802E+21	2,715455E+21	5,581974E+21
-2799	9,371158E+21	1,306732E+22	1,544522E+22	1,544493E+22	1,306670E+22	9,370505E+21	5,581537E+21	2,715225E+21	1,304680E+21	1,304769E+21	2,715469E+21	5,581764E+21
-2798	9,370559E+21	1,306654E+22	1,544478E+22	1,544512E+22	1,306719E+22	9,370984E+21	5,581893E+21	2,715410E+21	1,304697E+21	1,304638E+21	2,715224E+21	5,581604E+21
-2797	9,370797E+21	1,306725E+22	1,544537E+22	1,544532E+22	1,306714E+22	9,370767E+21	5,581648E+21	2,715268E+21	1,304673E+21	1,304727E+21	2,715500E+21	5,582061E+21
-2796	9,371087E+21	1,306710E+22	1,544489E+22	1,544474E+22	1,306681E+22	9,370731E+21	5,581692E+21	2,715285E+21	1,304697E+21	1,304749E+21	2,715390E+21	5,581693E+21
-2795	9,370483E+21	1,306642E+22	1,544459E+22	1,544483E+22	1,306705E+22	9,371093E+21	5,582135E+21	2,715679E+21	1,304931E+21	1,304844E+21	2,715389E+21	5,581724E+21
-2794	9,370914E+21	1,306715E+22	1,544498E+22	1,544474E+22	1,306659E+22	9,370515E+21	5,581742E+21	2,715557E+21	1,305022E+21	1,305097E+21	2,715802E+21	5,582049E+21
-2793	9,370685E+21	1,306635E+22	1,544393E+22	1,544394E+22	1,306634E+22	9,370629E+21	5,581963E+21	2,715773E+21	1,305201E+21	1,305212E+21	2,715758E+21	5,581776E+21
-2792	9,370196E+21	1,306593E+22	1,544383E+22	1,544396E+22	1,306635E+22	9,370715E+21	5,582172E+21	2,716049E+21	1,305429E+21	1,305394E+21	2,715973E+21	5,582191E+21
-2791	9,370877E+21	1,306642E+22	1,544380E+22	1,544355E+22	1,306583E+22	9,370248E+21	5,581834E+21	2,715897E+21	1,305476E+21	1,305596E+21	2,716265E+21	5,582276E+21
-2790	9,370455E+21	1,306557E+22	1,544293E+22	1,544311E+22	1,306588E+22	9,370593E+21	5,582262E+21	2,716230E+21	1,305648E+21	1,305604E+21	2,716066E+21	5,581973E+21
-2789	9,370382E+21	1,306598E+22	1,544344E+22	1,544331E+22	1,306580E+22	9,370427E+21	5,582186E+21	2,716273E+21	1,305744E+21	1,305748E+21	2,716334E+21	5,582402E+21
-2788	9,370758E+21	1,306603E+22	1,544322E+22	1,544293E+22	1,306544E+22	9,370198E+21	5,582039E+21	2,716191E+21	1,305746E+21	1,305806E+21	2,716330E+21	5,582105E+21
-2787	9,370089E+21	1,306519E+22	1,544277E+22	1,544314E+22	1,306597E+22	9,370728E+21	5,582456E+21	2,716455E+21	1,305829E+21	1,305736E+21	2,716149E+21	5,581979E+21
-2786	9,370383E+21	1,306601E+22	1,544348E+22	1,544340E+22	1,306584E+22	9,370360E+21	5,582059E+21	2,716173E+21	1,305702E+21	1,305755E+21	2,716394E+21	5,582422E+21
-2785	9,370584E+21	1,306568E+22	1,544291E+22	1,544295E+22	1,306572E+22	9,370428E+21	5,582072E+21	2,716068E+21	1,305559E+21	1,305584E+21	2,716097E+21	5,581995E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,370179E+21	1,306550E+22	1,544315E+22	1,544345E+22	1,306614E+22	9,370731E+21	5,582297E+21	2,716166E+21	1,305496E+21	1,305410E+21	2,715919E+21	5,582080E+21
-2783	9,370885E+21	1,306660E+22	1,544398E+22	1,544373E+22	1,306596E+22	9,370309E+21	5,581812E+21	2,715775E+21	1,305283E+21	1,305360E+21	2,716034E+21	5,582160E+21
-2782	9,370592E+21	1,306613E+22	1,544373E+22	1,544379E+22	1,306623E+22	9,370611E+21	5,582017E+21	2,715807E+21	1,305176E+21	1,305128E+21	2,715630E+21	5,581698E+21
-2781	9,370348E+21	1,306641E+22	1,544445E+22	1,544447E+22	1,306658E+22	9,370671E+21	5,581961E+21	2,715746E+21	1,305112E+21	1,305087E+21	2,715725E+21	5,582089E+21
-2780	9,370953E+21	1,306680E+22	1,544453E+22	1,544437E+22	1,306637E+22	9,370410E+21	5,581639E+21	2,715464E+21	1,304966E+21	1,305059E+21	2,715735E+21	5,581937E+21
-2779	9,370518E+21	1,306611E+22	1,544396E+22	1,544438E+22	1,306685E+22	9,370974E+21	5,582071E+21	2,715695E+21	1,305010E+21	1,304944E+21	2,715471E+21	5,581674E+21
-2778	9,370637E+21	1,306686E+22	1,544470E+22	1,544460E+22	1,306669E+22	9,370698E+21	5,581871E+21	2,715619E+21	1,305029E+21	1,305055E+21	2,715752E+21	5,582148E+21
-2777	9,370945E+21	1,306668E+22	1,544423E+22	1,544400E+22	1,306622E+22	9,370481E+21	5,581803E+21	2,715612E+21	1,305074E+21	1,305123E+21	2,715700E+21	5,581800E+21
-2776	9,370306E+21	1,306595E+22	1,544385E+22	1,544410E+22	1,306648E+22	9,370808E+21	5,582222E+21	2,716005E+21	1,305312E+21	1,305228E+21	2,715722E+21	5,581832E+21
-2775	9,370649E+21	1,306657E+22	1,544417E+22	1,544401E+22	1,306613E+22	9,370352E+21	5,581853E+21	2,715867E+21	1,305400E+21	1,305492E+21	2,716182E+21	5,582262E+21
-2774	9,370514E+21	1,306583E+22	1,544323E+22	1,544324E+22	1,306585E+22	9,370447E+21	5,582068E+21	2,716062E+21	1,305550E+21	1,305572E+21	2,716089E+21	5,581963E+21
-2773	9,370118E+21	1,306551E+22	1,544312E+22	1,544326E+22	1,306590E+22	9,370573E+21	5,582306E+21	2,716341E+21	1,305771E+21	1,305746E+21	2,716289E+21	5,582338E+21
-2772	9,370738E+21	1,306595E+22	1,544302E+22	1,544275E+22	1,306531E+22	9,370095E+21	5,581999E+21	2,716237E+21	1,305847E+21	1,305951E+21	2,716553E+21	5,582397E+21
-2771	9,370350E+21	1,306518E+22	1,544220E+22	1,544238E+22	1,306545E+22	9,370510E+21	5,582454E+21	2,716590E+21	1,306040E+21	1,305979E+21	2,716355E+21	5,582006E+21
-2770	9,370098E+21	1,306550E+22	1,544284E+22	1,544275E+22	1,306542E+22	9,370313E+21	5,582363E+21	2,716632E+21	1,306135E+21	1,306121E+21	2,716646E+21	5,582526E+21
-2769	9,370543E+21	1,306543E+22	1,544243E+22	1,544226E+22	1,306501E+22	9,370001E+21	5,582101E+21	2,716460E+21	1,306088E+21	1,306164E+21	2,716662E+21	5,582292E+21
-2768	9,369976E+21	1,306468E+22	1,544194E+22	1,544238E+22	1,306550E+22	9,370543E+21	5,582534E+21	2,716692E+21	1,306112E+21	1,306031E+21	2,716428E+21	5,582138E+21
-2767	9,370276E+21	1,306558E+22	1,544275E+22	1,544266E+22	1,306540E+22	9,370250E+21	5,582177E+21	2,716404E+21	1,305962E+21	1,306019E+21	2,716639E+21	5,582570E+21
-2766	9,370530E+21	1,306545E+22	1,544248E+22	1,544237E+22	1,306526E+22	9,370259E+21	5,582163E+21	2,716288E+21	1,305800E+21	1,305814E+21	2,716278E+21	5,582059E+21
-2765	9,370112E+21	1,306534E+22	1,544285E+22	1,544303E+22	1,306577E+22	9,370567E+21	5,582368E+21	2,716377E+21	1,305746E+21	1,305662E+21	2,716127E+21	5,582120E+21
-2764	9,370670E+21	1,306619E+22	1,544348E+22	1,544327E+22	1,306563E+22	9,370154E+21	5,581882E+21	2,716009E+21	1,305558E+21	1,305630E+21	2,716263E+21	5,582254E+21
-2763	9,370458E+21	1,306573E+22	1,544309E+22	1,544328E+22	1,306603E+22	9,370588E+21	5,582123E+21	2,716042E+21	1,305460E+21	1,305417E+21	2,715878E+21	5,581781E+21
-2762	9,370157E+21	1,306599E+22	1,544388E+22	1,544395E+22	1,306629E+22	9,370633E+21	5,582116E+21	2,716014E+21	1,305406E+21	1,305372E+21	2,715972E+21	5,582244E+21
-2761	9,370872E+21	1,306633E+22	1,544380E+22	1,544368E+22	1,306593E+22	9,370249E+21	5,581741E+21	2,715725E+21	1,305269E+21	1,305362E+21	2,715994E+21	5,582074E+21
-2760	9,370468E+21	1,306579E+22	1,544326E+22	1,544360E+22	1,306630E+22	9,370780E+21	5,582208E+21	2,715999E+21	1,305335E+21	1,305260E+21	2,715728E+21	5,581738E+21
-2759	9,370413E+21	1,306645E+22	1,544409E+22	1,544390E+22	1,306618E+22	9,370537E+21	5,582031E+21	2,715954E+21	1,305398E+21	1,305420E+21	2,716061E+21	5,582241E+21
-2758	9,370688E+21	1,306621E+22	1,544366E+22	1,544340E+22	1,306575E+22	9,370263E+21	5,581900E+21	2,715925E+21	1,305446E+21	1,305501E+21	2,716034E+21	5,581933E+21
-2757	9,370105E+21	1,306543E+22	1,544313E+22	1,544344E+22	1,306606E+22	9,370634E+21	5,582300E+21	2,716287E+21	1,305679E+21	1,305619E+21	2,716090E+21	5,582018E+21
-2756	9,370440E+21	1,306590E+22	1,544322E+22	1,544314E+22	1,306561E+22	9,370194E+21	5,581980E+21	2,716182E+21	1,305774E+21	1,305871E+21	2,716530E+21	5,582496E+21
-2755	9,370488E+21	1,306536E+22	1,544230E+22	1,544235E+22	1,306537E+22	9,370347E+21	5,582241E+21	2,716404E+21	1,305935E+21	1,305949E+21	2,716399E+21	5,582083E+21
-2754	9,369985E+21	1,306513E+22	1,544247E+22	1,544251E+22	1,306538E+22	9,370440E+21	5,582506E+21	2,716718E+21	1,306170E+21	1,306116E+21	2,716581E+21	5,582460E+21
-2753	9,370593E+21	1,306550E+22	1,544236E+22	1,544206E+22	1,306476E+22	9,369859E+21	5,582111E+21	2,716573E+21	1,306240E+21	1,306340E+21	2,716875E+21	5,582509E+21
-2752	9,370173E+21	1,306472E+22	1,544152E+22	1,544172E+22	1,306498E+22	9,370303E+21	5,582559E+21	2,716895E+21	1,306396E+21	1,306343E+21	2,716675E+21	5,582107E+21
-2751	9,369824E+21	1,306493E+22	1,544213E+22	1,544211E+22	1,306507E+22	9,370240E+21	5,582494E+21	2,716905E+21	1,306459E+21	1,306461E+21	2,716966E+21	5,582692E+21
-2750	9,370382E+21	1,306498E+22	1,544182E+22	1,544165E+22	1,306463E+22	9,369891E+21	5,582205E+21	2,716691E+21	1,306360E+21	1,306444E+21	2,716922E+21	5,582449E+21
-2749	9,369933E+21	1,306435E+22	1,544131E+22	1,544174E+22	1,306511E+22	9,370429E+21	5,582631E+21	2,716906E+21	1,306363E+21	1,306288E+21	2,716651E+21	5,582238E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,370160E+21	1,306519E+22	1,544210E+22	1,544196E+22	1,306494E+22	9,370115E+21	5,582306E+21	2,716665E+21	1,306237E+21	1,306275E+21	2,716840E+21	5,582658E+21
-2747	9,370462E+21	1,306516E+22	1,544194E+22	1,544179E+22	1,306487E+22	9,370131E+21	5,582284E+21	2,716562E+21	1,306100E+21	1,306098E+21	2,716493E+21	5,582072E+21
-2746	9,369871E+21	1,306496E+22	1,544243E+22	1,544262E+22	1,306545E+22	9,370431E+21	5,582471E+21	2,716646E+21	1,306051E+21	1,305954E+21	2,716377E+21	5,582241E+21
-2745	9,370509E+21	1,306570E+22	1,544285E+22	1,544273E+22	1,306528E+22	9,369978E+21	5,581913E+21	2,716221E+21	1,305842E+21	1,305931E+21	2,716542E+21	5,582420E+21
-2744	9,370398E+21	1,306534E+22	1,544241E+22	1,544261E+22	1,306560E+22	9,370439E+21	5,582203E+21	2,716256E+21	1,305718E+21	1,305688E+21	2,716125E+21	5,581907E+21
-2743	9,370048E+21	1,306560E+22	1,544324E+22	1,544329E+22	1,306591E+22	9,370562E+21	5,582258E+21	2,716266E+21	1,305686E+21	1,305652E+21	2,716207E+21	5,582337E+21
-2742	9,370756E+21	1,306607E+22	1,544336E+22	1,544309E+22	1,306549E+22	9,370094E+21	5,581858E+21	2,715994E+21	1,305567E+21	1,305649E+21	2,716218E+21	5,582129E+21
-2741	9,370309E+21	1,306546E+22	1,544279E+22	1,544306E+22	1,306589E+22	9,370608E+21	5,582307E+21	2,716278E+21	1,305668E+21	1,305600E+21	2,716014E+21	5,581805E+21
-2740	9,370118E+21	1,306582E+22	1,544332E+22	1,544323E+22	1,306576E+22	9,370386E+21	5,582154E+21	2,716269E+21	1,305766E+21	1,305791E+21	2,716392E+21	5,582401E+21
-2739	9,370516E+21	1,306563E+22	1,544277E+22	1,544264E+22	1,306537E+22	9,370180E+21	5,582047E+21	2,716246E+21	1,305828E+21	1,305893E+21	2,716389E+21	5,582100E+21
-2738	9,369925E+21	1,306489E+22	1,544234E+22	1,544267E+22	1,306559E+22	9,370517E+21	5,582470E+21	2,716626E+21	1,306061E+21	1,305997E+21	2,716435E+21	5,582257E+21
-2737	9,370401E+21	1,306540E+22	1,544233E+22	1,544223E+22	1,306502E+22	9,369974E+21	5,582096E+21	2,716506E+21	1,306157E+21	1,306256E+21	2,716863E+21	5,582679E+21
-2736	9,370471E+21	1,306504E+22	1,544158E+22	1,544147E+22	1,306472E+22	9,370119E+21	5,582389E+21	2,716749E+21	1,306317E+21	1,306326E+21	2,716710E+21	5,582180E+21
-2735	9,369785E+21	1,306471E+22	1,544187E+22	1,544184E+22	1,306489E+22	9,370273E+21	5,582665E+21	2,717070E+21	1,306566E+21	1,306510E+21	2,716909E+21	5,582551E+21
-2734	9,370337E+21	1,306502E+22	1,544180E+22	1,544150E+22	1,306436E+22	9,369686E+21	5,582217E+21	2,716881E+21	1,306604E+21	1,306707E+21	2,717197E+21	5,582637E+21
-2733	9,369976E+21	1,306422E+22	1,544084E+22	1,544110E+22	1,306463E+22	9,370200E+21	5,582657E+21	2,717153E+21	1,306723E+21	1,306689E+21	2,716993E+21	5,582259E+21
-2732	9,369613E+21	1,306428E+22	1,544122E+22	1,544130E+22	1,306462E+22	9,370152E+21	5,582647E+21	2,717184E+21	1,306769E+21	1,306766E+21	2,717230E+21	5,582841E+21
-2731	9,370322E+21	1,306454E+22	1,544100E+22	1,544086E+22	1,306421E+22	9,369818E+21	5,582373E+21	2,716983E+21	1,306668E+21	1,306734E+21	2,717145E+21	5,582503E+21
-2730	9,369796E+21	1,306405E+22	1,544081E+22	1,544112E+22	1,306464E+22	9,370279E+21	5,582775E+21	2,717203E+21	1,306673E+21	1,306567E+21	2,716867E+21	5,582328E+21
-2729	9,370034E+21	1,306480E+22	1,544155E+22	1,544137E+22	1,306446E+22	9,369866E+21	5,582352E+21	2,716915E+21	1,306541E+21	1,306577E+21	2,717090E+21	5,582749E+21
-2728	9,370346E+21	1,306482E+22	1,544143E+22	1,544127E+22	1,306447E+22	9,369933E+21	5,582329E+21	2,716776E+21	1,306368E+21	1,306383E+21	2,716756E+21	5,582176E+21
-2727	9,369689E+21	1,306454E+22	1,544191E+22	1,544214E+22	1,306518E+22	9,370359E+21	5,582552E+21	2,716847E+21	1,306305E+21	1,306229E+21	2,716638E+21	5,582377E+21
-2726	9,370401E+21	1,306537E+22	1,544238E+22	1,544225E+22	1,306498E+22	9,369895E+21	5,581999E+21	2,716413E+21	1,306075E+21	1,306173E+21	2,716760E+21	5,582541E+21
-2725	9,370368E+21	1,306508E+22	1,544191E+22	1,544205E+22	1,306528E+22	9,370364E+21	5,582303E+21	2,716466E+21	1,305970E+21	1,305948E+21	2,716341E+21	5,581975E+21
-2724	9,369880E+21	1,306515E+22	1,544258E+22	1,544260E+22	1,306548E+22	9,370472E+21	5,582425E+21	2,716561E+21	1,305998E+21	1,305948E+21	2,716438E+21	5,582395E+21
-2723	9,370587E+21	1,306562E+22	1,544271E+22	1,544247E+22	1,306510E+22	9,369982E+21	5,582021E+21	2,716327E+21	1,305932E+21	1,306004E+21	2,716506E+21	5,582188E+21
-2722	9,370037E+21	1,306492E+22	1,544215E+22	1,544245E+22	1,306547E+22	9,370451E+21	5,582440E+21	2,716612E+21	1,306051E+21	1,305977E+21	2,716360E+21	5,582009E+21
-2721	9,369967E+21	1,306517E+22	1,544241E+22	1,544239E+22	1,306522E+22	9,370171E+21	5,582232E+21	2,716564E+21	1,306140E+21	1,306184E+21	2,716764E+21	5,582641E+21
-2720	9,370499E+21	1,306517E+22	1,544192E+22	1,544170E+22	1,306472E+22	9,369962E+21	5,582165E+21	2,716543E+21	1,306178E+21	1,306259E+21	2,716728E+21	5,582286E+21
-2719	9,369848E+21	1,306450E+22	1,544163E+22	1,544186E+22	1,306504E+22	9,370360E+21	5,582621E+21	2,716945E+21	1,306426E+21	1,306363E+21	2,716743E+21	5,582381E+21
-2718	9,370302E+21	1,306513E+22	1,544185E+22	1,544157E+22	1,306449E+22	9,369780E+21	5,582226E+21	2,716830E+21	1,306525E+21	1,306615E+21	2,717150E+21	5,582759E+21
-2717	9,370304E+21	1,306466E+22	1,544107E+22	1,544091E+22	1,306431E+22	9,369951E+21	5,582494E+21	2,717057E+21	1,306693E+21	1,306707E+21	2,717022E+21	5,582244E+21
-2716	9,369463E+21	1,306402E+22	1,544106E+22	1,544119E+22	1,306453E+22	9,370190E+21	5,582827E+21	2,717404E+21	1,306946E+21	1,306887E+21	2,717235E+21	5,582674E+21
-2715	9,370122E+21	1,306439E+22	1,544093E+22	1,544078E+22	1,306402E+22	9,369644E+21	5,582400E+21	2,717211E+21	1,306972E+21	1,307071E+21	2,717512E+21	5,582758E+21
-2714	9,369758E+21	1,306363E+22	1,544005E+22	1,544035E+22	1,306418E+22	9,370111E+21	5,582844E+21	2,717476E+21	1,307065E+21	1,307016E+21	2,717287E+21	5,582453E+21
-2713	9,369543E+21	1,306375E+22	1,544035E+22	1,544041E+22	1,306404E+22	9,369952E+21	5,582760E+21	2,717472E+21	1,307096E+21	1,307089E+21	2,717504E+21	5,582975E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,370295E+21	1,306425E+22	1,544038E+22	1,544005E+22	1,306357E+22	9,369580E+21	5,582482E+21	2,717258E+21	1,306973E+21	1,307039E+21	2,717405E+21	5,582582E+21
-2711	9,369635E+21	1,306370E+22	1,544036E+22	1,544060E+22	1,306420E+22	9,370078E+21	5,582843E+21	2,717450E+21	1,306975E+21	1,306878E+21	2,717140E+21	5,582421E+21
-2710	9,369886E+21	1,306448E+22	1,544115E+22	1,544097E+22	1,306414E+22	9,369683E+21	5,582368E+21	2,717110E+21	1,306804E+21	1,306855E+21	2,717351E+21	5,582884E+21
-2709	9,370257E+21	1,306448E+22	1,544096E+22	1,544083E+22	1,306422E+22	9,369834E+21	5,582354E+21	2,716934E+21	1,306602E+21	1,306640E+21	2,716996E+21	5,582303E+21
-2708	9,369567E+21	1,306405E+22	1,544123E+22	1,544153E+22	1,306486E+22	9,370324E+21	5,582689E+21	2,717067E+21	1,306548E+21	1,306469E+21	2,716840E+21	5,582470E+21
-2707	9,370345E+21	1,306501E+22	1,544175E+22	1,544165E+22	1,306466E+22	9,369869E+21	5,582182E+21	2,716690E+21	1,306355E+21	1,306431E+21	2,716944E+21	5,582546E+21
-2706	9,370179E+21	1,306475E+22	1,544146E+22	1,544151E+22	1,306487E+22	9,370269E+21	5,582484E+21	2,716778E+21	1,306289E+21	1,306241E+21	2,716577E+21	5,582063E+21
-2705	9,369697E+21	1,306462E+22	1,544189E+22	1,544193E+22	1,306499E+22	9,370266E+21	5,582522E+21	2,716858E+21	1,306347E+21	1,306300E+21	2,716742E+21	5,582501E+21
-2704	9,370427E+21	1,306515E+22	1,544199E+22	1,544173E+22	1,306458E+22	9,369794E+21	5,582124E+21	2,716608E+21	1,306271E+21	1,306364E+21	2,716852E+21	5,582356E+21
-2703	9,369873E+21	1,306441E+22	1,544143E+22	1,544175E+22	1,306501E+22	9,370299E+21	5,582543E+21	2,716886E+21	1,306393E+21	1,306342E+21	2,716708E+21	5,582208E+21
-2702	9,369908E+21	1,306478E+22	1,544175E+22	1,544166E+22	1,306471E+22	9,369979E+21	5,582327E+21	2,716837E+21	1,306468E+21	1,306520E+21	2,717068E+21	5,582817E+21
-2701	9,370491E+21	1,306488E+22	1,544132E+22	1,544100E+22	1,306424E+22	9,369794E+21	5,582270E+21	2,716831E+21	1,306526E+21	1,306608E+21	2,717017E+21	5,582380E+21
-2700	9,369671E+21	1,306402E+22	1,544094E+22	1,544109E+22	1,306451E+22	9,370225E+21	5,582813E+21	2,717310E+21	1,306819E+21	1,306739E+21	2,717037E+21	5,582433E+21
-2699	9,370053E+21	1,306457E+22	1,544114E+22	1,544095E+22	1,306411E+22	9,369675E+21	5,582428E+21	2,717224E+21	1,306954E+21	1,307026E+21	2,717477E+21	5,582808E+21
-2698	9,369964E+21	1,306401E+22	1,544033E+22	1,544029E+22	1,306393E+22	9,369854E+21	5,582673E+21	2,717429E+21	1,307111E+21	1,307117E+21	2,717397E+21	5,582449E+21
-2697	9,369260E+21	1,306325E+22	1,544000E+22	1,544027E+22	1,306400E+22	9,370030E+21	5,582954E+21	2,717725E+21	1,307332E+21	1,307286E+21	2,717603E+21	5,582879E+21
-2696	9,370047E+21	1,306387E+22	1,543999E+22	1,543980E+22	1,306337E+22	9,369462E+21	5,582549E+21	2,717510E+21	1,307310E+21	1,307418E+21	2,717832E+21	5,582929E+21
-2695	9,369681E+21	1,306324E+22	1,543935E+22	1,543954E+22	1,306359E+22	9,369909E+21	5,582962E+21	2,717763E+21	1,307390E+21	1,307339E+21	2,717562E+21	5,582564E+21
-2694	9,369477E+21	1,306353E+22	1,543991E+22	1,543980E+22	1,306349E+22	9,369699E+21	5,582822E+21	2,717722E+21	1,307391E+21	1,307381E+21	2,717749E+21	5,583061E+21
-2693	9,370200E+21	1,306400E+22	1,544001E+22	1,543964E+22	1,306322E+22	9,369380E+21	5,582496E+21	2,717459E+21	1,307248E+21	1,307326E+21	2,717652E+21	5,582653E+21
-2692	9,369427E+21	1,306323E+22	1,543980E+22	1,544014E+22	1,306395E+22	9,370010E+21	5,582933E+21	2,717664E+21	1,307235E+21	1,307146E+21	2,717383E+21	5,582529E+21
-2691	9,369760E+21	1,306404E+22	1,544056E+22	1,544054E+22	1,306396E+22	9,369691E+21	5,582514E+21	2,717343E+21	1,307062E+21	1,307108E+21	2,717565E+21	5,582962E+21
-2690	9,370111E+21	1,306408E+22	1,544042E+22	1,544036E+22	1,306395E+22	9,369819E+21	5,582523E+21	2,717187E+21	1,306858E+21	1,306879E+21	2,717207E+21	5,582437E+21
-2689	9,369504E+21	1,306362E+22	1,544050E+22	1,544081E+22	1,306441E+22	9,370206E+21	5,582827E+21	2,717335E+21	1,306835E+21	1,306745E+21	2,717061E+21	5,582529E+21
-2688	9,370237E+21	1,306471E+22	1,544119E+22	1,544093E+22	1,306408E+22	9,369690E+21	5,582333E+21	2,716978E+21	1,306663E+21	1,306734E+21	2,717199E+21	5,582598E+21
-2687	9,369947E+21	1,306430E+22	1,544092E+22	1,544096E+22	1,306441E+22	9,370067E+21	5,582581E+21	2,717065E+21	1,306626E+21	1,306587E+21	2,716891E+21	5,582181E+21
-2686	9,369537E+21	1,306421E+22	1,544128E+22	1,544133E+22	1,306455E+22	9,370052E+21	5,582566E+21	2,717103E+21	1,306666E+21	1,306640E+21	2,717072E+21	5,582695E+21
-2685	9,370360E+21	1,306474E+22	1,544130E+22	1,544105E+22	1,306414E+22	9,369617E+21	5,582162E+21	2,716832E+21	1,306580E+21	1,306694E+21	2,717162E+21	5,582530E+21
-2684	9,369774E+21	1,306390E+22	1,544062E+22	1,544097E+22	1,306453E+22	9,370176E+21	5,582683E+21	2,717173E+21	1,306721E+21	1,306668E+21	2,716988E+21	5,582343E+21
-2683	9,369845E+21	1,306440E+22	1,544107E+22	1,544099E+22	1,306427E+22	9,369861E+21	5,582513E+21	2,717187E+21	1,306842E+21	1,306868E+21	2,717328E+21	5,582853E+21
-2682	9,370258E+21	1,306444E+22	1,544077E+22	1,544042E+22	1,306379E+22	9,369660E+21	5,582463E+21	2,717211E+21	1,306932E+21	1,306990E+21	2,717332E+21	5,582492E+21
-2681	9,369425E+21	1,306336E+22	1,544009E+22	1,544036E+22	1,306403E+22	9,370048E+21	5,582958E+21	2,717675E+21	1,307244E+21	1,307167E+21	2,717408E+21	5,582554E+21
-2680	9,369814E+21	1,306397E+22	1,544027E+22	1,544010E+22	1,306356E+22	9,369536E+21	5,582599E+21	2,717565E+21	1,307351E+21	1,307439E+21	2,717862E+21	5,582984E+21
-2679	9,369745E+21	1,306338E+22	1,543946E+22	1,543948E+22	1,306342E+22	9,369721E+21	5,582828E+21	2,717749E+21	1,307486E+21	1,307510E+21	2,717766E+21	5,582659E+21
-2678	9,369211E+21	1,306282E+22	1,543918E+22	1,543941E+22	1,306342E+22	9,369824E+21	5,583057E+21	2,718005E+21	1,307663E+21	1,307624E+21	2,717913E+21	5,583060E+21
-2677	9,370040E+21	1,306358E+22	1,543934E+22	1,543902E+22	1,306282E+22	9,369244E+21	5,582619E+21	2,717770E+21	1,307627E+21	1,307733E+21	2,718094E+21	5,583027E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,369541E+21	1,306286E+22	1,543875E+22	1,543887E+22	1,306308E+22	9,369719E+21	5,583083E+21	2,718054E+21	1,307714E+21	1,307652E+21	2,717817E+21	5,582637E+21
-2675	9,369308E+21	1,306312E+22	1,543940E+22	1,543938E+22	1,306318E+22	9,369552E+21	5,582937E+21	2,718015E+21	1,307719E+21	1,307695E+21	2,718003E+21	5,583115E+21
-2674	9,369957E+21	1,306354E+22	1,543951E+22	1,543926E+22	1,306298E+22	9,369320E+21	5,582620E+21	2,717723E+21	1,307547E+21	1,307619E+21	2,717927E+21	5,582823E+21
-2673	9,369298E+21	1,306268E+22	1,543901E+22	1,543948E+22	1,306358E+22	9,369924E+21	5,583045E+21	2,717900E+21	1,307514E+21	1,307431E+21	2,717635E+21	5,582650E+21
-2672	9,369687E+21	1,306370E+22	1,543989E+22	1,543980E+22	1,306349E+22	9,369614E+21	5,582680E+21	2,717590E+21	1,307323E+21	1,307365E+21	2,717780E+21	5,583033E+21
-2671	9,369985E+21	1,306376E+22	1,543990E+22	1,543978E+22	1,306353E+22	9,369694E+21	5,582658E+21	2,717450E+21	1,307142E+21	1,307154E+21	2,717424E+21	5,582489E+21
-2670	9,369391E+21	1,306335E+22	1,544001E+22	1,544026E+22	1,306395E+22	9,369989E+21	5,582894E+21	2,717578E+21	1,307120E+21	1,307030E+21	2,717303E+21	5,582601E+21
-2669	9,370071E+21	1,306435E+22	1,544070E+22	1,544047E+22	1,306373E+22	9,369489E+21	5,582349E+21	2,717196E+21	1,306954E+21	1,307038E+21	2,717474E+21	5,582704E+21
-2668	9,369736E+21	1,306377E+22	1,544022E+22	1,544035E+22	1,306403E+22	9,369937E+21	5,582670E+21	2,717308E+21	1,306925E+21	1,306901E+21	2,717190E+21	5,582344E+21
-2667	9,369414E+21	1,306372E+22	1,544057E+22	1,544075E+22	1,306419E+22	9,369950E+21	5,582704E+21	2,717383E+21	1,306984E+21	1,306955E+21	2,717349E+21	5,582826E+21
-2666	9,370240E+21	1,306433E+22	1,544066E+22	1,544044E+22	1,306375E+22	9,369529E+21	5,582331E+21	2,717140E+21	1,306912E+21	1,307015E+21	2,717450E+21	5,582709E+21
-2665	9,369703E+21	1,306345E+22	1,543980E+22	1,544011E+22	1,306397E+22	9,370008E+21	5,582837E+21	2,717509E+21	1,307098E+21	1,307037E+21	2,717288E+21	5,582431E+21
-2664	9,369686E+21	1,306401E+22	1,544040E+22	1,544018E+22	1,306366E+22	9,369686E+21	5,582701E+21	2,717551E+21	1,307244E+21	1,307266E+21	2,717661E+21	5,582939E+21
-2663	9,369976E+21	1,306387E+22	1,544007E+22	1,543979E+22	1,306332E+22	9,369471E+21	5,582602E+21	2,717573E+21	1,307357E+21	1,307422E+21	2,717716E+21	5,582646E+21
-2662	9,369238E+21	1,306281E+22	1,543923E+22	1,543957E+22	1,306353E+22	9,369853E+21	5,583055E+21	2,717986E+21	1,307630E+21	1,307573E+21	2,717796E+21	5,582772E+21
-2661	9,369689E+21	1,306344E+22	1,543942E+22	1,543928E+22	1,306304E+22	9,369353E+21	5,582681E+21	2,717845E+21	1,307704E+21	1,307805E+21	2,718194E+21	5,583165E+21
-2660	9,369626E+21	1,306285E+22	1,543857E+22	1,543857E+22	1,306285E+22	9,369565E+21	5,582989E+21	2,718065E+21	1,307832E+21	1,307850E+21	2,718056E+21	5,582796E+21
-2659	9,369128E+21	1,306245E+22	1,543852E+22	1,543871E+22	1,306292E+22	9,369655E+21	5,583222E+21	2,718344E+21	1,308020E+21	1,307953E+21	2,718160E+21	5,583103E+21
-2658	9,369834E+21	1,306321E+22	1,543886E+22	1,543851E+22	1,306241E+22	9,369095E+21	5,582764E+21	2,718094E+21	1,307977E+21	1,308063E+21	2,718372E+21	5,583140E+21
-2657	9,369346E+21	1,306233E+22	1,543805E+22	1,543827E+22	1,306269E+22	9,369556E+21	5,583173E+21	2,718336E+21	1,308055E+21	1,307997E+21	2,718117E+21	5,582750E+21
-2656	9,369139E+21	1,306269E+22	1,543877E+22	1,543874E+22	1,306278E+22	9,369466E+21	5,583068E+21	2,718269E+21	1,308020E+21	1,308006E+21	2,718290E+21	5,583252E+21
-2655	9,369782E+21	1,306305E+22	1,543888E+22	1,543873E+22	1,306267E+22	9,369245E+21	5,582747E+21	2,717968E+21	1,307828E+21	1,307906E+21	2,718183E+21	5,582962E+21
-2654	9,369274E+21	1,306240E+22	1,543839E+22	1,543884E+22	1,306318E+22	9,369792E+21	5,583137E+21	2,718118E+21	1,307764E+21	1,307684E+21	2,717860E+21	5,582758E+21
-2653	9,369620E+21	1,306346E+22	1,543938E+22	1,543918E+22	1,306305E+22	9,369446E+21	5,582742E+21	2,717809E+21	1,307582E+21	1,307615E+21	2,717970E+21	5,583054E+21
-2652	9,369768E+21	1,306335E+22	1,543935E+22	1,543920E+22	1,306310E+22	9,369537E+21	5,582771E+21	2,717711E+21	1,307431E+21	1,307438E+21	2,717663E+21	5,582558E+21
-2651	9,369195E+21	1,306290E+22	1,543945E+22	1,543982E+22	1,306363E+22	9,369827E+21	5,582981E+21	2,717846E+21	1,307432E+21	1,307337E+21	2,717572E+21	5,582702E+21
-2650	9,369852E+21	1,306385E+22	1,544006E+22	1,543995E+22	1,306343E+22	9,369391E+21	5,582452E+21	2,717451E+21	1,307256E+21	1,307347E+21	2,717781E+21	5,582932E+21
-2649	9,369659E+21	1,306324E+22	1,543935E+22	1,543955E+22	1,306355E+22	9,369782E+21	5,582764E+21	2,717565E+21	1,307238E+21	1,307225E+21	2,717486E+21	5,582520E+21
-2648	9,369394E+21	1,306341E+22	1,543988E+22	1,543989E+22	1,306361E+22	9,369800E+21	5,582858E+21	2,717673E+21	1,307308E+21	1,307276E+21	2,717617E+21	5,582932E+21
-2647	9,370107E+21	1,306398E+22	1,544010E+22	1,543979E+22	1,306326E+22	9,369360E+21	5,582483E+21	2,717470E+21	1,307279E+21	1,307373E+21	2,717730E+21	5,582785E+21
-2646	9,369568E+21	1,306312E+22	1,543921E+22	1,543947E+22	1,306347E+22	9,369788E+21	5,582941E+21	2,717827E+21	1,307474E+21	1,307419E+21	2,717614E+21	5,582534E+21
-2645	9,369453E+21	1,306352E+22	1,543973E+22	1,543957E+22	1,306326E+22	9,369508E+21	5,582779E+21	2,717855E+21	1,307625E+21	1,307653E+21	2,717996E+21	5,583051E+21
-2644	9,369697E+21	1,306321E+22	1,543919E+22	1,543903E+22	1,306290E+22	9,369378E+21	5,582769E+21	2,717904E+21	1,307738E+21	1,307813E+21	2,718077E+21	5,582836E+21
-2643	9,369075E+21	1,306221E+22	1,543835E+22	1,543882E+22	1,306308E+22	9,369739E+21	5,583242E+21	2,718337E+21	1,308011E+21	1,307943E+21	2,718115E+21	5,582927E+21
-2642	9,369536E+21	1,306293E+22	1,543862E+22	1,543850E+22	1,306256E+22	9,369241E+21	5,582876E+21	2,718202E+21	1,308079E+21	1,308162E+21	2,718510E+21	5,583345E+21
-2641	9,369521E+21	1,306236E+22	1,543771E+22	1,543764E+22	1,306220E+22	9,369344E+21	5,583138E+21	2,718419E+21	1,308226E+21	1,308232E+21	2,718367E+21	5,582895E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,368961E+21	1,306207E+22	1,543790E+22	1,543793E+22	1,306231E+22	9,369439E+21	5,583367E+21	2,718683E+21	1,308406E+21	1,308335E+21	2,718483E+21	5,583205E+21
-2639	9,369587E+21	1,306271E+22	1,543825E+22	1,543799E+22	1,306204E+22	9,368928E+21	5,582863E+21	2,718400E+21	1,308348E+21	1,308442E+21	2,718708E+21	5,583298E+21
-2638	9,369239E+21	1,306192E+22	1,543734E+22	1,543762E+22	1,306230E+22	9,369402E+21	5,583226E+21	2,718563E+21	1,308355E+21	1,308319E+21	2,718426E+21	5,582936E+21
-2637	9,369062E+21	1,306230E+22	1,543812E+22	1,543812E+22	1,306242E+22	9,369342E+21	5,583125E+21	2,718471E+21	1,308277E+21	1,308266E+21	2,718509E+21	5,583356E+21
-2636	9,369676E+21	1,306266E+22	1,543823E+22	1,543807E+22	1,306227E+22	9,369154E+21	5,582882E+21	2,718207E+21	1,308082E+21	1,308149E+21	2,718376E+21	5,583022E+21
-2635	9,369149E+21	1,306208E+22	1,543789E+22	1,543833E+22	1,306280E+22	9,369666E+21	5,583273E+21	2,718385E+21	1,308039E+21	1,307932E+21	2,718038E+21	5,582762E+21
-2634	9,369374E+21	1,306306E+22	1,543895E+22	1,543878E+22	1,306276E+22	9,369339E+21	5,582860E+21	2,718068E+21	1,307863E+21	1,307889E+21	2,718211E+21	5,583155E+21
-2633	9,369567E+21	1,306284E+22	1,543863E+22	1,543856E+22	1,306270E+22	9,369382E+21	5,582842E+21	2,717953E+21	1,307730E+21	1,307749E+21	2,717949E+21	5,582696E+21
-2632	9,369067E+21	1,306250E+22	1,543880E+22	1,543910E+22	1,306318E+22	9,369713E+21	5,583085E+21	2,718079E+21	1,307721E+21	1,307643E+21	2,717864E+21	5,582877E+21
-2631	9,369751E+21	1,306343E+22	1,543943E+22	1,543934E+22	1,306304E+22	9,369266E+21	5,582564E+21	2,717709E+21	1,307559E+21	1,307656E+21	2,718053E+21	5,583102E+21
-2630	9,369698E+21	1,306301E+22	1,543871E+22	1,543882E+22	1,306306E+22	9,369593E+21	5,582845E+21	2,717814E+21	1,307538E+21	1,307531E+21	2,717753E+21	5,582648E+21
-2629	9,369327E+21	1,306316E+22	1,543938E+22	1,543926E+22	1,306313E+22	9,369598E+21	5,582939E+21	2,717954E+21	1,307640E+21	1,307597E+21	2,717859E+21	5,582964E+21
-2628	9,369849E+21	1,306350E+22	1,543949E+22	1,543919E+22	1,306283E+22	9,369210E+21	5,582637E+21	2,717810E+21	1,307658E+21	1,307745E+21	2,718042E+21	5,582871E+21
-2627	9,369289E+21	1,306253E+22	1,543851E+22	1,543891E+22	1,306311E+22	9,369665E+21	5,583101E+21	2,718186E+21	1,307879E+21	1,307817E+21	2,717960E+21	5,582664E+21
-2626	9,369162E+21	1,306284E+22	1,543888E+22	1,543886E+22	1,306290E+22	9,369450E+21	5,582962E+21	2,718201E+21	1,308016E+21	1,308049E+21	2,718368E+21	5,583272E+21
-2625	9,369542E+21	1,306253E+22	1,543810E+22	1,543800E+22	1,306230E+22	9,369226E+21	5,582939E+21	2,718258E+21	1,308140E+21	1,308217E+21	2,718437E+21	5,583031E+21
-2624	9,369008E+21	1,306179E+22	1,543749E+22	1,543777E+22	1,306238E+22	9,369547E+21	5,583417E+21	2,718692E+21	1,308408E+21	1,308332E+21	2,718443E+21	5,583069E+21
-2623	9,369379E+21	1,306248E+22	1,543794E+22	1,543773E+22	1,306197E+22	9,369011E+21	5,583017E+21	2,718561E+21	1,308485E+21	1,308558E+21	2,718827E+21	5,583466E+21
-2622	9,369423E+21	1,306202E+22	1,543709E+22	1,543696E+22	1,306167E+22	9,369074E+21	5,583193E+21	2,718712E+21	1,308595E+21	1,308614E+21	2,718710E+21	5,583044E+21
-2621	9,368808E+21	1,306165E+22	1,543731E+22	1,543736E+22	1,306191E+22	9,369233E+21	5,583391E+21	2,718927E+21	1,308733E+21	1,308672E+21	2,718778E+21	5,583319E+21
-2620	9,369374E+21	1,306216E+22	1,543754E+22	1,543738E+22	1,306172E+22	9,368872E+21	5,582997E+21	2,718656E+21	1,308646E+21	1,308750E+21	2,718989E+21	5,583446E+21
-2619	9,369117E+21	1,306146E+22	1,543672E+22	1,543709E+22	1,306200E+22	9,369348E+21	5,583378E+21	2,718824E+21	1,308634E+21	1,308586E+21	2,718647E+21	5,583029E+21
-2618	9,368925E+21	1,306190E+22	1,543752E+22	1,543754E+22	1,306211E+22	9,369313E+21	5,583297E+21	2,718736E+21	1,308545E+21	1,308519E+21	2,718716E+21	5,583430E+21
-2617	9,369526E+21	1,306224E+22	1,543754E+22	1,543732E+22	1,306177E+22	9,369007E+21	5,583018E+21	2,718488E+21	1,308383E+21	1,308438E+21	2,718603E+21	5,583072E+21
-2616	9,368975E+21	1,306172E+22	1,543736E+22	1,543765E+22	1,306229E+22	9,369483E+21	5,583379E+21	2,718655E+21	1,308349E+21	1,308242E+21	2,718306E+21	5,582854E+21
-2615	9,369152E+21	1,306255E+22	1,543835E+22	1,543826E+22	1,306241E+22	9,369182E+21	5,582934E+21	2,718321E+21	1,308175E+21	1,308211E+21	2,718502E+21	5,583324E+21
-2614	9,369535E+21	1,306248E+22	1,543797E+22	1,543788E+22	1,306227E+22	9,369193E+21	5,582870E+21	2,718150E+21	1,308001E+21	1,308048E+21	2,718246E+21	5,582900E+21
-2613	9,369066E+21	1,306222E+22	1,543824E+22	1,543846E+22	1,306274E+22	9,369522E+21	5,583116E+21	2,718278E+21	1,307981E+21	1,307906E+21	2,718083E+21	5,582976E+21
-2612	9,369671E+21	1,306310E+22	1,543886E+22	1,543871E+22	1,306263E+22	9,369164E+21	5,582706E+21	2,717980E+21	1,307853E+21	1,307939E+21	2,718274E+21	5,583160E+21
-2611	9,369549E+21	1,306268E+22	1,543828E+22	1,543836E+22	1,306269E+22	9,369466E+21	5,582996E+21	2,718129E+21	1,307877E+21	1,307848E+21	2,717989E+21	5,582669E+21
-2610	9,369039E+21	1,306265E+22	1,543883E+22	1,543881E+22	1,306286E+22	9,369533E+21	5,583109E+21	2,718285E+21	1,308005E+21	1,307959E+21	2,718172E+21	5,583059E+21
-2609	9,369560E+21	1,306281E+22	1,543859E+22	1,543841E+22	1,306240E+22	9,369106E+21	5,582795E+21	2,718154E+21	1,308058E+21	1,308154E+21	2,718413E+21	5,583038E+21
-2608	9,369083E+21	1,306193E+22	1,543762E+22	1,543796E+22	1,306256E+22	9,369566E+21	5,583287E+21	2,718531E+21	1,308278E+21	1,308228E+21	2,718343E+21	5,582881E+21
-2607	9,369016E+21	1,306222E+22	1,543797E+22	1,543799E+22	1,306236E+22	9,369307E+21	5,583139E+21	2,718560E+21	1,308420E+21	1,308455E+21	2,718722E+21	5,583486E+21
-2606	9,369567E+21	1,306217E+22	1,543723E+22	1,543698E+22	1,306161E+22	9,368964E+21	5,583042E+21	2,718580E+21	1,308523E+21	1,308607E+21	2,718783E+21	5,583203E+21
-2605	9,368937E+21	1,306146E+22	1,543687E+22	1,543698E+22	1,306173E+22	9,369235E+21	5,583472E+21	2,719000E+21	1,308785E+21	1,308702E+21	2,718741E+21	5,583154E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,369165E+21	1,306200E+22	1,543731E+22	1,543709E+22	1,306149E+22	9,368803E+21	5,583128E+21	2,718887E+21	1,308866E+21	1,308941E+21	2,719160E+21	5,583589E+21
-2603	9,369201E+21	1,306148E+22	1,543648E+22	1,543645E+22	1,306133E+22	9,368940E+21	5,583303E+21	2,719013E+21	1,308952E+21	1,308970E+21	2,719023E+21	5,583180E+21
-2602	9,368605E+21	1,306110E+22	1,543662E+22	1,543680E+22	1,306165E+22	9,369220E+21	5,583550E+21	2,719199E+21	1,309043E+21	1,308989E+21	2,719069E+21	5,583470E+21
-2601	9,369246E+21	1,306162E+22	1,543667E+22	1,543654E+22	1,306126E+22	9,368798E+21	5,583169E+21	2,718944E+21	1,308956E+21	1,309050E+21	2,719236E+21	5,583540E+21
-2600	9,369016E+21	1,306113E+22	1,543607E+22	1,543626E+22	1,306147E+22	9,369253E+21	5,583551E+21	2,719114E+21	1,308940E+21	1,308876E+21	2,718872E+21	5,583082E+21
-2599	9,368731E+21	1,306147E+22	1,543698E+22	1,543696E+22	1,306167E+22	9,369162E+21	5,583428E+21	2,719028E+21	1,308863E+21	1,308823E+21	2,718946E+21	5,583486E+21
-2598	9,369409E+21	1,306188E+22	1,543697E+22	1,543673E+22	1,306132E+22	9,368775E+21	5,583047E+21	2,718711E+21	1,308671E+21	1,308743E+21	2,718891E+21	5,583204E+21
-2597	9,368855E+21	1,306136E+22	1,543685E+22	1,543713E+22	1,306190E+22	9,369261E+21	5,583367E+21	2,718835E+21	1,308605E+21	1,308514E+21	2,718561E+21	5,582986E+21
-2596	9,369030E+21	1,306211E+22	1,543776E+22	1,543771E+22	1,306207E+22	9,369088E+21	5,583028E+21	2,718533E+21	1,308429E+21	1,308479E+21	2,718759E+21	5,583483E+21
-2595	9,369490E+21	1,306214E+22	1,543749E+22	1,543742E+22	1,306195E+22	9,369101E+21	5,582985E+21	2,718385E+21	1,308263E+21	1,308301E+21	2,718461E+21	5,582999E+21
-2594	9,368985E+21	1,306191E+22	1,543775E+22	1,543795E+22	1,306244E+22	9,369483E+21	5,583276E+21	2,718543E+21	1,308263E+21	1,308182E+21	2,718306E+21	5,583023E+21
-2593	9,369483E+21	1,306266E+22	1,543822E+22	1,543801E+22	1,306216E+22	9,369044E+21	5,582876E+21	2,718307E+21	1,308207E+21	1,308280E+21	2,718545E+21	5,583209E+21
-2592	9,369316E+21	1,306221E+22	1,543764E+22	1,543765E+22	1,306223E+22	9,369343E+21	5,583152E+21	2,718469E+21	1,308269E+21	1,308242E+21	2,718337E+21	5,582799E+21
-2591	9,368764E+21	1,306193E+22	1,543798E+22	1,543811E+22	1,306246E+22	9,369422E+21	5,583260E+21	2,718629E+21	1,308410E+21	1,308374E+21	2,718542E+21	5,583257E+21
-2590	9,369474E+21	1,306225E+22	1,543764E+22	1,543747E+22	1,306181E+22	9,368908E+21	5,582897E+21	2,718453E+21	1,308431E+21	1,308553E+21	2,718802E+21	5,583291E+21
-2589	9,369067E+21	1,306151E+22	1,543681E+22	1,543702E+22	1,306187E+22	9,369276E+21	5,583358E+21	2,718825E+21	1,308635E+21	1,308585E+21	2,718648E+21	5,583025E+21
-2588	9,368921E+21	1,306178E+22	1,543721E+22	1,543711E+22	1,306173E+22	9,369098E+21	5,583290E+21	2,718900E+21	1,308796E+21	1,308822E+21	2,719024E+21	5,583587E+21
-2587	9,369411E+21	1,306177E+22	1,543672E+22	1,543640E+22	1,306109E+22	9,368741E+21	5,583166E+21	2,718921E+21	1,308909E+21	1,308979E+21	2,719081E+21	5,583277E+21
-2586	9,368704E+21	1,306097E+22	1,543629E+22	1,543647E+22	1,306140E+22	9,369125E+21	5,583605E+21	2,719315E+21	1,309155E+21	1,309080E+21	2,719073E+21	5,583259E+21
-2585	9,368909E+21	1,306137E+22	1,543647E+22	1,543635E+22	1,306109E+22	9,368726E+21	5,583292E+21	2,719215E+21	1,309245E+21	1,309322E+21	2,719499E+21	5,583737E+21
-2584	9,369023E+21	1,306095E+22	1,543571E+22	1,543567E+22	1,306090E+22	9,368896E+21	5,583489E+21	2,719330E+21	1,309309E+21	1,309328E+21	2,719340E+21	5,583339E+21
-2583	9,368452E+21	1,306052E+22	1,543582E+22	1,543610E+22	1,306125E+22	9,369153E+21	5,583740E+21	2,719523E+21	1,309387E+21	1,309321E+21	2,719333E+21	5,583581E+21
-2582	9,369210E+21	1,306128E+22	1,543595E+22	1,543571E+22	1,306069E+22	9,368607E+21	5,583282E+21	2,719223E+21	1,309272E+21	1,309364E+21	2,719505E+21	5,583638E+21
-2581	9,368893E+21	1,306081E+22	1,543557E+22	1,543561E+22	1,306089E+22	9,368960E+21	5,583596E+21	2,719366E+21	1,309238E+21	1,309167E+21	2,719110E+21	5,583134E+21
-2580	9,368516E+21	1,306099E+22	1,543640E+22	1,543643E+22	1,306128E+22	9,368987E+21	5,583506E+21	2,719277E+21	1,309160E+21	1,309129E+21	2,719230E+21	5,583605E+21
-2579	9,369244E+21	1,306143E+22	1,543646E+22	1,543630E+22	1,306102E+22	9,368643E+21	5,583104E+21	2,718925E+21	1,308940E+21	1,309020E+21	2,719156E+21	5,583360E+21
-2578	9,368774E+21	1,306097E+22	1,543629E+22	1,543666E+22	1,306165E+22	9,369218E+21	5,583463E+21	2,719028E+21	1,308842E+21	1,308769E+21	2,718808E+21	5,583134E+21
-2577	9,368987E+21	1,306173E+22	1,543707E+22	1,543700E+22	1,306165E+22	9,368997E+21	5,583169E+21	2,718786E+21	1,308703E+21	1,308743E+21	2,718977E+21	5,583567E+21
-2576	9,369415E+21	1,306189E+22	1,543699E+22	1,543675E+22	1,306149E+22	9,369011E+21	5,583140E+21	2,718669E+21	1,308569E+21	1,308592E+21	2,718685E+21	5,583044E+21
-2575	9,368785E+21	1,306147E+22	1,543724E+22	1,543746E+22	1,306207E+22	9,369375E+21	5,583436E+21	2,718862E+21	1,308612E+21	1,308519E+21	2,718565E+21	5,583075E+21
-2574	9,369320E+21	1,306221E+22	1,543753E+22	1,543734E+22	1,306170E+22	9,368859E+21	5,582963E+21	2,718589E+21	1,308554E+21	1,308644E+21	2,718878E+21	5,583345E+21
-2573	9,369130E+21	1,306170E+22	1,543693E+22	1,543694E+22	1,306173E+22	9,369128E+21	5,583221E+21	2,718738E+21	1,308606E+21	1,308593E+21	2,718662E+21	5,582963E+21
-2572	9,368610E+21	1,306134E+22	1,543712E+22	1,543732E+22	1,306198E+22	9,369296E+21	5,583411E+21	2,718934E+21	1,308760E+21	1,308734E+21	2,718881E+21	5,583447E+21
-2571	9,369385E+21	1,306178E+22	1,543691E+22	1,543672E+22	1,306129E+22	9,368736E+21	5,583040E+21	2,718773E+21	1,308787E+21	1,308899E+21	2,719103E+21	5,583436E+21
-2570	9,368980E+21	1,306113E+22	1,543615E+22	1,543629E+22	1,306136E+22	9,369125E+21	5,583511E+21	2,719149E+21	1,309001E+21	1,308950E+21	2,718955E+21	5,583114E+21
-2569	9,368726E+21	1,306129E+22	1,543647E+22	1,543630E+22	1,306111E+22	9,368878E+21	5,583451E+21	2,719278E+21	1,309217E+21	1,309230E+21	2,719361E+21	5,583677E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,369166E+21	1,306125E+22	1,543602E+22	1,543567E+22	1,306061E+22	9,368590E+21	5,583313E+21	2,719287E+21	1,309340E+21	1,309409E+21	2,719458E+21	5,583425E+21
-2567	9,368447E+21	1,306029E+22	1,543545E+22	1,543579E+22	1,306104E+22	9,369047E+21	5,583773E+21	2,719668E+21	1,309568E+21	1,309497E+21	2,719435E+21	5,583441E+21
-2566	9,368822E+21	1,306083E+22	1,543555E+22	1,543547E+22	1,306057E+22	9,368586E+21	5,583426E+21	2,719517E+21	1,309605E+21	1,309695E+21	2,719843E+21	5,583930E+21
-2565	9,368963E+21	1,306054E+22	1,543498E+22	1,543486E+22	1,306031E+22	9,368670E+21	5,583594E+21	2,719613E+21	1,309630E+21	1,309639E+21	2,719597E+21	5,583437E+21
-2564	9,368323E+21	1,306008E+22	1,543513E+22	1,543538E+22	1,306074E+22	9,368995E+21	5,583886E+21	2,719820E+21	1,309706E+21	1,309630E+21	2,719588E+21	5,583642E+21
-2563	9,369007E+21	1,306088E+22	1,543550E+22	1,543524E+22	1,306027E+22	9,368416E+21	5,583373E+21	2,719490E+21	1,309575E+21	1,309657E+21	2,719754E+21	5,583714E+21
-2562	9,368705E+21	1,306040E+22	1,543506E+22	1,543518E+22	1,306061E+22	9,368845E+21	5,583667E+21	2,719580E+21	1,309508E+21	1,309457E+21	2,719385E+21	5,583245E+21
-2561	9,368339E+21	1,306050E+22	1,543569E+22	1,543578E+22	1,306089E+22	9,368887E+21	5,583615E+21	2,719515E+21	1,309439E+21	1,309416E+21	2,719502E+21	5,583763E+21
-2560	9,369174E+21	1,306108E+22	1,543585E+22	1,543568E+22	1,306067E+22	9,368590E+21	5,583232E+21	2,719164E+21	1,309214E+21	1,309296E+21	2,719407E+21	5,583513E+21
-2559	9,368725E+21	1,306059E+22	1,543567E+22	1,543608E+22	1,306132E+22	9,369158E+21	5,583613E+21	2,719292E+21	1,309127E+21	1,309039E+21	2,719013E+21	5,583217E+21
-2558	9,368973E+21	1,306149E+22	1,543649E+22	1,543631E+22	1,306115E+22	9,368830E+21	5,583278E+21	2,719046E+21	1,308996E+21	1,309031E+21	2,719211E+21	5,583628E+21
-2557	9,369266E+21	1,306159E+22	1,543655E+22	1,543621E+22	1,306097E+22	9,368731E+21	5,583203E+21	2,718936E+21	1,308878E+21	1,308894E+21	2,718931E+21	5,583088E+21
-2556	9,368526E+21	1,306090E+22	1,543655E+22	1,543689E+22	1,306170E+22	9,369232E+21	5,583551E+21	2,719155E+21	1,308953E+21	1,308869E+21	2,718886E+21	5,583191E+21
-2555	9,369065E+21	1,306164E+22	1,543686E+22	1,543677E+22	1,306133E+22	9,368736E+21	5,583074E+21	2,718869E+21	1,308889E+21	1,308984E+21	2,719198E+21	5,583521E+21
-2554	9,369013E+21	1,306119E+22	1,543616E+22	1,543623E+22	1,306130E+22	9,369026E+21	5,583360E+21	2,719015E+21	1,308933E+21	1,308936E+21	2,718979E+21	5,583119E+21
-2553	9,368509E+21	1,306086E+22	1,543622E+22	1,543637E+22	1,306135E+22	9,369127E+21	5,583590E+21	2,719284E+21	1,309137E+21	1,309097E+21	2,719184E+21	5,583566E+21
-2552	9,369263E+21	1,306141E+22	1,543621E+22	1,543588E+22	1,306070E+22	9,368560E+21	5,583205E+21	2,719143E+21	1,309200E+21	1,309295E+21	2,719422E+21	5,583535E+21
-2551	9,368754E+21	1,306059E+22	1,543546E+22	1,543566E+22	1,306091E+22	9,368949E+21	5,583665E+21	2,719526E+21	1,309433E+21	1,309374E+21	2,719299E+21	5,583234E+21
-2550	9,368560E+21	1,306076E+22	1,543566E+22	1,543554E+22	1,306061E+22	9,368674E+21	5,583551E+21	2,719607E+21	1,309626E+21	1,309657E+21	2,719756E+21	5,583865E+21
-2549	9,368986E+21	1,306071E+22	1,543527E+22	1,543495E+22	1,306009E+22	9,368376E+21	5,583415E+21	2,719593E+21	1,309710E+21	1,309792E+21	2,719809E+21	5,583607E+21
-2548	9,368297E+21	1,305969E+22	1,543458E+22	1,543503E+22	1,306060E+22	9,368965E+21	5,583956E+21	2,719989E+21	1,309925E+21	1,309861E+21	2,719768E+21	5,583602E+21
-2547	9,368684E+21	1,306039E+22	1,543487E+22	1,543476E+22	1,306010E+22	9,368466E+21	5,583588E+21	2,719826E+21	1,309937E+21	1,310012E+21	2,720105E+21	5,584032E+21
-2546	9,368843E+21	1,306018E+22	1,543437E+22	1,543420E+22	1,305986E+22	9,368547E+21	5,583743E+21	2,719901E+21	1,309947E+21	1,309956E+21	2,719860E+21	5,583496E+21
-2545	9,368113E+21	1,305961E+22	1,543442E+22	1,543465E+22	1,306020E+22	9,368793E+21	5,584017E+21	2,720134E+21	1,310050E+21	1,309964E+21	2,719875E+21	5,583739E+21
-2544	9,368791E+21	1,306040E+22	1,543481E+22	1,543462E+22	1,305989E+22	9,368279E+21	5,583465E+21	2,719767E+21	1,309906E+21	1,309989E+21	2,720057E+21	5,583872E+21
-2543	9,368546E+21	1,305988E+22	1,543437E+22	1,543462E+22	1,306030E+22	9,368759E+21	5,583771E+21	2,719829E+21	1,309808E+21	1,309761E+21	2,719658E+21	5,583433E+21
-2542	9,368369E+21	1,306019E+22	1,543500E+22	1,543504E+22	1,306040E+22	9,368715E+21	5,583686E+21	2,719729E+21	1,309701E+21	1,309686E+21	2,719749E+21	5,583910E+21
-2541	9,369160E+21	1,306087E+22	1,543537E+22	1,543507E+22	1,306016E+22	9,368360E+21	5,583302E+21	2,719386E+21	1,309461E+21	1,309529E+21	2,719580E+21	5,583551E+21
-2540	9,368602E+21	1,306030E+22	1,543521E+22	1,543559E+22	1,306095E+22	9,369031E+21	5,583734E+21	2,719549E+21	1,309406E+21	1,309310E+21	2,719224E+21	5,583225E+21
-2539	9,368711E+21	1,306112E+22	1,543612E+22	1,543595E+22	1,306084E+22	9,368690E+21	5,583374E+21	2,719302E+21	1,309288E+21	1,309313E+21	2,719439E+21	5,583667E+21
-2538	9,369021E+21	1,306111E+22	1,543599E+22	1,543579E+22	1,306075E+22	9,368666E+21	5,583305E+21	2,719173E+21	1,309173E+21	1,309211E+21	2,719226E+21	5,583199E+21
-2537	9,368301E+21	1,306031E+22	1,543568E+22	1,543612E+22	1,306125E+22	9,369133E+21	5,583707E+21	2,719454E+21	1,309290E+21	1,309212E+21	2,719210E+21	5,583373E+21
-2536	9,368927E+21	1,306112E+22	1,543600E+22	1,543596E+22	1,306087E+22	9,368642E+21	5,583238E+21	2,719190E+21	1,309249E+21	1,309341E+21	2,719519E+21	5,583709E+21
-2535	9,368923E+21	1,306072E+22	1,543535E+22	1,543542E+22	1,306080E+22	9,368886E+21	5,583531E+21	2,719365E+21	1,309319E+21	1,309310E+21	2,719286E+21	5,583269E+21
-2534	9,368466E+21	1,306052E+22	1,543548E+22	1,543545E+22	1,306065E+22	9,368844E+21	5,583699E+21	2,719624E+21	1,309537E+21	1,309497E+21	2,719528E+21	5,583699E+21
-2533	9,369097E+21	1,306101E+22	1,543560E+22	1,543519E+22	1,306007E+22	9,368225E+21	5,583281E+21	2,719480E+21	1,309602E+21	1,309698E+21	2,719770E+21	5,583667E+21

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°
-2532	9,368525E+21	1,305999E+22	1,543466E+22	1,543499E+22	1,306049E+22	9,368793E+21	5,583789E+21	2,719862E+21	1,309840E+21	1,309798E+21	2,719692E+21	5,583413E+21
-2531	9,368332E+21	1,306019E+22	1,543493E+22	1,543488E+22	1,306021E+22	9,368567E+21	5,583693E+21	2,719922E+21	1,309998E+21	1,310034E+21	2,720100E+21	5,584058E+21
-2530	9,368883E+21	1,306022E+22	1,543448E+22	1,543423E+22	1,305969E+22	9,368305E+21	5,583585E+21	2,719893E+21	1,310055E+21	1,310146E+21	2,720120E+21	5,583736E+21
-2529	9,368155E+21	1,305920E+22	1,543368E+22	1,543409E+22	1,306001E+22	9,368831E+21	5,584164E+21	2,720349E+21	1,310294E+21	1,310208E+21	2,720050E+21	5,583692E+21
-2528	9,368489E+21	1,305996E+22	1,543417E+22	1,543400E+22	1,305960E+22	9,368322E+21	5,583757E+21	2,720179E+21	1,310317E+21	1,310368E+21	2,720383E+21	5,584105E+21
-2527	9,368604E+21	1,305965E+22	1,543368E+22	1,543358E+22	1,305944E+22	9,368387E+21	5,583872E+21	2,720225E+21	1,310313E+21	1,310311E+21	2,720149E+21	5,583610E+21
-2526	9,367972E+21	1,305915E+22	1,543368E+22	1,543391E+22	1,305971E+22	9,368578E+21	5,584072E+21	2,720387E+21	1,310372E+21	1,310300E+21	2,720194E+21	5,583918E+21
-2525	9,368686E+21	1,306001E+22	1,543423E+22	1,543400E+22	1,305941E+22	9,368048E+21	5,583516E+21	2,719988E+21	1,310176E+21	1,310269E+21	2,720315E+21	5,584035E+21
-2524	9,368483E+21	1,305949E+22	1,543374E+22	1,543405E+22	1,305996E+22	9,368658E+21	5,583877E+21	2,720055E+21	1,310067E+21	1,310027E+21	2,719895E+21	5,583545E+21
-2523	9,368282E+21	1,305995E+22	1,543460E+22	1,543456E+22	1,306007E+22	9,368611E+21	5,583790E+21	2,719954E+21	1,309949E+21	1,309918E+21	2,719924E+21	5,583954E+21
-2522	9,369040E+21	1,306062E+22	1,543500E+22	1,543465E+22	1,305985E+22	9,368263E+21	5,583412E+21	2,719616E+21	1,309724E+21	1,309793E+21	2,719780E+21	5,583547E+21
-2521	9,368336E+21	1,305984E+22	1,543459E+22	1,543501E+22	1,306055E+22	9,368896E+21	5,583870E+21	2,719843E+21	1,309727E+21	1,309625E+21	2,719495E+21	5,583300E+21
-2520	9,368426E+21	1,306054E+22	1,543538E+22	1,543537E+22	1,306056E+22	9,368620E+21	5,583494E+21	2,719593E+21	1,309632E+21	1,309658E+21	2,719748E+21	5,583816E+21
-2519	9,368821E+21	1,306050E+22	1,543514E+22	1,543508E+22	1,306039E+22	9,368601E+21	5,583454E+21	2,719468E+21	1,309516E+21	1,309558E+21	2,719543E+21	5,583420E+21
-2518	9,368303E+21	1,305989E+22	1,543481E+22	1,543517E+22	1,306063E+22	9,368914E+21	5,583809E+21	2,719737E+21	1,309627E+21	1,309558E+21	2,719531E+21	5,583575E+21
-2517	9,368906E+21	1,306082E+22	1,543536E+22	1,543513E+22	1,306019E+22	9,368336E+21	5,583331E+21	2,719490E+21	1,309588E+21	1,309674E+21	2,719794E+21	5,583830E+21
-2516	9,368807E+21	1,306036E+22	1,543475E+22	1,543475E+22	1,306027E+22	9,368667E+21	5,583645E+21	2,719685E+21	1,309693E+21	1,309687E+21	2,719605E+21	5,583363E+21
-2515	9,368238E+21	1,306012E+22	1,543499E+22	1,543492E+22	1,306023E+22	9,368646E+21	5,583787E+21	2,719929E+21	1,309908E+21	1,309871E+21	2,719847E+21	5,583815E+21
-2514	9,368884E+21	1,306050E+22	1,543495E+22	1,543464E+22	1,305978E+22	9,368146E+21	5,583406E+21	2,719773E+21	1,309968E+21	1,310088E+21	2,720120E+21	5,583806E+21
-2513	9,368301E+21	1,305938E+22	1,543375E+22	1,543417E+22	1,306004E+22	9,368723E+21	5,584000E+21	2,720222E+21	1,310234E+21	1,310191E+21	2,720049E+21	5,583599E+21
-2512	9,368153E+21	1,305959E+22	1,543398E+22	1,543405E+22	1,305980E+22	9,368515E+21	5,583912E+21	2,720299E+21	1,310400E+21	1,310417E+21	2,720412E+21	5,584190E+21
-2511	9,368719E+21	1,305969E+22	1,543361E+22	1,543338E+22	1,305920E+22	9,368214E+21	5,583809E+21	2,720281E+21	1,310459E+21	1,310525E+21	2,720420E+21	5,583860E+21
-2510	9,368044E+21	1,305878E+22	1,543289E+22	1,543314E+22	1,305929E+22	9,368544E+21	5,584283E+21	2,720694E+21	1,310687E+21	1,310595E+21	2,720379E+21	5,583810E+21
-2509	9,368271E+21	1,305947E+22	1,543351E+22	1,543328E+22	1,305896E+22	9,367984E+21	5,583816E+21	2,720482E+21	1,310675E+21	1,310728E+21	2,720698E+21	5,584241E+21
-2508	9,368406E+21	1,305910E+22	1,543296E+22	1,543296E+22	1,305905E+22	9,368210E+21	5,583934E+21	2,720482E+21	1,310644E+21	1,310662E+21	2,720485E+21	5,583791E+21
-2507	9,367845E+21	1,305875E+22	1,543312E+22	1,543333E+22	1,305933E+22	9,368434E+21	5,584127E+21	2,720597E+21	1,310641E+21	1,310578E+21	2,720450E+21	5,584086E+21
-2506	9,368672E+21	1,305973E+22	1,543369E+22	1,543348E+22	1,305911E+22	9,367977E+21	5,583612E+21	2,720187E+21	1,310420E+21	1,310520E+21	2,720520E+21	5,584101E+21
-2505	9,368383E+21	1,305919E+22	1,543317E+22	1,543341E+22	1,305954E+22	9,368557E+21	5,584027E+21	2,720323E+21	1,310343E+21	1,310283E+21	2,720090E+21	5,583580E+21
-2504	9,368079E+21	1,305957E+22	1,543409E+22	1,543409E+22	1,305978E+22	9,368536E+21	5,583929E+21	2,720236E+21	1,310254E+21	1,310202E+21	2,720129E+21	5,583964E+21
-2503	9,368768E+21	1,306011E+22	1,543441E+22	1,543420E+22	1,305961E+22	9,368207E+21	5,583548E+21	2,719896E+21	1,310041E+21	1,310103E+21	2,720042E+21	5,583654E+21
-2502	9,368173E+21	1,305935E+22	1,543383E+22	1,543424E+22	1,306009E+22	9,368736E+21	5,583951E+21	2,720091E+21	1,310037E+21	1,309954E+21	2,719818E+21	5,583495E+21
-2501	9,368307E+21	1,306007E+22	1,543467E+22	1,543463E+22	1,306003E+22	9,368414E+21	5,583585E+21	2,719843E+21	1,309925E+21	1,309964E+21	2,720036E+21	5,584010E+21
-2500	9,368781E+21	1,306008E+22	1,543438E+22	1,543433E+22	1,305993E+22	9,368456E+21	5,583572E+21	2,719740E+21	1,309830E+21	1,309883E+21	2,719839E+21	5,583578E+21
-2499	9,368248E+21	1,305965E+22	1,543431E+22	1,543448E+22	1,306011E+22	9,368708E+21	5,583902E+21	2,720012E+21	1,309947E+21	1,309871E+21	2,719788E+21	5,583682E+21
-2498	9,368809E+21	1,306054E+22	1,543490E+22	1,543457E+22	1,305974E+22	9,368148E+21	5,583435E+21	2,719781E+21	1,309938E+21	1,310030E+21	2,720081E+21	5,583884E+21
-2497	9,368546E+21	1,305982E+22	1,543404E+22	1,543408E+22	1,305981E+22	9,368494E+21	5,583790E+21	2,720041E+21	1,310097E+21	1,310088E+21	2,719956E+21	5,583492E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,367963E+21	1,305947E+22	1,543415E+22	1,543427E+22	1,305993E+22	9,368590E+21	5,583957E+21	2,720290E+21	1,310328E+21	1,310288E+21	2,720204E+21	5,583972E+21
-2495	9,368667E+21	1,305984E+22	1,543401E+22	1,543383E+22	1,305938E+22	9,368115E+21	5,583629E+21	2,720150E+21	1,310385E+21	1,310494E+21	2,720468E+21	5,583997E+21
-2494	9,368210E+21	1,305885E+22	1,543277E+22	1,543309E+22	1,305936E+22	9,368536E+21	5,584177E+21	2,720591E+21	1,310643E+21	1,310594E+21	2,720397E+21	5,583764E+21
-2493	9,368016E+21	1,305912E+22	1,543322E+22	1,543314E+22	1,305907E+22	9,368233E+21	5,584057E+21	2,720658E+21	1,310791E+21	1,310795E+21	2,720714E+21	5,584286E+21
-2492	9,368516E+21	1,305917E+22	1,543287E+22	1,543262E+22	1,305864E+22	9,367983E+21	5,583928E+21	2,720620E+21	1,310853E+21	1,310922E+21	2,720762E+21	5,583967E+21
-2491	9,367814E+21	1,305833E+22	1,543232E+22	1,543252E+22	1,305882E+22	9,368308E+21	5,584328E+21	2,720961E+21	1,311029E+21	1,310948E+21	2,720701E+21	5,583970E+21
-2490	9,368135E+21	1,305903E+22	1,543291E+22	1,543271E+22	1,305861E+22	9,367857E+21	5,583880E+21	2,720704E+21	1,310977E+21	1,311056E+21	2,721001E+21	5,584389E+21
-2489	9,368274E+21	1,305862E+22	1,543224E+22	1,543226E+22	1,305864E+22	9,368115E+21	5,584071E+21	2,720745E+21	1,310940E+21	1,310963E+21	2,720764E+21	5,583958E+21
-2488	9,367775E+21	1,305836E+22	1,543246E+22	1,543275E+22	1,305906E+22	9,368398E+21	5,584277E+21	2,720867E+21	1,310935E+21	1,310855E+21	2,720659E+21	5,584155E+21
-2487	9,368567E+21	1,305939E+22	1,543313E+22	1,543290E+22	1,305880E+22	9,367954E+21	5,583797E+21	2,720480E+21	1,310720E+21	1,310793E+21	2,720720E+21	5,584152E+21
-2486	9,368253E+21	1,305886E+22	1,543262E+22	1,543273E+22	1,305903E+22	9,368362E+21	5,584132E+21	2,720596E+21	1,310653E+21	1,310588E+21	2,720349E+21	5,583659E+21
-2485	9,367853E+21	1,305908E+22	1,543353E+22	1,543353E+22	1,305932E+22	9,368310E+21	5,584000E+21	2,720488E+21	1,310550E+21	1,310506E+21	2,720398E+21	5,584068E+21
-2484	9,368564E+21	1,305955E+22	1,543370E+22	1,543360E+22	1,305927E+22	9,368099E+21	5,583635E+21	2,720133E+21	1,310338E+21	1,310424E+21	2,720357E+21	5,583832E+21
-2483	9,368084E+21	1,305899E+22	1,543324E+22	1,543357E+22	1,305963E+22	9,368575E+21	5,584015E+21	2,720300E+21	1,310302E+21	1,310233E+21	2,720083E+21	5,583679E+21
-2482	9,368324E+21	1,305979E+22	1,543410E+22	1,543397E+22	1,305959E+22	9,368277E+21	5,583680E+21	2,720070E+21	1,310201E+21	1,310248E+21	2,720267E+21	5,584092E+21
-2481	9,368693E+21	1,305977E+22	1,543380E+22	1,543361E+22	1,305940E+22	9,368283E+21	5,583715E+21	2,720050E+21	1,310165E+21	1,310203E+21	2,720099E+21	5,583654E+21
-2480	9,368060E+21	1,305922E+22	1,543373E+22	1,543395E+22	1,305976E+22	9,368568E+21	5,584031E+21	2,720342E+21	1,310324E+21	1,310232E+21	2,720060E+21	5,583722E+21
-2479	9,368534E+21	1,305996E+22	1,543421E+22	1,543401E+22	1,305945E+22	9,368092E+21	5,583608E+21	2,720132E+21	1,310337E+21	1,310419E+21	2,720415E+21	5,584025E+21
-2478	9,368350E+21	1,305924E+22	1,543319E+22	1,543322E+22	1,305928E+22	9,368335E+21	5,583929E+21	2,720377E+21	1,310500E+21	1,310507E+21	2,720348E+21	5,583704E+21
-2477	9,367785E+21	1,305882E+22	1,543326E+22	1,543340E+22	1,305934E+22	9,368412E+21	5,584127E+21	2,720636E+21	1,310716E+21	1,310683E+21	2,720553E+21	5,584145E+21
-2476	9,368534E+21	1,305926E+22	1,543309E+22	1,543294E+22	1,305885E+22	9,367987E+21	5,583812E+21	2,720509E+21	1,310787E+21	1,310900E+21	2,720825E+21	5,584150E+21
-2475	9,368085E+21	1,305848E+22	1,543210E+22	1,543220E+22	1,305870E+22	9,368297E+21	5,584302E+21	2,720923E+21	1,311025E+21	1,310972E+21	2,720716E+21	5,583893E+21
-2474	9,367875E+21	1,305868E+22	1,543258E+22	1,543242E+22	1,305852E+22	9,367998E+21	5,584150E+21	2,720967E+21	1,311171E+21	1,311184E+21	2,721038E+21	5,584372E+21
-2473	9,368271E+21	1,305858E+22	1,543208E+22	1,543187E+22	1,305812E+22	9,367772E+21	5,584036E+21	2,720948E+21	1,311239E+21	1,311313E+21	2,721125E+21	5,584148E+21
-2472	9,367631E+21	1,305773E+22	1,543151E+22	1,543188E+22	1,305850E+22	9,368203E+21	5,584436E+21	2,721252E+21	1,311385E+21	1,311306E+21	2,721017E+21	5,584140E+21
-2471	9,368034E+21	1,305853E+22	1,543215E+22	1,543204E+22	1,305827E+22	9,367830E+21	5,584059E+21	2,721001E+21	1,311302E+21	1,311370E+21	2,721275E+21	5,584558E+21
-2470	9,368257E+21	1,305829E+22	1,543155E+22	1,543144E+22	1,305808E+22	9,367950E+21	5,584202E+21	2,721024E+21	1,311249E+21	1,311262E+21	2,721014E+21	5,584061E+21
-2469	9,367672E+21	1,305804E+22	1,543198E+22	1,543213E+22	1,305853E+22	9,368206E+21	5,584406E+21	2,721140E+21	1,311226E+21	1,311133E+21	2,720862E+21	5,584165E+21
-2468	9,368358E+21	1,305897E+22	1,543261E+22	1,543241E+22	1,305846E+22	9,367832E+21	5,583908E+21	2,720743E+21	1,311022E+21	1,311097E+21	2,720972E+21	5,584184E+21
-2467	9,368020E+21	1,305848E+22	1,543216E+22	1,543224E+22	1,305868E+22	9,368213E+21	5,584184E+21	2,720806E+21	1,310920E+21	1,310868E+21	2,720611E+21	5,583790E+21
-2466	9,367727E+21	1,305864E+22	1,543295E+22	1,543301E+22	1,305902E+22	9,368220E+21	5,584069E+21	2,720682E+21	1,310808E+21	1,310786E+21	2,720658E+21	5,584189E+21
-2465	9,368430E+21	1,305905E+22	1,543296E+22	1,543290E+22	1,305885E+22	9,367996E+21	5,583774E+21	2,720393E+21	1,310620E+21	1,310707E+21	2,720627E+21	5,583998E+21
-2464	9,368035E+21	1,305859E+22	1,543258E+22	1,543296E+22	1,305929E+22	9,368478E+21	5,584148E+21	2,720580E+21	1,310612E+21	1,310527E+21	2,720313E+21	5,583761E+21
-2463	9,368234E+21	1,305946E+22	1,543354E+22	1,543333E+22	1,305915E+22	9,368175E+21	5,583856E+21	2,720396E+21	1,310547E+21	1,310570E+21	2,720521E+21	5,584168E+21
-2462	9,368531E+21	1,305936E+22	1,543319E+22	1,543287E+22	1,305880E+22	9,368028E+21	5,583815E+21	2,720372E+21	1,310546E+21	1,310584E+21	2,720431E+21	5,583772E+21
-2461	9,367827E+21	1,305865E+22	1,543305E+22	1,543330E+22	1,305925E+22	9,368353E+21	5,584132E+21	2,720653E+21	1,310703E+21	1,310625E+21	2,720410E+21	5,583862E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,368316E+21	1,305932E+22	1,543333E+22	1,543326E+22	1,305905E+22	9,368005E+21	5,583753E+21	2,720451E+21	1,310725E+21	1,310829E+21	2,720796E+21	5,584215E+21
-2459	9,368229E+21	1,305877E+22	1,543242E+22	1,543237E+22	1,305873E+22	9,368179E+21	5,584062E+21	2,720681E+21	1,310861E+21	1,310878E+21	2,720689E+21	5,583911E+21
-2458	9,367752E+21	1,305839E+22	1,543249E+22	1,543256E+22	1,305878E+22	9,368250E+21	5,584269E+21	2,720952E+21	1,311085E+21	1,311053E+21	2,720854E+21	5,584227E+21
-2457	9,368341E+21	1,305876E+22	1,543231E+22	1,543207E+22	1,305822E+22	9,367784E+21	5,583991E+21	2,720884E+21	1,311191E+21	1,311290E+21	2,721155E+21	5,584261E+21
-2456	9,367864E+21	1,305792E+22	1,543137E+22	1,543155E+22	1,305825E+22	9,368106E+21	5,584428E+21	2,721276E+21	1,311435E+21	1,311372E+21	2,721041E+21	5,583987E+21
-2455	9,367645E+21	1,305810E+22	1,543180E+22	1,543173E+22	1,305812E+22	9,367899E+21	5,584309E+21	2,721310E+21	1,311563E+21	1,311571E+21	2,721388E+21	5,584551E+21
-2454	9,368130E+21	1,305805E+22	1,543126E+22	1,543102E+22	1,305757E+22	9,367591E+21	5,584153E+21	2,721251E+21	1,311605E+21	1,311690E+21	2,721483E+21	5,584367E+21
-2453	9,367554E+21	1,305725E+22	1,543078E+22	1,543114E+22	1,305797E+22	9,368040E+21	5,584573E+21	2,721535E+21	1,311707E+21	1,311631E+21	2,721298E+21	5,584277E+21
-2452	9,367962E+21	1,305815E+22	1,543147E+22	1,543136E+22	1,305787E+22	9,367752E+21	5,584222E+21	2,721295E+21	1,311623E+21	1,311686E+21	2,721535E+21	5,584633E+21
-2451	9,368144E+21	1,305807E+22	1,543115E+22	1,543085E+22	1,305759E+22	9,367772E+21	5,584304E+21	2,721280E+21	1,311539E+21	1,311546E+21	2,721245E+21	5,584124E+21
-2450	9,367508E+21	1,305766E+22	1,543151E+22	1,543168E+22	1,305816E+22	9,368041E+21	5,584476E+21	2,721375E+21	1,311515E+21	1,311428E+21	2,721100E+21	5,584179E+21
-2449	9,368063E+21	1,305840E+22	1,543194E+22	1,543186E+22	1,305811E+22	9,367714E+21	5,584013E+21	2,721003E+21	1,311322E+21	1,311402E+21	2,721263E+21	5,584330E+21
-2448	9,367848E+21	1,305791E+22	1,543141E+22	1,543167E+22	1,305839E+22	9,368132E+21	5,584283E+21	2,721047E+21	1,311208E+21	1,311158E+21	2,720868E+21	5,583929E+21
-2447	9,367652E+21	1,305820E+22	1,543221E+22	1,543233E+22	1,305864E+22	9,368176E+21	5,584236E+21	2,720952E+21	1,311094E+21	1,311062E+21	2,720905E+21	5,584343E+21
-2446	9,368418E+21	1,305876E+22	1,543231E+22	1,543208E+22	1,305824E+22	9,367772E+21	5,583878E+21	2,720666E+21	1,310929E+21	1,311008E+21	2,720888E+21	5,584121E+21
-2445	9,367950E+21	1,305827E+22	1,543207E+22	1,543232E+22	1,305870E+22	9,368230E+21	5,584242E+21	2,720851E+21	1,310927E+21	1,310842E+21	2,720566E+21	5,583817E+21
-2444	9,368043E+21	1,305903E+22	1,543297E+22	1,543281E+22	1,305878E+22	9,368023E+21	5,583956E+21	2,720683E+21	1,310894E+21	1,310929E+21	2,720835E+21	5,584255E+21
-2443	9,368330E+21	1,305897E+22	1,543265E+22	1,543230E+22	1,305839E+22	9,367859E+21	5,583882E+21	2,720624E+21	1,310874E+21	1,310934E+21	2,720764E+21	5,583950E+21
-2442	9,367702E+21	1,305815E+22	1,543234E+22	1,543265E+22	1,305886E+22	9,368255E+21	5,584247E+21	2,720923E+21	1,311041E+21	1,310983E+21	2,720730E+21	5,583988E+21
-2441	9,368130E+21	1,305873E+22	1,543245E+22	1,543244E+22	1,305856E+22	9,367913E+21	5,583958E+21	2,720802E+21	1,311100E+21	1,311198E+21	2,721126E+21	5,584383E+21
-2440	9,368112E+21	1,305823E+22	1,543156E+22	1,543159E+22	1,305826E+22	9,368063E+21	5,584261E+21	2,721057E+21	1,311265E+21	1,311260E+21	2,720989E+21	5,584004E+21
-2439	9,367589E+21	1,305791E+22	1,543171E+22	1,543174E+22	1,305822E+22	9,368116E+21	5,584494E+21	2,721360E+21	1,311511E+21	1,311455E+21	2,721190E+21	5,584341E+21
-2438	9,368113E+21	1,305820E+22	1,543150E+22	1,543118E+22	1,305752E+22	9,367481E+21	5,584111E+21	2,721264E+21	1,311632E+21	1,311730E+21	2,721552E+21	5,584439E+21
-2437	9,367648E+21	1,305730E+22	1,543055E+22	1,543076E+22	1,305766E+22	9,367859E+21	5,584528E+21	2,721601E+21	1,311839E+21	1,311792E+21	2,721424E+21	5,584179E+21
-2436	9,367492E+21	1,305753E+22	1,543094E+22	1,543096E+22	1,305767E+22	9,367771E+21	5,584442E+21	2,721623E+21	1,311943E+21	1,311967E+21	2,721753E+21	5,584740E+21
-2435	9,368070E+21	1,305772E+22	1,543061E+22	1,543027E+22	1,305705E+22	9,367420E+21	5,584261E+21	2,721524E+21	1,311929E+21	1,312018E+21	2,721774E+21	5,584535E+21
-2434	9,367539E+21	1,305697E+22	1,543022E+22	1,543052E+22	1,305753E+22	9,367898E+21	5,584683E+21	2,721803E+21	1,312018E+21	1,311935E+21	2,721523E+21	5,584289E+21
-2433	9,367731E+21	1,305772E+22	1,543089E+22	1,543076E+22	1,305745E+22	9,367626E+21	5,584385E+21	2,721605E+21	1,311947E+21	1,311990E+21	2,721775E+21	5,584671E+21
-2432	9,367878E+21	1,305752E+22	1,543055E+22	1,543045E+22	1,305735E+22	9,367673E+21	5,584422E+21	2,721559E+21	1,311855E+21	1,311851E+21	2,721488E+21	5,584176E+21
-2431	9,367279E+21	1,305712E+22	1,543080E+22	1,543112E+22	1,305788E+22	9,368008E+21	5,584624E+21	2,721642E+21	1,311811E+21	1,311723E+21	2,721383E+21	5,584327E+21
-2430	9,367891E+21	1,305787E+22	1,543115E+22	1,543108E+22	1,305760E+22	9,367548E+21	5,584111E+21	2,721247E+21	1,311611E+21	1,311701E+21	2,721559E+21	5,584535E+21
-2429	9,367806E+21	1,305751E+22	1,543073E+22	1,543095E+22	1,305787E+22	9,367952E+21	5,584380E+21	2,721274E+21	1,311476E+21	1,311436E+21	2,721119E+21	5,584073E+21
-2428	9,367640E+21	1,305793E+22	1,543160E+22	1,543164E+22	1,305818E+22	9,368027E+21	5,584348E+21	2,721212E+21	1,311390E+21	1,311356E+21	2,721152E+21	5,584423E+21
-2427	9,368350E+21	1,305862E+22	1,543194E+22	1,543151E+22	1,305771E+22	9,367531E+21	5,583936E+21	2,720907E+21	1,311220E+21	1,311301E+21	2,721138E+21	5,584222E+21
-2426	9,367829E+21	1,305794E+22	1,543162E+22	1,543189E+22	1,305834E+22	9,368024E+21	5,584278E+21	2,721091E+21	1,311240E+21	1,311166E+21	2,720835E+21	5,583865E+21
-2425	9,367756E+21	1,305844E+22	1,543226E+22	1,543223E+22	1,305845E+22	9,367929E+21	5,584090E+21	2,720978E+21	1,311237E+21	1,311276E+21	2,721157E+21	5,584412E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,368137E+21	1,305835E+22	1,543183E+22	1,543170E+22	1,305809E+22	9,367807E+21	5,584048E+21	2,720937E+21	1,311231E+21	1,311287E+21	2,721066E+21	5,584094E+21
-2423	9,367586E+21	1,305764E+22	1,543146E+22	1,543183E+22	1,305841E+22	9,368220E+21	5,584491E+21	2,721290E+21	1,311418E+21	1,311343E+21	2,721044E+21	5,584131E+21
-2422	9,367976E+21	1,305824E+22	1,543160E+22	1,543146E+22	1,305787E+22	9,367688E+21	5,584138E+21	2,721188E+21	1,311517E+21	1,311598E+21	2,721462E+21	5,584516E+21
-2421	9,367932E+21	1,305773E+22	1,543081E+22	1,543074E+22	1,305757E+22	9,367789E+21	5,584404E+21	2,721425E+21	1,311687E+21	1,311679E+21	2,721337E+21	5,584108E+21
-2420	9,367356E+21	1,305735E+22	1,543090E+22	1,543099E+22	1,305771E+22	9,367902E+21	5,584616E+21	2,721719E+21	1,311942E+21	1,311896E+21	2,721585E+21	5,584496E+21
-2419	9,367930E+21	1,305776E+22	1,543078E+22	1,543043E+22	1,305698E+22	9,367252E+21	5,584182E+21	2,721558E+21	1,312011E+21	1,312132E+21	2,721940E+21	5,584683E+21
-2418	9,367568E+21	1,305682E+22	1,542980E+22	1,543006E+22	1,305720E+22	9,367692E+21	5,584612E+21	2,721875E+21	1,312189E+21	1,312158E+21	2,721750E+21	5,584331E+21
-2417	9,367353E+21	1,305703E+22	1,543016E+22	1,543022E+22	1,305723E+22	9,367679E+21	5,584624E+21	2,721948E+21	1,312294E+21	1,312309E+21	2,722050E+21	5,584889E+21
-2416	9,367965E+21	1,305728E+22	1,542993E+22	1,542966E+22	1,305667E+22	9,367330E+21	5,584438E+21	2,721852E+21	1,312280E+21	1,312342E+21	2,722009E+21	5,584570E+21
-2415	9,367346E+21	1,305655E+22	1,542959E+22	1,542990E+22	1,305713E+22	9,367822E+21	5,584886E+21	2,722144E+21	1,312366E+21	1,312261E+21	2,721793E+21	5,584345E+21
-2414	9,367431E+21	1,305716E+22	1,543016E+22	1,543006E+22	1,305694E+22	9,367408E+21	5,584484E+21	2,721909E+21	1,312297E+21	1,312337E+21	2,722087E+21	5,584807E+21
-2413	9,367659E+21	1,305693E+22	1,542976E+22	1,542974E+22	1,305687E+22	9,367499E+21	5,584505E+21	2,721804E+21	1,312162E+21	1,312175E+21	2,721793E+21	5,584349E+21
-2412	9,367175E+21	1,305664E+22	1,543000E+22	1,543038E+22	1,305746E+22	9,367890E+21	5,584726E+21	2,721880E+21	1,312098E+21	1,312025E+21	2,721672E+21	5,584507E+21
-2411	9,367905E+21	1,305768E+22	1,543059E+22	1,543036E+22	1,305707E+22	9,367335E+21	5,584168E+21	2,721452E+21	1,311860E+21	1,311955E+21	2,721792E+21	5,584699E+21
-2410	9,367841E+21	1,305736E+22	1,543032E+22	1,543040E+22	1,305741E+22	9,367735E+21	5,584415E+21	2,721481E+21	1,311734E+21	1,311690E+21	2,721304E+21	5,584086E+21
-2409	9,367458E+21	1,305762E+22	1,543118E+22	1,543118E+22	1,305780E+22	9,367870E+21	5,584453E+21	2,721479E+21	1,311686E+21	1,311641E+21	2,721380E+21	5,584471E+21
-2408	9,368117E+21	1,305815E+22	1,543143E+22	1,543120E+22	1,305753E+22	9,367443E+21	5,584042E+21	2,721178E+21	1,311537E+21	1,311608E+21	2,721380E+21	5,584275E+21
-2407	9,367601E+21	1,305744E+22	1,543094E+22	1,543136E+22	1,305810E+22	9,368036E+21	5,584469E+21	2,721397E+21	1,311572E+21	1,311497E+21	2,721146E+21	5,584010E+21
-2406	9,367515E+21	1,305783E+22	1,543139E+22	1,543143E+22	1,305796E+22	9,367808E+21	5,584264E+21	2,721310E+21	1,311603E+21	1,311641E+21	2,721487E+21	5,584595E+21
-2405	9,368012E+21	1,305781E+22	1,543096E+22	1,543082E+22	1,305753E+22	9,367670E+21	5,584235E+21	2,721278E+21	1,311610E+21	1,311667E+21	2,721394E+21	5,584245E+21
-2404	9,367475E+21	1,305720E+22	1,543062E+22	1,543091E+22	1,305781E+22	9,368050E+21	5,584675E+21	2,721667E+21	1,311835E+21	1,311755E+21	2,721392E+21	5,584253E+21
-2403	9,367813E+21	1,305788E+22	1,543093E+22	1,543063E+22	1,305718E+22	9,367378E+21	5,584230E+21	2,721528E+21	1,311924E+21	1,312011E+21	2,721831E+21	5,584697E+21
-2402	9,367779E+21	1,305725E+22	1,543012E+22	1,543005E+22	1,305703E+22	9,367492E+21	5,584434E+21	2,721733E+21	1,312092E+21	1,312100E+21	2,721709E+21	5,584255E+21
-2401	9,367118E+21	1,305672E+22	1,543002E+22	1,543020E+22	1,305723E+22	9,367730E+21	5,584730E+21	2,722045E+21	1,312338E+21	1,312302E+21	2,721965E+21	5,584718E+21
-2400	9,367791E+21	1,305715E+22	1,542994E+22	1,542976E+22	1,305660E+22	9,367157E+21	5,584341E+21	2,721885E+21	1,312387E+21	1,312501E+21	2,722250E+21	5,584842E+21
-2399	9,367497E+21	1,305641E+22	1,542904E+22	1,542930E+22	1,305677E+22	9,367641E+21	5,584837E+21	2,722229E+21	1,312553E+21	1,312506E+21	2,722045E+21	5,584445E+21
-2398	9,367159E+21	1,305656E+22	1,542941E+22	1,542939E+22	1,305663E+22	9,367494E+21	5,584800E+21	2,722307E+21	1,312675E+21	1,312667E+21	2,722329E+21	5,584964E+21
-2397	9,367742E+21	1,305679E+22	1,542927E+22	1,542898E+22	1,305617E+22	9,367158E+21	5,584579E+21	2,722167E+21	1,312640E+21	1,312700E+21	2,722298E+21	5,584635E+21
-2396	9,367100E+21	1,305603E+22	1,542884E+22	1,542922E+22	1,305674E+22	9,367690E+21	5,585001E+21	2,722434E+21	1,312711E+21	1,312616E+21	2,722110E+21	5,584467E+21
-2395	9,367252E+21	1,305673E+22	1,542949E+22	1,542936E+22	1,305647E+22	9,367222E+21	5,584535E+21	2,722126E+21	1,312580E+21	1,312640E+21	2,722386E+21	5,585021E+21
-2394	9,367626E+21	1,305656E+22	1,542913E+22	1,542912E+22	1,305645E+22	9,367308E+21	5,584534E+21	2,722000E+21	1,312418E+21	1,312442E+21	2,722031E+21	5,584478E+21
-2393	9,367105E+21	1,305630E+22	1,542939E+22	1,542973E+22	1,305704E+22	9,367757E+21	5,584837E+21	2,722121E+21	1,312361E+21	1,312280E+21	2,721892E+21	5,584628E+21
-2392	9,367844E+21	1,305739E+22	1,543015E+22	1,542992E+22	1,305674E+22	9,367222E+21	5,584291E+21	2,721713E+21	1,312141E+21	1,312213E+21	2,721973E+21	5,584719E+21
-2391	9,367693E+21	1,305709E+22	1,542992E+22	1,542997E+22	1,305710E+22	9,367648E+21	5,584566E+21	2,721768E+21	1,312038E+21	1,311982E+21	2,721552E+21	5,584138E+21
-2390	9,367164E+21	1,305709E+22	1,543055E+22	1,543062E+22	1,305742E+22	9,367707E+21	5,584551E+21	2,721767E+21	1,312027E+21	1,311980E+21	2,721677E+21	5,584596E+21
-2389	9,367898E+21	1,305756E+22	1,543066E+22	1,543051E+22	1,305715E+22	9,367358E+21	5,584167E+21	2,721451E+21	1,311874E+21	1,311961E+21	2,721698E+21	5,584434E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,367463E+21	1,305691E+22	1,543006E+22	1,543053E+22	1,305766E+22	9,367961E+21	5,584641E+21	2,721711E+21	1,311931E+21	1,311864E+21	2,721477E+21	5,584188E+21
-2387	9,367451E+21	1,305747E+22	1,543064E+22	1,543055E+22	1,305735E+22	9,367597E+21	5,584386E+21	2,721613E+21	1,311953E+21	1,311993E+21	2,721798E+21	5,584773E+21
-2386	9,367950E+21	1,305745E+22	1,543030E+22	1,543004E+22	1,305692E+22	9,367395E+21	5,584310E+21	2,721589E+21	1,311980E+21	1,312033E+21	2,721688E+21	5,584322E+21
-2385	9,367245E+21	1,305670E+22	1,542992E+22	1,543019E+22	1,305727E+22	9,367818E+21	5,584792E+21	2,722009E+21	1,312232E+21	1,312152E+21	2,721739E+21	5,584400E+21
-2384	9,367595E+21	1,305729E+22	1,543021E+22	1,543003E+22	1,305677E+22	9,367207E+21	5,584341E+21	2,721856E+21	1,312321E+21	1,312407E+21	2,722169E+21	5,584838E+21
-2383	9,367594E+21	1,305672E+22	1,542932E+22	1,542932E+22	1,305663E+22	9,367417E+21	5,584611E+21	2,722071E+21	1,312477E+21	1,312495E+21	2,722081E+21	5,584450E+21
-2382	9,366929E+21	1,305612E+22	1,542913E+22	1,542934E+22	1,305668E+22	9,367571E+21	5,584893E+21	2,722397E+21	1,312737E+21	1,312697E+21	2,722310E+21	5,584908E+21
-2381	9,367699E+21	1,305666E+22	1,542908E+22	1,542887E+22	1,305608E+22	9,367049E+21	5,584537E+21	2,722240E+21	1,312782E+21	1,312887E+21	2,722560E+21	5,584950E+21
-2380	9,367351E+21	1,305600E+22	1,542828E+22	1,542846E+22	1,305624E+22	9,367518E+21	5,585043E+21	2,722607E+21	1,312959E+21	1,312899E+21	2,722360E+21	5,584525E+21
-2379	9,366946E+21	1,305614E+22	1,542880E+22	1,542867E+22	1,305605E+22	9,367235E+21	5,584899E+21	2,722624E+21	1,313046E+21	1,313038E+21	2,722650E+21	5,585087E+21
-2378	9,367532E+21	1,305626E+22	1,542858E+22	1,542835E+22	1,305572E+22	9,366918E+21	5,584608E+21	2,722430E+21	1,312979E+21	1,313049E+21	2,722607E+21	5,584752E+21
-2377	9,366873E+21	1,305545E+22	1,542805E+22	1,542850E+22	1,305632E+22	9,367557E+21	5,585095E+21	2,722687E+21	1,313018E+21	1,312934E+21	2,722416E+21	5,584667E+21
-2376	9,367169E+21	1,305624E+22	1,542880E+22	1,542876E+22	1,305611E+22	9,367125E+21	5,584652E+21	2,722371E+21	1,312859E+21	1,312910E+21	2,722607E+21	5,585142E+21
-2375	9,367615E+21	1,305631E+22	1,542860E+22	1,542851E+22	1,305607E+22	9,367234E+21	5,584689E+21	2,722263E+21	1,312689E+21	1,312702E+21	2,722253E+21	5,584560E+21
-2374	9,366964E+21	1,305597E+22	1,542889E+22	1,542912E+22	1,305656E+22	9,367562E+21	5,584939E+21	2,722396E+21	1,312666E+21	1,312567E+21	2,722112E+21	5,584683E+21
-2373	9,367669E+21	1,305700E+22	1,542965E+22	1,542942E+22	1,305640E+22	9,367105E+21	5,584398E+21	2,721975E+21	1,312453E+21	1,312526E+21	2,722225E+21	5,584772E+21
-2372	9,367477E+21	1,305664E+22	1,542931E+22	1,542943E+22	1,305682E+22	9,367581E+21	5,584685E+21	2,722034E+21	1,312358E+21	1,312317E+21	2,721856E+21	5,584266E+21
-2371	9,366995E+21	1,305664E+22	1,542989E+22	1,542995E+22	1,305700E+22	9,367576E+21	5,584640E+21	2,722001E+21	1,312322E+21	1,312297E+21	2,721980E+21	5,584790E+21
-2370	9,367830E+21	1,305713E+22	1,542996E+22	1,542983E+22	1,305672E+22	9,367197E+21	5,584245E+21	2,721699E+21	1,312177E+21	1,312272E+21	2,721971E+21	5,584569E+21
-2369	9,367366E+21	1,305649E+22	1,542930E+22	1,542969E+22	1,305714E+22	9,367821E+21	5,584793E+21	2,722020E+21	1,312268E+21	1,312196E+21	2,721764E+21	5,584325E+21
-2368	9,367327E+21	1,305703E+22	1,543001E+22	1,542988E+22	1,305685E+22	9,367431E+21	5,584540E+21	2,721951E+21	1,312323E+21	1,312342E+21	2,722064E+21	5,584841E+21
-2367	9,367772E+21	1,305703E+22	1,542969E+22	1,542939E+22	1,305644E+22	9,367212E+21	5,584459E+21	2,721942E+21	1,312374E+21	1,312428E+21	2,722044E+21	5,584450E+21
-2366	9,366956E+21	1,305604E+22	1,542909E+22	1,542939E+22	1,305672E+22	9,367572E+21	5,584884E+21	2,722353E+21	1,312652E+21	1,312577E+21	2,722123E+21	5,584598E+21
-2365	9,367421E+21	1,305666E+22	1,542929E+22	1,542916E+22	1,305629E+22	9,367095E+21	5,584489E+21	2,722188E+21	1,312728E+21	1,312829E+21	2,722547E+21	5,585035E+21
-2364	9,367491E+21	1,305621E+22	1,542844E+22	1,542841E+22	1,305610E+22	9,367311E+21	5,584806E+21	2,722434E+21	1,312888E+21	1,312907E+21	2,722436E+21	5,584621E+21
-2363	9,366859E+21	1,305575E+22	1,542839E+22	1,542845E+22	1,305606E+22	9,367367E+21	5,585040E+21	2,722737E+21	1,313124E+21	1,313079E+21	2,722624E+21	5,585032E+21
-2362	9,367572E+21	1,305627E+22	1,542845E+22	1,542815E+22	1,305553E+22	9,366809E+21	5,584637E+21	2,722573E+21	1,313168E+21	1,313259E+21	2,722846E+21	5,584987E+21
-2361	9,367061E+21	1,305543E+22	1,542758E+22	1,542778E+22	1,305578E+22	9,367353E+21	5,585177E+21	2,722938E+21	1,313336E+21	1,313275E+21	2,722688E+21	5,584648E+21
-2360	9,366683E+21	1,305548E+22	1,542807E+22	1,542811E+22	1,305571E+22	9,367129E+21	5,585022E+21	2,722917E+21	1,313389E+21	1,313380E+21	2,722946E+21	5,585211E+21
-2359	9,367363E+21	1,305574E+22	1,542785E+22	1,542768E+22	1,305535E+22	9,366854E+21	5,584763E+21	2,722705E+21	1,313286E+21	1,313369E+21	2,722926E+21	5,584935E+21
-2358	9,366740E+21	1,305492E+22	1,542726E+22	1,542772E+22	1,305580E+22	9,367386E+21	5,585207E+21	2,722957E+21	1,313326E+21	1,313239E+21	2,722691E+21	5,584842E+21
-2357	9,367163E+21	1,305591E+22	1,542813E+22	1,542799E+22	1,305565E+22	9,367026E+21	5,584788E+21	2,722638E+21	1,313162E+21	1,313208E+21	2,722846E+21	5,585222E+21
-2356	9,367534E+21	1,305606E+22	1,542812E+22	1,542789E+22	1,305562E+22	9,367102E+21	5,584826E+21	2,722551E+21	1,313009E+21	1,313014E+21	2,722504E+21	5,584628E+21
-2355	9,366834E+21	1,305568E+22	1,542846E+22	1,542861E+22	1,305612E+22	9,367335E+21	5,584983E+21	2,722631E+21	1,312964E+21	1,312875E+21	2,722382E+21	5,584793E+21
-2354	9,367511E+21	1,305655E+22	1,542907E+22	1,542892E+22	1,305607E+22	9,366923E+21	5,584418E+21	2,722190E+21	1,312739E+21	1,312821E+21	2,722484E+21	5,584866E+21
-2353	9,367279E+21	1,305610E+22	1,542860E+22	1,542877E+22	1,305647E+22	9,367514E+21	5,584806E+21	2,722277E+21	1,312644E+21	1,312615E+21	2,722142E+21	5,584447E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,366904E+21	1,305613E+22	1,542920E+22	1,542933E+22	1,305661E+22	9,367499E+21	5,584795E+21	2,722274E+21	1,312617E+21	1,312581E+21	2,722207E+21	5,584871E+21
-2351	9,367741E+21	1,305679E+22	1,542935E+22	1,542911E+22	1,305625E+22	9,367101E+21	5,584433E+21	2,722013E+21	1,312501E+21	1,312587E+21	2,722241E+21	5,584645E+21
-2350	9,367152E+21	1,305602E+22	1,542865E+22	1,542893E+22	1,305653E+22	9,367573E+21	5,584912E+21	2,722358E+21	1,312650E+21	1,312565E+21	2,722063E+21	5,584422E+21
-2349	9,367139E+21	1,305650E+22	1,542927E+22	1,542912E+22	1,305636E+22	9,367265E+21	5,584663E+21	2,722286E+21	1,312726E+21	1,312749E+21	2,722409E+21	5,584949E+21
-2348	9,367561E+21	1,305648E+22	1,542890E+22	1,542863E+22	1,305598E+22	9,367078E+21	5,584600E+21	2,722285E+21	1,312787E+21	1,312854E+21	2,722431E+21	5,584644E+21
-2347	9,366829E+21	1,305553E+22	1,542829E+22	1,542857E+22	1,305616E+22	9,367367E+21	5,584987E+21	2,722659E+21	1,313035E+21	1,312980E+21	2,722498E+21	5,584823E+21
-2346	9,367355E+21	1,305617E+22	1,542849E+22	1,542837E+22	1,305577E+22	9,366899E+21	5,584605E+21	2,722514E+21	1,313110E+21	1,313209E+21	2,722869E+21	5,585164E+21
-2345	9,367347E+21	1,305574E+22	1,542767E+22	1,542757E+22	1,305557E+22	9,367194E+21	5,585003E+21	2,722801E+21	1,313287E+21	1,313299E+21	2,722768E+21	5,584750E+21
-2344	9,366660E+21	1,305521E+22	1,542774E+22	1,542780E+22	1,305557E+22	9,367228E+21	5,585231E+21	2,723110E+21	1,313528E+21	1,313463E+21	2,722919E+21	5,585074E+21
-2343	9,367308E+21	1,305573E+22	1,542778E+22	1,542751E+22	1,305510E+22	9,366679E+21	5,584809E+21	2,722929E+21	1,313562E+21	1,313658E+21	2,723210E+21	5,585112E+21
-2342	9,366754E+21	1,305471E+22	1,542667E+22	1,542696E+22	1,305525E+22	9,367152E+21	5,585280E+21	2,723259E+21	1,313723E+21	1,313667E+21	2,723051E+21	5,584856E+21
-2341	9,366562E+21	1,305486E+22	1,542712E+22	1,542721E+22	1,305523E+22	9,367038E+21	5,585160E+21	2,723207E+21	1,313738E+21	1,313739E+21	2,723271E+21	5,585397E+21
-2340	9,367331E+21	1,305534E+22	1,542709E+22	1,542686E+22	1,305484E+22	9,366728E+21	5,584917E+21	2,723001E+21	1,313614E+21	1,313694E+21	2,723210E+21	5,585097E+21
-2339	9,366757E+21	1,305469E+22	1,542672E+22	1,542700E+22	1,305522E+22	9,367143E+21	5,585275E+21	2,723201E+21	1,313615E+21	1,313527E+21	2,722930E+21	5,584945E+21
-2338	9,367105E+21	1,305568E+22	1,542775E+22	1,542752E+22	1,305521E+22	9,366786E+21	5,584828E+21	2,722873E+21	1,313445E+21	1,313481E+21	2,723055E+21	5,585237E+21
-2337	9,367316E+21	1,305567E+22	1,542766E+22	1,542745E+22	1,305532E+22	9,366984E+21	5,584907E+21	2,722782E+21	1,313286E+21	1,313297E+21	2,722754E+21	5,584711E+21
-2336	9,366610E+21	1,305516E+22	1,542793E+22	1,542823E+22	1,305590E+22	9,367297E+21	5,585094E+21	2,722857E+21	1,313228E+21	1,313139E+21	2,722604E+21	5,584852E+21
-2335	9,367338E+21	1,305610E+22	1,542848E+22	1,542841E+22	1,305580E+22	9,366913E+21	5,584580E+21	2,722436E+21	1,313005E+21	1,313097E+21	2,722747E+21	5,584984E+21
-2334	9,367110E+21	1,305556E+22	1,542781E+22	1,542801E+22	1,305598E+22	9,367377E+21	5,584950E+21	2,722565E+21	1,312957E+21	1,312918E+21	2,722404E+21	5,584586E+21
-2333	9,366841E+21	1,305570E+22	1,542842E+22	1,542848E+22	1,305611E+22	9,367410E+21	5,584971E+21	2,722594E+21	1,312967E+21	1,312921E+21	2,722481E+21	5,584942E+21
-2332	9,367587E+21	1,305640E+22	1,542872E+22	1,542838E+22	1,305568E+22	9,366913E+21	5,584595E+21	2,722367E+21	1,312893E+21	1,312973E+21	2,722568E+21	5,584764E+21
-2331	9,366994E+21	1,305556E+22	1,542800E+22	1,542822E+22	1,305594E+22	9,367261E+21	5,584952E+21	2,722652E+21	1,313033E+21	1,312968E+21	2,722435E+21	5,584606E+21
-2330	9,366997E+21	1,305598E+22	1,542852E+22	1,542842E+22	1,305586E+22	9,367006E+21	5,584699E+21	2,722570E+21	1,313100E+21	1,313140E+21	2,722766E+21	5,585122E+21
-2329	9,367404E+21	1,305592E+22	1,542807E+22	1,542783E+22	1,305551E+22	9,366955E+21	5,584737E+21	2,722595E+21	1,313161E+21	1,313242E+21	2,722797E+21	5,584862E+21
-2328	9,366741E+21	1,305502E+22	1,542755E+22	1,542785E+22	1,305570E+22	9,367270E+21	5,585177E+21	2,723002E+21	1,313411E+21	1,313345E+21	2,722789E+21	5,584916E+21
-2327	9,367223E+21	1,305577E+22	1,542783E+22	1,542764E+22	1,305529E+22	9,366809E+21	5,584833E+21	2,722891E+21	1,313505E+21	1,313594E+21	2,723188E+21	5,585234E+21
-2326	9,367057E+21	1,305513E+22	1,542690E+22	1,542679E+22	1,305499E+22	9,366992E+21	5,585178E+21	2,723193E+21	1,313719E+21	1,313716E+21	2,723115E+21	5,584867E+21
-2325	9,366429E+21	1,305455E+22	1,542681E+22	1,542697E+22	1,305511E+22	9,367123E+21	5,585397E+21	2,723472E+21	1,313950E+21	1,313890E+21	2,723290E+21	5,585196E+21
-2324	9,367055E+21	1,305510E+22	1,542689E+22	1,542667E+22	1,305461E+22	9,366563E+21	5,584976E+21	2,723273E+21	1,313959E+21	1,314063E+21	2,723588E+21	5,585333E+21
-2323	9,366679E+21	1,305421E+22	1,542585E+22	1,542610E+22	1,305464E+22	9,366911E+21	5,585356E+21	2,723528E+21	1,314061E+21	1,314022E+21	2,723391E+21	5,585090E+21
-2322	9,366587E+21	1,305452E+22	1,542640E+22	1,542643E+22	1,305466E+22	9,366784E+21	5,585228E+21	2,723470E+21	1,314045E+21	1,314039E+21	2,723522E+21	5,585502E+21
-2321	9,367258E+21	1,305506E+22	1,542653E+22	1,542620E+22	1,305436E+22	9,366580E+21	5,585044E+21	2,723278E+21	1,313918E+21	1,313988E+21	2,723453E+21	5,585185E+21
-2320	9,366615E+21	1,305438E+22	1,542638E+22	1,542662E+22	1,305485E+22	9,366988E+21	5,585385E+21	2,723467E+21	1,313910E+21	1,313805E+21	2,723134E+21	5,584942E+21
-2319	9,366865E+21	1,305528E+22	1,542731E+22	1,542715E+22	1,305497E+22	9,366708E+21	5,584949E+21	2,723128E+21	1,313733E+21	1,313775E+21	2,723318E+21	5,585293E+21
-2318	9,367006E+21	1,305504E+22	1,542695E+22	1,542688E+22	1,305498E+22	9,366882E+21	5,585012E+21	2,723034E+21	1,313587E+21	1,313601E+21	2,723030E+21	5,584862E+21
-2317	9,366494E+21	1,305461E+22	1,542705E+22	1,542746E+22	1,305554E+22	9,367287E+21	5,585253E+21	2,723122E+21	1,313532E+21	1,313446E+21	2,722870E+21	5,584959E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,367221E+21	1,305568E+22	1,542774E+22	1,542764E+22	1,305533E+22	9,366824E+21	5,584763E+21	2,722744E+21	1,313330E+21	1,313409E+21	2,723008E+21	5,585111E+21
-2315	9,367066E+21	1,305526E+22	1,542719E+22	1,542725E+22	1,305535E+22	9,367099E+21	5,585025E+21	2,722841E+21	1,313284E+21	1,313246E+21	2,722684E+21	5,584706E+21
-2314	9,366743E+21	1,305536E+22	1,542786E+22	1,542786E+22	1,305555E+22	9,367096E+21	5,585015E+21	2,722876E+21	1,313308E+21	1,313261E+21	2,722769E+21	5,585023E+21
-2313	9,367374E+21	1,305593E+22	1,542808E+22	1,542777E+22	1,305527E+22	9,366742E+21	5,584680E+21	2,722648E+21	1,313242E+21	1,313339E+21	2,722919E+21	5,584945E+21
-2312	9,366815E+21	1,305504E+22	1,542737E+22	1,542767E+22	1,305557E+22	9,367143E+21	5,585062E+21	2,722926E+21	1,313371E+21	1,313318E+21	2,722751E+21	5,584756E+21
-2311	9,366869E+21	1,305552E+22	1,542782E+22	1,542779E+22	1,305549E+22	9,366948E+21	5,584879E+21	2,722878E+21	1,313448E+21	1,313501E+21	2,723102E+21	5,585279E+21
-2310	9,367240E+21	1,305536E+22	1,542720E+22	1,542700E+22	1,305498E+22	9,366821E+21	5,584927E+21	2,722961E+21	1,313560E+21	1,313629E+21	2,723121E+21	5,585009E+21
-2309	9,366636E+21	1,305454E+22	1,542666E+22	1,542693E+22	1,305517E+22	9,367205E+21	5,585414E+21	2,723409E+21	1,313849E+21	1,313765E+21	2,723121E+21	5,584978E+21
-2308	9,366955E+21	1,305524E+22	1,542708E+22	1,542685E+22	1,305472E+22	9,366646E+21	5,585054E+21	2,723321E+21	1,313967E+21	1,314039E+21	2,723559E+21	5,585369E+21
-2307	9,366833E+21	1,305450E+22	1,542602E+22	1,542595E+22	1,305436E+22	9,366695E+21	5,585263E+21	2,723539E+21	1,314144E+21	1,314155E+21	2,723520E+21	5,585077E+21
-2306	9,366274E+21	1,305395E+22	1,542589E+22	1,542611E+22	1,305453E+22	9,366854E+21	5,585466E+21	2,723776E+21	1,314327E+21	1,314278E+21	2,723653E+21	5,585392E+21
-2305	9,366932E+21	1,305458E+22	1,542602E+22	1,542580E+22	1,305405E+22	9,366397E+21	5,585100E+21	2,723563E+21	1,314302E+21	1,314415E+21	2,723918E+21	5,585541E+21
-2304	9,366625E+21	1,305385E+22	1,542524E+22	1,542542E+22	1,305414E+22	9,366742E+21	5,585476E+21	2,723805E+21	1,314370E+21	1,314319E+21	2,723620E+21	5,585161E+21
-2303	9,366498E+21	1,305429E+22	1,542598E+22	1,542591E+22	1,305426E+22	9,366650E+21	5,585364E+21	2,723751E+21	1,314352E+21	1,314338E+21	2,723759E+21	5,585527E+21
-2302	9,366998E+21	1,305459E+22	1,542599E+22	1,542570E+22	1,305397E+22	9,366408E+21	5,585151E+21	2,723568E+21	1,314247E+21	1,314301E+21	2,723702E+21	5,585247E+21
-2301	9,366403E+21	1,305387E+22	1,542567E+22	1,542607E+22	1,305462E+22	9,366973E+21	5,585520E+21	2,723739E+21	1,314229E+21	1,314126E+21	2,723406E+21	5,585002E+21
-2300	9,366598E+21	1,305474E+22	1,542662E+22	1,542656E+22	1,305466E+22	9,366681E+21	5,585118E+21	2,723409E+21	1,314043E+21	1,314084E+21	2,723597E+21	5,585449E+21
-2299	9,366902E+21	1,305456E+22	1,542619E+22	1,542616E+22	1,305450E+22	9,366704E+21	5,585097E+21	2,723267E+21	1,313869E+21	1,313898E+21	2,723313E+21	5,585051E+21
-2298	9,366492E+21	1,305427E+22	1,542633E+22	1,542670E+22	1,305501E+22	9,367063E+21	5,585335E+21	2,723371E+21	1,313814E+21	1,313727E+21	2,723112E+21	5,585062E+21
-2297	9,367116E+21	1,305537E+22	1,542715E+22	1,542693E+22	1,305481E+22	9,366650E+21	5,584880E+21	2,723019E+21	1,313640E+21	1,313719E+21	2,723283E+21	5,585232E+21
-2296	9,366920E+21	1,305492E+22	1,542677E+22	1,542677E+22	1,305489E+22	9,366873E+21	5,585097E+21	2,723111E+21	1,313605E+21	1,313566E+21	2,722954E+21	5,584791E+21
-2295	9,366563E+21	1,305497E+22	1,542732E+22	1,542737E+22	1,305521E+22	9,366934E+21	5,585097E+21	2,723143E+21	1,313640E+21	1,313612E+21	2,723097E+21	5,585158E+21
-2294	9,367133E+21	1,305531E+22	1,542727E+22	1,542708E+22	1,305484E+22	9,366602E+21	5,584800E+21	2,722949E+21	1,313603E+21	1,313706E+21	2,723255E+21	5,585153E+21
-2293	9,366745E+21	1,305452E+22	1,542643E+22	1,542682E+22	1,305515E+22	9,367114E+21	5,585261E+21	2,723267E+21	1,313753E+21	1,313698E+21	2,723073E+21	5,584878E+21
-2292	9,366709E+21	1,305506E+22	1,542703E+22	1,542695E+22	1,305497E+22	9,366867E+21	5,585131E+21	2,723281E+21	1,313865E+21	1,313892E+21	2,723410E+21	5,585398E+21
-2291	9,367100E+21	1,305491E+22	1,542646E+22	1,542617E+22	1,305433E+22	9,366567E+21	5,585074E+21	2,723337E+21	1,313988E+21	1,314050E+21	2,723469E+21	5,585133E+21
-2290	9,366449E+21	1,305403E+22	1,542585E+22	1,542613E+22	1,305456E+22	9,366912E+21	5,585527E+21	2,723777E+21	1,314272E+21	1,314184E+21	2,723476E+21	5,585074E+21
-2289	9,366644E+21	1,305458E+22	1,542620E+22	1,542606E+22	1,305423E+22	9,366476E+21	5,585185E+21	2,723665E+21	1,314377E+21	1,314460E+21	2,723953E+21	5,585569E+21
-2288	9,366620E+21	1,305391E+22	1,542526E+22	1,542522E+22	1,305385E+22	9,366511E+21	5,585374E+21	2,723844E+21	1,314511E+21	1,314531E+21	2,723862E+21	5,585262E+21
-2287	9,366168E+21	1,305348E+22	1,542513E+22	1,542537E+22	1,305404E+22	9,366702E+21	5,585602E+21	2,724074E+21	1,314670E+21	1,314632E+21	2,723976E+21	5,585549E+21
-2286	9,366793E+21	1,305409E+22	1,542522E+22	1,542499E+22	1,305352E+22	9,366235E+21	5,585252E+21	2,723890E+21	1,314661E+21	1,314759E+21	2,724202E+21	5,585678E+21
-2285	9,366552E+21	1,305350E+22	1,542454E+22	1,542468E+22	1,305371E+22	9,366657E+21	5,585649E+21	2,724137E+21	1,314738E+21	1,314671E+21	2,723890E+21	5,585193E+21
-2284	9,366244E+21	1,305386E+22	1,542544E+22	1,542537E+22	1,305387E+22	9,366532E+21	5,585530E+21	2,724088E+21	1,314720E+21	1,314688E+21	2,724043E+21	5,585629E+21
-2283	9,366796E+21	1,305405E+22	1,542530E+22	1,542511E+22	1,305357E+22	9,366206E+21	5,585199E+21	2,723821E+21	1,314572E+21	1,314642E+21	2,724015E+21	5,585414E+21
-2282	9,366280E+21	1,305337E+22	1,542488E+22	1,542537E+22	1,305419E+22	9,366793E+21	5,585587E+21	2,723968E+21	1,314509E+21	1,314419E+21	2,723681E+21	5,585152E+21
-2281	9,366468E+21	1,305429E+22	1,542587E+22	1,542584E+22	1,305424E+22	9,366584E+21	5,585242E+21	2,723645E+21	1,314311E+21	1,314359E+21	2,723852E+21	5,585606E+21

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°
-2280	9,366839E+21	1,305427E+22	1,542569E+22	1,542555E+22	1,305403E+22	9,366539E+21	5,585199E+21	2,723505E+21	1,314129E+21	1,314149E+21	2,723513E+21	5,585121E+21
-2279	9,366410E+21	1,305407E+22	1,542594E+22	1,542618E+22	1,305458E+22	9,366890E+21	5,585433E+21	2,723619E+21	1,314098E+21	1,314012E+21	2,723351E+21	5,585114E+21
-2278	9,366880E+21	1,305492E+22	1,542657E+22	1,542639E+22	1,305440E+22	9,366462E+21	5,584971E+21	2,723299E+21	1,313967E+21	1,314042E+21	2,723559E+21	5,585351E+21
-2277	9,366763E+21	1,305445E+22	1,542604E+22	1,542615E+22	1,305461E+22	9,366819E+21	5,585218E+21	2,723394E+21	1,313950E+21	1,313919E+21	2,723262E+21	5,584904E+21
-2276	9,366355E+21	1,305447E+22	1,542663E+22	1,542673E+22	1,305485E+22	9,366876E+21	5,585274E+21	2,723465E+21	1,314001E+21	1,313967E+21	2,723410E+21	5,585351E+21
-2275	9,367052E+21	1,305480E+22	1,542643E+22	1,542628E+22	1,305432E+22	9,366412E+21	5,584922E+21	2,723261E+21	1,313967E+21	1,314073E+21	2,723576E+21	5,585331E+21
-2274	9,366688E+21	1,305412E+22	1,542563E+22	1,542596E+22	1,305456E+22	9,366903E+21	5,585421E+21	2,723621E+21	1,314136E+21	1,314072E+21	2,723381E+21	5,584973E+21
-2273	9,366485E+21	1,305458E+22	1,542631E+22	1,542614E+22	1,305439E+22	9,366692E+21	5,585317E+21	2,723663E+21	1,314285E+21	1,314305E+21	2,723757E+21	5,585502E+21
-2272	9,366814E+21	1,305436E+22	1,542580E+22	1,542548E+22	1,305379E+22	9,366330E+21	5,585197E+21	2,723696E+21	1,314406E+21	1,314467E+21	2,723829E+21	5,585259E+21
-2271	9,366201E+21	1,305345E+22	1,542505E+22	1,542540E+22	1,305409E+22	9,366727E+21	5,585630E+21	2,724099E+21	1,314676E+21	1,314611E+21	2,723875E+21	5,585265E+21
-2270	9,366398E+21	1,305385E+22	1,542517E+22	1,542512E+22	1,305367E+22	9,366299E+21	5,585317E+21	2,724001E+21	1,314778E+21	1,314867E+21	2,724326E+21	5,585814E+21
-2269	9,366579E+21	1,305339E+22	1,542426E+22	1,542427E+22	1,305335E+22	9,366407E+21	5,585545E+21	2,724188E+21	1,314904E+21	1,314918E+21	2,724187E+21	5,585403E+21
-2268	9,366057E+21	1,305311E+22	1,542445E+22	1,542458E+22	1,305350E+22	9,366554E+21	5,585793E+21	2,724441E+21	1,315062E+21	1,314996E+21	2,724262E+21	5,585676E+21
-2267	9,366682E+21	1,305369E+22	1,542460E+22	1,542430E+22	1,305296E+22	9,365980E+21	5,585349E+21	2,724208E+21	1,315034E+21	1,315126E+21	2,724503E+21	5,585781E+21
-2266	9,366394E+21	1,305309E+22	1,542393E+22	1,542409E+22	1,305325E+22	9,366436E+21	5,585734E+21	2,724422E+21	1,315072E+21	1,315011E+21	2,724183E+21	5,585275E+21
-2265	9,365974E+21	1,305333E+22	1,542477E+22	1,542478E+22	1,305355E+22	9,366458E+21	5,585647E+21	2,724343E+21	1,315026E+21	1,315009E+21	2,724339E+21	5,585769E+21
-2264	9,366608E+21	1,305359E+22	1,542472E+22	1,542455E+22	1,305322E+22	9,366112E+21	5,585300E+21	2,724042E+21	1,314834E+21	1,314912E+21	2,724261E+21	5,585550E+21
-2263	9,366214E+21	1,305303E+22	1,542427E+22	1,542474E+22	1,305382E+22	9,366696E+21	5,585696E+21	2,724188E+21	1,314764E+21	1,314682E+21	2,723914E+21	5,585256E+21
-2262	9,366334E+21	1,305386E+22	1,542517E+22	1,542511E+22	1,305378E+22	9,366455E+21	5,585382E+21	2,723923E+21	1,314605E+21	1,314635E+21	2,724073E+21	5,585707E+21
-2261	9,366766E+21	1,305396E+22	1,542509E+22	1,542490E+22	1,305362E+22	9,366422E+21	5,585342E+21	2,723808E+21	1,314461E+21	1,314466E+21	2,723760E+21	5,585160E+21
-2260	9,366175E+21	1,305365E+22	1,542544E+22	1,542567E+22	1,305419E+22	9,366728E+21	5,585558E+21	2,723934E+21	1,314451E+21	1,314351E+21	2,723640E+21	5,585250E+21
-2259	9,366709E+21	1,305439E+22	1,542587E+22	1,542576E+22	1,305397E+22	9,366252E+21	5,585020E+21	2,723563E+21	1,314310E+21	1,314402E+21	2,723892E+21	5,585547E+21
-2258	9,366688E+21	1,305401E+22	1,542527E+22	1,542538E+22	1,305411E+22	9,366630E+21	5,585308E+21	2,723660E+21	1,314273E+21	1,314258E+21	2,723570E+21	5,585059E+21
-2257	9,366219E+21	1,305400E+22	1,542586E+22	1,542595E+22	1,305439E+22	9,366779E+21	5,585436E+21	2,723770E+21	1,314346E+21	1,314313E+21	2,723703E+21	5,585475E+21
-2256	9,366917E+21	1,305445E+22	1,542587E+22	1,542559E+22	1,305382E+22	9,366243E+21	5,585064E+21	2,723584E+21	1,314328E+21	1,314422E+21	2,723850E+21	5,585406E+21
-2255	9,366507E+21	1,305373E+22	1,542503E+22	1,542528E+22	1,305407E+22	9,366718E+21	5,585559E+21	2,723959E+21	1,314529E+21	1,314468E+21	2,723710E+21	5,585050E+21
-2254	9,366148E+21	1,305387E+22	1,542544E+22	1,542538E+22	1,305391E+22	9,366522E+21	5,585467E+21	2,724032E+21	1,314709E+21	1,314728E+21	2,724128E+21	5,585667E+21
-2253	9,366605E+21	1,305370E+22	1,542481E+22	1,542462E+22	1,305336E+22	9,366237E+21	5,585364E+21	2,724058E+21	1,314832E+21	1,314903E+21	2,724220E+21	5,585436E+21
-2252	9,365990E+21	1,305284E+22	1,542418E+22	1,542453E+22	1,305356E+22	9,366592E+21	5,585815E+21	2,724466E+21	1,315090E+21	1,315020E+21	2,724246E+21	5,585516E+21
-2251	9,366354E+21	1,305332E+22	1,542425E+22	1,542417E+22	1,305303E+22	9,366056E+21	5,585430E+21	2,724334E+21	1,315173E+21	1,315266E+21	2,724677E+21	5,586019E+21
-2250	9,366579E+21	1,305306E+22	1,542352E+22	1,542337E+22	1,305269E+22	9,366160E+21	5,585675E+21	2,724522E+21	1,315279E+21	1,315289E+21	2,724493E+21	5,585505E+21
-2249	9,365885E+21	1,305272E+22	1,542387E+22	1,542392E+22	1,305301E+22	9,366380E+21	5,585938E+21	2,724775E+21	1,315440E+21	1,315369E+21	2,724570E+21	5,585759E+21
-2248	9,366443E+21	1,305326E+22	1,542411E+22	1,542380E+22	1,305258E+22	9,365801E+21	5,585439E+21	2,724496E+21	1,315377E+21	1,315470E+21	2,724795E+21	5,585877E+21
-2247	9,366182E+21	1,305261E+22	1,542331E+22	1,542354E+22	1,305295E+22	9,366343E+21	5,585824E+21	2,724664E+21	1,315380E+21	1,315338E+21	2,724485E+21	5,585409E+21
-2246	9,365744E+21	1,305267E+22	1,542392E+22	1,542404E+22	1,305316E+22	9,366390E+21	5,585794E+21	2,724609E+21	1,315324E+21	1,315306E+21	2,724604E+21	5,585921E+21
-2245	9,366542E+21	1,305314E+22	1,542390E+22	1,542378E+22	1,305284E+22	9,366067E+21	5,585473E+21	2,724325E+21	1,315136E+21	1,315201E+21	2,724490E+21	5,585619E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,366091E+21	1,305273E+22	1,542375E+22	1,542409E+22	1,305335E+22	9,366566E+21	5,585857E+21	2,724493E+21	1,315080E+21	1,314969E+21	2,724140E+21	5,585359E+21
-2243	9,366237E+21	1,305347E+22	1,542460E+22	1,542447E+22	1,305325E+22	9,366191E+21	5,585437E+21	2,724191E+21	1,314927E+21	1,314954E+21	2,724337E+21	5,585804E+21
-2242	9,366644E+21	1,305359E+22	1,542453E+22	1,542432E+22	1,305317E+22	9,366189E+21	5,585390E+21	2,724052E+21	1,314764E+21	1,314784E+21	2,724049E+21	5,585273E+21
-2241	9,365979E+21	1,305318E+22	1,542485E+22	1,542512E+22	1,305385E+22	9,366614E+21	5,585639E+21	2,724169E+21	1,314753E+21	1,314675E+21	2,723945E+21	5,585405E+21
-2240	9,366569E+21	1,305396E+22	1,542531E+22	1,542517E+22	1,305360E+22	9,366131E+21	5,585115E+21	2,723799E+21	1,314598E+21	1,314700E+21	2,724161E+21	5,585691E+21
-2239	9,366628E+21	1,305366E+22	1,542465E+22	1,542472E+22	1,305372E+22	9,366534E+21	5,585432E+21	2,723920E+21	1,314585E+21	1,314580E+21	2,723848E+21	5,585164E+21
-2238	9,366040E+21	1,305348E+22	1,542508E+22	1,542513E+22	1,305388E+22	9,366671E+21	5,585629E+21	2,724120E+21	1,314720E+21	1,314673E+21	2,723989E+21	5,585558E+21
-2237	9,366733E+21	1,305394E+22	1,542509E+22	1,542483E+22	1,305336E+22	9,366128E+21	5,585262E+21	2,723974E+21	1,314756E+21	1,314836E+21	2,724184E+21	5,585476E+21
-2236	9,366207E+21	1,305312E+22	1,542428E+22	1,542455E+22	1,305356E+22	9,366542E+21	5,585728E+21	2,724356E+21	1,314977E+21	1,314905E+21	2,724100E+21	5,585259E+21
-2235	9,365961E+21	1,305314E+22	1,542442E+22	1,542443E+22	1,305330E+22	9,366276E+21	5,585562E+21	2,724375E+21	1,315138E+21	1,315174E+21	2,724544E+21	5,585922E+21
-2234	9,366548E+21	1,305316E+22	1,542384E+22	1,542360E+22	1,305266E+22	9,365993E+21	5,585490E+21	2,724390E+21	1,315226E+21	1,315312E+21	2,724599E+21	5,585648E+21
-2233	9,365911E+21	1,305238E+22	1,542337E+22	1,542363E+22	1,305295E+22	9,366404E+21	5,585964E+21	2,724803E+21	1,315478E+21	1,315410E+21	2,724580E+21	5,585662E+21
-2232	9,366254E+21	1,305301E+22	1,542372E+22	1,542346E+22	1,305247E+22	9,365843E+21	5,585560E+21	2,724664E+21	1,315548E+21	1,315630E+21	2,724964E+21	5,586098E+21
-2231	9,366419E+21	1,305272E+22	1,542304E+22	1,542282E+22	1,305227E+22	9,365987E+21	5,585781E+21	2,724829E+21	1,315651E+21	1,315665E+21	2,724798E+21	5,585557E+21
-2230	9,365562E+21	1,305206E+22	1,542311E+22	1,542330E+22	1,305267E+22	9,366296E+21	5,586091E+21	2,725100E+21	1,315810E+21	1,315736E+21	2,724881E+21	5,585864E+21
-2229	9,366223E+21	1,305265E+22	1,542327E+22	1,542314E+22	1,305231E+22	9,365798E+21	5,585622E+21	2,724812E+21	1,315730E+21	1,315820E+21	2,725098E+21	5,585989E+21
-2228	9,365962E+21	1,305203E+22	1,542256E+22	1,542283E+22	1,305254E+22	9,366282E+21	5,586016E+21	2,724978E+21	1,315709E+21	1,315652E+21	2,724766E+21	5,585596E+21
-2227	9,365678E+21	1,305214E+22	1,542306E+22	1,542319E+22	1,305261E+22	9,366209E+21	5,585909E+21	2,724888E+21	1,315639E+21	1,315618E+21	2,724873E+21	5,586061E+21
-2226	9,366525E+21	1,305285E+22	1,542327E+22	1,542296E+22	1,305220E+22	9,365828E+21	5,585579E+21	2,724597E+21	1,315436E+21	1,315501E+21	2,724746E+21	5,585698E+21
-2225	9,365934E+21	1,305238E+22	1,542327E+22	1,542351E+22	1,305286E+22	9,366346E+21	5,585928E+21	2,724749E+21	1,315390E+21	1,315287E+21	2,724417E+21	5,585449E+21
-2224	9,366071E+21	1,305313E+22	1,542419E+22	1,542402E+22	1,305288E+22	9,365980E+21	5,585454E+21	2,724405E+21	1,315214E+21	1,315256E+21	2,724615E+21	5,585937E+21
-2223	9,366537E+21	1,305321E+22	1,542400E+22	1,542382E+22	1,305286E+22	9,366063E+21	5,585421E+21	2,724240E+21	1,315037E+21	1,315083E+21	2,724330E+21	5,585416E+21
-2222	9,365832E+21	1,305264E+22	1,542408E+22	1,542443E+22	1,305348E+22	9,366559E+21	5,585784E+21	2,724426E+21	1,315045E+21	1,314968E+21	2,724199E+21	5,585533E+21
-2221	9,366508E+21	1,305356E+22	1,542457E+22	1,542447E+22	1,305324E+22	9,366099E+21	5,585318E+21	2,724121E+21	1,314934E+21	1,315016E+21	2,724398E+21	5,585727E+21
-2220	9,366431E+21	1,305326E+22	1,542409E+22	1,542406E+22	1,305324E+22	9,366425E+21	5,585646E+21	2,724291E+21	1,314967E+21	1,314933E+21	2,724131E+21	5,585270E+21
-2219	9,365841E+21	1,305288E+22	1,542429E+22	1,542436E+22	1,305332E+22	9,366444E+21	5,585757E+21	2,724474E+21	1,315132E+21	1,315085E+21	2,724341E+21	5,585677E+21
-2218	9,366531E+21	1,305338E+22	1,542426E+22	1,542398E+22	1,305276E+22	9,365908E+21	5,585385E+21	2,724310E+21	1,315158E+21	1,315257E+21	2,724576E+21	5,585650E+21
-2217	9,365996E+21	1,305251E+22	1,542344E+22	1,542371E+22	1,305302E+22	9,366366E+21	5,585849E+21	2,724678E+21	1,315375E+21	1,315326E+21	2,724497E+21	5,585478E+21
-2216	9,365866E+21	1,305267E+22	1,542365E+22	1,542360E+22	1,305272E+22	9,366057E+21	5,585668E+21	2,724685E+21	1,315511E+21	1,315557E+21	2,724891E+21	5,586119E+21
-2215	9,366524E+21	1,305280E+22	1,542315E+22	1,542282E+22	1,305213E+22	9,365805E+21	5,585603E+21	2,724703E+21	1,315603E+21	1,315695E+21	2,724924E+21	5,585773E+21
-2214	9,365747E+21	1,305189E+22	1,542263E+22	1,542283E+22	1,305241E+22	9,366261E+21	5,586154E+21	2,725177E+21	1,315885E+21	1,315802E+21	2,724894E+21	5,585745E+21
-2213	9,366038E+21	1,305249E+22	1,542301E+22	1,542282E+22	1,305208E+22	9,365745E+21	5,585765E+21	2,725059E+21	1,315978E+21	1,316041E+21	2,725290E+21	5,586150E+21
-2212	9,366088E+21	1,305210E+22	1,542235E+22	1,542223E+22	1,305190E+22	9,365897E+21	5,585966E+21	2,725199E+21	1,316063E+21	1,316066E+21	2,725159E+21	5,585750E+21
-2211	9,365366E+21	1,305131E+22	1,542210E+22	1,542244E+22	1,305216E+22	9,366141E+21	5,586208E+21	2,725406E+21	1,316182E+21	1,316119E+21	2,725232E+21	5,586051E+21
-2210	9,366128E+21	1,305212E+22	1,542235E+22	1,542220E+22	1,305169E+22	9,365626E+21	5,585762E+21	2,725095E+21	1,316051E+21	1,316149E+21	2,725399E+21	5,586147E+21
-2209	9,365879E+21	1,305164E+22	1,542186E+22	1,542203E+22	1,305197E+22	9,366085E+21	5,586127E+21	2,725248E+21	1,316017E+21	1,315960E+21	2,725030E+21	5,585707E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,365610E+21	1,305191E+22	1,542260E+22	1,542256E+22	1,305205E+22	9,365953E+21	5,585968E+21	2,725130E+21	1,315924E+21	1,315900E+21	2,725106E+21	5,586136E+21
-2207	9,366424E+21	1,305259E+22	1,542289E+22	1,542254E+22	1,305182E+22	9,365620E+21	5,585598E+21	2,724802E+21	1,315714E+21	1,315792E+21	2,724999E+21	5,585770E+21
-2206	9,365721E+21	1,305189E+22	1,542268E+22	1,542302E+22	1,305256E+22	9,366247E+21	5,586011E+21	2,724974E+21	1,315668E+21	1,315576E+21	2,724679E+21	5,585565E+21
-2205	9,365935E+21	1,305267E+22	1,542354E+22	1,542352E+22	1,305266E+22	9,365973E+21	5,585603E+21	2,724660E+21	1,315504E+21	1,315544E+21	2,724861E+21	5,586029E+21
-2204	9,366377E+21	1,305278E+22	1,542341E+22	1,542328E+22	1,305254E+22	9,366031E+21	5,585604E+21	2,724530E+21	1,315340E+21	1,315370E+21	2,724582E+21	5,585575E+21
-2203	9,365764E+21	1,305215E+22	1,542326E+22	1,542363E+22	1,305298E+22	9,366422E+21	5,585937E+21	2,724736E+21	1,315385E+21	1,315298E+21	2,724467E+21	5,585616E+21
-2202	9,366386E+21	1,305319E+22	1,542390E+22	1,542365E+22	1,305260E+22	9,365911E+21	5,585497E+21	2,724464E+21	1,315302E+21	1,315377E+21	2,724698E+21	5,585795E+21
-2201	9,366180E+21	1,305274E+22	1,542344E+22	1,542338E+22	1,305269E+22	9,366201E+21	5,585777E+21	2,724641E+21	1,315372E+21	1,315344E+21	2,724495E+21	5,585396E+21
-2200	9,365623E+21	1,305236E+22	1,542356E+22	1,542365E+22	1,305280E+22	9,366205E+21	5,585833E+21	2,724785E+21	1,315522E+21	1,315493E+21	2,724726E+21	5,585880E+21
-2199	9,366403E+21	1,305285E+22	1,542345E+22	1,542320E+22	1,305226E+22	9,365713E+21	5,585454E+21	2,724591E+21	1,315534E+21	1,315659E+21	2,724956E+21	5,585860E+21
-2198	9,365863E+21	1,305191E+22	1,542249E+22	1,542281E+22	1,305246E+22	9,366219E+21	5,586006E+21	2,725011E+21	1,315760E+21	1,315713E+21	2,724838E+21	5,585659E+21
-2197	9,365812E+21	1,305224E+22	1,542285E+22	1,542281E+22	1,305223E+22	9,365937E+21	5,585871E+21	2,725070E+21	1,315927E+21	1,315949E+21	2,725196E+21	5,586196E+21
-2196	9,366319E+21	1,305236E+22	1,542254E+22	1,542215E+22	1,305162E+22	9,365657E+21	5,585811E+21	2,725109E+21	1,316036E+21	1,316099E+21	2,725252E+21	5,585895E+21
-2195	9,365515E+21	1,305124E+22	1,542178E+22	1,542208E+22	1,305190E+22	9,366068E+21	5,586301E+21	2,725551E+21	1,316320E+21	1,316236E+21	2,725262E+21	5,585859E+21
-2194	9,365798E+21	1,305190E+22	1,542217E+22	1,542200E+22	1,305153E+22	9,365596E+21	5,585929E+21	2,725398E+21	1,316372E+21	1,316448E+21	2,725662E+21	5,586303E+21
-2193	9,365845E+21	1,305145E+22	1,542149E+22	1,542144E+22	1,305141E+22	9,365768E+21	5,586114E+21	2,725507E+21	1,316424E+21	1,316444E+21	2,725511E+21	5,585939E+21
-2192	9,365279E+21	1,305087E+22	1,542131E+22	1,542163E+22	1,305163E+22	9,365951E+21	5,586305E+21	2,725668E+21	1,316492E+21	1,316438E+21	2,725525E+21	5,586220E+21
-2191	9,366110E+21	1,305182E+22	1,542170E+22	1,542145E+22	1,305117E+22	9,365427E+21	5,585827E+21	2,725334E+21	1,316345E+21	1,316445E+21	2,725647E+21	5,586239E+21
-2190	9,365747E+21	1,305127E+22	1,542126E+22	1,542136E+22	1,305146E+22	9,365903E+21	5,586240E+21	2,725523E+21	1,316323E+21	1,316255E+21	2,725271E+21	5,585780E+21
-2189	9,365465E+21	1,305154E+22	1,542210E+22	1,542212E+22	1,305173E+22	9,365802E+21	5,586081E+21	2,725418E+21	1,316247E+21	1,316207E+21	2,725354E+21	5,586185E+21
-2188	9,366179E+21	1,305214E+22	1,542239E+22	1,542214E+22	1,305156E+22	9,365535E+21	5,585716E+21	2,725072E+21	1,316022E+21	1,316093E+21	2,725279E+21	5,585945E+21
-2187	9,365592E+21	1,305134E+22	1,542188E+22	1,542235E+22	1,305218E+22	9,366139E+21	5,586112E+21	2,725219E+21	1,315967E+21	1,315884E+21	2,724957E+21	5,585710E+21
-2186	9,365863E+21	1,305229E+22	1,542282E+22	1,542274E+22	1,305216E+22	9,365872E+21	5,585770E+21	2,724928E+21	1,315795E+21	1,315836E+21	2,725109E+21	5,586120E+21
-2185	9,366244E+21	1,305241E+22	1,542281E+22	1,542261E+22	1,305206E+22	9,365893E+21	5,585755E+21	2,724827E+21	1,315666E+21	1,315689E+21	2,724840E+21	5,585644E+21
-2184	9,365633E+21	1,305184E+22	1,542271E+22	1,542299E+22	1,305246E+22	9,366196E+21	5,586034E+21	2,725030E+21	1,315726E+21	1,315638E+21	2,724752E+21	5,585695E+21
-2183	9,366180E+21	1,305275E+22	1,542330E+22	1,542309E+22	1,305218E+22	9,365698E+21	5,585551E+21	2,724742E+21	1,315659E+21	1,315747E+21	2,725026E+21	5,585913E+21
-2182	9,365924E+21	1,305211E+22	1,542261E+22	1,542267E+22	1,305225E+22	9,366057E+21	5,585898E+21	2,724948E+21	1,315742E+21	1,315730E+21	2,724860E+21	5,585594E+21
-2181	9,365479E+21	1,305177E+22	1,542269E+22	1,542291E+22	1,305236E+22	9,366091E+21	5,586003E+21	2,725125E+21	1,315907E+21	1,315876E+21	2,725067E+21	5,586048E+21
-2180	9,366259E+21	1,305236E+22	1,542267E+22	1,542244E+22	1,305177E+22	9,365600E+21	5,585650E+21	2,724955E+21	1,315927E+21	1,316041E+21	2,725301E+21	5,586084E+21
-2179	9,365804E+21	1,305141E+22	1,542157E+22	1,542184E+22	1,305182E+22	9,366013E+21	5,586166E+21	2,725381E+21	1,316181E+21	1,316128E+21	2,725179E+21	5,585778E+21
-2178	9,365663E+21	1,305181E+22	1,542211E+22	1,542192E+22	1,305155E+22	9,365730E+21	5,586067E+21	2,725461E+21	1,316361E+21	1,316377E+21	2,725548E+21	5,586286E+21
-2177	9,366034E+21	1,305178E+22	1,542182E+22	1,542148E+22	1,305111E+22	9,365448E+21	5,585954E+21	2,725488E+21	1,316481E+21	1,316548E+21	2,725644E+21	5,586039E+21
-2176	9,365297E+21	1,305068E+22	1,542093E+22	1,542130E+22	1,305140E+22	9,365865E+21	5,586397E+21	2,725870E+21	1,316715E+21	1,316647E+21	2,725647E+21	5,586057E+21
-2175	9,365634E+21	1,305134E+22	1,542131E+22	1,542120E+22	1,305105E+22	9,365432E+21	5,586017E+21	2,725676E+21	1,316723E+21	1,316812E+21	2,725991E+21	5,586475E+21
-2174	9,365707E+21	1,305089E+22	1,542058E+22	1,542056E+22	1,305085E+22	9,365625E+21	5,586274E+21	2,725812E+21	1,316758E+21	1,316772E+21	2,725794E+21	5,586077E+21
-2173	9,365204E+21	1,305049E+22	1,542062E+22	1,542091E+22	1,305114E+22	9,365799E+21	5,586473E+21	2,725993E+21	1,316831E+21	1,316749E+21	2,725758E+21	5,586261E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2172	9,365909E+21	1,305148E+22	1,542124E+22	1,542094E+22	1,305076E+22	9,365277E+21	5,585972E+21	2,725650E+21	1,316681E+21	1,316757E+21	2,725907E+21	5,586348E+21
-2171	9,365563E+21	1,305077E+22	1,542059E+22	1,542077E+22	1,305106E+22	9,365715E+21	5,586312E+21	2,725792E+21	1,316653E+21	1,316589E+21	2,725559E+21	5,585884E+21
-2170	9,365298E+21	1,305113E+22	1,542148E+22	1,542149E+22	1,305133E+22	9,365695E+21	5,586198E+21	2,725668E+21	1,316547E+21	1,316519E+21	2,725640E+21	5,586319E+21
-2169	9,366002E+21	1,305166E+22	1,542177E+22	1,542160E+22	1,305123E+22	9,365441E+21	5,585835E+21	2,725322E+21	1,316314E+21	1,316395E+21	2,725550E+21	5,586087E+21
-2168	9,365543E+21	1,305102E+22	1,542124E+22	1,542170E+22	1,305176E+22	9,365998E+21	5,586211E+21	2,725456E+21	1,316242E+21	1,316165E+21	2,725209E+21	5,585833E+21
-2167	9,365783E+21	1,305200E+22	1,542226E+22	1,542211E+22	1,305171E+22	9,365718E+21	5,585859E+21	2,725179E+21	1,316092E+21	1,316128E+21	2,725341E+21	5,586166E+21
-2166	9,366021E+21	1,305196E+22	1,542218E+22	1,542195E+22	1,305159E+22	9,365740E+21	5,585903E+21	2,725136E+21	1,316005E+21	1,316024E+21	2,725124E+21	5,585736E+21
-2165	9,365427E+21	1,305134E+22	1,542203E+22	1,542243E+22	1,305208E+22	9,366041E+21	5,586168E+21	2,725361E+21	1,316102E+21	1,316007E+21	2,725073E+21	5,585815E+21
-2164	9,365929E+21	1,305217E+22	1,542254E+22	1,542244E+22	1,305179E+22	9,365578E+21	5,585687E+21	2,725063E+21	1,316033E+21	1,316123E+21	2,725389E+21	5,586163E+21
-2163	9,365809E+21	1,305148E+22	1,542159E+22	1,542173E+22	1,305168E+22	9,365863E+21	5,586012E+21	2,725261E+21	1,316124E+21	1,316123E+21	2,725219E+21	5,585805E+21
-2162	9,365440E+21	1,305138E+22	1,542186E+22	1,542192E+22	1,305168E+22	9,365889E+21	5,586169E+21	2,725464E+21	1,316292E+21	1,316260E+21	2,725395E+21	5,586190E+21
-2161	9,366121E+21	1,305194E+22	1,542198E+22	1,542166E+22	1,305118E+22	9,365388E+21	5,585812E+21	2,725327E+21	1,316345E+21	1,316448E+21	2,725627E+21	5,586181E+21
-2160	9,365650E+21	1,305105E+22	1,542093E+22	1,542112E+22	1,305126E+22	9,365769E+21	5,586282E+21	2,725730E+21	1,316594E+21	1,316545E+21	2,725533E+21	5,585890E+21
-2159	9,365420E+21	1,305130E+22	1,542141E+22	1,542127E+22	1,305112E+22	9,365541E+21	5,586155E+21	2,725786E+21	1,316767E+21	1,316790E+21	2,725901E+21	5,586395E+21
-2158	9,365733E+21	1,305109E+22	1,542091E+22	1,542070E+22	1,305069E+22	9,365360E+21	5,586126E+21	2,725829E+21	1,316875E+21	1,316950E+21	2,726012E+21	5,586223E+21
-2157	9,365122E+21	1,305005E+22	1,542002E+22	1,542054E+22	1,305096E+22	9,365770E+21	5,586589E+21	2,726221E+21	1,317097E+21	1,317018E+21	2,725967E+21	5,586207E+21
-2156	9,365459E+21	1,305080E+22	1,542049E+22	1,542042E+22	1,305057E+22	9,365325E+21	5,586210E+21	2,726024E+21	1,317086E+21	1,317156E+21	2,726295E+21	5,586658E+21
-2155	9,365612E+21	1,305041E+22	1,541973E+22	1,541963E+22	1,305023E+22	9,365408E+21	5,586410E+21	2,726145E+21	1,317130E+21	1,317132E+21	2,726090E+21	5,586184E+21
-2154	9,365069E+21	1,305015E+22	1,542002E+22	1,542014E+22	1,305050E+22	9,365568E+21	5,586607E+21	2,726312E+21	1,317193E+21	1,317107E+21	2,726059E+21	5,586352E+21
-2153	9,365674E+21	1,305100E+22	1,542068E+22	1,542043E+22	1,305037E+22	9,365088E+21	5,586056E+21	2,725938E+21	1,317034E+21	1,317118E+21	2,726226E+21	5,586491E+21
-2152	9,365447E+21	1,305039E+22	1,541995E+22	1,542017E+22	1,305069E+22	9,365547E+21	5,586347E+21	2,726006E+21	1,316946E+21	1,316907E+21	2,725866E+21	5,586068E+21
-2151	9,365220E+21	1,305074E+22	1,542085E+22	1,542089E+22	1,305098E+22	9,365575E+21	5,586246E+21	2,725866E+21	1,316809E+21	1,316790E+21	2,725874E+21	5,586436E+21
-2150	9,365900E+21	1,305126E+22	1,542109E+22	1,542094E+22	1,305085E+22	9,365362E+21	5,585979E+21	2,725574E+21	1,316586E+21	1,316658E+21	2,725766E+21	5,586175E+21
-2149	9,365443E+21	1,305069E+22	1,542068E+22	1,542113E+22	1,305137E+22	9,365885E+21	5,586374E+21	2,725757E+21	1,316550E+21	1,316447E+21	2,725414E+21	5,585848E+21
-2148	9,365520E+21	1,305156E+22	1,542176E+22	1,542163E+22	1,305137E+22	9,365608E+21	5,586015E+21	2,725493E+21	1,316425E+21	1,316446E+21	2,725614E+21	5,586275E+21
-2147	9,365793E+21	1,305138E+22	1,542137E+22	1,542122E+22	1,305112E+22	9,365555E+21	5,585999E+21	2,725433E+21	1,316365E+21	1,316394E+21	2,725457E+21	5,585884E+21
-2146	9,365252E+21	1,305084E+22	1,542124E+22	1,542157E+22	1,305153E+22	9,365885E+21	5,586300E+21	2,725656E+21	1,316459E+21	1,316381E+21	2,725421E+21	5,586005E+21
-2145	9,365782E+21	1,305164E+22	1,542177E+22	1,542168E+22	1,305129E+22	9,365412E+21	5,585817E+21	2,725376E+21	1,316403E+21	1,316503E+21	2,725727E+21	5,586363E+21
-2144	9,365812E+21	1,305115E+22	1,542082E+22	1,542087E+22	1,305109E+22	9,365630E+21	5,586104E+21	2,725561E+21	1,316488E+21	1,316495E+21	2,725544E+21	5,585966E+21
-2143	9,365364E+21	1,305106E+22	1,542123E+22	1,542116E+22	1,305112E+22	9,365664E+21	5,586266E+21	2,725789E+21	1,316679E+21	1,316638E+21	2,725688E+21	5,586254E+21
-2142	9,365866E+21	1,305142E+22	1,542129E+22	1,542097E+22	1,305068E+22	9,365216E+21	5,585988E+21	2,725711E+21	1,316772E+21	1,316867E+21	2,725975E+21	5,586280E+21
-2141	9,365363E+21	1,305041E+22	1,542016E+22	1,542050E+22	1,305087E+22	9,365638E+21	5,586464E+21	2,726128E+21	1,317039E+21	1,316980E+21	2,725905E+21	5,586018E+21
-2140	9,365093E+21	1,305057E+22	1,542052E+22	1,542054E+22	1,305074E+22	9,365480E+21	5,586355E+21	2,726161E+21	1,317187E+21	1,317211E+21	2,726291E+21	5,586620E+21
-2139	9,365552E+21	1,305036E+22	1,541978E+22	1,541965E+22	1,305008E+22	9,365206E+21	5,586298E+21	2,726189E+21	1,317286E+21	1,317365E+21	2,726380E+21	5,586420E+21
-2138	9,365045E+21	1,304960E+22	1,541912E+22	1,541946E+22	1,305025E+22	9,365581E+21	5,586770E+21	2,726573E+21	1,317489E+21	1,317403E+21	2,726293E+21	5,586350E+21
-2137	9,365317E+21	1,305036E+22	1,541980E+22	1,541963E+22	1,304997E+22	9,365092E+21	5,586345E+21	2,726371E+21	1,317478E+21	1,317537E+21	2,726600E+21	5,586768E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,365512E+21	1,305009E+22	1,541914E+22	1,541898E+22	1,304969E+22	9,365129E+21	5,586454E+21	2,726422E+21	1,317479E+21	1,317494E+21	2,726411E+21	5,586321E+21
-2135	9,364924E+21	1,304977E+22	1,541950E+22	1,541963E+22	1,305014E+22	9,365364E+21	5,586618E+21	2,726539E+21	1,317502E+21	1,317429E+21	2,726343E+21	5,586467E+21
-2134	9,365476E+21	1,305048E+22	1,542001E+22	1,541987E+22	1,305008E+22	9,365036E+21	5,586179E+21	2,726179E+21	1,317318E+21	1,317413E+21	2,726499E+21	5,586638E+21
-2133	9,365340E+21	1,304996E+22	1,541935E+22	1,541968E+22	1,305042E+22	9,365511E+21	5,586502E+21	2,726262E+21	1,317220E+21	1,317171E+21	2,726087E+21	5,586165E+21
-2132	9,365091E+21	1,305035E+22	1,542025E+22	1,542032E+22	1,305067E+22	9,365550E+21	5,586422E+21	2,726138E+21	1,317084E+21	1,317048E+21	2,726083E+21	5,586514E+21
-2131	9,365748E+21	1,305081E+22	1,542037E+22	1,542016E+22	1,305034E+22	9,365219E+21	5,586123E+21	2,725871E+21	1,316908E+21	1,316966E+21	2,726006E+21	5,586226E+21
-2130	9,365260E+21	1,305032E+22	1,542010E+22	1,542038E+22	1,305081E+22	9,365688E+21	5,586503E+21	2,726062E+21	1,316898E+21	1,316793E+21	2,725711E+21	5,585943E+21
-2129	9,365265E+21	1,305098E+22	1,542107E+22	1,542101E+22	1,305095E+22	9,365419E+21	5,586106E+21	2,725794E+21	1,316790E+21	1,316821E+21	2,725949E+21	5,586447E+21
-2128	9,365704E+21	1,305093E+22	1,542059E+22	1,542044E+22	1,305062E+22	9,365339E+21	5,586041E+21	2,725679E+21	1,316697E+21	1,316756E+21	2,725814E+21	5,586119E+21
-2127	9,365222E+21	1,305045E+22	1,542054E+22	1,542080E+22	1,305100E+22	9,365659E+21	5,586342E+21	2,725902E+21	1,316781E+21	1,316712E+21	2,725708E+21	5,586149E+21
-2126	9,365690E+21	1,305123E+22	1,542105E+22	1,542090E+22	1,305079E+22	9,365271E+21	5,585975E+21	2,725696E+21	1,316757E+21	1,316849E+21	2,726010E+21	5,586466E+21
-2125	9,365676E+21	1,305077E+22	1,542027E+22	1,542027E+22	1,305064E+22	9,365476E+21	5,586275E+21	2,725927E+21	1,316886E+21	1,316871E+21	2,725831E+21	5,586012E+21
-2124	9,365069E+21	1,305051E+22	1,542060E+22	1,542061E+22	1,305077E+22	9,365570E+21	5,586455E+21	2,726169E+21	1,317098E+21	1,317049E+21	2,726037E+21	5,586365E+21
-2123	9,365560E+21	1,305068E+22	1,542032E+22	1,542012E+22	1,305022E+22	9,365094E+21	5,586158E+21	2,726093E+21	1,317216E+21	1,317318E+21	2,726376E+21	5,586453E+21
-2122	9,365135E+21	1,304976E+22	1,541920E+22	1,541949E+22	1,305027E+22	9,365527E+21	5,586669E+21	2,726502E+21	1,317471E+21	1,317422E+21	2,726312E+21	5,586235E+21
-2121	9,364906E+21	1,304987E+22	1,541954E+22	1,541962E+22	1,305017E+22	9,365328E+21	5,586541E+21	2,726536E+21	1,317610E+21	1,317636E+21	2,726664E+21	5,586830E+21
-2120	9,365543E+21	1,304996E+22	1,541888E+22	1,541863E+22	1,304939E+22	9,364948E+21	5,586404E+21	2,726513E+21	1,317672E+21	1,317761E+21	2,726736E+21	5,586606E+21
-2119	9,364987E+21	1,304928E+22	1,541849E+22	1,541864E+22	1,304960E+22	9,365279E+21	5,586825E+21	2,726874E+21	1,317857E+21	1,317766E+21	2,726589E+21	5,586443E+21
-2118	9,365131E+21	1,304991E+22	1,541920E+22	1,541900E+22	1,304950E+22	9,364892E+21	5,586457E+21	2,726687E+21	1,317844E+21	1,317904E+21	2,726919E+21	5,586893E+21
-2117	9,365327E+21	1,304960E+22	1,541857E+22	1,541850E+22	1,304937E+22	9,364991E+21	5,586555E+21	2,726711E+21	1,317821E+21	1,317831E+21	2,726704E+21	5,586441E+21
-2116	9,364721E+21	1,304924E+22	1,541886E+22	1,541911E+22	1,304990E+22	9,365347E+21	5,586764E+21	2,726801E+21	1,317800E+21	1,317729E+21	2,726618E+21	5,586614E+21
-2115	9,365355E+21	1,304996E+22	1,541918E+22	1,541907E+22	1,304964E+22	9,364956E+21	5,586334E+21	2,726454E+21	1,317619E+21	1,317706E+21	2,726739E+21	5,586728E+21
-2114	9,365239E+21	1,304962E+22	1,541870E+22	1,541883E+22	1,304987E+22	9,365411E+21	5,586678E+21	2,726552E+21	1,317527E+21	1,317463E+21	2,726312E+21	5,586213E+21
-2113	9,364885E+21	1,304989E+22	1,541969E+22	1,541972E+22	1,305023E+22	9,365401E+21	5,586565E+21	2,726444E+21	1,317419E+21	1,317370E+21	2,726326E+21	5,586557E+21
-2112	9,365598E+21	1,305043E+22	1,541977E+22	1,541953E+22	1,304985E+22	9,364980E+21	5,586168E+21	2,726123E+21	1,317228E+21	1,317303E+21	2,726314E+21	5,586354E+21
-2111	9,365106E+21	1,304989E+22	1,541951E+22	1,541978E+22	1,305038E+22	9,365460E+21	5,586508E+21	2,726283E+21	1,317203E+21	1,317113E+21	2,726007E+21	5,586088E+21
-2110	9,365114E+21	1,305046E+22	1,542036E+22	1,542034E+22	1,305054E+22	9,365303E+21	5,586218E+21	2,726053E+21	1,317100E+21	1,317146E+21	2,726258E+21	5,586634E+21
-2109	9,365641E+21	1,305049E+22	1,541996E+22	1,541985E+22	1,305022E+22	9,365214E+21	5,586174E+21	2,725966E+21	1,317020E+21	1,317074E+21	2,726089E+21	5,586252E+21
-2108	9,365126E+21	1,305007E+22	1,541993E+22	1,542016E+22	1,305061E+22	9,365586E+21	5,586517E+21	2,726219E+21	1,317125E+21	1,317050E+21	2,725992E+21	5,586245E+21
-2107	9,365511E+21	1,305074E+22	1,542029E+22	1,542007E+22	1,305023E+22	9,365120E+21	5,586160E+21	2,726069E+21	1,317169E+21	1,317249E+21	2,726332E+21	5,586540E+21
-2106	9,365433E+21	1,305026E+22	1,541956E+22	1,541945E+22	1,305008E+22	9,365327E+21	5,586463E+21	2,726319E+21	1,317334E+21	1,317320E+21	2,726220E+21	5,586148E+21
-2105	9,364769E+21	1,304974E+22	1,541969E+22	1,541985E+22	1,305032E+22	9,365440E+21	5,586625E+21	2,726559E+21	1,317557E+21	1,317516E+21	2,726449E+21	5,586560E+21
-2104	9,365424E+21	1,305006E+22	1,541929E+22	1,541913E+22	1,304961E+22	9,364893E+21	5,586277E+21	2,726428E+21	1,317633E+21	1,317758E+21	2,726799E+21	5,586717E+21
-2103	9,365088E+21	1,304927E+22	1,541832E+22	1,541851E+22	1,304958E+22	9,365254E+21	5,586758E+21	2,726822E+21	1,317856E+21	1,317809E+21	2,726650E+21	5,586407E+21
-2102	9,364815E+21	1,304939E+22	1,541871E+22	1,541869E+22	1,304952E+22	9,365125E+21	5,586705E+21	2,726890E+21	1,317997E+21	1,318013E+21	2,726977E+21	5,586947E+21
-2101	9,365404E+21	1,304956E+22	1,541833E+22	1,541801E+22	1,304886E+22	9,364730E+21	5,586541E+21	2,726861E+21	1,318059E+21	1,318129E+21	2,727030E+21	5,586680E+21

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	9,364766E+21	1,304881E+22	1,541793E+22	1,541814E+22	1,304925E+22	9,365147E+21	5,586947E+21	2,727182E+21	1,318216E+21	1,318129E+21	2,726904E+21	5,586542E+21
-2099	9,364882E+21	1,304930E+22	1,541839E+22	1,541828E+22	1,304910E+22	9,364798E+21	5,586596E+21	2,726993E+21	1,318205E+21	1,318266E+21	2,727237E+21	5,587025E+21
-2098	9,365152E+21	1,304910E+22	1,541786E+22	1,541776E+22	1,304895E+22	9,364941E+21	5,586722E+21	2,727002E+21	1,318155E+21	1,318169E+21	2,727004E+21	5,586588E+21
-2097	9,364570E+21	1,304868E+22	1,541810E+22	1,541845E+22	1,304951E+22	9,365273E+21	5,586934E+21	2,727100E+21	1,318125E+21	1,318045E+21	2,726869E+21	5,586712E+21
-2096	9,365311E+21	1,304963E+22	1,541847E+22	1,541828E+22	1,304911E+22	9,364781E+21	5,586439E+21	2,726717E+21	1,317920E+21	1,318008E+21	2,726996E+21	5,586822E+21
-2095	9,365126E+21	1,304931E+22	1,541821E+22	1,541819E+22	1,304930E+22	9,365137E+21	5,586729E+21	2,726805E+21	1,317827E+21	1,317758E+21	2,726553E+21	5,586266E+21
-2094	9,364664E+21	1,304939E+22	1,541908E+22	1,541915E+22	1,304981E+22	9,365225E+21	5,586659E+21	2,726714E+21	1,317736E+21	1,317695E+21	2,726625E+21	5,586679E+21
-2093	9,365409E+21	1,304992E+22	1,541919E+22	1,541905E+22	1,304952E+22	9,364838E+21	5,586243E+21	2,726373E+21	1,317536E+21	1,317620E+21	2,726616E+21	5,586522E+21
-2092	9,364995E+21	1,304942E+22	1,541885E+22	1,541921E+22	1,305006E+22	9,365385E+21	5,586612E+21	2,726516E+21	1,317490E+21	1,317420E+21	2,726304E+21	5,586268E+21
-2091	9,365057E+21	1,305001E+22	1,541954E+22	1,541951E+22	1,305003E+22	9,365175E+21	5,586366E+21	2,726347E+21	1,317430E+21	1,317470E+21	2,726532E+21	5,586759E+21
-2090	9,365575E+21	1,305019E+22	1,541934E+22	1,541903E+22	1,304965E+22	9,365082E+21	5,586346E+21	2,726299E+21	1,317387E+21	1,317428E+21	2,726371E+21	5,586328E+21
-2089	9,364915E+21	1,304957E+22	1,541931E+22	1,541954E+22	1,305015E+22	9,365441E+21	5,586698E+21	2,726593E+21	1,317539E+21	1,317452E+21	2,726304E+21	5,586312E+21
-2088	9,365319E+21	1,305023E+22	1,541953E+22	1,541933E+22	1,304972E+22	9,364921E+21	5,586276E+21	2,726408E+21	1,317581E+21	1,317677E+21	2,726718E+21	5,586697E+21
-2087	9,365218E+21	1,304968E+22	1,541876E+22	1,541867E+22	1,304955E+22	9,365115E+21	5,586562E+21	2,726644E+21	1,317733E+21	1,317731E+21	2,726597E+21	5,586330E+21
-2086	9,364581E+21	1,304907E+22	1,541873E+22	1,541898E+22	1,304980E+22	9,365326E+21	5,586812E+21	2,726912E+21	1,317957E+21	1,317927E+21	2,726832E+21	5,586770E+21
-2085	9,365311E+21	1,304951E+22	1,541846E+22	1,541830E+22	1,304904E+22	9,364719E+21	5,586445E+21	2,726787E+21	1,318028E+21	1,318142E+21	2,727129E+21	5,586872E+21
-2084	9,364977E+21	1,304883E+22	1,541756E+22	1,541769E+22	1,304903E+22	9,365090E+21	5,586925E+21	2,727174E+21	1,318246E+21	1,318193E+21	2,726973E+21	5,586513E+21
-2083	9,364628E+21	1,304889E+22	1,541792E+22	1,541781E+22	1,304886E+22	9,364884E+21	5,586865E+21	2,727277E+21	1,318427E+21	1,318427E+21	2,727316E+21	5,587039E+21
-2082	9,365167E+21	1,304904E+22	1,541763E+22	1,541725E+22	1,304833E+22	9,364553E+21	5,586684E+21	2,727227E+21	1,318487E+21	1,318555E+21	2,727399E+21	5,586816E+21
-2081	9,364500E+21	1,304814E+22	1,541713E+22	1,541750E+22	1,304889E+22	9,365051E+21	5,587094E+21	2,727517E+21	1,318616E+21	1,318534E+21	2,727255E+21	5,586714E+21
-2080	9,364789E+21	1,304880E+22	1,541752E+22	1,541745E+22	1,304861E+22	9,364660E+21	5,586709E+21	2,727269E+21	1,318543E+21	1,318620E+21	2,727566E+21	5,587211E+21
-2079	9,365094E+21	1,304871E+22	1,541717E+22	1,541700E+22	1,304841E+22	9,364734E+21	5,586811E+21	2,727259E+21	1,318453E+21	1,318460E+21	2,727244E+21	5,586680E+21
-2078	9,364456E+21	1,304827E+22	1,541743E+22	1,541775E+22	1,304904E+22	9,365136E+21	5,587078E+21	2,727382E+21	1,318427E+21	1,318338E+21	2,727107E+21	5,586765E+21
-2077	9,365108E+21	1,304923E+22	1,541802E+22	1,541783E+22	1,304870E+22	9,364600E+21	5,586539E+21	2,726987E+21	1,318221E+21	1,318296E+21	2,727234E+21	5,586879E+21
-2076	9,364916E+21	1,304888E+22	1,541770E+22	1,541776E+22	1,304902E+22	9,365019E+21	5,586811E+21	2,727037E+21	1,318111E+21	1,318058E+21	2,726838E+21	5,586381E+21
-2075	9,364476E+21	1,304887E+22	1,541831E+22	1,541845E+22	1,304938E+22	9,365108E+21	5,586774E+21	2,726973E+21	1,318042E+21	1,318010E+21	2,726923E+21	5,586842E+21
-2074	9,365314E+21	1,304952E+22	1,541851E+22	1,541832E+22	1,304909E+22	9,364760E+21	5,586385E+21	2,726643E+21	1,317849E+21	1,317938E+21	2,726908E+21	5,586696E+21
-2073	9,364926E+21	1,304898E+22	1,541815E+22	1,541855E+22	1,304966E+22	9,365288E+21	5,586765E+21	2,726813E+21	1,317822E+21	1,317746E+21	2,726565E+21	5,586384E+21
-2072	9,365041E+21	1,304972E+22	1,541887E+22	1,541872E+22	1,304947E+22	9,364987E+21	5,586486E+21	2,726645E+21	1,317775E+21	1,317814E+21	2,726821E+21	5,586858E+21
-2071	9,365436E+21	1,304985E+22	1,541883E+22	1,541841E+22	1,304908E+22	9,364801E+21	5,586436E+21	2,726617E+21	1,317758E+21	1,317791E+21	2,726672E+21	5,586406E+21
-2070	9,364656E+21	1,304896E+22	1,541854E+22	1,541889E+22	1,304972E+22	9,365288E+21	5,586848E+21	2,726945E+21	1,317943E+21	1,317862E+21	2,726674E+21	5,586444E+21
-2069	9,365030E+21	1,304957E+22	1,541875E+22	1,541867E+22	1,304930E+22	9,364795E+21	5,586426E+21	2,726751E+21	1,317981E+21	1,318079E+21	2,727086E+21	5,586884E+21
-2068	9,365055E+21	1,304908E+22	1,541787E+22	1,541786E+22	1,304906E+22	9,364998E+21	5,586730E+21	2,726973E+21	1,318116E+21	1,318128E+21	2,726964E+21	5,586512E+21
-2067	9,364448E+21	1,304849E+22	1,541768E+22	1,541789E+22	1,304910E+22	9,365135E+21	5,587007E+21	2,727299E+21	1,318377E+21	1,318333E+21	2,727173E+21	5,586909E+21
-2066	9,365174E+21	1,304908E+22	1,541766E+22	1,541734E+22	1,304837E+22	9,364523E+21	5,586622E+21	2,727182E+21	1,318470E+21	1,318567E+21	2,727475E+21	5,586986E+21
-2065	9,364752E+21	1,304827E+22	1,541682E+22	1,541699E+22	1,304850E+22	9,364879E+21	5,587073E+21	2,727560E+21	1,318693E+21	1,318631E+21	2,727325E+21	5,586633E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2064	9,364461E+21	1,304837E+22	1,541712E+22	1,541705E+22	1,304834E+22	9,364657E+21	5,586952E+21	2,727602E+21	1,318836E+21	1,318854E+21	2,727709E+21	5,587226E+21
-2063	9,364996E+21	1,304853E+22	1,541691E+22	1,541656E+22	1,304784E+22	9,364336E+21	5,586767E+21	2,727518E+21	1,318847E+21	1,318925E+21	2,727738E+21	5,586991E+21
-2062	9,364349E+21	1,304757E+22	1,541630E+22	1,541678E+22	1,304848E+22	9,364970E+21	5,587261E+21	2,727816E+21	1,318951E+21	1,318876E+21	2,727569E+21	5,586868E+21
-2061	9,364651E+21	1,304836E+22	1,541687E+22	1,541681E+22	1,304819E+22	9,364558E+21	5,586866E+21	2,727558E+21	1,318852E+21	1,318914E+21	2,727807E+21	5,587301E+21
-2060	9,364973E+21	1,304836E+22	1,541658E+22	1,541638E+22	1,304799E+22	9,364626E+21	5,586957E+21	2,727530E+21	1,318749E+21	1,318755E+21	2,727487E+21	5,586731E+21
-2059	9,364252E+21	1,304781E+22	1,541672E+22	1,541703E+22	1,304851E+22	9,364949E+21	5,587214E+21	2,727690E+21	1,318762E+21	1,318662E+21	2,727382E+21	5,586847E+21
-2058	9,364888E+21	1,304876E+22	1,541735E+22	1,541719E+22	1,304830E+22	9,364457E+21	5,586639E+21	2,727273E+21	1,318562E+21	1,318638E+21	2,727543E+21	5,587030E+21
-2057	9,364730E+21	1,304832E+22	1,541697E+22	1,541717E+22	1,304868E+22	9,364909E+21	5,586915E+21	2,727305E+21	1,318436E+21	1,318390E+21	2,727137E+21	5,586576E+21
-2056	9,364485E+21	1,304851E+22	1,541756E+22	1,541766E+22	1,304886E+22	9,364921E+21	5,586852E+21	2,727213E+21	1,318339E+21	1,318321E+21	2,727215E+21	5,587025E+21
-2055	9,365306E+21	1,304927E+22	1,541795E+22	1,541763E+22	1,304853E+22	9,364515E+21	5,586467E+21	2,726899E+21	1,318140E+21	1,318219E+21	2,727131E+21	5,586774E+21
-2054	9,364810E+21	1,304866E+22	1,541760E+22	1,541795E+22	1,304922E+22	9,365149E+21	5,586914E+21	2,727117E+21	1,318154E+21	1,318069E+21	2,726823E+21	5,586425E+21
-2053	9,364781E+21	1,304930E+22	1,541841E+22	1,541826E+22	1,304908E+22	9,364829E+21	5,586615E+21	2,726962E+21	1,318131E+21	1,318157E+21	2,727094E+21	5,586903E+21
-2052	9,365150E+21	1,304929E+22	1,541815E+22	1,541788E+22	1,304879E+22	9,364715E+21	5,586572E+21	2,726920E+21	1,318122E+21	1,318172E+21	2,727017E+21	5,586527E+21
-2051	9,364386E+21	1,304828E+22	1,541754E+22	1,541801E+22	1,304921E+22	9,365176E+21	5,587034E+21	2,727305E+21	1,318349E+21	1,318272E+21	2,727051E+21	5,586639E+21
-2050	9,364844E+21	1,304895E+22	1,541776E+22	1,541773E+22	1,304875E+22	9,364678E+21	5,586618E+21	2,727128E+21	1,318404E+21	1,318498E+21	2,727460E+21	5,587088E+21
-2049	9,364922E+21	1,304850E+22	1,541692E+22	1,541694E+22	1,304848E+22	9,364833E+21	5,586918E+21	2,727365E+21	1,318552E+21	1,318554E+21	2,727317E+21	5,586687E+21
-2048	9,364399E+21	1,304809E+22	1,541683E+22	1,541686E+22	1,304833E+22	9,364833E+21	5,587129E+21	2,727667E+21	1,318810E+21	1,318768E+21	2,727550E+21	5,587066E+21
-2047	9,365011E+21	1,304866E+22	1,541701E+22	1,541658E+22	1,304769E+22	9,364169E+21	5,586705E+21	2,727537E+21	1,318893E+21	1,318990E+21	2,727839E+21	5,587126E+21
-2046	9,364528E+21	1,304768E+22	1,541603E+22	1,541631E+22	1,304806E+22	9,364706E+21	5,587192E+21	2,727900E+21	1,319107E+21	1,319061E+21	2,727721E+21	5,586814E+21
-2045	9,364236E+21	1,304779E+22	1,541639E+22	1,541641E+22	1,304795E+22	9,364543E+21	5,587083E+21	2,727911E+21	1,319205E+21	1,319226E+21	2,728043E+21	5,587410E+21
-2044	9,364883E+21	1,304803E+22	1,541614E+22	1,541588E+22	1,304747E+22	9,364270E+21	5,586927E+21	2,727802E+21	1,319174E+21	1,319262E+21	2,728035E+21	5,587120E+21
-2043	9,364220E+21	1,304709E+22	1,541542E+22	1,541588E+22	1,304792E+22	9,364846E+21	5,587457E+21	2,728152E+21	1,319297E+21	1,319202E+21	2,727830E+21	5,586943E+21
-2042	9,364457E+21	1,304795E+22	1,541621E+22	1,541606E+22	1,304770E+22	9,364431E+21	5,587036E+21	2,727894E+21	1,319210E+21	1,319249E+21	2,728062E+21	5,587353E+21
-2041	9,364719E+21	1,304785E+22	1,541594E+22	1,541581E+22	1,304760E+22	9,364476E+21	5,587086E+21	2,727843E+21	1,319102E+21	1,319098E+21	2,727766E+21	5,586834E+21
-2040	9,364109E+21	1,304737E+22	1,541600E+22	1,541631E+22	1,304803E+22	9,364741E+21	5,587268E+21	2,727939E+21	1,319080E+21	1,318998E+21	2,727705E+21	5,587032E+21
-2039	9,364784E+21	1,304837E+22	1,541675E+22	1,541657E+22	1,304783E+22	9,364235E+21	5,586691E+21	2,727499E+21	1,318841E+21	1,318929E+21	2,727819E+21	5,587214E+21
-2038	9,364677E+21	1,304793E+22	1,541630E+22	1,541655E+22	1,304830E+22	9,364790E+21	5,587019E+21	2,727542E+21	1,318713E+21	1,318677E+21	2,727397E+21	5,586714E+21
-2037	9,364401E+21	1,304823E+22	1,541710E+22	1,541713E+22	1,304848E+22	9,364792E+21	5,586962E+21	2,727466E+21	1,318619E+21	1,318586E+21	2,727421E+21	5,587091E+21
-2036	9,365188E+21	1,304899E+22	1,541751E+22	1,541714E+22	1,304816E+22	9,364391E+21	5,586591E+21	2,727166E+21	1,318446E+21	1,318524E+21	2,727371E+21	5,586793E+21
-2035	9,364538E+21	1,304815E+22	1,541689E+22	1,541727E+22	1,304874E+22	9,364988E+21	5,587075E+21	2,727462E+21	1,318533E+21	1,318439E+21	2,727137E+21	5,586508E+21
-2034	9,364460E+21	1,304866E+22	1,541759E+22	1,541757E+22	1,304873E+22	9,364743E+21	5,586769E+21	2,727313E+21	1,318542E+21	1,318568E+21	2,727456E+21	5,587062E+21
-2033	9,364902E+21	1,304858E+22	1,541718E+22	1,541707E+22	1,304837E+22	9,364627E+21	5,586744E+21	2,727274E+21	1,318535E+21	1,318591E+21	2,727393E+21	5,586764E+21
-2032	9,364350E+21	1,304776E+22	1,541651E+22	1,541691E+22	1,304851E+22	9,364941E+21	5,587163E+21	2,727641E+21	1,318749E+21	1,318684E+21	2,727432E+21	5,586876E+21
-2031	9,364804E+21	1,304856E+22	1,541697E+22	1,541676E+22	1,304799E+22	9,364346E+21	5,586728E+21	2,727475E+21	1,318798E+21	1,318886E+21	2,727785E+21	5,587239E+21
-2030	9,364797E+21	1,304806E+22	1,541620E+22	1,541613E+22	1,304786E+22	9,364579E+21	5,587046E+21	2,727726E+21	1,318970E+21	1,318973E+21	2,727671E+21	5,586803E+21
-2029	9,364164E+21	1,304764E+22	1,541627E+22	1,541627E+22	1,304785E+22	9,364601E+21	5,587228E+21	2,728006E+21	1,319217E+21	1,319173E+21	2,727894E+21	5,587191E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,364788E+21	1,304813E+22	1,541631E+22	1,541599E+22	1,304735E+22	9,364066E+21	5,586834E+21	2,727848E+21	1,319278E+21	1,319396E+21	2,728202E+21	5,587266E+21
-2027	9,364292E+21	1,304705E+22	1,541511E+22	1,541546E+22	1,304760E+22	9,364632E+21	5,587399E+21	2,728262E+21	1,319506E+21	1,319460E+21	2,728078E+21	5,586990E+21
-2026	9,364053E+21	1,304720E+22	1,541549E+22	1,541559E+22	1,304753E+22	9,364497E+21	5,587298E+21	2,728279E+21	1,319600E+21	1,319604E+21	2,728350E+21	5,587534E+21
-2025	9,364713E+21	1,304749E+22	1,541529E+22	1,541508E+22	1,304701E+22	9,364191E+21	5,587141E+21	2,728172E+21	1,319562E+21	1,319626E+21	2,728317E+21	5,587232E+21
-2024	9,364120E+21	1,304670E+22	1,541467E+22	1,541497E+22	1,304725E+22	9,364593E+21	5,587580E+21	2,728482E+21	1,319669E+21	1,319568E+21	2,728144E+21	5,587060E+21
-2023	9,364256E+21	1,304749E+22	1,541559E+22	1,541538E+22	1,304710E+22	9,364111E+21	5,587098E+21	2,728189E+21	1,319554E+21	1,319591E+21	2,728361E+21	5,587476E+21
-2022	9,364516E+21	1,304731E+22	1,541525E+22	1,541521E+22	1,304721E+22	9,364306E+21	5,587153E+21	2,728099E+21	1,319426E+21	1,319442E+21	2,728097E+21	5,587016E+21
-2021	9,363975E+21	1,304696E+22	1,541544E+22	1,541573E+22	1,304764E+22	9,364584E+21	5,587322E+21	2,728152E+21	1,319355E+21	1,319282E+21	2,727968E+21	5,587202E+21
-2020	9,364755E+21	1,304805E+22	1,541618E+22	1,541600E+22	1,304749E+22	9,364144E+21	5,586786E+21	2,727707E+21	1,319097E+21	1,319195E+21	2,728043E+21	5,587297E+21
-2019	9,364585E+21	1,304761E+22	1,541567E+22	1,541585E+22	1,304784E+22	9,364668E+21	5,587168E+21	2,727825E+21	1,319014E+21	1,318961E+21	2,727618E+21	5,586766E+21
-2018	9,364209E+21	1,304784E+22	1,541654E+22	1,541657E+22	1,304813E+22	9,364695E+21	5,587112E+21	2,727780E+21	1,318964E+21	1,318909E+21	2,727655E+21	5,587108E+21
-2017	9,364898E+21	1,304843E+22	1,541686E+22	1,541663E+22	1,304788E+22	9,364314E+21	5,586745E+21	2,727493E+21	1,318815E+21	1,318885E+21	2,727669E+21	5,586906E+21
-2016	9,364354E+21	1,304760E+22	1,541605E+22	1,541643E+22	1,304823E+22	9,364816E+21	5,587183E+21	2,727765E+21	1,318903E+21	1,318829E+21	2,727510E+21	5,586716E+21
-2015	9,364296E+21	1,304809E+22	1,541677E+22	1,541674E+22	1,304814E+22	9,364522E+21	5,586889E+21	2,727620E+21	1,318898E+21	1,318937E+21	2,727799E+21	5,587273E+21
-2014	9,364813E+21	1,304806E+22	1,541630E+22	1,541620E+22	1,304783E+22	9,364462E+21	5,586888E+21	2,727599E+21	1,318910E+21	1,318979E+21	2,727748E+21	5,586955E+21
-2013	9,364267E+21	1,304741E+22	1,541587E+22	1,541609E+22	1,304790E+22	9,364706E+21	5,587274E+21	2,727965E+21	1,319125E+21	1,319053E+21	2,727739E+21	5,587009E+21
-2012	9,364697E+21	1,304820E+22	1,541638E+22	1,541607E+22	1,304745E+22	9,364132E+21	5,586851E+21	2,727807E+21	1,319194E+21	1,319287E+21	2,728115E+21	5,587321E+21
-2011	9,364543E+21	1,304750E+22	1,541543E+22	1,541536E+22	1,304732E+22	9,364367E+21	5,587199E+21	2,728114E+21	1,319414E+21	1,319413E+21	2,728053E+21	5,586943E+21
-2010	9,363884E+21	1,304697E+22	1,541540E+22	1,541556E+22	1,304750E+22	9,364518E+21	5,587398E+21	2,728390E+21	1,319667E+21	1,319620E+21	2,728277E+21	5,587355E+21
-2009	9,364557E+21	1,304743E+22	1,541536E+22	1,541519E+22	1,304697E+22	9,364031E+21	5,587056E+21	2,728234E+21	1,319709E+21	1,319820E+21	2,728567E+21	5,587470E+21
-2008	9,364209E+21	1,304652E+22	1,541412E+22	1,541440E+22	1,304695E+22	9,364459E+21	5,587578E+21	2,728623E+21	1,319909E+21	1,319861E+21	2,728429E+21	5,587166E+21
-2007	9,363931E+21	1,304675E+22	1,541474E+22	1,541471E+22	1,304685E+22	9,364239E+21	5,587447E+21	2,728628E+21	1,319975E+21	1,319965E+21	2,728638E+21	5,587624E+21
-2006	9,364525E+21	1,304701E+22	1,541459E+22	1,541434E+22	1,304647E+22	9,363976E+21	5,587260E+21	2,728496E+21	1,319934E+21	1,319998E+21	2,728633E+21	5,587321E+21
-2005	9,363879E+21	1,304625E+22	1,541412E+22	1,541438E+22	1,304680E+22	9,364360E+21	5,587626E+21	2,728741E+21	1,319995E+21	1,319901E+21	2,728441E+21	5,587197E+21
-2004	9,364111E+21	1,304704E+22	1,541500E+22	1,541484E+22	1,304676E+22	9,363981E+21	5,587153E+21	2,728400E+21	1,319841E+21	1,319905E+21	2,728654E+21	5,587618E+21
-2003	9,364381E+21	1,304682E+22	1,541451E+22	1,541450E+22	1,304678E+22	9,364193E+21	5,587276E+21	2,728354E+21	1,319718E+21	1,319739E+21	2,728374E+21	5,587182E+21
-2002	9,363903E+21	1,304656E+22	1,541478E+22	1,541512E+22	1,304734E+22	9,364531E+21	5,587461E+21	2,728419E+21	1,319652E+21	1,319567E+21	2,728190E+21	5,587287E+21
-2001	9,364656E+21	1,304769E+22	1,541559E+22	1,541539E+22	1,304715E+22	9,364099E+21	5,586963E+21	2,728007E+21	1,319413E+21	1,319487E+21	2,728258E+21	5,587359E+21
-2000	9,364475E+21	1,304728E+22	1,541509E+22	1,541510E+22	1,304729E+22	9,364466E+21	5,587282E+21	2,728121E+21	1,319351E+21	1,319296E+21	2,727902E+21	5,586855E+21
-1999	9,363983E+21	1,304734E+22	1,541594E+22	1,541597E+22	1,304763E+22	9,364454E+21	5,587202E+21	2,728075E+21	1,319307E+21	1,319258E+21	2,727958E+21	5,587215E+21
-1998	9,364658E+21	1,304781E+22	1,541607E+22	1,541595E+22	1,304749E+22	9,364191E+21	5,586855E+21	2,727782E+21	1,319171E+21	1,319263E+21	2,728029E+21	5,587097E+21
-1997	9,364210E+21	1,304712E+22	1,541534E+22	1,541565E+22	1,304772E+22	9,364643E+21	5,587280E+21	2,728038E+21	1,319237E+21	1,319175E+21	2,727834E+21	5,586924E+21
-1996	9,364274E+21	1,304769E+22	1,541603E+22	1,541593E+22	1,304761E+22	9,364362E+21	5,587014E+21	2,727906E+21	1,319241E+21	1,319288E+21	2,728093E+21	5,587385E+21
-1995	9,364694E+21	1,304764E+22	1,541555E+22	1,541531E+22	1,304719E+22	9,364257E+21	5,587058E+21	2,727967E+21	1,319311E+21	1,319364E+21	2,728064E+21	5,587058E+21
-1994	9,364064E+21	1,304692E+22	1,541518E+22	1,541541E+22	1,304744E+22	9,364532E+21	5,587424E+21	2,728347E+21	1,319564E+21	1,319475E+21	2,728068E+21	5,587078E+21
-1993	9,364407E+21	1,304757E+22	1,541561E+22	1,541542E+22	1,304710E+22	9,364041E+21	5,587034E+21	2,728202E+21	1,319647E+21	1,319731E+21	2,728492E+21	5,587483E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,364349E+21	1,304689E+22	1,541452E+22	1,541445E+22	1,304677E+22	9,364207E+21	5,587352E+21	2,728482E+21	1,319855E+21	1,319870E+21	2,728481E+21	5,587178E+21
-1991	9,363714E+21	1,304632E+22	1,541449E+22	1,541467E+22	1,304690E+22	9,364334E+21	5,587574E+21	2,728754E+21	1,320075E+21	1,320033E+21	2,728642E+21	5,587535E+21
-1990	9,364414E+21	1,304684E+22	1,541442E+22	1,541429E+22	1,304644E+22	9,363912E+21	5,587246E+21	2,728598E+21	1,320115E+21	1,320227E+21	2,728924E+21	5,587624E+21
-1989	9,364075E+21	1,304614E+22	1,541346E+22	1,541352E+22	1,304630E+22	9,364234E+21	5,587706E+21	2,728951E+21	1,320282E+21	1,320226E+21	2,728734E+21	5,587282E+21
-1988	9,363778E+21	1,304630E+22	1,541410E+22	1,541399E+22	1,304630E+22	9,364017E+21	5,587546E+21	2,728925E+21	1,320336E+21	1,320333E+21	2,728941E+21	5,587689E+21
-1987	9,364267E+21	1,304642E+22	1,541382E+22	1,541361E+22	1,304597E+22	9,363770E+21	5,587365E+21	2,728810E+21	1,320302E+21	1,320370E+21	2,728975E+21	5,587483E+21
-1986	9,363697E+21	1,304567E+22	1,541333E+22	1,541375E+22	1,304647E+22	9,364247E+21	5,587718E+21	2,729017E+21	1,320337E+21	1,320245E+21	2,728745E+21	5,587361E+21
-1985	9,364008E+21	1,304655E+22	1,541425E+22	1,541418E+22	1,304643E+22	9,363942E+21	5,587312E+21	2,728679E+21	1,320154E+21	1,320210E+21	2,728920E+21	5,587792E+21
-1984	9,364393E+21	1,304651E+22	1,541385E+22	1,541368E+22	1,304622E+22	9,364017E+21	5,587389E+21	2,728618E+21	1,320016E+21	1,320034E+21	2,728625E+21	5,587297E+21
-1983	9,363825E+21	1,304627E+22	1,541430E+22	1,541449E+22	1,304679E+22	9,364321E+21	5,587579E+21	2,728691E+21	1,319945E+21	1,319848E+21	2,728398E+21	5,587302E+21
-1982	9,364448E+21	1,304728E+22	1,541507E+22	1,541489E+22	1,304679E+22	9,363972E+21	5,587081E+21	2,728285E+21	1,319733E+21	1,319808E+21	2,728522E+21	5,587394E+21
-1981	9,364219E+21	1,304686E+22	1,541461E+22	1,541458E+22	1,304691E+22	9,364311E+21	5,587351E+21	2,728364E+21	1,319656E+21	1,319612E+21	2,728190E+21	5,586983E+21
-1980	9,363819E+21	1,304682E+22	1,541527E+22	1,541537E+22	1,304729E+22	9,364368E+21	5,587299E+21	2,728312E+21	1,319614E+21	1,319588E+21	2,728261E+21	5,587345E+21
-1979	9,364485E+21	1,304723E+22	1,541522E+22	1,541514E+22	1,304700E+22	9,364074E+21	5,587020E+21	2,728093E+21	1,319515E+21	1,319610E+21	2,728355E+21	5,587286E+21
-1978	9,364127E+21	1,304663E+22	1,541453E+22	1,541489E+22	1,304728E+22	9,364516E+21	5,587435E+21	2,728373E+21	1,319613E+21	1,319537E+21	2,728128E+21	5,587044E+21
-1977	9,364167E+21	1,304727E+22	1,541532E+22	1,541515E+22	1,304710E+22	9,364235E+21	5,587211E+21	2,728285E+21	1,319650E+21	1,319676E+21	2,728408E+21	5,587506E+21
-1976	9,364551E+21	1,304718E+22	1,541482E+22	1,541444E+22	1,304650E+22	9,363973E+21	5,587181E+21	2,728340E+21	1,319750E+21	1,319805E+21	2,728452E+21	5,587210E+21
-1975	9,363834E+21	1,304632E+22	1,541444E+22	1,541468E+22	1,304687E+22	9,364284E+21	5,587543E+21	2,728708E+21	1,319997E+21	1,319921E+21	2,728464E+21	5,587244E+21
-1974	9,364181E+21	1,304689E+22	1,541467E+22	1,541460E+22	1,304665E+22	9,363931E+21	5,587190E+21	2,728558E+21	1,320080E+21	1,320184E+21	2,728911E+21	5,587686E+21
-1973	9,364192E+21	1,304635E+22	1,541369E+22	1,541356E+22	1,304619E+22	9,364043E+21	5,587497E+21	2,728813E+21	1,320248E+21	1,320272E+21	2,728844E+21	5,587388E+21
-1972	9,363658E+21	1,304584E+22	1,541366E+22	1,541380E+22	1,304633E+22	9,364173E+21	5,587724E+21	2,729081E+21	1,320456E+21	1,320417E+21	2,728953E+21	5,587618E+21
-1971	9,364211E+21	1,304631E+22	1,541361E+22	1,541338E+22	1,304579E+22	9,363709E+21	5,587430E+21	2,728978E+21	1,320521E+21	1,320616E+21	2,729245E+21	5,587721E+21
-1970	9,363841E+21	1,304557E+22	1,541271E+22	1,541286E+22	1,304584E+22	9,364046E+21	5,587839E+21	2,729304E+21	1,320687E+21	1,320617E+21	2,729048E+21	5,587364E+21
-1969	9,363535E+21	1,304572E+22	1,541332E+22	1,541332E+22	1,304591E+22	9,363915E+21	5,587700E+21	2,729259E+21	1,320717E+21	1,320706E+21	2,729274E+21	5,587854E+21
-1968	9,364130E+21	1,304591E+22	1,541301E+22	1,541278E+22	1,304542E+22	9,363589E+21	5,587470E+21	2,729097E+21	1,320650E+21	1,320731E+21	2,729322E+21	5,587697E+21
-1967	9,363628E+21	1,304523E+22	1,541265E+22	1,541305E+22	1,304595E+22	9,364069E+21	5,587832E+21	2,729280E+21	1,320640E+21	1,320555E+21	2,729017E+21	5,587501E+21
-1966	9,363950E+21	1,304618E+22	1,541358E+22	1,541352E+22	1,304604E+22	9,363851E+21	5,587452E+21	2,728953E+21	1,320460E+21	1,320513E+21	2,729171E+21	5,587868E+21
-1965	9,364283E+21	1,304630E+22	1,541346E+22	1,541311E+22	1,304574E+22	9,363840E+21	5,587485E+21	2,728868E+21	1,320304E+21	1,320314E+21	2,728851E+21	5,587358E+21
-1964	9,363671E+21	1,304590E+22	1,541385E+22	1,541403E+22	1,304641E+22	9,364159E+21	5,587659E+21	2,728938E+21	1,320247E+21	1,320155E+21	2,728643E+21	5,587305E+21
-1963	9,364129E+21	1,304668E+22	1,541438E+22	1,541431E+22	1,304643E+22	9,363853E+21	5,587208E+21	2,728578E+21	1,320068E+21	1,320147E+21	2,728835E+21	5,587532E+21
-1962	9,364007E+21	1,304623E+22	1,541379E+22	1,541397E+22	1,304661E+22	9,364235E+21	5,587480E+21	2,728651E+21	1,319997E+21	1,319957E+21	2,728500E+21	5,587147E+21
-1961	9,363708E+21	1,304628E+22	1,541440E+22	1,541459E+22	1,304687E+22	9,364320E+21	5,587494E+21	2,728633E+21	1,319961E+21	1,319927E+21	2,728567E+21	5,587535E+21
-1960	9,364467E+21	1,304685E+22	1,541442E+22	1,541419E+22	1,304632E+22	9,363844E+21	5,587153E+21	2,728419E+21	1,319884E+21	1,319976E+21	2,728681E+21	5,587456E+21
-1959	9,364052E+21	1,304626E+22	1,541390E+22	1,541411E+22	1,304659E+22	9,364226E+21	5,587547E+21	2,728699E+21	1,319990E+21	1,319914E+21	2,728434E+21	5,587130E+21
-1958	9,363965E+21	1,304677E+22	1,541464E+22	1,541450E+22	1,304662E+22	9,364039E+21	5,587330E+21	2,728627E+21	1,320060E+21	1,320094E+21	2,728772E+21	5,587616E+21
-1957	9,364324E+21	1,304673E+22	1,541420E+22	1,541377E+22	1,304601E+22	9,363767E+21	5,587263E+21	2,728645E+21	1,320138E+21	1,320212E+21	2,728830E+21	5,587400E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-1956	9,363676E+21	1,304575E+22	1,541363E+22	1,541394E+22	1,304642E+22	9,364168E+21	5,587676E+21	2,729016E+21	1,320382E+21	1,320327E+21	2,728823E+21	5,587380E+21
-1955	9,363960E+21	1,304624E+22	1,541372E+22	1,541371E+22	1,304613E+22	9,363837E+21	5,587413E+21	2,728940E+21	1,320491E+21	1,320590E+21	2,729270E+21	5,587863E+21
-1954	9,364057E+21	1,304577E+22	1,541276E+22	1,541272E+22	1,304570E+22	9,363929E+21	5,587706E+21	2,729207E+21	1,320673E+21	1,320675E+21	2,729162E+21	5,587489E+21
-1953	9,363485E+21	1,304532E+22	1,541281E+22	1,541294E+22	1,304577E+22	9,364049E+21	5,587956E+21	2,729493E+21	1,320889E+21	1,320823E+21	2,729288E+21	5,587733E+21
-1952	9,363991E+21	1,304576E+22	1,541278E+22	1,541248E+22	1,304509E+22	9,363407E+21	5,587551E+21	2,729354E+21	1,320956E+21	1,321048E+21	2,729634E+21	5,587893E+21
-1951	9,363626E+21	1,304497E+22	1,541192E+22	1,541209E+22	1,304524E+22	9,363777E+21	5,587923E+21	2,729619E+21	1,321077E+21	1,321021E+21	2,729418E+21	5,587549E+21
-1950	9,363381E+21	1,304516E+22	1,541249E+22	1,541257E+22	1,304546E+22	9,363778E+21	5,587814E+21	2,729551E+21	1,321077E+21	1,321084E+21	2,729628E+21	5,588046E+21
-1949	9,364070E+21	1,304559E+22	1,541240E+22	1,541206E+22	1,304491E+22	9,363408E+21	5,587558E+21	2,729343E+21	1,320950E+21	1,321037E+21	2,729596E+21	5,587863E+21
-1948	9,363625E+21	1,304497E+22	1,541212E+22	1,541245E+22	1,304553E+22	9,363928E+21	5,587926E+21	2,729519E+21	1,320926E+21	1,320838E+21	2,729227E+21	5,587511E+21
-1947	9,363741E+21	1,304580E+22	1,541304E+22	1,541294E+22	1,304562E+22	9,363729E+21	5,587608E+21	2,729251E+21	1,320774E+21	1,320808E+21	2,729401E+21	5,587898E+21
-1946	9,364021E+21	1,304578E+22	1,541288E+22	1,541272E+22	1,304551E+22	9,363743E+21	5,587608E+21	2,729155E+21	1,320629E+21	1,320628E+21	2,729099E+21	5,587406E+21
-1945	9,363427E+21	1,304534E+22	1,541311E+22	1,541348E+22	1,304615E+22	9,364141E+21	5,587826E+21	2,729230E+21	1,320571E+21	1,320478E+21	2,728948E+21	5,587465E+21
-1944	9,363949E+21	1,304611E+22	1,541352E+22	1,541348E+22	1,304590E+22	9,363694E+21	5,587331E+21	2,728859E+21	1,320396E+21	1,320487E+21	2,729169E+21	5,587753E+21
-1943	9,363942E+21	1,304577E+22	1,541302E+22	1,541317E+22	1,304602E+22	9,364035E+21	5,587601E+21	2,728926E+21	1,320316E+21	1,320286E+21	2,728800E+21	5,587321E+21
-1942	9,363678E+21	1,304594E+22	1,541367E+22	1,541377E+22	1,304631E+22	9,364139E+21	5,587624E+21	2,728939E+21	1,320311E+21	1,320279E+21	2,728868E+21	5,587644E+21
-1941	9,364370E+21	1,304663E+22	1,541391E+22	1,541345E+22	1,304569E+22	9,363568E+21	5,587232E+21	2,728711E+21	1,320235E+21	1,320328E+21	2,728982E+21	5,587578E+21
-1940	9,363913E+21	1,304587E+22	1,541334E+22	1,541355E+22	1,304612E+22	9,363986E+21	5,587603E+21	2,728989E+21	1,320365E+21	1,320300E+21	2,728757E+21	5,587202E+21
-1939	9,363663E+21	1,304613E+22	1,541382E+22	1,541381E+22	1,304620E+22	9,363905E+21	5,587482E+21	2,728978E+21	1,320469E+21	1,320507E+21	2,729145E+21	5,587792E+21
-1938	9,364102E+21	1,304603E+22	1,541328E+22	1,541308E+22	1,304566E+22	9,363697E+21	5,587450E+21	2,729009E+21	1,320556E+21	1,320625E+21	2,729184E+21	5,587566E+21
-1937	9,363532E+21	1,304516E+22	1,541265E+22	1,541304E+22	1,304594E+22	9,364127E+21	5,587942E+21	2,729425E+21	1,320808E+21	1,320734E+21	2,729175E+21	5,587543E+21
-1936	9,363790E+21	1,304569E+22	1,541277E+22	1,541266E+22	1,304538E+22	9,363608E+21	5,587614E+21	2,729356E+21	1,320939E+21	1,321020E+21	2,729630E+21	5,588002E+21
-1935	9,363862E+21	1,304524E+22	1,541197E+22	1,541182E+22	1,304497E+22	9,363647E+21	5,587864E+21	2,729596E+21	1,321113E+21	1,321110E+21	2,729520E+21	5,587594E+21
-1934	9,363239E+21	1,304473E+22	1,541196E+22	1,541214E+22	1,304522E+22	9,363826E+21	5,588081E+21	2,729859E+21	1,321325E+21	1,321268E+21	2,729682E+21	5,587878E+21
-1933	9,363780E+21	1,304529E+22	1,541205E+22	1,541171E+22	1,304455E+22	9,363176E+21	5,587619E+21	2,729644E+21	1,321330E+21	1,321443E+21	2,730012E+21	5,588129E+21
-1932	9,363545E+21	1,304450E+22	1,541119E+22	1,541141E+22	1,304480E+22	9,363605E+21	5,587992E+21	2,729872E+21	1,321409E+21	1,321373E+21	2,729732E+21	5,587699E+21
-1931	9,363248E+21	1,304467E+22	1,541173E+22	1,541186E+22	1,304503E+22	9,363676E+21	5,587979E+21	2,729856E+21	1,321407E+21	1,321407E+21	2,729910E+21	5,588195E+21
-1930	9,363984E+21	1,304519E+22	1,541176E+22	1,541150E+22	1,304458E+22	9,363330E+21	5,587722E+21	2,729649E+21	1,321278E+21	1,321341E+21	2,729819E+21	5,587904E+21
-1929	9,363457E+21	1,304460E+22	1,541154E+22	1,541187E+22	1,304516E+22	9,363871E+21	5,588130E+21	2,729846E+21	1,321258E+21	1,321147E+21	2,729478E+21	5,587565E+21
-1928	9,363464E+21	1,304528E+22	1,541237E+22	1,541228E+22	1,304513E+22	9,363533E+21	5,587723E+21	2,729558E+21	1,321122E+21	1,321152E+21	2,729707E+21	5,588022E+21
-1927	9,363800E+21	1,304521E+22	1,541212E+22	1,541203E+22	1,304504E+22	9,363567E+21	5,587700E+21	2,729415E+21	1,320951E+21	1,320966E+21	2,729412E+21	5,587573E+21
-1926	9,363292E+21	1,304481E+22	1,541225E+22	1,541270E+22	1,304571E+22	9,364020E+21	5,587941E+21	2,729494E+21	1,320889E+21	1,320812E+21	2,729265E+21	5,587653E+21
-1925	9,363920E+21	1,304584E+22	1,541288E+22	1,541269E+22	1,304531E+22	9,363462E+21	5,587399E+21	2,729096E+21	1,320685E+21	1,320783E+21	2,729443E+21	5,587939E+21
-1924	9,363958E+21	1,304555E+22	1,541249E+22	1,541250E+22	1,304548E+22	9,363787E+21	5,587648E+21	2,729169E+21	1,320620E+21	1,320590E+21	2,729033E+21	5,587359E+21
-1923	9,363479E+21	1,304557E+22	1,541313E+22	1,541317E+22	1,304584E+22	9,363942E+21	5,587747E+21	2,729254E+21	1,320664E+21	1,320621E+21	2,729146E+21	5,587718E+21
-1922	9,364127E+21	1,304610E+22	1,541330E+22	1,541302E+22	1,304541E+22	9,363441E+21	5,587356E+21	2,729036E+21	1,320615E+21	1,320700E+21	2,729280E+21	5,587655E+21
-1921	9,363661E+21	1,304530E+22	1,541255E+22	1,541291E+22	1,304582E+22	9,363975E+21	5,587814E+21	2,729346E+21	1,320760E+21	1,320694E+21	2,729119E+21	5,587373E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,363414E+21	1,304546E+22	1,541286E+22	1,541292E+22	1,304565E+22	9,363770E+21	5,587678E+21	2,729357E+21	1,320892E+21	1,320929E+21	2,729527E+21	5,587999E+21
-1919	9,363956E+21	1,304543E+22	1,541232E+22	1,541213E+22	1,304504E+22	9,363531E+21	5,587653E+21	2,729392E+21	1,320982E+21	1,321052E+21	2,729553E+21	5,587737E+21
-1918	9,363400E+21	1,304465E+22	1,541170E+22	1,541204E+22	1,304530E+22	9,363952E+21	5,588142E+21	2,729833E+21	1,321259E+21	1,321181E+21	2,729555E+21	5,587678E+21
-1917	9,363607E+21	1,304528E+22	1,541204E+22	1,541175E+22	1,304464E+22	9,363288E+21	5,587722E+21	2,729719E+21	1,321370E+21	1,321454E+21	2,730012E+21	5,588178E+21
-1916	9,363685E+21	1,304473E+22	1,541122E+22	1,541108E+22	1,304439E+22	9,363341E+21	5,587906E+21	2,729917E+21	1,321531E+21	1,321543E+21	2,729900E+21	5,587738E+21
-1915	9,362985E+21	1,304409E+22	1,541108E+22	1,541135E+22	1,304473E+22	9,363643E+21	5,588196E+21	2,730191E+21	1,321728E+21	1,321681E+21	2,730072E+21	5,588106E+21
-1914	9,363647E+21	1,304468E+22	1,541120E+22	1,541104E+22	1,304418E+22	9,363081E+21	5,587768E+21	2,729963E+21	1,321701E+21	1,321809E+21	2,730325E+21	5,588300E+21
-1913	9,363493E+21	1,304411E+22	1,541044E+22	1,541067E+22	1,304440E+22	9,363566E+21	5,588206E+21	2,730207E+21	1,321756E+21	1,321704E+21	2,730016E+21	5,587832E+21
-1912	9,363110E+21	1,304427E+22	1,541103E+22	1,541105E+22	1,304445E+22	9,363494E+21	5,588142E+21	2,730192E+21	1,321764E+21	1,321740E+21	2,730167E+21	5,588263E+21
-1911	9,363782E+21	1,304474E+22	1,541117E+22	1,541087E+22	1,304409E+22	9,363154E+21	5,587858E+21	2,729952E+21	1,321621E+21	1,321677E+21	2,730082E+21	5,587948E+21
-1910	9,363207E+21	1,304410E+22	1,541084E+22	1,541124E+22	1,304478E+22	9,363738E+21	5,588242E+21	2,730133E+21	1,321597E+21	1,321494E+21	2,729784E+21	5,587661E+21
-1909	9,363240E+21	1,304482E+22	1,541169E+22	1,541159E+22	1,304467E+22	9,363353E+21	5,587781E+21	2,729784E+21	1,321414E+21	1,321463E+21	2,730006E+21	5,588214E+21
-1908	9,363721E+21	1,304479E+22	1,541146E+22	1,541138E+22	1,304461E+22	9,363385E+21	5,587741E+21	2,729626E+21	1,321227E+21	1,321256E+21	2,729673E+21	5,587709E+21
-1907	9,363200E+21	1,304441E+22	1,541154E+22	1,541197E+22	1,304525E+22	9,363869E+21	5,588063E+21	2,729764E+21	1,321187E+21	1,321104E+21	2,729521E+21	5,587796E+21
-1906	9,363852E+21	1,304549E+22	1,541231E+22	1,541214E+22	1,304493E+22	9,363328E+21	5,587536E+21	2,729394E+21	1,321011E+21	1,321087E+21	2,729667E+21	5,587992E+21
-1905	9,363812E+21	1,304522E+22	1,541198E+22	1,541195E+22	1,304508E+22	9,363668E+21	5,587814E+21	2,729501E+21	1,320977E+21	1,320935E+21	2,729326E+21	5,587441E+21
-1904	9,363189E+21	1,304500E+22	1,541242E+22	1,541250E+22	1,304536E+22	9,363736E+21	5,587863E+21	2,729595E+21	1,321066E+21	1,321021E+21	2,729496E+21	5,587864E+21
-1903	9,363885E+21	1,304546E+22	1,541245E+22	1,541226E+22	1,304496E+22	9,363320E+21	5,587503E+21	2,729365E+21	1,321018E+21	1,321118E+21	2,729656E+21	5,587841E+21
-1902	9,363493E+21	1,304469E+22	1,541156E+22	1,541199E+22	1,304532E+22	9,363882E+21	5,588009E+21	2,729713E+21	1,321180E+21	1,321126E+21	2,729507E+21	5,587569E+21
-1901	9,363308E+21	1,304501E+22	1,541200E+22	1,541193E+22	1,304498E+22	9,363554E+21	5,587827E+21	2,729708E+21	1,321296E+21	1,321335E+21	2,729882E+21	5,588189E+21
-1900	9,363871E+21	1,304501E+22	1,541156E+22	1,541126E+22	1,304439E+22	9,363254E+21	5,587753E+21	2,729741E+21	1,321397E+21	1,321463E+21	2,729883E+21	5,587825E+21
-1899	9,363147E+21	1,304410E+22	1,541092E+22	1,541122E+22	1,304469E+22	9,363706E+21	5,588285E+21	2,730214E+21	1,321693E+21	1,321611E+21	2,729928E+21	5,587833E+21
-1898	9,363372E+21	1,304463E+22	1,541125E+22	1,541111E+22	1,304422E+22	9,363113E+21	5,587849E+21	2,730076E+21	1,321794E+21	1,321875E+21	2,730373E+21	5,588334E+21
-1897	9,363498E+21	1,304416E+22	1,541039E+22	1,541032E+22	1,304397E+22	9,363264E+21	5,588089E+21	2,730267E+21	1,321926E+21	1,321944E+21	2,730279E+21	5,587948E+21
-1896	9,362813E+21	1,304350E+22	1,541020E+22	1,541048E+22	1,304417E+22	9,363478E+21	5,588356E+21	2,730540E+21	1,322122E+21	1,322072E+21	2,730417E+21	5,588305E+21
-1895	9,363576E+21	1,304423E+22	1,541039E+22	1,541019E+22	1,304365E+22	9,362956E+21	5,587947E+21	2,730298E+21	1,322076E+21	1,322176E+21	2,730619E+21	5,588403E+21
-1894	9,363362E+21	1,304371E+22	1,540972E+22	1,540987E+22	1,304389E+22	9,363446E+21	5,588390E+21	2,730555E+21	1,322134E+21	1,322070E+21	2,730304E+21	5,587891E+21
-1893	9,362902E+21	1,304390E+22	1,541049E+22	1,541038E+22	1,304390E+22	9,363247E+21	5,588230E+21	2,730483E+21	1,322107E+21	1,322083E+21	2,730455E+21	5,588360E+21
-1892	9,363568E+21	1,304424E+22	1,541054E+22	1,541030E+22	1,304368E+22	9,362922E+21	5,587879E+21	2,730198E+21	1,321942E+21	1,322008E+21	2,730369E+21	5,588040E+21
-1891	9,362958E+21	1,304351E+22	1,541006E+22	1,541053E+22	1,304438E+22	9,363616E+21	5,588341E+21	2,730386E+21	1,321903E+21	1,321812E+21	2,730092E+21	5,587859E+21
-1890	9,363142E+21	1,304429E+22	1,541096E+22	1,541097E+22	1,304432E+22	9,363260E+21	5,587903E+21	2,730038E+21	1,321705E+21	1,321748E+21	2,730246E+21	5,588348E+21
-1889	9,363696E+21	1,304449E+22	1,541084E+22	1,541070E+22	1,304419E+22	9,363303E+21	5,587904E+21	2,729908E+21	1,321520E+21	1,321540E+21	2,729920E+21	5,587819E+21
-1888	9,363075E+21	1,304406E+22	1,541098E+22	1,541126E+22	1,304469E+22	9,363645E+21	5,588171E+21	2,730066E+21	1,321526E+21	1,321428E+21	2,729776E+21	5,587876E+21
-1887	9,363680E+21	1,304507E+22	1,541175E+22	1,541154E+22	1,304449E+22	9,363159E+21	5,587650E+21	2,729693E+21	1,321368E+21	1,321445E+21	2,729958E+21	5,588063E+21
-1886	9,363583E+21	1,304471E+22	1,541129E+22	1,541131E+22	1,304473E+22	9,363565E+21	5,587944E+21	2,729814E+21	1,321355E+21	1,321327E+21	2,729678E+21	5,587584E+21
-1885	9,362995E+21	1,304449E+22	1,541167E+22	1,541174E+22	1,304488E+22	9,363580E+21	5,587969E+21	2,729881E+21	1,321423E+21	1,321400E+21	2,729851E+21	5,588072E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,363781E+21	1,304494E+22	1,541165E+22	1,541149E+22	1,304448E+22	9,363148E+21	5,587607E+21	2,729667E+21	1,321385E+21	1,321494E+21	2,729984E+21	5,587995E+21
-1883	9,363354E+21	1,304417E+22	1,541069E+22	1,541105E+22	1,304475E+22	9,363738E+21	5,588198E+21	2,730080E+21	1,321581E+21	1,321521E+21	2,729853E+21	5,587739E+21
-1882	9,363165E+21	1,304447E+22	1,541122E+22	1,541115E+22	1,304444E+22	9,363389E+21	5,588015E+21	2,730097E+21	1,321721E+21	1,321739E+21	2,730197E+21	5,588279E+21
-1881	9,363675E+21	1,304452E+22	1,541084E+22	1,541049E+22	1,304384E+22	9,363075E+21	5,587939E+21	2,730143E+21	1,321838E+21	1,321900E+21	2,730274E+21	5,587978E+21
-1880	9,362866E+21	1,304341E+22	1,541001E+22	1,541033E+22	1,304406E+22	9,363431E+21	5,588394E+21	2,730596E+21	1,322151E+21	1,322071E+21	2,730339E+21	5,588041E+21
-1879	9,363184E+21	1,304396E+22	1,541029E+22	1,541019E+22	1,304368E+22	9,362965E+21	5,588001E+21	2,730430E+21	1,322225E+21	1,322318E+21	2,730768E+21	5,588540E+21
-1878	9,363389E+21	1,304363E+22	1,540949E+22	1,540940E+22	1,304343E+22	9,363135E+21	5,588271E+21	2,730630E+21	1,322343E+21	1,322364E+21	2,730641E+21	5,588119E+21
-1877	9,362739E+21	1,304313E+22	1,540947E+22	1,540959E+22	1,304354E+22	9,363258E+21	5,588487E+21	2,730865E+21	1,322497E+21	1,322441E+21	2,730717E+21	5,588421E+21
-1876	9,363455E+21	1,304385E+22	1,540980E+22	1,540951E+22	1,304314E+22	9,362731E+21	5,588036E+21	2,730608E+21	1,322439E+21	1,322526E+21	2,730880E+21	5,588420E+21
-1875	9,363072E+21	1,304318E+22	1,540908E+22	1,540924E+22	1,304346E+22	9,363292E+21	5,588520E+21	2,730869E+21	1,322490E+21	1,322422E+21	2,730606E+21	5,587988E+21
-1874	9,362630E+21	1,304323E+22	1,540978E+22	1,540988E+22	1,304362E+22	9,363162E+21	5,588351E+21	2,730765E+21	1,322436E+21	1,322409E+21	2,730733E+21	5,588462E+21
-1873	9,363379E+21	1,304371E+22	1,540982E+22	1,540966E+22	1,304334E+22	9,362881E+21	5,588037E+21	2,730468E+21	1,322242E+21	1,322319E+21	2,730680E+21	5,588222E+21
-1872	9,362821E+21	1,304297E+22	1,540927E+22	1,540974E+22	1,304385E+22	9,363440E+21	5,588452E+21	2,730659E+21	1,322213E+21	1,322122E+21	2,730374E+21	5,588043E+21
-1871	9,363135E+21	1,304393E+22	1,541026E+22	1,541017E+22	1,304382E+22	9,363140E+21	5,588039E+21	2,730313E+21	1,322019E+21	1,322060E+21	2,730502E+21	5,588449E+21
-1870	9,363629E+21	1,304421E+22	1,541030E+22	1,541000E+22	1,304369E+22	9,363147E+21	5,588039E+21	2,730208E+21	1,321861E+21	1,321877E+21	2,730194E+21	5,587896E+21
-1869	9,362938E+21	1,304375E+22	1,541051E+22	1,541068E+22	1,304418E+22	9,363389E+21	5,588221E+21	2,730330E+21	1,321859E+21	1,321771E+21	2,730076E+21	5,587993E+21
-1868	9,363511E+21	1,304460E+22	1,541114E+22	1,541099E+22	1,304412E+22	9,362960E+21	5,587679E+21	2,729948E+21	1,321705E+21	1,321793E+21	2,730263E+21	5,588174E+21
-1867	9,363359E+21	1,304412E+22	1,541049E+22	1,541059E+22	1,304434E+22	9,363485E+21	5,588088E+21	2,730109E+21	1,321705E+21	1,321691E+21	2,730023E+21	5,587794E+21
-1866	9,362882E+21	1,304389E+22	1,541086E+22	1,541104E+22	1,304447E+22	9,363511E+21	5,588160E+21	2,730212E+21	1,321785E+21	1,321752E+21	2,730141E+21	5,588192E+21
-1865	9,363677E+21	1,304451E+22	1,541089E+22	1,541065E+22	1,304395E+22	9,363053E+21	5,587832E+21	2,730040E+21	1,321772E+21	1,321868E+21	2,730306E+21	5,588104E+21
-1864	9,363130E+21	1,304363E+22	1,540992E+22	1,541015E+22	1,304405E+22	9,363475E+21	5,588357E+21	2,730477E+21	1,322022E+21	1,321945E+21	2,730199E+21	5,587857E+21
-1863	9,362957E+21	1,304389E+22	1,541039E+22	1,541028E+22	1,304385E+22	9,363183E+21	5,588161E+21	2,730480E+21	1,322175E+21	1,322194E+21	2,730579E+21	5,588397E+21
-1862	9,363429E+21	1,304389E+22	1,540994E+22	1,540962E+22	1,304331E+22	9,362907E+21	5,588087E+21	2,730521E+21	1,322293E+21	1,322366E+21	2,730693E+21	5,588173E+21
-1861	9,362713E+21	1,304286E+22	1,540916E+22	1,540945E+22	1,304346E+22	9,363201E+21	5,588490E+21	2,730917E+21	1,322558E+21	1,322498E+21	2,730736E+21	5,588281E+21
-1860	9,363117E+21	1,304346E+22	1,540947E+22	1,540937E+22	1,304314E+22	9,362750E+21	5,588102E+21	2,730754E+21	1,322615E+21	1,322708E+21	2,731099E+21	5,588680E+21
-1859	9,363250E+21	1,304315E+22	1,540871E+22	1,540856E+22	1,304290E+22	9,363013E+21	5,588457E+21	2,730985E+21	1,322733E+21	1,322746E+21	2,730967E+21	5,588253E+21
-1858	9,362567E+21	1,304262E+22	1,540883E+22	1,540897E+22	1,304308E+22	9,363130E+21	5,588669E+21	2,731220E+21	1,322880E+21	1,322804E+21	2,730991E+21	5,588448E+21
-1857	9,363194E+21	1,304335E+22	1,540916E+22	1,540890E+22	1,304273E+22	9,362618E+21	5,588208E+21	2,730947E+21	1,322809E+21	1,322896E+21	2,731213E+21	5,588523E+21
-1856	9,362761E+21	1,304249E+22	1,540823E+22	1,540847E+22	1,304296E+22	9,363103E+21	5,588623E+21	2,731178E+21	1,322859E+21	1,322796E+21	2,730951E+21	5,588180E+21
-1855	9,362497E+21	1,304262E+22	1,540885E+22	1,540901E+22	1,304315E+22	9,363075E+21	5,588484E+21	2,731042E+21	1,322772E+21	1,322758E+21	2,731051E+21	5,588640E+21
-1854	9,363331E+21	1,304329E+22	1,540903E+22	1,540883E+22	1,304283E+22	9,362756E+21	5,588184E+21	2,730756E+21	1,322565E+21	1,322644E+21	2,730967E+21	5,588386E+21
-1853	9,362844E+21	1,304275E+22	1,540871E+22	1,540899E+22	1,304324E+22	9,363176E+21	5,588509E+21	2,730900E+21	1,322507E+21	1,322417E+21	2,730623E+21	5,588157E+21
-1852	9,363088E+21	1,304370E+22	1,540985E+22	1,540965E+22	1,304334E+22	9,362877E+21	5,588074E+21	2,730559E+21	1,322320E+21	1,322353E+21	2,730728E+21	5,588472E+21
-1851	9,363408E+21	1,304381E+22	1,540982E+22	1,540953E+22	1,304335E+22	9,363010E+21	5,588134E+21	2,730471E+21	1,322175E+21	1,322197E+21	2,730479E+21	5,587998E+21
-1850	9,362710E+21	1,304319E+22	1,540991E+22	1,541024E+22	1,304394E+22	9,363345E+21	5,588355E+21	2,730599E+21	1,322174E+21	1,322086E+21	2,730341E+21	5,588070E+21
-1849	9,363312E+21	1,304410E+22	1,541047E+22	1,541040E+22	1,304382E+22	9,362964E+21	5,587882E+21	2,730251E+21	1,322032E+21	1,322127E+21	2,730575E+21	5,588318E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,363174E+21	1,304352E+22	1,540961E+22	1,540972E+22	1,304378E+22	9,363337E+21	5,588266E+21	2,730460E+21	1,322085E+21	1,322060E+21	2,730341E+21	5,587955E+21
-1847	9,362785E+21	1,304336E+22	1,540994E+22	1,541006E+22	1,304389E+22	9,363402E+21	5,588368E+21	2,730591E+21	1,322201E+21	1,322156E+21	2,730468E+21	5,588284E+21
-1846	9,363488E+21	1,304403E+22	1,541012E+22	1,540977E+22	1,304330E+22	9,362842E+21	5,588019E+21	2,730448E+21	1,322226E+21	1,322316E+21	2,730683E+21	5,588235E+21
-1845	9,362938E+21	1,304311E+22	1,540915E+22	1,540931E+22	1,304334E+22	9,363121E+21	5,588414E+21	2,730824E+21	1,322463E+21	1,322402E+21	2,730614E+21	5,588052E+21
-1844	9,362782E+21	1,304329E+22	1,540954E+22	1,540948E+22	1,304328E+22	9,362896E+21	5,588206E+21	2,730804E+21	1,322599E+21	1,322635E+21	2,730980E+21	5,588588E+21
-1843	9,363251E+21	1,304327E+22	1,540902E+22	1,540875E+22	1,304278E+22	9,362761E+21	5,588231E+21	2,730860E+21	1,322703E+21	1,322793E+21	2,731094E+21	5,588414E+21
-1842	9,362623E+21	1,304231E+22	1,540835E+22	1,540869E+22	1,304298E+22	9,363095E+21	5,588678E+21	2,731269E+21	1,322952E+21	1,322881E+21	2,731046E+21	5,588392E+21
-1841	9,362997E+21	1,304306E+22	1,540878E+22	1,540862E+22	1,304266E+22	9,362668E+21	5,588331E+21	2,731131E+21	1,323009E+21	1,323090E+21	2,731415E+21	5,588756E+21
-1840	9,362977E+21	1,304257E+22	1,540796E+22	1,540779E+22	1,304232E+22	9,362810E+21	5,588628E+21	2,731369E+21	1,323152E+21	1,323148E+21	2,731293E+21	5,588351E+21
-1839	9,362329E+21	1,304198E+22	1,540796E+22	1,540820E+22	1,304264E+22	9,363028E+21	5,588831E+21	2,731568E+21	1,323284E+21	1,323208E+21	2,731336E+21	5,588545E+21
-1838	9,362927E+21	1,304273E+22	1,540831E+22	1,540812E+22	1,304227E+22	9,362512E+21	5,588367E+21	2,731273E+21	1,323186E+21	1,323281E+21	2,731566E+21	5,588710E+21
-1837	9,362656E+21	1,304201E+22	1,540744E+22	1,540764E+22	1,304237E+22	9,362870E+21	5,588692E+21	2,731430E+21	1,323177E+21	1,323133E+21	2,731276E+21	5,588403E+21
-1836	9,362511E+21	1,304228E+22	1,540816E+22	1,540827E+22	1,304261E+22	9,362833E+21	5,588540E+21	2,731287E+21	1,323065E+21	1,323049E+21	2,731301E+21	5,588755E+21
-1835	9,363271E+21	1,304300E+22	1,540846E+22	1,540816E+22	1,304236E+22	9,362612E+21	5,588305E+21	2,731023E+21	1,322862E+21	1,322935E+21	2,731217E+21	5,588495E+21
-1834	9,362735E+21	1,304245E+22	1,540834E+22	1,540859E+22	1,304287E+22	9,363027E+21	5,588622E+21	2,731168E+21	1,322806E+21	1,322702E+21	2,730838E+21	5,588175E+21
-1833	9,362876E+21	1,304332E+22	1,540940E+22	1,540926E+22	1,304306E+22	9,362787E+21	5,588205E+21	2,730836E+21	1,322630E+21	1,322666E+21	2,731007E+21	5,588539E+21
-1832	9,363098E+21	1,304317E+22	1,540908E+22	1,540893E+22	1,304297E+22	9,362890E+21	5,588252E+21	2,730761E+21	1,322517E+21	1,322541E+21	2,730790E+21	5,588161E+21
-1831	9,362571E+21	1,304259E+22	1,540899E+22	1,540941E+22	1,304353E+22	9,363316E+21	5,588533E+21	2,730907E+21	1,322530E+21	1,322447E+21	2,730655E+21	5,588194E+21
-1830	9,363154E+21	1,304358E+22	1,540960E+22	1,540951E+22	1,304328E+22	9,362860E+21	5,588090E+21	2,730609E+21	1,322416E+21	1,322501E+21	2,730887E+21	5,588455E+21
-1829	9,363093E+21	1,304313E+22	1,540886E+22	1,540884E+22	1,304307E+22	9,363044E+21	5,588368E+21	2,730788E+21	1,322473E+21	1,322449E+21	2,730675E+21	5,588098E+21
-1828	9,362664E+21	1,304294E+22	1,540924E+22	1,540930E+22	1,304324E+22	9,363065E+21	5,588434E+21	2,730926E+21	1,322604E+21	1,322557E+21	2,730805E+21	5,588381E+21
-1827	9,363239E+21	1,304346E+22	1,540934E+22	1,540903E+22	1,304279E+22	9,362635E+21	5,588126E+21	2,730784E+21	1,322637E+21	1,322743E+21	2,731086E+21	5,588440E+21
-1826	9,362739E+21	1,304250E+22	1,540839E+22	1,540864E+22	1,304290E+22	9,362972E+21	5,588537E+21	2,731143E+21	1,322855E+21	1,322807E+21	2,730978E+21	5,588227E+21
-1825	9,362637E+21	1,304277E+22	1,540875E+22	1,540874E+22	1,304284E+22	9,362811E+21	5,588399E+21	2,731148E+21	1,322988E+21	1,323037E+21	2,731355E+21	5,588773E+21
-1824	9,363081E+21	1,304268E+22	1,540811E+22	1,540786E+22	1,304220E+22	9,362606E+21	5,588428E+21	2,731248E+21	1,323130E+21	1,323207E+21	2,731445E+21	5,588582E+21
-1823	9,362523E+21	1,304181E+22	1,540743E+22	1,540773E+22	1,304243E+22	9,363022E+21	5,588915E+21	2,731679E+21	1,323396E+21	1,323309E+21	2,731383E+21	5,588453E+21
-1822	9,362729E+21	1,304253E+22	1,540802E+22	1,540781E+22	1,304209E+22	9,362516E+21	5,588557E+21	2,731558E+21	1,323466E+21	1,323528E+21	2,731770E+21	5,588864E+21
-1821	9,362743E+21	1,304198E+22	1,540714E+22	1,540700E+22	1,304171E+22	9,362517E+21	5,588712E+21	2,731707E+21	1,323567E+21	1,323574E+21	2,731680E+21	5,588540E+21
-1820	9,362154E+21	1,304138E+22	1,540706E+22	1,540739E+22	1,304210E+22	9,362772E+21	5,588893E+21	2,731860E+21	1,323649E+21	1,323585E+21	2,731686E+21	5,588729E+21
-1819	9,362784E+21	1,304219E+22	1,540745E+22	1,540729E+22	1,304177E+22	9,362369E+21	5,588491E+21	2,731552E+21	1,323515E+21	1,323621E+21	2,731895E+21	5,588932E+21
-1818	9,362615E+21	1,304163E+22	1,540682E+22	1,540699E+22	1,304189E+22	9,362711E+21	5,588809E+21	2,731693E+21	1,323472E+21	1,323416E+21	2,731500E+21	5,588485E+21
-1817	9,362443E+21	1,304208E+22	1,540774E+22	1,540773E+22	1,304220E+22	9,362706E+21	5,588683E+21	2,731565E+21	1,323363E+21	1,323336E+21	2,731533E+21	5,588790E+21
-1816	9,363036E+21	1,304258E+22	1,540794E+22	1,540765E+22	1,304193E+22	9,362420E+21	5,588410E+21	2,731317E+21	1,323194E+21	1,323250E+21	2,731463E+21	5,588551E+21
-1815	9,362518E+21	1,304194E+22	1,540763E+22	1,540802E+22	1,304261E+22	9,362990E+21	5,588756E+21	2,731453E+21	1,323144E+21	1,323040E+21	2,731119E+21	5,588231E+21
-1814	9,362590E+21	1,304275E+22	1,540867E+22	1,540864E+22	1,304274E+22	9,362753E+21	5,588380E+21	2,731140E+21	1,322972E+21	1,323008E+21	2,731309E+21	5,588692E+21
-1813	9,362967E+21	1,304265E+22	1,540827E+22	1,540816E+22	1,304244E+22	9,362697E+21	5,588352E+21	2,731030E+21	1,322842E+21	1,322882E+21	2,731110E+21	5,588363E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,362537E+21	1,304218E+22	1,540816E+22	1,540858E+22	1,304296E+22	9,363089E+21	5,588638E+21	2,731200E+21	1,322865E+21	1,322781E+21	2,730946E+21	5,588319E+21
-1811	9,363022E+21	1,304318E+22	1,540888E+22	1,540869E+22	1,304270E+22	9,362677E+21	5,588238E+21	2,730935E+21	1,322783E+21	1,322868E+21	2,731212E+21	5,588601E+21
-1810	9,362924E+21	1,304270E+22	1,540830E+22	1,540822E+22	1,304253E+22	9,362797E+21	5,588474E+21	2,731113E+21	1,322854E+21	1,322828E+21	2,730993E+21	5,588200E+21
-1809	9,362458E+21	1,304247E+22	1,540859E+22	1,540868E+22	1,304279E+22	9,362875E+21	5,588546E+21	2,731253E+21	1,322998E+21	1,322968E+21	2,731187E+21	5,588542E+21
-1808	9,362975E+21	1,304278E+22	1,540842E+22	1,540822E+22	1,304227E+22	9,362456E+21	5,588258E+21	2,731135E+21	1,323058E+21	1,323170E+21	2,731475E+21	5,588674E+21
-1807	9,362647E+21	1,304192E+22	1,540737E+22	1,540770E+22	1,304242E+22	9,362914E+21	5,588743E+21	2,731518E+21	1,323284E+21	1,323237E+21	2,731346E+21	5,588382E+21
-1806	9,362484E+21	1,304227E+22	1,540788E+22	1,540783E+22	1,304227E+22	9,362707E+21	5,588652E+21	2,731574E+21	1,323437E+21	1,323463E+21	2,731693E+21	5,588904E+21
-1805	9,362943E+21	1,304222E+22	1,540733E+22	1,540698E+22	1,304152E+22	9,362340E+21	5,588580E+21	2,731638E+21	1,323573E+21	1,323643E+21	2,731803E+21	5,588706E+21
-1804	9,362326E+21	1,304131E+22	1,540665E+22	1,540695E+22	1,304183E+22	9,362738E+21	5,589033E+21	2,732051E+21	1,323824E+21	1,323733E+21	2,731737E+21	5,588542E+21
-1803	9,362401E+21	1,304187E+22	1,540716E+22	1,540704E+22	1,304162E+22	9,362362E+21	5,588696E+21	2,731902E+21	1,323872E+21	1,323943E+21	2,732156E+21	5,589053E+21
-1802	9,362519E+21	1,304137E+22	1,540637E+22	1,540630E+22	1,304125E+22	9,362368E+21	5,588832E+21	2,732004E+21	1,323921E+21	1,323936E+21	2,732011E+21	5,588722E+21
-1801	9,362055E+21	1,304093E+22	1,540632E+22	1,540665E+22	1,304163E+22	9,362636E+21	5,589033E+21	2,732145E+21	1,323973E+21	1,323917E+21	2,731995E+21	5,588889E+21
-1800	9,362651E+21	1,304171E+22	1,540666E+22	1,540649E+22	1,304124E+22	9,362199E+21	5,588631E+21	2,731862E+21	1,323855E+21	1,323945E+21	2,732164E+21	5,589073E+21
-1799	9,362567E+21	1,304132E+22	1,540616E+22	1,540625E+22	1,304144E+22	9,362611E+21	5,588960E+21	2,732002E+21	1,323818E+21	1,323750E+21	2,731755E+21	5,588519E+21
-1798	9,362212E+21	1,304168E+22	1,540721E+22	1,540717E+22	1,304178E+22	9,362564E+21	5,588835E+21	2,731890E+21	1,323721E+21	1,323678E+21	2,731804E+21	5,588873E+21
-1797	9,362830E+21	1,304208E+22	1,540729E+22	1,540708E+22	1,304152E+22	9,362198E+21	5,588452E+21	2,731571E+21	1,323525E+21	1,323596E+21	2,731778E+21	5,588712E+21
-1796	9,362382E+21	1,304144E+22	1,540685E+22	1,540733E+22	1,304218E+22	9,362806E+21	5,588822E+21	2,731697E+21	1,323448E+21	1,323359E+21	2,731416E+21	5,588384E+21
-1795	9,362431E+21	1,304224E+22	1,540786E+22	1,540787E+22	1,304231E+22	9,362660E+21	5,588525E+21	2,731410E+21	1,323279E+21	1,323324E+21	2,731602E+21	5,588866E+21
-1794	9,362883E+21	1,304228E+22	1,540766E+22	1,540747E+22	1,304194E+22	9,362531E+21	5,588480E+21	2,731310E+21	1,323152E+21	1,323182E+21	2,731355E+21	5,588456E+21
-1793	9,362437E+21	1,304190E+22	1,540764E+22	1,540793E+22	1,304245E+22	9,362901E+21	5,588771E+21	2,731506E+21	1,323206E+21	1,323121E+21	2,731232E+21	5,588393E+21
-1792	9,362758E+21	1,304265E+22	1,540818E+22	1,540801E+22	1,304218E+22	9,362453E+21	5,588357E+21	2,731277E+21	1,323176E+21	1,323254E+21	2,731541E+21	5,588740E+21
-1791	9,362736E+21	1,304215E+22	1,540745E+22	1,540745E+22	1,304213E+22	9,362697E+21	5,588611E+21	2,731454E+21	1,323266E+21	1,323248E+21	2,731357E+21	5,588331E+21
-1790	9,362212E+21	1,304189E+22	1,540777E+22	1,540790E+22	1,304234E+22	9,362778E+21	5,588741E+21	2,731629E+21	1,323424E+21	1,323390E+21	2,731556E+21	5,588749E+21
-1789	9,362871E+21	1,304222E+22	1,540751E+22	1,540734E+22	1,304168E+22	9,362236E+21	5,588395E+21	2,731491E+21	1,323479E+21	1,323597E+21	2,731853E+21	5,588884E+21
-1788	9,362580E+21	1,304146E+22	1,540648E+22	1,540678E+22	1,304180E+22	9,362691E+21	5,588911E+21	2,731903E+21	1,323711E+21	1,323656E+21	2,731695E+21	5,588505E+21
-1787	9,362264E+21	1,304175E+22	1,540710E+22	1,540698E+22	1,304168E+22	9,362546E+21	5,588860E+21	2,731983E+21	1,323884E+21	1,323902E+21	2,732064E+21	5,589028E+21
-1786	9,362669E+21	1,304165E+22	1,540664E+22	1,540628E+22	1,304097E+22	9,362115E+21	5,588725E+21	2,732017E+21	1,324006E+21	1,324070E+21	2,732165E+21	5,588822E+21
-1785	9,362062E+21	1,304071E+22	1,540584E+22	1,540621E+22	1,304137E+22	9,362568E+21	5,589160E+21	2,732389E+21	1,324234E+21	1,324160E+21	2,732135E+21	5,588722E+21
-1784	9,362131E+21	1,304112E+22	1,540613E+22	1,540611E+22	1,304106E+22	9,362186E+21	5,588829E+21	2,732238E+21	1,324271E+21	1,324346E+21	2,732524E+21	5,589288E+21
-1783	9,362458E+21	1,304082E+22	1,540536E+22	1,540533E+22	1,304074E+22	9,362265E+21	5,588993E+21	2,732333E+21	1,324298E+21	1,324310E+21	2,732326E+21	5,588863E+21
-1782	9,361953E+21	1,304055E+22	1,540563E+22	1,540586E+22	1,304109E+22	9,362482E+21	5,589207E+21	2,732490E+21	1,324342E+21	1,324262E+21	2,732264E+21	5,589013E+21
-1781	9,362575E+21	1,304136E+22	1,540608E+22	1,540581E+22	1,304067E+22	9,361926E+21	5,588706E+21	2,732156E+21	1,324203E+21	1,324287E+21	2,732441E+21	5,589168E+21
-1780	9,362426E+21	1,304095E+22	1,540561E+22	1,540570E+22	1,304101E+22	9,362375E+21	5,589023E+21	2,732268E+21	1,324136E+21	1,324073E+21	2,732029E+21	5,588588E+21
-1779	9,361951E+21	1,304117E+22	1,540658E+22	1,540663E+22	1,304148E+22	9,362486E+21	5,588942E+21	2,732139E+21	1,324024E+21	1,323995E+21	2,732095E+21	5,589004E+21
-1778	9,362627E+21	1,304159E+22	1,540671E+22	1,540654E+22	1,304119E+22	9,362111E+21	5,588557E+21	2,731800E+21	1,323797E+21	1,323877E+21	2,732030E+21	5,588842E+21
-1777	9,362291E+21	1,304107E+22	1,540621E+22	1,540668E+22	1,304181E+22	9,362721E+21	5,588955E+21	2,731944E+21	1,323728E+21	1,323649E+21	2,731679E+21	5,588502E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,362276E+21	1,304174E+22	1,540708E+22	1,540707E+22	1,304181E+22	9,362524E+21	5,588681E+21	2,731721E+21	1,323612E+21	1,323640E+21	2,731859E+21	5,588981E+21
-1775	9,362789E+21	1,304191E+22	1,540695E+22	1,540669E+22	1,304147E+22	9,362409E+21	5,588645E+21	2,731653E+21	1,323530E+21	1,323548E+21	2,731644E+21	5,588518E+21
-1774	9,362192E+21	1,304143E+22	1,540703E+22	1,540728E+22	1,304196E+22	9,362699E+21	5,588917E+21	2,731872E+21	1,323618E+21	1,323520E+21	2,731569E+21	5,588543E+21
-1773	9,362569E+21	1,304205E+22	1,540738E+22	1,540726E+22	1,304165E+22	9,362191E+21	5,588420E+21	2,731594E+21	1,323583E+21	1,323679E+21	2,731935E+21	5,588967E+21
-1772	9,362636E+21	1,304162E+22	1,540658E+22	1,540660E+22	1,304158E+22	9,362476E+21	5,588713E+21	2,731770E+21	1,323655E+21	1,323656E+21	2,731734E+21	5,588531E+21
-1771	9,362072E+21	1,304135E+22	1,540688E+22	1,540701E+22	1,304181E+22	9,362659E+21	5,588922E+21	2,731980E+21	1,323826E+21	1,323796E+21	2,731910E+21	5,588920E+21
-1770	9,362740E+21	1,304180E+22	1,540684E+22	1,540656E+22	1,304114E+22	9,362067E+21	5,588565E+21	2,731858E+21	1,323887E+21	1,323991E+21	2,732167E+21	5,588982E+21
-1769	9,362406E+21	1,304105E+22	1,540583E+22	1,540602E+22	1,304126E+22	9,362506E+21	5,589081E+21	2,732281E+21	1,324139E+21	1,324083E+21	2,732048E+21	5,588584E+21
-1768	9,361901E+21	1,304099E+22	1,540617E+22	1,540616E+22	1,304116E+22	9,362361E+21	5,589029E+21	2,732384E+21	1,324338E+21	1,324348E+21	2,732445E+21	5,589179E+21
-1767	9,362423E+21	1,304095E+22	1,540561E+22	1,540538E+22	1,304053E+22	9,362020E+21	5,588896E+21	2,732392E+21	1,324447E+21	1,324518E+21	2,732562E+21	5,588990E+21
-1766	9,361828E+21	1,304006E+22	1,540491E+22	1,540529E+22	1,304080E+22	9,362424E+21	5,589345E+21	2,732760E+21	1,324650E+21	1,324571E+21	2,732504E+21	5,588964E+21
-1765	9,362079E+21	1,304057E+22	1,540520E+22	1,540516E+22	1,304041E+22	9,361934E+21	5,588934E+21	2,732558E+21	1,324652E+21	1,324733E+21	2,732869E+21	5,589500E+21
-1764	9,362473E+21	1,304051E+22	1,540464E+22	1,540446E+22	1,304010E+22	9,362007E+21	5,589100E+21	2,732642E+21	1,324651E+21	1,324660E+21	2,732616E+21	5,588965E+21
-1763	9,361810E+21	1,304020E+22	1,540508E+22	1,540521E+22	1,304059E+22	9,362305E+21	5,589334E+21	2,732798E+21	1,324693E+21	1,324608E+21	2,732549E+21	5,589090E+21
-1762	9,362357E+21	1,304097E+22	1,540565E+22	1,540537E+22	1,304031E+22	9,361745E+21	5,588785E+21	2,732427E+21	1,324526E+21	1,324609E+21	2,732708E+21	5,589243E+21
-1761	9,362213E+21	1,304049E+22	1,540504E+22	1,540520E+22	1,304073E+22	9,362282E+21	5,589111E+21	2,732505E+21	1,324437E+21	1,324392E+21	2,732322E+21	5,588706E+21
-1760	9,361702E+21	1,304050E+22	1,540574E+22	1,540592E+22	1,304111E+22	9,362425E+21	5,589092E+21	2,732413E+21	1,324333E+21	1,324303E+21	2,732367E+21	5,589154E+21
-1759	9,362541E+21	1,304111E+22	1,540586E+22	1,540574E+22	1,304080E+22	9,362075E+21	5,588738E+21	2,732100E+21	1,324121E+21	1,324190E+21	2,732281E+21	5,588919E+21
-1758	9,362146E+21	1,304070E+22	1,540560E+22	1,540593E+22	1,304129E+22	9,362586E+21	5,589138E+21	2,732283E+21	1,324082E+21	1,323975E+21	2,731935E+21	5,588612E+21
-1757	9,362164E+21	1,304131E+22	1,540644E+22	1,540634E+22	1,304122E+22	9,362246E+21	5,588759E+21	2,732031E+21	1,323981E+21	1,324008E+21	2,732167E+21	5,589099E+21
-1756	9,362648E+21	1,304146E+22	1,540629E+22	1,540602E+22	1,304095E+22	9,362145E+21	5,588709E+21	2,731948E+21	1,323893E+21	1,323926E+21	2,731987E+21	5,588657E+21
-1755	9,361979E+21	1,304089E+22	1,540632E+22	1,540661E+22	1,304155E+22	9,362563E+21	5,589018E+21	2,732161E+21	1,323984E+21	1,323909E+21	2,731937E+21	5,588741E+21
-1754	9,362419E+21	1,304155E+22	1,540671E+22	1,540657E+22	1,304120E+22	9,362045E+21	5,588537E+21	2,731885E+21	1,323934E+21	1,324041E+21	2,732261E+21	5,589143E+21
-1753	9,362558E+21	1,304120E+22	1,540586E+22	1,540585E+22	1,304112E+22	9,362359E+21	5,588868E+21	2,732087E+21	1,324027E+21	1,324038E+21	2,732067E+21	5,588668E+21
-1752	9,361884E+21	1,304077E+22	1,540601E+22	1,540611E+22	1,304125E+22	9,362531E+21	5,589134E+21	2,732375E+21	1,324252E+21	1,324206E+21	2,732238E+21	5,589022E+21
-1751	9,362540E+21	1,304125E+22	1,540597E+22	1,540568E+22	1,304062E+22	9,361947E+21	5,588786E+21	2,732286E+21	1,324356E+21	1,324444E+21	2,732526E+21	5,589050E+21
-1750	9,362075E+21	1,304039E+22	1,540501E+22	1,540521E+22	1,304071E+22	9,362325E+21	5,589273E+21	2,732713E+21	1,324621E+21	1,324550E+21	2,732453E+21	5,588782E+21
-1749	9,361688E+21	1,304022E+22	1,540511E+22	1,540518E+22	1,304053E+22	9,362102E+21	5,589128E+21	2,732746E+21	1,324789E+21	1,324814E+21	2,732876E+21	5,589430E+21
-1748	9,362335E+21	1,304035E+22	1,540460E+22	1,540435E+22	1,303984E+22	9,361769E+21	5,589018E+21	2,732729E+21	1,324848E+21	1,324936E+21	2,732951E+21	5,589214E+21
-1747	9,361752E+21	1,303958E+22	1,540407E+22	1,540437E+22	1,304019E+22	9,362226E+21	5,589483E+21	2,733087E+21	1,325030E+21	1,324954E+21	2,732840E+21	5,589127E+21
-1746	9,361999E+21	1,304027E+22	1,540468E+22	1,540445E+22	1,303984E+22	9,361713E+21	5,589049E+21	2,732867E+21	1,325005E+21	1,325074E+21	2,733137E+21	5,589575E+21
-1745	9,362337E+21	1,304022E+22	1,540422E+22	1,540394E+22	1,303968E+22	9,361831E+21	5,589197E+21	2,732925E+21	1,324994E+21	1,325006E+21	2,732895E+21	5,589005E+21
-1744	9,361503E+21	1,303960E+22	1,540441E+22	1,540465E+22	1,304027E+22	9,362208E+21	5,589467E+21	2,733100E+21	1,325040E+21	1,324950E+21	2,732833E+21	5,589170E+21
-1743	9,362131E+21	1,304039E+22	1,540485E+22	1,540475E+22	1,304008E+22	9,361761E+21	5,588955E+21	2,732723E+21	1,324864E+21	1,324944E+21	2,732992E+21	5,589332E+21
-1742	9,361981E+21	1,303993E+22	1,540432E+22	1,540453E+22	1,304035E+22	9,362235E+21	5,589302E+21	2,732815E+21	1,324764E+21	1,324706E+21	2,732602E+21	5,588889E+21
-1741	9,361630E+21	1,303994E+22	1,540488E+22	1,540508E+22	1,304058E+22	9,362247E+21	5,589209E+21	2,732698E+21	1,324657E+21	1,324628E+21	2,732653E+21	5,589307E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,362516E+21	1,304078E+22	1,540519E+22	1,540491E+22	1,304017E+22	9,361847E+21	5,588857E+21	2,732390E+21	1,324444E+21	1,324517E+21	2,732567E+21	5,589026E+21
-1739	9,362004E+21	1,304033E+22	1,540504E+22	1,540526E+22	1,304074E+22	9,362357E+21	5,589231E+21	2,732573E+21	1,324428E+21	1,324330E+21	2,732247E+21	5,588727E+21
-1738	9,361987E+21	1,304092E+22	1,540595E+22	1,540580E+22	1,304077E+22	9,362010E+21	5,588803E+21	2,732294E+21	1,324319E+21	1,324359E+21	2,732485E+21	5,589248E+21
-1737	9,362526E+21	1,304104E+22	1,540567E+22	1,540541E+22	1,304056E+22	9,361985E+21	5,588760E+21	2,732189E+21	1,324227E+21	1,324288E+21	2,732324E+21	5,588821E+21
-1736	9,361800E+21	1,304025E+22	1,540542E+22	1,540580E+22	1,304109E+22	9,362469E+21	5,589176E+21	2,732472E+21	1,324343E+21	1,324271E+21	2,732251E+21	5,588901E+21
-1735	9,362338E+21	1,304107E+22	1,540583E+22	1,540573E+22	1,304077E+22	9,361996E+21	5,588757E+21	2,732256E+21	1,324334E+21	1,324423E+21	2,732557E+21	5,589214E+21
-1734	9,362351E+21	1,304073E+22	1,540517E+22	1,540504E+22	1,304055E+22	9,362227E+21	5,589106E+21	2,732512E+21	1,324470E+21	1,324449E+21	2,732393E+21	5,588786E+21
-1733	9,361671E+21	1,304012E+22	1,540513E+22	1,540524E+22	1,304062E+22	9,362286E+21	5,589287E+21	2,732778E+21	1,324716E+21	1,324667E+21	2,732625E+21	5,589146E+21
-1732	9,362302E+21	1,304062E+22	1,540507E+22	1,540478E+22	1,303998E+22	9,361706E+21	5,588927E+21	2,732666E+21	1,324803E+21	1,324906E+21	2,732946E+21	5,589222E+21
-1731	9,361822E+21	1,303971E+22	1,540408E+22	1,540430E+22	1,304012E+22	9,362141E+21	5,589413E+21	2,733067E+21	1,325052E+21	1,325001E+21	2,732876E+21	5,589007E+21
-1730	9,361557E+21	1,303968E+22	1,540429E+22	1,540431E+22	1,303992E+22	9,361881E+21	5,589245E+21	2,733072E+21	1,325180E+21	1,325214E+21	2,733237E+21	5,589634E+21
-1729	9,362300E+21	1,303996E+22	1,540386E+22	1,540354E+22	1,303929E+22	9,361575E+21	5,589131E+21	2,733041E+21	1,325226E+21	1,325320E+21	2,733279E+21	5,589349E+21
-1728	9,361600E+21	1,303909E+22	1,540332E+22	1,540357E+22	1,303965E+22	9,362073E+21	5,589657E+21	2,733445E+21	1,325423E+21	1,325331E+21	2,733141E+21	5,589216E+21
-1727	9,361821E+21	1,303981E+22	1,540400E+22	1,540381E+22	1,303945E+22	9,361612E+21	5,589237E+21	2,733240E+21	1,325412E+21	1,325462E+21	2,733439E+21	5,589612E+21
-1726	9,362013E+21	1,303964E+22	1,540360E+22	1,540340E+22	1,303932E+22	9,361735E+21	5,589369E+21	2,733278E+21	1,325386E+21	1,325385E+21	2,733228E+21	5,589171E+21
-1725	9,361303E+21	1,303890E+22	1,540348E+22	1,540387E+22	1,303982E+22	9,362067E+21	5,589574E+21	2,733388E+21	1,325395E+21	1,325320E+21	2,733173E+21	5,589349E+21
-1724	9,362029E+21	1,303986E+22	1,540397E+22	1,540387E+22	1,303952E+22	9,361613E+21	5,589094E+21	2,732997E+21	1,325176E+21	1,325268E+21	2,733291E+21	5,589489E+21
-1723	9,361901E+21	1,303953E+22	1,540361E+22	1,540374E+22	1,303980E+22	9,362070E+21	5,589429E+21	2,733089E+21	1,325074E+21	1,325017E+21	2,732876E+21	5,589017E+21
-1722	9,361572E+21	1,303970E+22	1,540439E+22	1,540441E+22	1,304000E+22	9,362000E+21	5,589285E+21	2,732956E+21	1,324957E+21	1,324922E+21	2,732894E+21	5,589382E+21
-1721	9,362401E+21	1,304049E+22	1,540476E+22	1,540441E+22	1,303974E+22	9,361625E+21	5,588899E+21	2,732628E+21	1,324751E+21	1,324835E+21	2,732842E+21	5,589101E+21
-1720	9,361770E+21	1,303979E+22	1,540439E+22	1,540470E+22	1,304038E+22	9,362216E+21	5,589316E+21	2,732834E+21	1,324751E+21	1,324662E+21	2,732546E+21	5,588856E+21
-1719	9,361828E+21	1,304040E+22	1,540519E+22	1,540518E+22	1,304047E+22	9,361970E+21	5,588958E+21	2,732590E+21	1,324663E+21	1,324702E+21	2,732780E+21	5,589357E+21
-1718	9,362335E+21	1,304053E+22	1,540498E+22	1,540476E+22	1,304016E+22	9,361926E+21	5,588960E+21	2,732526E+21	1,324590E+21	1,324637E+21	2,732631E+21	5,589008E+21
-1717	9,361722E+21	1,303970E+22	1,540451E+22	1,540491E+22	1,304053E+22	9,362308E+21	5,589343E+21	2,732827E+21	1,324741E+21	1,324662E+21	2,732576E+21	5,589016E+21
-1716	9,362206E+21	1,304063E+22	1,540505E+22	1,540482E+22	1,304009E+22	9,361800E+21	5,588959E+21	2,732646E+21	1,324757E+21	1,324839E+21	2,732902E+21	5,589304E+21
-1715	9,362090E+21	1,304016E+22	1,540443E+22	1,540427E+22	1,303993E+22	9,361993E+21	5,589270E+21	2,732911E+21	1,324927E+21	1,324910E+21	2,732798E+21	5,588928E+21
-1714	9,361418E+21	1,303951E+22	1,540432E+22	1,540445E+22	1,304004E+22	9,362029E+21	5,589386E+21	2,733133E+21	1,325153E+21	1,325118E+21	2,733043E+21	5,589350E+21
-1713	9,362125E+21	1,304001E+22	1,540417E+22	1,540393E+22	1,303943E+22	9,361502E+21	5,589016E+21	2,732982E+21	1,325218E+21	1,325347E+21	2,733361E+21	5,589447E+21
-1712	9,361664E+21	1,303904E+22	1,540305E+22	1,540331E+22	1,303951E+22	9,361969E+21	5,589571E+21	2,733418E+21	1,325462E+21	1,325415E+21	2,733243E+21	5,589208E+21
-1711	9,361502E+21	1,303923E+22	1,540340E+22	1,540343E+22	1,303939E+22	9,361749E+21	5,589445E+21	2,733461E+21	1,325604E+21	1,325616E+21	2,733552E+21	5,589722E+21
-1710	9,362113E+21	1,303955E+22	1,540325E+22	1,540284E+22	1,303876E+22	9,361420E+21	5,589334E+21	2,733442E+21	1,325654E+21	1,325718E+21	2,733600E+21	5,589473E+21
-1709	9,361395E+21	1,303850E+22	1,540253E+22	1,540286E+22	1,303914E+22	9,361867E+21	5,589786E+21	2,733801E+21	1,325841E+21	1,325748E+21	2,733492E+21	5,589325E+21
-1708	9,361594E+21	1,303926E+22	1,540323E+22	1,540308E+22	1,303897E+22	9,361475E+21	5,589390E+21	2,733561E+21	1,325786E+21	1,325848E+21	2,733791E+21	5,589756E+21
-1707	9,361780E+21	1,303903E+22	1,540279E+22	1,540267E+22	1,303888E+22	9,361627E+21	5,589513E+21	2,733568E+21	1,325727E+21	1,325741E+21	2,733563E+21	5,589347E+21
-1706	9,361199E+21	1,303845E+22	1,540273E+22	1,540312E+22	1,303932E+22	9,361900E+21	5,589678E+21	2,733640E+21	1,325690E+21	1,325623E+21	2,733452E+21	5,589507E+21
-1705	9,361993E+21	1,303956E+22	1,540334E+22	1,540315E+22	1,303902E+22	9,361426E+21	5,589165E+21	2,733232E+21	1,325464E+21	1,325559E+21	2,733536E+21	5,589576E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,361757E+21	1,303914E+22	1,540297E+22	1,540302E+22	1,303926E+22	9,361883E+21	5,589546E+21	2,733371E+21	1,325387E+21	1,325320E+21	2,733121E+21	5,589089E+21
-1703	9,361423E+21	1,303932E+22	1,540382E+22	1,540389E+22	1,303963E+22	9,361841E+21	5,589408E+21	2,733264E+21	1,325302E+21	1,325252E+21	2,733159E+21	5,589434E+21
-1702	9,362140E+21	1,304001E+22	1,540420E+22	1,540393E+22	1,303941E+22	9,361503E+21	5,589024E+21	2,732933E+21	1,325100E+21	1,325175E+21	2,733153E+21	5,589288E+21
-1701	9,361623E+21	1,303918E+22	1,540352E+22	1,540396E+22	1,303994E+22	9,362072E+21	5,589420E+21	2,733115E+21	1,325099E+21	1,325024E+21	2,732876E+21	5,589032E+21
-1700	9,361743E+21	1,303995E+22	1,540438E+22	1,540433E+22	1,303991E+22	9,361841E+21	5,589136E+21	2,732901E+21	1,325010E+21	1,325054E+21	2,733085E+21	5,589485E+21
-1699	9,362193E+21	1,304009E+22	1,540426E+22	1,540398E+22	1,303961E+22	9,361768E+21	5,589136E+21	2,732873E+21	1,324975E+21	1,325017E+21	2,732945E+21	5,589107E+21
-1698	9,361567E+21	1,303933E+22	1,540387E+22	1,540416E+22	1,303994E+22	9,362076E+21	5,589477E+21	2,733177E+21	1,325142E+21	1,325060E+21	2,732906E+21	5,589106E+21
-1697	9,361966E+21	1,304012E+22	1,540435E+22	1,540415E+22	1,303959E+22	9,361575E+21	5,589050E+21	2,732982E+21	1,325175E+21	1,325267E+21	2,733272E+21	5,589420E+21
-1696	9,361783E+21	1,303943E+22	1,540347E+22	1,540345E+22	1,303943E+22	9,361834E+21	5,589417E+21	2,733272E+21	1,325356E+21	1,325351E+21	2,733205E+21	5,589134E+21
-1695	9,361241E+21	1,303886E+22	1,540332E+22	1,540359E+22	1,303955E+22	9,361906E+21	5,589575E+21	2,733514E+21	1,325586E+21	1,325550E+21	2,733427E+21	5,589536E+21
-1694	9,361951E+21	1,303943E+22	1,540330E+22	1,540308E+22	1,303888E+22	9,361366E+21	5,589225E+21	2,733378E+21	1,325647E+21	1,325763E+21	2,733739E+21	5,589697E+21
-1693	9,361609E+21	1,303851E+22	1,540208E+22	1,540231E+22	1,303885E+22	9,361750E+21	5,589728E+21	2,733796E+21	1,325897E+21	1,325847E+21	2,733608E+21	5,589363E+21
-1692	9,361390E+21	1,303883E+22	1,540266E+22	1,540252E+22	1,303869E+22	9,361535E+21	5,589638E+21	2,733849E+21	1,326034E+21	1,326040E+21	2,733903E+21	5,589821E+21
-1691	9,361860E+21	1,303902E+22	1,540258E+22	1,540220E+22	1,303826E+22	9,361218E+21	5,589479E+21	2,733813E+21	1,326085E+21	1,326150E+21	2,733974E+21	5,589603E+21
-1690	9,361180E+21	1,303798E+22	1,540177E+22	1,540216E+22	1,303867E+22	9,361668E+21	5,589872E+21	2,734103E+21	1,326216E+21	1,326136E+21	2,733847E+21	5,589491E+21
-1689	9,361403E+21	1,303870E+22	1,540242E+22	1,540234E+22	1,303853E+22	9,361333E+21	5,589474E+21	2,733820E+21	1,326116E+21	1,326192E+21	2,734097E+21	5,589904E+21
-1688	9,361618E+21	1,303846E+22	1,540191E+22	1,540185E+22	1,303837E+22	9,361500E+21	5,589662E+21	2,733853E+21	1,326041E+21	1,326051E+21	2,733832E+21	5,589483E+21
-1687	9,361131E+21	1,303807E+22	1,540200E+22	1,540238E+22	1,303884E+22	9,361763E+21	5,589843E+21	2,733953E+21	1,326016E+21	1,325923E+21	2,733676E+21	5,589545E+21
-1686	9,361792E+21	1,303921E+22	1,540285E+22	1,540261E+22	1,303858E+22	9,361274E+21	5,589316E+21	2,733548E+21	1,325798E+21	1,325868E+21	2,733791E+21	5,589687E+21
-1685	9,361580E+21	1,303865E+22	1,540230E+22	1,540241E+22	1,303882E+22	9,361665E+21	5,589610E+21	2,733645E+21	1,325728E+21	1,325666E+21	2,733420E+21	5,589199E+21
-1684	9,361250E+21	1,303889E+22	1,540317E+22	1,540323E+22	1,303919E+22	9,361700E+21	5,589520E+21	2,733531E+21	1,325627E+21	1,325592E+21	2,733471E+21	5,589577E+21
-1683	9,361956E+21	1,303951E+22	1,540352E+22	1,540333E+22	1,303902E+22	9,361389E+21	5,589149E+21	2,733208E+21	1,325429E+21	1,325516E+21	2,733464E+21	5,589455E+21
-1682	9,361554E+21	1,303882E+22	1,540281E+22	1,540325E+22	1,303947E+22	9,361908E+21	5,589530E+21	2,733387E+21	1,325419E+21	1,325352E+21	2,733170E+21	5,589179E+21
-1681	9,361650E+21	1,303960E+22	1,540373E+22	1,540361E+22	1,303943E+22	9,361682E+21	5,589252E+21	2,733197E+21	1,325359E+21	1,325401E+21	2,733365E+21	5,589557E+21
-1680	9,361964E+21	1,303959E+22	1,540352E+22	1,540321E+22	1,303907E+22	9,361600E+21	5,589312E+21	2,733235E+21	1,325374E+21	1,325409E+21	2,733275E+21	5,589213E+21
-1679	9,361334E+21	1,303876E+22	1,540306E+22	1,540346E+22	1,303948E+22	9,361908E+21	5,589650E+21	2,733570E+21	1,325583E+21	1,325491E+21	2,733274E+21	5,589230E+21
-1678	9,361663E+21	1,303945E+22	1,540348E+22	1,540340E+22	1,303914E+22	9,361435E+21	5,589217E+21	2,733365E+21	1,325616E+21	1,325707E+21	2,733689E+21	5,589689E+21
-1677	9,361634E+21	1,303871E+22	1,540234E+22	1,540240E+22	1,303880E+22	9,361618E+21	5,589548E+21	2,733632E+21	1,325795E+21	1,325804E+21	2,733621E+21	5,589383E+21
-1676	9,361194E+21	1,303839E+22	1,540237E+22	1,540251E+22	1,303880E+22	9,361687E+21	5,589762E+21	2,733892E+21	1,326014E+21	1,325980E+21	2,733802E+21	5,589721E+21
-1675	9,361836E+21	1,303900E+22	1,540252E+22	1,540219E+22	1,303822E+22	9,361135E+21	5,589398E+21	2,733774E+21	1,326091E+21	1,326196E+21	2,734090E+21	5,589813E+21
-1674	9,361461E+21	1,303815E+22	1,540143E+22	1,540156E+22	1,303824E+22	9,361490E+21	5,589849E+21	2,734157E+21	1,326320E+21	1,326269E+21	2,733958E+21	5,589467E+21
-1673	9,361149E+21	1,303833E+22	1,540201E+22	1,540190E+22	1,303825E+22	9,361333E+21	5,589724E+21	2,734174E+21	1,326439E+21	1,326450E+21	2,734243E+21	5,589908E+21
-1672	9,361536E+21	1,303831E+22	1,540168E+22	1,540145E+22	1,303786E+22	9,361126E+21	5,589641E+21	2,734144E+21	1,326469E+21	1,326539E+21	2,734320E+21	5,589758E+21
-1671	9,360980E+21	1,303736E+22	1,540087E+22	1,540142E+22	1,303829E+22	9,361602E+21	5,590062E+21	2,734439E+21	1,326582E+21	1,326491E+21	2,734150E+21	5,589620E+21
-1670	9,361206E+21	1,303815E+22	1,540162E+22	1,540160E+22	1,303810E+22	9,361242E+21	5,589665E+21	2,734154E+21	1,326463E+21	1,326518E+21	2,734383E+21	5,590079E+21
-1669	9,361521E+21	1,303797E+22	1,540105E+22	1,540095E+22	1,303778E+22	9,361294E+21	5,589790E+21	2,734168E+21	1,326394E+21	1,326396E+21	2,734117E+21	5,589596E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,361019E+21	1,303775E+22	1,540141E+22	1,540160E+22	1,303821E+22	9,361530E+21	5,589976E+21	2,734263E+21	1,326366E+21	1,326270E+21	2,733971E+21	5,589640E+21
-1667	9,361570E+21	1,303875E+22	1,540230E+22	1,540207E+22	1,303816E+22	9,361062E+21	5,589397E+21	2,733839E+21	1,326151E+21	1,326230E+21	2,734113E+21	5,589827E+21
-1666	9,361447E+21	1,303826E+22	1,540167E+22	1,540181E+22	1,303843E+22	9,361474E+21	5,589641E+21	2,733869E+21	1,326037E+21	1,326001E+21	2,733742E+21	5,589389E+21
-1665	9,361162E+21	1,303848E+22	1,540250E+22	1,540259E+22	1,303881E+22	9,361563E+21	5,589569E+21	2,733747E+21	1,325917E+21	1,325897E+21	2,733737E+21	5,589708E+21
-1664	9,361837E+21	1,303905E+22	1,540276E+22	1,540260E+22	1,303860E+22	9,361297E+21	5,589305E+21	2,733493E+21	1,325742E+21	1,325823E+21	2,733718E+21	5,589565E+21
-1663	9,361454E+21	1,303844E+22	1,540215E+22	1,540258E+22	1,303904E+22	9,361794E+21	5,589720E+21	2,733735E+21	1,325782E+21	1,325688E+21	2,733422E+21	5,589214E+21
-1662	9,361366E+21	1,303910E+22	1,540313E+22	1,540303E+22	1,303901E+22	9,361559E+21	5,589446E+21	2,733574E+21	1,325756E+21	1,325777E+21	2,733682E+21	5,589680E+21
-1661	9,361705E+21	1,303892E+22	1,540262E+22	1,540240E+22	1,303855E+22	9,361402E+21	5,589441E+21	2,733594E+21	1,325800E+21	1,325844E+21	2,733666E+21	5,589387E+21
-1660	9,361135E+21	1,303818E+22	1,540215E+22	1,540249E+22	1,303885E+22	9,361734E+21	5,589815E+21	2,733924E+21	1,326004E+21	1,325928E+21	2,733679E+21	5,589445E+21
-1659	9,361484E+21	1,303883E+22	1,540257E+22	1,540251E+22	1,303856E+22	9,361250E+21	5,589376E+21	2,733730E+21	1,326043E+21	1,326145E+21	2,734083E+21	5,589917E+21
-1658	9,361611E+21	1,303832E+22	1,540148E+22	1,540145E+22	1,303813E+22	9,361350E+21	5,589650E+21	2,733969E+21	1,326202E+21	1,326220E+21	2,733987E+21	5,589568E+21
-1657	9,361114E+21	1,303802E+22	1,540165E+22	1,540166E+22	1,303819E+22	9,361439E+21	5,589861E+21	2,734238E+21	1,326431E+21	1,326388E+21	2,734123E+21	5,589803E+21
-1656	9,361588E+21	1,303846E+22	1,540179E+22	1,540145E+22	1,303769E+22	9,360948E+21	5,589575E+21	2,734169E+21	1,326532E+21	1,326627E+21	2,734445E+21	5,589917E+21
-1655	9,361186E+21	1,303753E+22	1,540066E+22	1,540093E+22	1,303784E+22	9,361348E+21	5,590029E+21	2,734558E+21	1,326768E+21	1,326705E+21	2,734324E+21	5,589578E+21
-1654	9,360804E+21	1,303759E+22	1,540114E+22	1,540121E+22	1,303789E+22	9,361275E+21	5,589921E+21	2,734545E+21	1,326853E+21	1,326861E+21	2,734621E+21	5,590122E+21
-1653	9,361345E+21	1,303758E+22	1,540058E+22	1,540045E+22	1,303729E+22	9,360983E+21	5,589801E+21	2,734484E+21	1,326863E+21	1,326939E+21	2,734678E+21	5,589952E+21
-1652	9,360901E+21	1,303691E+22	1,539998E+22	1,540036E+22	1,303760E+22	9,361425E+21	5,590240E+21	2,734771E+21	1,326950E+21	1,326855E+21	2,734462E+21	5,589761E+21
-1651	9,361079E+21	1,303773E+22	1,540093E+22	1,540081E+22	1,303751E+22	9,361022E+21	5,589795E+21	2,734482E+21	1,326831E+21	1,326876E+21	2,734670E+21	5,590181E+21
-1650	9,361428E+21	1,303767E+22	1,540050E+22	1,540029E+22	1,303723E+22	9,361006E+21	5,589825E+21	2,734430E+21	1,326726E+21	1,326738E+21	2,734416E+21	5,589718E+21
-1649	9,360875E+21	1,303738E+22	1,540091E+22	1,540110E+22	1,303783E+22	9,361310E+21	5,589976E+21	2,734484E+21	1,326671E+21	1,326588E+21	2,734249E+21	5,589748E+21
-1648	9,361371E+21	1,303823E+22	1,540163E+22	1,540150E+22	1,303785E+22	9,360987E+21	5,589509E+21	2,734084E+21	1,326445E+21	1,326535E+21	2,734395E+21	5,589977E+21
-1647	9,361336E+21	1,303781E+22	1,540103E+22	1,540126E+22	1,303813E+22	9,361427E+21	5,589800E+21	2,734143E+21	1,326335E+21	1,326292E+21	2,733988E+21	5,589497E+21
-1646	9,361017E+21	1,303805E+22	1,540187E+22	1,540199E+22	1,303849E+22	9,361536E+21	5,589764E+21	2,734053E+21	1,326232E+21	1,326194E+21	2,733984E+21	5,589817E+21
-1645	9,361692E+21	1,303856E+22	1,540197E+22	1,540176E+22	1,303807E+22	9,361157E+21	5,589472E+21	2,733831E+21	1,326111E+21	1,326179E+21	2,734001E+21	5,589641E+21
-1644	9,361272E+21	1,303803E+22	1,540150E+22	1,540174E+22	1,303841E+22	9,361602E+21	5,589898E+21	2,734101E+21	1,326189E+21	1,326091E+21	2,733765E+21	5,589326E+21
-1643	9,361089E+21	1,303845E+22	1,540234E+22	1,540230E+22	1,303851E+22	9,361347E+21	5,589573E+21	2,733940E+21	1,326189E+21	1,326216E+21	2,734068E+21	5,589854E+21
-1642	9,361548E+21	1,303836E+22	1,540171E+22	1,540151E+22	1,303797E+22	9,361155E+21	5,589510E+21	2,733905E+21	1,326203E+21	1,326274E+21	2,734078E+21	5,589639E+21
-1641	9,361057E+21	1,303768E+22	1,540131E+22	1,540160E+22	1,303824E+22	9,361475E+21	5,589874E+21	2,734225E+21	1,326392E+21	1,326328E+21	2,734030E+21	5,589624E+21
-1640	9,361369E+21	1,303832E+22	1,540171E+22	1,540158E+22	1,303795E+22	9,361067E+21	5,589546E+21	2,734093E+21	1,326452E+21	1,326547E+21	2,734418E+21	5,590054E+21
-1639	9,361477E+21	1,303788E+22	1,540081E+22	1,540072E+22	1,303761E+22	9,361178E+21	5,589837E+21	2,734369E+21	1,326642E+21	1,326638E+21	2,734308E+21	5,589630E+21
-1638	9,360822E+21	1,303745E+22	1,540098E+22	1,540105E+22	1,303778E+22	9,361321E+21	5,590058E+21	2,734646E+21	1,326880E+21	1,326824E+21	2,734487E+21	5,589917E+21
-1637	9,361279E+21	1,303771E+22	1,540080E+22	1,540060E+22	1,303722E+22	9,360816E+21	5,589746E+21	2,734562E+21	1,326991E+21	1,327090E+21	2,734850E+21	5,590081E+21
-1636	9,360947E+21	1,303687E+22	1,539971E+22	1,539994E+22	1,303726E+22	9,361246E+21	5,590238E+21	2,734933E+21	1,327199E+21	1,327146E+21	2,734728E+21	5,589786E+21
-1635	9,360599E+21	1,303688E+22	1,540017E+22	1,540031E+22	1,303734E+22	9,361131E+21	5,590105E+21	2,734910E+21	1,327263E+21	1,327273E+21	2,734982E+21	5,590315E+21
-1634	9,361310E+21	1,303717E+22	1,539971E+22	1,539948E+22	1,303663E+22	9,360741E+21	5,589902E+21	2,734789E+21	1,327225E+21	1,327311E+21	2,735014E+21	5,590131E+21
-1633	9,360856E+21	1,303660E+22	1,539936E+22	1,539955E+22	1,303696E+22	9,361136E+21	5,590286E+21	2,735048E+21	1,327291E+21	1,327193E+21	2,734735E+21	5,589844E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,360907E+21	1,303731E+22	1,540035E+22	1,540018E+22	1,303702E+22	9,360821E+21	5,589900E+21	2,734779E+21	1,327175E+21	1,327219E+21	2,734965E+21	5,590289E+21
-1631	9,361256E+21	1,303722E+22	1,539997E+22	1,539986E+22	1,303693E+22	9,360863E+21	5,589915E+21	2,734709E+21	1,327058E+21	1,327066E+21	2,734701E+21	5,589829E+21
-1630	9,360669E+21	1,303686E+22	1,540030E+22	1,540062E+22	1,303760E+22	9,361283E+21	5,590111E+21	2,734745E+21	1,326973E+21	1,326893E+21	2,734532E+21	5,589912E+21
-1629	9,361255E+21	1,303769E+22	1,540080E+22	1,540073E+22	1,303744E+22	9,360915E+21	5,589662E+21	2,734365E+21	1,326760E+21	1,326847E+21	2,734660E+21	5,590098E+21
-1628	9,361261E+21	1,303747E+22	1,540035E+22	1,540039E+22	1,303757E+22	9,361327E+21	5,589992E+21	2,734455E+21	1,326667E+21	1,326612E+21	2,734243E+21	5,589568E+21
-1627	9,360817E+21	1,303757E+22	1,540124E+22	1,540132E+22	1,303799E+22	9,361385E+21	5,589934E+21	2,734398E+21	1,326606E+21	1,326554E+21	2,734258E+21	5,589864E+21
-1626	9,361509E+21	1,303815E+22	1,540132E+22	1,540105E+22	1,303752E+22	9,360899E+21	5,589541E+21	2,734130E+21	1,326483E+21	1,326565E+21	2,734343E+21	5,589770E+21
-1625	9,361071E+21	1,303751E+22	1,540079E+22	1,540103E+22	1,303791E+22	9,361350E+21	5,589924E+21	2,734377E+21	1,326557E+21	1,326474E+21	2,734109E+21	5,589477E+21
-1624	9,360887E+21	1,303782E+22	1,540147E+22	1,540149E+22	1,303803E+22	9,361210E+21	5,589706E+21	2,734252E+21	1,326564E+21	1,326605E+21	2,734434E+21	5,590068E+21
-1623	9,361456E+21	1,303782E+22	1,540092E+22	1,540077E+22	1,303748E+22	9,360996E+21	5,589661E+21	2,734244E+21	1,326590E+21	1,326658E+21	2,734413E+21	5,589805E+21
-1622	9,360940E+21	1,303720E+22	1,540056E+22	1,540084E+22	1,303777E+22	9,361364E+21	5,590060E+21	2,734588E+21	1,326792E+21	1,326721E+21	2,734367E+21	5,589768E+21
-1621	9,361208E+21	1,303778E+22	1,540085E+22	1,540064E+22	1,303733E+22	9,360889E+21	5,589738E+21	2,734501E+21	1,326908E+21	1,326992E+21	2,734781E+21	5,590159E+21
-1620	9,361246E+21	1,303736E+22	1,540006E+22	1,539983E+22	1,303698E+22	9,361002E+21	5,590043E+21	2,734792E+21	1,327123E+21	1,327118E+21	2,734720E+21	5,589770E+21
-1619	9,360510E+21	1,303668E+22	1,540006E+22	1,540026E+22	1,303731E+22	9,361176E+21	5,590236E+21	2,735057E+21	1,327362E+21	1,327312E+21	2,734911E+21	5,590099E+21
-1618	9,361107E+21	1,303707E+22	1,539977E+22	1,539961E+22	1,303662E+22	9,360618E+21	5,589864E+21	2,734903E+21	1,327417E+21	1,327538E+21	2,735273E+21	5,590331E+21
-1617	9,360867E+21	1,303634E+22	1,539879E+22	1,539895E+22	1,303659E+22	9,360994E+21	5,590331E+21	2,735249E+21	1,327582E+21	1,327531E+21	2,735064E+21	5,589957E+21
-1616	9,360502E+21	1,303638E+22	1,539931E+22	1,539937E+22	1,303670E+22	9,360938E+21	5,590268E+21	2,735252E+21	1,327636E+21	1,327636E+21	2,735286E+21	5,590433E+21
-1615	9,361182E+21	1,303677E+22	1,539914E+22	1,539885E+22	1,303611E+22	9,360530E+21	5,590040E+21	2,735126E+21	1,327594E+21	1,327660E+21	2,735289E+21	5,590195E+21
-1614	9,360641E+21	1,303616E+22	1,539886E+22	1,539910E+22	1,303662E+22	9,360999E+21	5,590404E+21	2,735348E+21	1,327636E+21	1,327536E+21	2,735036E+21	5,589948E+21
-1613	9,360681E+21	1,303673E+22	1,539958E+22	1,539950E+22	1,303665E+22	9,360718E+21	5,590024E+21	2,735073E+21	1,327523E+21	1,327570E+21	2,735274E+21	5,590418E+21
-1612	9,361094E+21	1,303676E+22	1,539930E+22	1,539914E+22	1,303651E+22	9,360817E+21	5,590082E+21	2,734994E+21	1,327387E+21	1,327400E+21	2,735000E+21	5,589976E+21
-1611	9,360524E+21	1,303632E+22	1,539956E+22	1,539996E+22	1,303721E+22	9,361203E+21	5,590277E+21	2,735046E+21	1,327304E+21	1,327216E+21	2,734790E+21	5,590005E+21
-1610	9,361189E+21	1,303734E+22	1,540007E+22	1,539993E+22	1,303691E+22	9,360742E+21	5,589772E+21	2,734640E+21	1,327078E+21	1,327166E+21	2,734928E+21	5,590194E+21
-1609	9,361139E+21	1,303713E+22	1,539981E+22	1,539970E+22	1,303699E+22	9,361066E+21	5,590059E+21	2,734734E+21	1,326999E+21	1,326939E+21	2,734510E+21	5,589629E+21
-1608	9,360582E+21	1,303701E+22	1,540055E+22	1,540066E+22	1,303751E+22	9,361196E+21	5,590055E+21	2,734713E+21	1,326970E+21	1,326924E+21	2,734591E+21	5,589988E+21
-1607	9,361280E+21	1,303755E+22	1,540063E+22	1,540048E+22	1,303713E+22	9,360742E+21	5,589646E+21	2,734434E+21	1,326852E+21	1,326942E+21	2,734695E+21	5,589949E+21
-1606	9,360912E+21	1,303695E+22	1,540001E+22	1,540033E+22	1,303750E+22	9,361244E+21	5,590048E+21	2,734667E+21	1,326911E+21	1,326847E+21	2,734469E+21	5,589693E+21
-1605	9,360807E+21	1,303727E+22	1,540050E+22	1,540051E+22	1,303742E+22	9,361049E+21	5,589868E+21	2,734595E+21	1,326956E+21	1,326996E+21	2,734772E+21	5,590235E+21
-1604	9,361396E+21	1,303746E+22	1,540017E+22	1,539981E+22	1,303682E+22	9,360833E+21	5,589854E+21	2,734624E+21	1,327015E+21	1,327071E+21	2,734750E+21	5,589918E+21
-1603	9,360736E+21	1,303667E+22	1,539985E+22	1,540009E+22	1,303722E+22	9,361184E+21	5,590253E+21	2,735002E+21	1,327254E+21	1,327170E+21	2,734717E+21	5,589848E+21
-1602	9,360995E+21	1,303725E+22	1,540005E+22	1,539985E+22	1,303677E+22	9,360670E+21	5,589867E+21	2,734877E+21	1,327360E+21	1,327456E+21	2,735191E+21	5,590317E+21
-1601	9,361009E+21	1,303674E+22	1,539922E+22	1,539902E+22	1,303643E+22	9,360787E+21	5,590150E+21	2,735142E+21	1,327553E+21	1,327558E+21	2,735116E+21	5,589944E+21
-1600	9,360282E+21	1,303595E+22	1,539905E+22	1,539935E+22	1,303678E+22	9,361067E+21	5,590433E+21	2,735424E+21	1,327778E+21	1,327738E+21	2,735305E+21	5,590303E+21
-1599	9,360961E+21	1,303647E+22	1,539890E+22	1,539879E+22	1,303607E+22	9,360461E+21	5,590043E+21	2,735266E+21	1,327816E+21	1,327927E+21	2,735609E+21	5,590490E+21
-1598	9,360749E+21	1,303587E+22	1,539802E+22	1,539814E+22	1,303606E+22	9,360844E+21	5,590499E+21	2,735595E+21	1,327962E+21	1,327904E+21	2,735384E+21	5,590082E+21
-1597	9,360346E+21	1,303590E+22	1,539852E+22	1,539849E+22	1,303606E+22	9,360719E+21	5,590430E+21	2,735623E+21	1,328046E+21	1,328030E+21	2,735610E+21	5,590534E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1596	9,360991E+21	1,303633E+22	1,539850E+22	1,539811E+22	1,303557E+22	9,360344E+21	5,590179E+21	2,735475E+21	1,328000E+21	1,328061E+21	2,735635E+21	5,590320E+21
-1595	9,360387E+21	1,303553E+22	1,539811E+22	1,539851E+22	1,303627E+22	9,360882E+21	5,590529E+21	2,735663E+21	1,328016E+21	1,327921E+21	2,735368E+21	5,590103E+21
-1594	9,360581E+21	1,303627E+22	1,539878E+22	1,539873E+22	1,303618E+22	9,360569E+21	5,590112E+21	2,735325E+21	1,327845E+21	1,327911E+21	2,735593E+21	5,590600E+21
-1593	9,361029E+21	1,303637E+22	1,539862E+22	1,539840E+22	1,303598E+22	9,360611E+21	5,590156E+21	2,735238E+21	1,327679E+21	1,327689E+21	2,735239E+21	5,590069E+21
-1592	9,360411E+21	1,303591E+22	1,539887E+22	1,539925E+22	1,303674E+22	9,361078E+21	5,590426E+21	2,735331E+21	1,327612E+21	1,327517E+21	2,735034E+21	5,590060E+21
-1591	9,360988E+21	1,303692E+22	1,539957E+22	1,539944E+22	1,303648E+22	9,360565E+21	5,589892E+21	2,734935E+21	1,327406E+21	1,327478E+21	2,735177E+21	5,590241E+21
-1590	9,360898E+21	1,303664E+22	1,539924E+22	1,539922E+22	1,303666E+22	9,360934E+21	5,590166E+21	2,735011E+21	1,327327E+21	1,327279E+21	2,734827E+21	5,589757E+21
-1589	9,360366E+21	1,303641E+22	1,539968E+22	1,539987E+22	1,303703E+22	9,361063E+21	5,590188E+21	2,735019E+21	1,327331E+21	1,327294E+21	2,734938E+21	5,590170E+21
-1588	9,361154E+21	1,303707E+22	1,539982E+22	1,539961E+22	1,303659E+22	9,360634E+21	5,589812E+21	2,734755E+21	1,327225E+21	1,327323E+21	2,735047E+21	5,590152E+21
-1587	9,360812E+21	1,303643E+22	1,539918E+22	1,539955E+22	1,303700E+22	9,361103E+21	5,590216E+21	2,735013E+21	1,327305E+21	1,327238E+21	2,734791E+21	5,589844E+21
-1586	9,360779E+21	1,303693E+22	1,539971E+22	1,539959E+22	1,303677E+22	9,360822E+21	5,589997E+21	2,734937E+21	1,327359E+21	1,327400E+21	2,735113E+21	5,590364E+21
-1585	9,361252E+21	1,303707E+22	1,539956E+22	1,539906E+22	1,303617E+22	9,360536E+21	5,589962E+21	2,734989E+21	1,327441E+21	1,327489E+21	2,735093E+21	5,590009E+21
-1584	9,360461E+21	1,303603E+22	1,539903E+22	1,539937E+22	1,303673E+22	9,361013E+21	5,590428E+21	2,735401E+21	1,327710E+21	1,327629E+21	2,735123E+21	5,589987E+21
-1583	9,360677E+21	1,303652E+22	1,539920E+22	1,539915E+22	1,303633E+22	9,360539E+21	5,590041E+21	2,735264E+21	1,327808E+21	1,327903E+21	2,735592E+21	5,590505E+21
-1582	9,360801E+21	1,303607E+22	1,539827E+22	1,539818E+22	1,303594E+22	9,360688E+21	5,590343E+21	2,735506E+21	1,327970E+21	1,327988E+21	2,735517E+21	5,590157E+21
-1581	9,360145E+21	1,303531E+22	1,539791E+22	1,539822E+22	1,303607E+22	9,360891E+21	5,590644E+21	2,735825E+21	1,328213E+21	1,328161E+21	2,735666E+21	5,590462E+21
-1580	9,360830E+21	1,303602E+22	1,539806E+22	1,539777E+22	1,303538E+22	9,360274E+21	5,590238E+21	2,735668E+21	1,328258E+21	1,328351E+21	2,735955E+21	5,590611E+21
-1579	9,360540E+21	1,303534E+22	1,539729E+22	1,539741E+22	1,303550E+22	9,360613E+21	5,590639E+21	2,735973E+21	1,328399E+21	1,328329E+21	2,735719E+21	5,590184E+21
-1578	9,360178E+21	1,303542E+22	1,539775E+22	1,539774E+22	1,303552E+22	9,360468E+21	5,590497E+21	2,735932E+21	1,328438E+21	1,328436E+21	2,735977E+21	5,590700E+21
-1577	9,360816E+21	1,303584E+22	1,539783E+22	1,539747E+22	1,303511E+22	9,360127E+21	5,590235E+21	2,735740E+21	1,328337E+21	1,328409E+21	2,735953E+21	5,590482E+21
-1576	9,360236E+21	1,303499E+22	1,539733E+22	1,539783E+22	1,303588E+22	9,360799E+21	5,590677E+21	2,735936E+21	1,328327E+21	1,328243E+21	2,735664E+21	5,590250E+21
-1575	9,360446E+21	1,303582E+22	1,539815E+22	1,539815E+22	1,303579E+22	9,360481E+21	5,590264E+21	2,735600E+21	1,328140E+21	1,328192E+21	2,735822E+21	5,590684E+21
-1574	9,360907E+21	1,303603E+22	1,539805E+22	1,539780E+22	1,303559E+22	9,360518E+21	5,590307E+21	2,735507E+21	1,327971E+21	1,327980E+21	2,735482E+21	5,590127E+21
-1573	9,360216E+21	1,303546E+22	1,539814E+22	1,539849E+22	1,303620E+22	9,360903E+21	5,590578E+21	2,735652E+21	1,327960E+21	1,327854E+21	2,735317E+21	5,590138E+21
-1572	9,360754E+21	1,303644E+22	1,539889E+22	1,539876E+22	1,303603E+22	9,360417E+21	5,590016E+21	2,735254E+21	1,327778E+21	1,327851E+21	2,735511E+21	5,590389E+21
-1571	9,360678E+21	1,303603E+22	1,539843E+22	1,539856E+22	1,303626E+22	9,360793E+21	5,590278E+21	2,735315E+21	1,327699E+21	1,327659E+21	2,735167E+21	5,589959E+21
-1570	9,360332E+21	1,303598E+22	1,539882E+22	1,539898E+22	1,303644E+22	9,360845E+21	5,590276E+21	2,735299E+21	1,327681E+21	1,327662E+21	2,735284E+21	5,590387E+21
-1569	9,361132E+21	1,303674E+22	1,539913E+22	1,539880E+22	1,303596E+22	9,360358E+21	5,589901E+21	2,735053E+21	1,327573E+21	1,327665E+21	2,735332E+21	5,590273E+21
-1568	9,360694E+21	1,303603E+22	1,539850E+22	1,539881E+22	1,303646E+22	9,360931E+21	5,590381E+21	2,735362E+21	1,327692E+21	1,327620E+21	2,735103E+21	5,589920E+21
-1567	9,360522E+21	1,303645E+22	1,539917E+22	1,539905E+22	1,303632E+22	9,360649E+21	5,590156E+21	2,735307E+21	1,327774E+21	1,327802E+21	2,735436E+21	5,590434E+21
-1566	9,360953E+21	1,303646E+22	1,539881E+22	1,539848E+22	1,303583E+22	9,360437E+21	5,590127E+21	2,735347E+21	1,327863E+21	1,327924E+21	2,735485E+21	5,590150E+21
-1565	9,360175E+21	1,303529E+22	1,539794E+22	1,539842E+22	1,303620E+22	9,360913E+21	5,590644E+21	2,735806E+21	1,328165E+21	1,328087E+21	2,735541E+21	5,590195E+21
-1564	9,360467E+21	1,303585E+22	1,539814E+22	1,539812E+22	1,303573E+22	9,360421E+21	5,590261E+21	2,735676E+21	1,328267E+21	1,328357E+21	2,735994E+21	5,590713E+21
-1563	9,360635E+21	1,303541E+22	1,539723E+22	1,539720E+22	1,303533E+22	9,360508E+21	5,590542E+21	2,735919E+21	1,328427E+21	1,328434E+21	2,735886E+21	5,590338E+21
-1562	9,360091E+21	1,303489E+22	1,539701E+22	1,539715E+22	1,303528E+22	9,360579E+21	5,590763E+21	2,736195E+21	1,328649E+21	1,328598E+21	2,736046E+21	5,590628E+21
-1561	9,360680E+21	1,303561E+22	1,539739E+22	1,539696E+22	1,303466E+22	9,359908E+21	5,590312E+21	2,736015E+21	1,328673E+21	1,328764E+21	2,736307E+21	5,590743E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,360321E+21	1,303479E+22	1,539654E+22	1,539674E+22	1,303505E+22	9,360423E+21	5,590742E+21	2,736296E+21	1,328795E+21	1,328740E+21	2,736095E+21	5,590353E+21
-1559	9,359961E+21	1,303487E+22	1,539708E+22	1,539716E+22	1,303516E+22	9,360347E+21	5,590607E+21	2,736220E+21	1,328787E+21	1,328789E+21	2,736292E+21	5,590867E+21
-1558	9,360696E+21	1,303535E+22	1,539710E+22	1,539685E+22	1,303478E+22	9,360068E+21	5,590381E+21	2,736003E+21	1,328643E+21	1,328725E+21	2,736234E+21	5,590610E+21
-1557	9,360119E+21	1,303453E+22	1,539648E+22	1,539697E+22	1,303536E+22	9,360690E+21	5,590866E+21	2,736255E+21	1,328657E+21	1,328553E+21	2,735912E+21	5,590324E+21
-1556	9,360264E+21	1,303544E+22	1,539750E+22	1,539740E+22	1,303530E+22	9,360367E+21	5,590443E+21	2,735935E+21	1,328492E+21	1,328519E+21	2,736067E+21	5,590718E+21
-1555	9,360639E+21	1,303551E+22	1,539742E+22	1,539723E+22	1,303518E+22	9,360364E+21	5,590447E+21	2,735833E+21	1,328335E+21	1,328332E+21	2,735761E+21	5,590214E+21
-1554	9,360050E+21	1,303499E+22	1,539738E+22	1,539774E+22	1,303569E+22	9,360679E+21	5,590641E+21	2,735924E+21	1,328305E+21	1,328217E+21	2,735659E+21	5,590318E+21
-1553	9,360608E+21	1,303598E+22	1,539820E+22	1,539806E+22	1,303552E+22	9,360181E+21	5,590078E+21	2,735512E+21	1,328099E+21	1,328185E+21	2,735825E+21	5,590584E+21
-1552	9,360591E+21	1,303556E+22	1,539767E+22	1,539785E+22	1,303582E+22	9,360651E+21	5,590395E+21	2,735591E+21	1,328026E+21	1,328000E+21	2,735483E+21	5,590135E+21
-1551	9,360235E+21	1,303561E+22	1,539823E+22	1,539835E+22	1,303600E+22	9,360687E+21	5,590402E+21	2,735598E+21	1,328018E+21	1,327988E+21	2,735550E+21	5,590495E+21
-1550	9,361018E+21	1,303640E+22	1,539858E+22	1,539820E+22	1,303554E+22	9,360229E+21	5,590057E+21	2,735374E+21	1,327936E+21	1,328029E+21	2,735633E+21	5,590344E+21
-1549	9,360445E+21	1,303549E+22	1,539771E+22	1,539801E+22	1,303591E+22	9,360759E+21	5,590577E+21	2,735765E+21	1,328132E+21	1,328048E+21	2,735465E+21	5,590023E+21
-1548	9,360190E+21	1,303577E+22	1,539828E+22	1,539827E+22	1,303588E+22	9,360547E+21	5,590351E+21	2,735720E+21	1,328247E+21	1,328271E+21	2,735843E+21	5,590597E+21
-1547	9,360661E+21	1,303568E+22	1,539777E+22	1,539760E+22	1,303536E+22	9,360325E+21	5,590320E+21	2,735750E+21	1,328333E+21	1,328398E+21	2,735903E+21	5,590388E+21
-1546	9,360090E+21	1,303468E+22	1,539679E+22	1,539722E+22	1,303545E+22	9,360668E+21	5,590789E+21	2,736178E+21	1,328608E+21	1,328542E+21	2,735959E+21	5,590445E+21
-1545	9,360398E+21	1,303538E+22	1,539724E+22	1,539708E+22	1,303493E+22	9,360084E+21	5,590380E+21	2,736045E+21	1,328689E+21	1,328772E+21	2,736344E+21	5,590880E+21
-1544	9,360509E+21	1,303494E+22	1,539644E+22	1,539631E+22	1,303465E+22	9,360236E+21	5,590675E+21	2,736291E+21	1,328857E+21	1,328862E+21	2,736246E+21	5,590461E+21
-1543	9,359860E+21	1,303442E+22	1,539644E+22	1,539654E+22	1,303476E+22	9,360327E+21	5,590864E+21	2,736540E+21	1,329057E+21	1,329001E+21	2,736384E+21	5,590745E+21
-1542	9,360459E+21	1,303509E+22	1,539673E+22	1,539640E+22	1,303433E+22	9,359794E+21	5,590432E+21	2,736318E+21	1,329047E+21	1,329157E+21	2,736661E+21	5,590879E+21
-1541	9,360090E+21	1,303418E+22	1,539565E+22	1,539594E+22	1,303461E+22	9,360350E+21	5,590931E+21	2,736633E+21	1,329172E+21	1,329118E+21	2,736433E+21	5,590517E+21
-1540	9,359786E+21	1,303432E+22	1,539624E+22	1,539639E+22	1,303477E+22	9,360313E+21	5,590811E+21	2,736561E+21	1,329156E+21	1,329143E+21	2,736579E+21	5,590982E+21
-1539	9,360533E+21	1,303483E+22	1,539629E+22	1,539611E+22	1,303437E+22	9,359993E+21	5,590574E+21	2,736344E+21	1,329005E+21	1,329064E+21	2,736491E+21	5,590705E+21
-1538	9,360029E+21	1,303417E+22	1,539575E+22	1,539608E+22	1,303472E+22	9,360458E+21	5,590984E+21	2,736566E+21	1,329009E+21	1,328901E+21	2,736208E+21	5,590431E+21
-1537	9,360070E+21	1,303500E+22	1,539692E+22	1,539674E+22	1,303472E+22	9,360052E+21	5,590507E+21	2,736228E+21	1,328833E+21	1,328859E+21	2,736361E+21	5,590830E+21
-1536	9,360416E+21	1,303495E+22	1,539671E+22	1,539662E+22	1,303478E+22	9,360184E+21	5,590519E+21	2,736104E+21	1,328674E+21	1,328693E+21	2,736108E+21	5,590402E+21
-1535	9,359893E+21	1,303453E+22	1,539678E+22	1,539714E+22	1,303529E+22	9,360516E+21	5,590706E+21	2,736164E+21	1,328612E+21	1,328538E+21	2,735963E+21	5,590519E+21
-1534	9,360572E+21	1,303560E+22	1,539754E+22	1,539740E+22	1,303513E+22	9,360076E+21	5,590190E+21	2,735753E+21	1,328394E+21	1,328495E+21	2,736100E+21	5,590717E+21
-1533	9,360516E+21	1,303519E+22	1,539694E+22	1,539702E+22	1,303529E+22	9,360512E+21	5,590562E+21	2,735914E+21	1,328376E+21	1,328336E+21	2,735753E+21	5,590226E+21
-1532	9,360069E+21	1,303521E+22	1,539759E+22	1,539765E+22	1,303554E+22	9,360562E+21	5,590575E+21	2,735963E+21	1,328420E+21	1,328366E+21	2,735829E+21	5,590529E+21
-1531	9,360711E+21	1,303579E+22	1,539784E+22	1,539758E+22	1,303517E+22	9,360109E+21	5,590233E+21	2,735760E+21	1,328372E+21	1,328451E+21	2,735970E+21	5,590456E+21
-1530	9,360224E+21	1,303488E+22	1,539678E+22	1,539710E+22	1,303535E+22	9,360564E+21	5,590708E+21	2,736124E+21	1,328567E+21	1,328501E+21	2,735888E+21	5,590241E+21
-1529	9,359979E+21	1,303511E+22	1,539734E+22	1,539733E+22	1,303524E+22	9,360309E+21	5,590493E+21	2,736080E+21	1,328664E+21	1,328699E+21	2,736235E+21	5,590815E+21
-1528	9,360515E+21	1,303505E+22	1,539676E+22	1,539662E+22	1,303475E+22	9,360148E+21	5,590490E+21	2,736120E+21	1,328757E+21	1,328835E+21	2,736303E+21	5,590603E+21
-1527	9,359979E+21	1,303424E+22	1,539603E+22	1,539630E+22	1,303478E+22	9,360420E+21	5,590921E+21	2,736538E+21	1,329022E+21	1,328949E+21	2,736300E+21	5,590598E+21
-1526	9,360286E+21	1,303497E+22	1,539656E+22	1,539628E+22	1,303434E+22	9,359862E+21	5,590518E+21	2,736401E+21	1,329107E+21	1,329193E+21	2,736693E+21	5,590978E+21
-1525	9,360270E+21	1,303439E+22	1,539565E+22	1,539550E+22	1,303407E+22	9,360008E+21	5,590833E+21	2,736692E+21	1,329312E+21	1,329310E+21	2,736630E+21	5,590600E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,359588E+21	1,303378E+22	1,539560E+22	1,539582E+22	1,303438E+22	9,360218E+21	5,591023E+21	2,736925E+21	1,329509E+21	1,329447E+21	2,736762E+21	5,590898E+21
-1523	9,360214E+21	1,303439E+22	1,539581E+22	1,539565E+22	1,303397E+22	9,359751E+21	5,590634E+21	2,736690E+21	1,329468E+21	1,329570E+21	2,737013E+21	5,591070E+21
-1522	9,360012E+21	1,303366E+22	1,539471E+22	1,539493E+22	1,303399E+22	9,360184E+21	5,591090E+21	2,736967E+21	1,329551E+21	1,329500E+21	2,736770E+21	5,590688E+21
-1521	9,359669E+21	1,303388E+22	1,539552E+22	1,539554E+22	1,303413E+22	9,360070E+21	5,590949E+21	2,736885E+21	1,329506E+21	1,329481E+21	2,736846E+21	5,591058E+21
-1520	9,360347E+21	1,303437E+22	1,539563E+22	1,539540E+22	1,303386E+22	9,359803E+21	5,590695E+21	2,736653E+21	1,329358E+21	1,329418E+21	2,736789E+21	5,590785E+21
-1519	9,359789E+21	1,303372E+22	1,539524E+22	1,539553E+22	1,303429E+22	9,360240E+21	5,591040E+21	2,736828E+21	1,329332E+21	1,329228E+21	2,736498E+21	5,590558E+21
-1518	9,359916E+21	1,303453E+22	1,539631E+22	1,539620E+22	1,303441E+22	9,359941E+21	5,590578E+21	2,736452E+21	1,329129E+21	1,329181E+21	2,736665E+21	5,590983E+21
-1517	9,360285E+21	1,303445E+22	1,539594E+22	1,539586E+22	1,303433E+22	9,360066E+21	5,590651E+21	2,736377E+21	1,328987E+21	1,329012E+21	2,736407E+21	5,590582E+21
-1516	9,359814E+21	1,303409E+22	1,539606E+22	1,539645E+22	1,303492E+22	9,360438E+21	5,590853E+21	2,736460E+21	1,328943E+21	1,328856E+21	2,736220E+21	5,590627E+21
-1515	9,360465E+21	1,303520E+22	1,539688E+22	1,539672E+22	1,303474E+22	9,359994E+21	5,590367E+21	2,736083E+21	1,328750E+21	1,328829E+21	2,736352E+21	5,590801E+21
-1514	9,360413E+21	1,303484E+22	1,539627E+22	1,539617E+22	1,303466E+22	9,360284E+21	5,590689E+21	2,736247E+21	1,328760E+21	1,328720E+21	2,736077E+21	5,590328E+21
-1513	9,359832E+21	1,303468E+22	1,539693E+22	1,539697E+22	1,303499E+22	9,360301E+21	5,590687E+21	2,736309E+21	1,328821E+21	1,328770E+21	2,736173E+21	5,590641E+21
-1512	9,360437E+21	1,303510E+22	1,539696E+22	1,539683E+22	1,303473E+22	9,359967E+21	5,590364E+21	2,736104E+21	1,328792E+21	1,328891E+21	2,736380E+21	5,590658E+21
-1511	9,360022E+21	1,303428E+22	1,539596E+22	1,539623E+22	1,303479E+22	9,360383E+21	5,590836E+21	2,736455E+21	1,328966E+21	1,328911E+21	2,736266E+21	5,590471E+21
-1510	9,359915E+21	1,303458E+22	1,539647E+22	1,539642E+22	1,303466E+22	9,360143E+21	5,590645E+21	2,736414E+21	1,329059E+21	1,329104E+21	2,736584E+21	5,590964E+21
-1509	9,360382E+21	1,303454E+22	1,539587E+22	1,539559E+22	1,303404E+22	9,359924E+21	5,590680E+21	2,736526E+21	1,329200E+21	1,329263E+21	2,736658E+21	5,590731E+21
-1508	9,359780E+21	1,303373E+22	1,539527E+22	1,539550E+22	1,303423E+22	9,360217E+21	5,591084E+21	2,736951E+21	1,329493E+21	1,329401E+21	2,736653E+21	5,590682E+21
-1507	9,359998E+21	1,303432E+22	1,539575E+22	1,539558E+22	1,303392E+22	9,359728E+21	5,590696E+21	2,736811E+21	1,329580E+21	1,329655E+21	2,737077E+21	5,591132E+21
-1506	9,360074E+21	1,303377E+22	1,539473E+22	1,539458E+22	1,303351E+22	9,359831E+21	5,590971E+21	2,737056E+21	1,329756E+21	1,329770E+21	2,737057E+21	5,590827E+21
-1505	9,359416E+21	1,303315E+22	1,539473E+22	1,539497E+22	1,303381E+22	9,360028E+21	5,591179E+21	2,737272E+21	1,329906E+21	1,329851E+21	2,737121E+21	5,591076E+21
-1504	9,360071E+21	1,303381E+22	1,539490E+22	1,539481E+22	1,303348E+22	9,359642E+21	5,590811E+21	2,737030E+21	1,329851E+21	1,329957E+21	2,737354E+21	5,591225E+21
-1503	9,359882E+21	1,303328E+22	1,539408E+22	1,539413E+22	1,303342E+22	9,359996E+21	5,591220E+21	2,737275E+21	1,329898E+21	1,329840E+21	2,737057E+21	5,590806E+21
-1502	9,359542E+21	1,303346E+22	1,539491E+22	1,539486E+22	1,303361E+22	9,359885E+21	5,591060E+21	2,737169E+21	1,329842E+21	1,329822E+21	2,737128E+21	5,591112E+21
-1501	9,360095E+21	1,303382E+22	1,539491E+22	1,539470E+22	1,303336E+22	9,359612E+21	5,590813E+21	2,736966E+21	1,329715E+21	1,329776E+21	2,737115E+21	5,590929E+21
-1500	9,359604E+21	1,303318E+22	1,539448E+22	1,539489E+22	1,303394E+22	9,360115E+21	5,591129E+21	2,737108E+21	1,329679E+21	1,329577E+21	2,736805E+21	5,590712E+21
-1499	9,359788E+21	1,303400E+22	1,539552E+22	1,539550E+22	1,303404E+22	9,359877E+21	5,590726E+21	2,736740E+21	1,329460E+21	1,329504E+21	2,736945E+21	5,591161E+21
-1498	9,360294E+21	1,303410E+22	1,539521E+22	1,539500E+22	1,303374E+22	9,359869E+21	5,590758E+21	2,736652E+21	1,329309E+21	1,329334E+21	2,736688E+21	5,590724E+21
-1497	9,359748E+21	1,303377E+22	1,539552E+22	1,539575E+22	1,303432E+22	9,360195E+21	5,590970E+21	2,736757E+21	1,329270E+21	1,329173E+21	2,736460E+21	5,590661E+21
-1496	9,360254E+21	1,303475E+22	1,539631E+22	1,539614E+22	1,303431E+22	9,359847E+21	5,590503E+21	2,736403E+21	1,329117E+21	1,329196E+21	2,736652E+21	5,590850E+21
-1495	9,360129E+21	1,303436E+22	1,539574E+22	1,539560E+22	1,303424E+22	9,360111E+21	5,590786E+21	2,736548E+21	1,329127E+21	1,329095E+21	2,736410E+21	5,590462E+21
-1494	9,359621E+21	1,303406E+22	1,539615E+22	1,539628E+22	1,303461E+22	9,360212E+21	5,590819E+21	2,736606E+21	1,329192E+21	1,329165E+21	2,736531E+21	5,590782E+21
-1493	9,360214E+21	1,303442E+22	1,539599E+22	1,539590E+22	1,303418E+22	9,359847E+21	5,590563E+21	2,736474E+21	1,329203E+21	1,329305E+21	2,736761E+21	5,590869E+21
-1492	9,359903E+21	1,303369E+22	1,539500E+22	1,539532E+22	1,303426E+22	9,360234E+21	5,591016E+21	2,736845E+21	1,329404E+21	1,329335E+21	2,736616E+21	5,590619E+21
-1491	9,359782E+21	1,303406E+22	1,539559E+22	1,539550E+22	1,303407E+22	9,359991E+21	5,590858E+21	2,736836E+21	1,329520E+21	1,329542E+21	2,736941E+21	5,591110E+21
-1490	9,360252E+21	1,303406E+22	1,539505E+22	1,539460E+22	1,303327E+22	9,359613E+21	5,590815E+21	2,736932E+21	1,329676E+21	1,329741E+21	2,737079E+21	5,590901E+21
-1489	9,359552E+21	1,303312E+22	1,539449E+22	1,539472E+22	1,303360E+22	9,359928E+21	5,591202E+21	2,737334E+21	1,329953E+21	1,329872E+21	2,737071E+21	5,590856E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,359762E+21	1,303363E+22	1,539482E+22	1,539477E+22	1,303347E+22	9,359608E+21	5,590848E+21	2,737176E+21	1,330027E+21	1,330124E+21	2,737513E+21	5,591351E+21
-1487	9,359909E+21	1,303322E+22	1,539391E+22	1,539372E+22	1,303296E+22	9,359682E+21	5,591115E+21	2,737383E+21	1,330147E+21	1,330171E+21	2,737422E+21	5,591042E+21
-1486	9,359368E+21	1,303268E+22	1,539391E+22	1,539414E+22	1,303329E+22	9,359903E+21	5,591337E+21	2,737585E+21	1,330269E+21	1,330217E+21	2,737419E+21	5,591160E+21
-1485	9,359892E+21	1,303332E+22	1,539411E+22	1,539392E+22	1,303286E+22	9,359462E+21	5,590998E+21	2,737395E+21	1,330234E+21	1,330319E+21	2,737643E+21	5,591299E+21
-1484	9,359650E+21	1,303274E+22	1,539338E+22	1,539348E+22	1,303296E+22	9,359818E+21	5,591357E+21	2,737619E+21	1,330284E+21	1,330206E+21	2,737341E+21	5,590860E+21
-1483	9,359282E+21	1,303288E+22	1,539417E+22	1,539424E+22	1,303325E+22	9,359779E+21	5,591204E+21	2,737491E+21	1,330209E+21	1,330180E+21	2,737440E+21	5,591256E+21
-1482	9,359947E+21	1,303330E+22	1,539410E+22	1,539387E+22	1,303282E+22	9,359424E+21	5,590905E+21	2,737239E+21	1,330053E+21	1,330130E+21	2,737458E+21	5,591138E+21
-1481	9,359523E+21	1,303273E+22	1,539380E+22	1,539419E+22	1,303341E+22	9,359919E+21	5,591228E+21	2,737362E+21	1,329980E+21	1,329889E+21	2,737085E+21	5,590866E+21
-1480	9,359736E+21	1,303362E+22	1,539484E+22	1,539483E+22	1,303362E+22	9,359763E+21	5,590852E+21	2,737012E+21	1,329773E+21	1,329820E+21	2,737215E+21	5,591260E+21
-1479	9,360190E+21	1,303387E+22	1,539478E+22	1,539438E+22	1,303324E+22	9,359683E+21	5,590855E+21	2,736916E+21	1,329616E+21	1,329636E+21	2,736935E+21	5,590803E+21
-1478	9,359607E+21	1,303340E+22	1,539502E+22	1,539523E+22	1,303390E+22	9,360031E+21	5,591073E+21	2,737034E+21	1,329605E+21	1,329514E+21	2,736734E+21	5,590678E+21
-1477	9,359926E+21	1,303413E+22	1,539556E+22	1,539549E+22	1,303389E+22	9,359713E+21	5,590657E+21	2,736745E+21	1,329505E+21	1,329584E+21	2,737001E+21	5,590990E+21
-1476	9,359878E+21	1,303366E+22	1,539483E+22	1,539490E+22	1,303388E+22	9,360026E+21	5,590944E+21	2,736893E+21	1,329534E+21	1,329505E+21	2,736775E+21	5,590644E+21
-1475	9,359465E+21	1,303342E+22	1,539514E+22	1,539538E+22	1,303412E+22	9,360144E+21	5,591037E+21	2,736980E+21	1,329606E+21	1,329572E+21	2,736895E+21	5,590999E+21
-1474	9,360163E+21	1,303393E+22	1,539502E+22	1,539479E+22	1,303341E+22	9,359594E+21	5,590718E+21	2,736849E+21	1,329631E+21	1,329734E+21	2,737146E+21	5,591071E+21
-1473	9,359817E+21	1,303326E+22	1,539424E+22	1,539440E+22	1,303348E+22	9,359908E+21	5,591143E+21	2,737218E+21	1,329836E+21	1,329767E+21	2,736973E+21	5,590739E+21
-1472	9,359582E+21	1,303353E+22	1,539482E+22	1,539473E+22	1,303350E+22	9,359756E+21	5,590991E+21	2,737220E+21	1,329978E+21	1,330008E+21	2,737345E+21	5,591245E+21
-1471	9,360012E+21	1,303356E+22	1,539438E+22	1,539390E+22	1,303275E+22	9,359392E+21	5,590913E+21	2,737274E+21	1,330105E+21	1,330186E+21	2,737487E+21	5,591108E+21
-1470	9,359395E+21	1,303253E+22	1,539365E+22	1,539396E+22	1,303314E+22	9,359814E+21	5,591345E+21	2,737661E+21	1,330359E+21	1,330299E+21	2,737449E+21	5,591001E+21
-1469	9,359528E+21	1,303296E+22	1,539385E+22	1,539387E+22	1,303294E+22	9,359521E+21	5,591083E+21	2,737568E+21	1,330446E+21	1,330536E+21	2,737873E+21	5,591524E+21
-1468	9,359764E+21	1,303264E+22	1,539299E+22	1,539289E+22	1,303248E+22	9,359573E+21	5,591323E+21	2,737773E+21	1,330567E+21	1,330568E+21	2,737731E+21	5,591134E+21
-1467	9,359186E+21	1,303214E+22	1,539304E+22	1,539327E+22	1,303275E+22	9,359790E+21	5,591563E+21	2,737984E+21	1,330687E+21	1,330605E+21	2,737729E+21	5,591252E+21
-1466	9,359673E+21	1,303279E+22	1,539330E+22	1,539303E+22	1,303218E+22	9,359176E+21	5,591118E+21	2,737754E+21	1,330648E+21	1,330729E+21	2,738006E+21	5,591447E+21
-1465	9,359429E+21	1,303217E+22	1,539263E+22	1,539276E+22	1,303237E+22	9,359531E+21	5,591429E+21	2,737923E+21	1,330658E+21	1,330592E+21	2,737692E+21	5,591027E+21
-1464	9,359112E+21	1,303231E+22	1,539335E+22	1,539352E+22	1,303281E+22	9,359636E+21	5,591305E+21	2,737770E+21	1,330558E+21	1,330549E+21	2,737791E+21	5,591451E+21
-1463	9,359874E+21	1,303297E+22	1,539350E+22	1,539317E+22	1,303232E+22	9,359242E+21	5,590983E+21	2,737476E+21	1,330348E+21	1,330435E+21	2,737739E+21	5,591319E+21
-1462	9,359530E+21	1,303246E+22	1,539324E+22	1,539357E+22	1,303297E+22	9,359773E+21	5,591318E+21	2,737596E+21	1,330265E+21	1,330177E+21	2,737307E+21	5,590896E+21
-1461	9,359548E+21	1,303324E+22	1,539427E+22	1,539420E+22	1,303317E+22	9,359636E+21	5,591015E+21	2,737323E+21	1,330103E+21	1,330131E+21	2,737456E+21	5,591296E+21
-1460	9,359939E+21	1,303336E+22	1,539418E+22	1,539394E+22	1,303295E+22	9,359570E+21	5,590992E+21	2,737234E+21	1,329977E+21	1,329982E+21	2,737204E+21	5,590846E+21
-1459	9,359331E+21	1,303279E+22	1,539422E+22	1,539463E+22	1,303361E+22	9,360001E+21	5,591260E+21	2,737372E+21	1,329982E+21	1,329885E+21	2,737070E+21	5,590835E+21
-1458	9,359709E+21	1,303349E+22	1,539462E+22	1,539459E+22	1,303332E+22	9,359548E+21	5,590806E+21	2,737076E+21	1,329892E+21	1,329984E+21	2,737386E+21	5,591223E+21
-1457	9,359769E+21	1,303310E+22	1,539394E+22	1,539400E+22	1,303322E+22	9,359800E+21	5,591091E+21	2,737225E+21	1,329915E+21	1,329898E+21	2,737137E+21	5,590850E+21
-1456	9,359402E+21	1,303296E+22	1,539426E+22	1,539445E+22	1,303349E+22	9,359951E+21	5,591195E+21	2,737338E+21	1,330016E+21	1,329987E+21	2,737261E+21	5,591157E+21
-1455	9,360060E+21	1,303363E+22	1,539438E+22	1,539392E+22	1,303270E+22	9,359306E+21	5,590826E+21	2,737191E+21	1,330038E+21	1,330143E+21	2,737500E+21	5,591227E+21
-1454	9,359683E+21	1,303284E+22	1,539360E+22	1,539373E+22	1,303293E+22	9,359652E+21	5,591228E+21	2,737553E+21	1,330259E+21	1,330202E+21	2,737337E+21	5,590833E+21
-1453	9,359284E+21	1,303287E+22	1,539396E+22	1,539397E+22	1,303301E+22	9,359588E+21	5,591152E+21	2,737610E+21	1,330432E+21	1,330463E+21	2,737750E+21	5,591426E+21

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°
-1452	9,359767E+21	1,303282E+22	1,539340E+22	1,539315E+22	1,303236E+22	9,359302E+21	5,591104E+21	2,737666E+21	1,330558E+21	1,330633E+21	2,737867E+21	5,591279E+21
-1451	9,359220E+21	1,303189E+22	1,539263E+22	1,539305E+22	1,303266E+22	9,359771E+21	5,591608E+21	2,738077E+21	1,330800E+21	1,330722E+21	2,737812E+21	5,591173E+21
-1450	9,359362E+21	1,303240E+22	1,539288E+22	1,539279E+22	1,303219E+22	9,359297E+21	5,591284E+21	2,737978E+21	1,330890E+21	1,330963E+21	2,738230E+21	5,591660E+21
-1449	9,359570E+21	1,303212E+22	1,539220E+22	1,539200E+22	1,303175E+22	9,359295E+21	5,591482E+21	2,738151E+21	1,330990E+21	1,330985E+21	2,738071E+21	5,591229E+21
-1448	9,358941E+21	1,303157E+22	1,539222E+22	1,539250E+22	1,303221E+22	9,359569E+21	5,591682E+21	2,738334E+21	1,331102E+21	1,331029E+21	2,738102E+21	5,591380E+21
-1447	9,359446E+21	1,303231E+22	1,539261E+22	1,539231E+22	1,303166E+22	9,358949E+21	5,591173E+21	2,738026E+21	1,331001E+21	1,331101E+21	2,738364E+21	5,591669E+21
-1446	9,359346E+21	1,303172E+22	1,539194E+22	1,539211E+22	1,303195E+22	9,359368E+21	5,591483E+21	2,738151E+21	1,330967E+21	1,330925E+21	2,737994E+21	5,591179E+21
-1445	9,358989E+21	1,303185E+22	1,539261E+22	1,539281E+22	1,303237E+22	9,359518E+21	5,591452E+21	2,738056E+21	1,330872E+21	1,330858E+21	2,738063E+21	5,591603E+21
-1444	9,359801E+21	1,303257E+22	1,539285E+22	1,539262E+22	1,303199E+22	9,359154E+21	5,591136E+21	2,737773E+21	1,330669E+21	1,330734E+21	2,737960E+21	5,591369E+21
-1443	9,359383E+21	1,303211E+22	1,539265E+22	1,539297E+22	1,303259E+22	9,359710E+21	5,591518E+21	2,737924E+21	1,330604E+21	1,330493E+21	2,737560E+21	5,590952E+21
-1442	9,359283E+21	1,303274E+22	1,539359E+22	1,539351E+22	1,303265E+22	9,359432E+21	5,591146E+21	2,737652E+21	1,330476E+21	1,330500E+21	2,737778E+21	5,591412E+21
-1441	9,359691E+21	1,303277E+22	1,539341E+22	1,539324E+22	1,303246E+22	9,359381E+21	5,591102E+21	2,737535E+21	1,330343E+21	1,330366E+21	2,737558E+21	5,591024E+21
-1440	9,359163E+21	1,303219E+22	1,539327E+22	1,539378E+22	1,303314E+22	9,359880E+21	5,591401E+21	2,737684E+21	1,330357E+21	1,330280E+21	2,737444E+21	5,591049E+21
-1439	9,359637E+21	1,303311E+22	1,539385E+22	1,539370E+22	1,303269E+22	9,359321E+21	5,590911E+21	2,737369E+21	1,330243E+21	1,330344E+21	2,737721E+21	5,591448E+21
-1438	9,359775E+21	1,303280E+22	1,539326E+22	1,539318E+22	1,303259E+22	9,359533E+21	5,591170E+21	2,737524E+21	1,330281E+21	1,330265E+21	2,737428E+21	5,590922E+21
-1437	9,359192E+21	1,303252E+22	1,539358E+22	1,539368E+22	1,303289E+22	9,359714E+21	5,591351E+21	2,737715E+21	1,330434E+21	1,330390E+21	2,737588E+21	5,591250E+21
-1436	9,359797E+21	1,303305E+22	1,539367E+22	1,539337E+22	1,303232E+22	9,359131E+21	5,590969E+21	2,737573E+21	1,330483E+21	1,330576E+21	2,737848E+21	5,591318E+21
-1435	9,359396E+21	1,303219E+22	1,539271E+22	1,539299E+22	1,303255E+22	9,359605E+21	5,591448E+21	2,737955E+21	1,330710E+21	1,330650E+21	2,737738E+21	5,591014E+21
-1434	9,359019E+21	1,303215E+22	1,539292E+22	1,539300E+22	1,303242E+22	9,359445E+21	5,591360E+21	2,738019E+21	1,330895E+21	1,330927E+21	2,738167E+21	5,591646E+21
-1433	9,359604E+21	1,303218E+22	1,539239E+22	1,539218E+22	1,303171E+22	9,359121E+21	5,591311E+21	2,738067E+21	1,331007E+21	1,331083E+21	2,738255E+21	5,591459E+21
-1432	9,359075E+21	1,303134E+22	1,539162E+22	1,539202E+22	1,303203E+22	9,359603E+21	5,591814E+21	2,738488E+21	1,331256E+21	1,331174E+21	2,738197E+21	5,591312E+21
-1431	9,359170E+21	1,303197E+22	1,539214E+22	1,539187E+22	1,303146E+22	9,358997E+21	5,591401E+21	2,738338E+21	1,331312E+21	1,331385E+21	2,738599E+21	5,591824E+21
-1430	9,359393E+21	1,303161E+22	1,539148E+22	1,539127E+22	1,303118E+22	9,358997E+21	5,591529E+21	2,738462E+21	1,331390E+21	1,331398E+21	2,738431E+21	5,591356E+21
-1429	9,358681E+21	1,303095E+22	1,539138E+22	1,539173E+22	1,303172E+22	9,359383E+21	5,591794E+21	2,738655E+21	1,331488E+21	1,331423E+21	2,738472E+21	5,591597E+21
-1428	9,359313E+21	1,303173E+22	1,539178E+22	1,539165E+22	1,303131E+22	9,358850E+21	5,591305E+21	2,738323E+21	1,331353E+21	1,331450E+21	2,738664E+21	5,591835E+21
-1427	9,359294E+21	1,303134E+22	1,539120E+22	1,539139E+22	1,303156E+22	9,359324E+21	5,591675E+21	2,738459E+21	1,331294E+21	1,331237E+21	2,738261E+21	5,591316E+21
-1426	9,358889E+21	1,303149E+22	1,539195E+22	1,539202E+22	1,303180E+22	9,359332E+21	5,591600E+21	2,738373E+21	1,331214E+21	1,331179E+21	2,738313E+21	5,591676E+21
-1425	9,359624E+21	1,303217E+22	1,539230E+22	1,539202E+22	1,303150E+22	9,358963E+21	5,591268E+21	2,738077E+21	1,331010E+21	1,331067E+21	2,738218E+21	5,591410E+21
-1424	9,359134E+21	1,303161E+22	1,539198E+22	1,539237E+22	1,303222E+22	9,359584E+21	5,591645E+21	2,738229E+21	1,330961E+21	1,330859E+21	2,737882E+21	5,591051E+21
-1423	9,359035E+21	1,303225E+22	1,539290E+22	1,539281E+22	1,303220E+22	9,359264E+21	5,591229E+21	2,737912E+21	1,330801E+21	1,330844E+21	2,738104E+21	5,591604E+21
-1422	9,359573E+21	1,303229E+22	1,539267E+22	1,539253E+22	1,303201E+22	9,359214E+21	5,591177E+21	2,737787E+21	1,330664E+21	1,330704E+21	2,737861E+21	5,591179E+21
-1421	9,359042E+21	1,303171E+22	1,539246E+22	1,539293E+22	1,303260E+22	9,359708E+21	5,591547E+21	2,738003E+21	1,330710E+21	1,330628E+21	2,737751E+21	5,591218E+21
-1420	9,359546E+21	1,303266E+22	1,539310E+22	1,539298E+22	1,303221E+22	9,359155E+21	5,591064E+21	2,737716E+21	1,330628E+21	1,330708E+21	2,737999E+21	5,591533E+21
-1419	9,359615E+21	1,303239E+22	1,539261E+22	1,539248E+22	1,303210E+22	9,359378E+21	5,591352E+21	2,737903E+21	1,330697E+21	1,330667E+21	2,737768E+21	5,591036E+21
-1418	9,358910E+21	1,303191E+22	1,539278E+22	1,539288E+22	1,303230E+22	9,359455E+21	5,591478E+21	2,738107E+21	1,330894E+21	1,330848E+21	2,737989E+21	5,591417E+21
-1417	9,359537E+21	1,303236E+22	1,539275E+22	1,539255E+22	1,303180E+22	9,358966E+21	5,591127E+21	2,737950E+21	1,330941E+21	1,331050E+21	2,738273E+21	5,591525E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,359203E+21	1,303152E+22	1,539165E+22	1,539201E+22	1,303202E+22	9,359499E+21	5,591655E+21	2,738354E+21	1,331174E+21	1,331128E+21	2,738172E+21	5,591231E+21
-1415	9,358884E+21	1,303163E+22	1,539199E+22	1,539196E+22	1,303173E+22	9,359228E+21	5,591524E+21	2,738394E+21	1,331326E+21	1,331361E+21	2,738547E+21	5,591847E+21
-1414	9,359515E+21	1,303173E+22	1,539158E+22	1,539125E+22	1,303105E+22	9,358859E+21	5,591426E+21	2,738428E+21	1,331434E+21	1,331506E+21	2,738593E+21	5,591549E+21
-1413	9,358824E+21	1,303078E+22	1,539080E+22	1,539114E+22	1,303138E+22	9,359355E+21	5,591967E+21	2,738878E+21	1,331694E+21	1,331603E+21	2,738562E+21	5,591451E+21
-1412	9,358919E+21	1,303131E+22	1,539132E+22	1,539122E+22	1,303104E+22	9,358814E+21	5,591529E+21	2,738698E+21	1,331734E+21	1,331799E+21	2,738946E+21	5,591962E+21
-1411	9,359190E+21	1,303104E+22	1,539066E+22	1,539053E+22	1,303077E+22	9,358915E+21	5,591700E+21	2,738800E+21	1,331775E+21	1,331787E+21	2,738796E+21	5,591560E+21
-1410	9,358513E+21	1,303037E+22	1,539053E+22	1,539088E+22	1,303116E+22	9,359206E+21	5,591939E+21	2,738983E+21	1,331863E+21	1,331797E+21	2,738809E+21	5,591798E+21
-1409	9,359252E+21	1,303130E+22	1,539103E+22	1,539087E+22	1,303081E+22	9,358717E+21	5,591468E+21	2,738636E+21	1,331705E+21	1,331799E+21	2,738950E+21	5,591952E+21
-1408	9,359196E+21	1,303098E+22	1,539051E+22	1,539062E+22	1,303109E+22	9,359213E+21	5,591846E+21	2,738786E+21	1,331651E+21	1,331586E+21	2,738539E+21	5,591376E+21
-1407	9,358707E+21	1,303117E+22	1,539145E+22	1,539138E+22	1,303128E+22	9,359110E+21	5,591695E+21	2,738661E+21	1,331549E+21	1,331512E+21	2,738587E+21	5,591761E+21
-1406	9,359419E+21	1,303171E+22	1,539172E+22	1,539147E+22	1,303109E+22	9,358738E+21	5,591299E+21	2,738333E+21	1,331342E+21	1,331407E+21	2,738503E+21	5,591484E+21
-1405	9,358851E+21	1,303099E+22	1,539117E+22	1,539164E+22	1,303182E+22	9,359459E+21	5,591761E+21	2,738516E+21	1,331301E+21	1,331207E+21	2,738212E+21	5,591246E+21
-1404	9,358890E+21	1,303163E+22	1,539207E+22	1,539214E+22	1,303183E+22	9,359168E+21	5,591368E+21	2,738204E+21	1,331138E+21	1,331177E+21	2,738388E+21	5,591757E+21
-1403	9,359509E+21	1,303188E+22	1,539191E+22	1,539172E+22	1,303152E+22	9,359113E+21	5,591359E+21	2,738110E+21	1,331009E+21	1,331041E+21	2,738158E+21	5,591325E+21
-1402	9,358913E+21	1,303129E+22	1,539175E+22	1,539206E+22	1,303193E+22	9,359451E+21	5,591674E+21	2,738351E+21	1,331104E+21	1,331009E+21	2,738061E+21	5,591332E+21
-1401	9,359378E+21	1,303220E+22	1,539245E+22	1,539225E+22	1,303165E+22	9,358933E+21	5,591194E+21	2,738066E+21	1,331044E+21	1,331125E+21	2,738341E+21	5,591630E+21
-1400	9,359374E+21	1,303182E+22	1,539181E+22	1,539174E+22	1,303166E+22	9,359231E+21	5,591493E+21	2,738267E+21	1,331137E+21	1,331122E+21	2,738171E+21	5,591194E+21
-1399	9,358691E+21	1,303135E+22	1,539196E+22	1,539205E+22	1,303177E+22	9,359279E+21	5,591600E+21	2,738440E+21	1,331308E+21	1,331283E+21	2,738391E+21	5,591643E+21
-1398	9,359410E+21	1,303177E+22	1,539187E+22	1,539170E+22	1,303127E+22	9,358788E+21	5,591251E+21	2,738291E+21	1,331355E+21	1,331473E+21	2,738641E+21	5,591693E+21
-1397	9,359034E+21	1,303093E+22	1,539070E+22	1,539101E+22	1,303142E+22	9,359354E+21	5,591869E+21	2,738757E+21	1,331611E+21	1,331558E+21	2,738547E+21	5,591416E+21
-1396	9,358729E+21	1,303104E+22	1,539112E+22	1,539111E+22	1,303117E+22	9,359065E+21	5,591728E+21	2,738805E+21	1,331774E+21	1,331787E+21	2,738878E+21	5,591935E+21
-1395	9,359296E+21	1,303120E+22	1,539080E+22	1,539042E+22	1,303047E+22	9,358684E+21	5,591628E+21	2,738844E+21	1,331886E+21	1,331948E+21	2,738982E+21	5,591695E+21
-1394	9,358542E+21	1,303010E+22	1,538991E+22	1,539024E+22	1,303074E+22	9,359070E+21	5,592079E+21	2,739265E+21	1,332154E+21	1,332064E+21	2,738975E+21	5,591659E+21
-1393	9,358733E+21	1,303064E+22	1,539039E+22	1,539033E+22	1,303050E+22	9,358652E+21	5,591670E+21	2,739043E+21	1,332157E+21	1,332236E+21	2,739340E+21	5,592176E+21
-1392	9,359093E+21	1,303051E+22	1,538978E+22	1,538965E+22	1,303026E+22	9,358794E+21	5,591866E+21	2,739141E+21	1,332171E+21	1,332191E+21	2,739155E+21	5,591746E+21
-1391	9,358472E+21	1,303005E+22	1,538985E+22	1,539004E+22	1,303055E+22	9,358989E+21	5,592051E+21	2,739280E+21	1,332209E+21	1,332139E+21	2,739091E+21	5,591918E+21
-1390	9,359164E+21	1,303098E+22	1,539049E+22	1,539022E+22	1,303032E+22	9,358504E+21	5,591547E+21	2,738920E+21	1,332040E+21	1,332121E+21	2,739183E+21	5,591954E+21
-1389	9,358921E+21	1,303050E+22	1,538995E+22	1,539003E+22	1,303067E+22	9,359056E+21	5,591969E+21	2,739089E+21	1,331993E+21	1,331922E+21	2,738819E+21	5,591450E+21
-1388	9,358424E+21	1,303050E+22	1,539075E+22	1,539090E+22	1,303102E+22	9,359025E+21	5,591814E+21	2,738945E+21	1,331882E+21	1,331840E+21	2,738859E+21	5,591838E+21
-1387	9,359188E+21	1,303113E+22	1,539097E+22	1,539083E+22	1,303077E+22	9,358712E+21	5,591464E+21	2,738616E+21	1,331660E+21	1,331734E+21	2,738824E+21	5,591668E+21
-1386	9,358697E+21	1,303041E+22	1,539033E+22	1,539078E+22	1,303125E+22	9,359270E+21	5,591885E+21	2,738814E+21	1,331642E+21	1,331551E+21	2,738528E+21	5,591448E+21
-1385	9,358865E+21	1,303120E+22	1,539128E+22	1,539126E+22	1,303126E+22	9,359017E+21	5,591516E+21	2,738512E+21	1,331492E+21	1,331530E+21	2,738687E+21	5,591890E+21
-1384	9,359443E+21	1,303154E+22	1,539125E+22	1,539090E+22	1,303095E+22	9,358930E+21	5,591504E+21	2,738448E+21	1,331396E+21	1,331428E+21	2,738482E+21	5,591430E+21
-1383	9,358770E+21	1,303095E+22	1,539119E+22	1,539135E+22	1,303132E+22	9,359156E+21	5,591740E+21	2,738660E+21	1,331490E+21	1,331405E+21	2,738406E+21	5,591469E+21
-1382	9,359195E+21	1,303169E+22	1,539178E+22	1,539161E+22	1,303121E+22	9,358702E+21	5,591241E+21	2,738372E+21	1,331442E+21	1,331535E+21	2,738697E+21	5,591758E+21
-1381	9,359125E+21	1,303116E+22	1,539093E+22	1,539092E+22	1,303120E+22	9,359124E+21	5,591655E+21	2,738617E+21	1,331552E+21	1,331550E+21	2,738569E+21	5,591419E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,358541E+21	1,303066E+22	1,539101E+22	1,539125E+22	1,303132E+22	9,359201E+21	5,591814E+21	2,738821E+21	1,331730E+21	1,331695E+21	2,738730E+21	5,591782E+21
-1379	9,359273E+21	1,303126E+22	1,539100E+22	1,539077E+22	1,303071E+22	9,358690E+21	5,591501E+21	2,738709E+21	1,331790E+21	1,331893E+21	2,739001E+21	5,591826E+21
-1378	9,358801E+21	1,303033E+22	1,538983E+22	1,539000E+22	1,303065E+22	9,359082E+21	5,592054E+21	2,739194E+21	1,332091E+21	1,332018E+21	2,738923E+21	5,591546E+21
-1377	9,358503E+21	1,303041E+22	1,539024E+22	1,539020E+22	1,303053E+22	9,358848E+21	5,591897E+21	2,739218E+21	1,332256E+21	1,332267E+21	2,739281E+21	5,592063E+21
-1376	9,359038E+21	1,303054E+22	1,538985E+22	1,538952E+22	1,302993E+22	9,358510E+21	5,591784E+21	2,739237E+21	1,332355E+21	1,332429E+21	2,739414E+21	5,591890E+21
-1375	9,358378E+21	1,302955E+22	1,538905E+22	1,538936E+22	1,303013E+22	9,358841E+21	5,592173E+21	2,739586E+21	1,332561E+21	1,332490E+21	2,739373E+21	5,591902E+21
-1374	9,358678E+21	1,303017E+22	1,538960E+22	1,538954E+22	1,302997E+22	9,358433E+21	5,591755E+21	2,739349E+21	1,332532E+21	1,332612E+21	2,739659E+21	5,592314E+21
-1373	9,358962E+21	1,303005E+22	1,538902E+22	1,538884E+22	1,302975E+22	9,358663E+21	5,592032E+21	2,739472E+21	1,332537E+21	1,332548E+21	2,739457E+21	5,591872E+21
-1372	9,358321E+21	1,302957E+22	1,538924E+22	1,538946E+22	1,303013E+22	9,358872E+21	5,592216E+21	2,739607E+21	1,332564E+21	1,332474E+21	2,739336E+21	5,591930E+21
-1371	9,358915E+21	1,303051E+22	1,538990E+22	1,538966E+22	1,302993E+22	9,358404E+21	5,591717E+21	2,739244E+21	1,332390E+21	1,332465E+21	2,739486E+21	5,592033E+21
-1370	9,358604E+21	1,302984E+22	1,538915E+22	1,538930E+22	1,303018E+22	9,358875E+21	5,592077E+21	2,739395E+21	1,332357E+21	1,332289E+21	2,739157E+21	5,591628E+21
-1369	9,358270E+21	1,302988E+22	1,538983E+22	1,539005E+22	1,303056E+22	9,358941E+21	5,591952E+21	2,739228E+21	1,332227E+21	1,332201E+21	2,739190E+21	5,592017E+21
-1368	9,359114E+21	1,303065E+22	1,539012E+22	1,538996E+22	1,303025E+22	9,358591E+21	5,591618E+21	2,738917E+21	1,332003E+21	1,332085E+21	2,739140E+21	5,591846E+21
-1367	9,358711E+21	1,303016E+22	1,538969E+22	1,538996E+22	1,303059E+22	9,358993E+21	5,591948E+21	2,739078E+21	1,331964E+21	1,331877E+21	2,738809E+21	5,591589E+21
-1366	9,358827E+21	1,303093E+22	1,539079E+22	1,539062E+22	1,303071E+22	9,358725E+21	5,591557E+21	2,738789E+21	1,331831E+21	1,331863E+21	2,738945E+21	5,591928E+21
-1365	9,359215E+21	1,303109E+22	1,539069E+22	1,539034E+22	1,303052E+22	9,358754E+21	5,591613E+21	2,738757E+21	1,331763E+21	1,331798E+21	2,738808E+21	5,591548E+21
-1364	9,358526E+21	1,303032E+22	1,539051E+22	1,539084E+22	1,303102E+22	9,359079E+21	5,591885E+21	2,738978E+21	1,331865E+21	1,331782E+21	2,738723E+21	5,591564E+21
-1363	9,358957E+21	1,303110E+22	1,539099E+22	1,539091E+22	1,303085E+22	9,358698E+21	5,591468E+21	2,738727E+21	1,331831E+21	1,331930E+21	2,739063E+21	5,591930E+21
-1362	9,358911E+21	1,303049E+22	1,538996E+22	1,538998E+22	1,303059E+22	9,358972E+21	5,591864E+21	2,739019E+21	1,331992E+21	1,331982E+21	2,738948E+21	5,591616E+21
-1361	9,358433E+21	1,303005E+22	1,538998E+22	1,539019E+22	1,303070E+22	9,359087E+21	5,592048E+21	2,739243E+21	1,332195E+21	1,332150E+21	2,739105E+21	5,591905E+21
-1360	9,359079E+21	1,303072E+22	1,539012E+22	1,538979E+22	1,303002E+22	9,358487E+21	5,591716E+21	2,739154E+21	1,332284E+21	1,332379E+21	2,739410E+21	5,591972E+21
-1359	9,358608E+21	1,302980E+22	1,538901E+22	1,538908E+22	1,302988E+22	9,358710E+21	5,592131E+21	2,739573E+21	1,332561E+21	1,332499E+21	2,739355E+21	5,591745E+21
-1358	9,358312E+21	1,302978E+22	1,538936E+22	1,538936E+22	1,302992E+22	9,358541E+21	5,591946E+21	2,739562E+21	1,332700E+21	1,332724E+21	2,739692E+21	5,592251E+21
-1357	9,358841E+21	1,302990E+22	1,538893E+22	1,538864E+22	1,302938E+22	9,358345E+21	5,591920E+21	2,739578E+21	1,332772E+21	1,332862E+21	2,739823E+21	5,592140E+21
-1356	9,358288E+21	1,302897E+22	1,538821E+22	1,538859E+22	1,302965E+22	9,358720E+21	5,592341E+21	2,739921E+21	1,332943E+21	1,332865E+21	2,739678E+21	5,592020E+21
-1355	9,358572E+21	1,302979E+22	1,538892E+22	1,538879E+22	1,302950E+22	9,358359E+21	5,591968E+21	2,739701E+21	1,332901E+21	1,332968E+21	2,739954E+21	5,592393E+21
-1354	9,358722E+21	1,302953E+22	1,538833E+22	1,538810E+22	1,302917E+22	9,358459E+21	5,592189E+21	2,739831E+21	1,332930E+21	1,332921E+21	2,739753E+21	5,591950E+21
-1353	9,358090E+21	1,302898E+22	1,538845E+22	1,538875E+22	1,302971E+22	9,358766E+21	5,592372E+21	2,739938E+21	1,332946E+21	1,332855E+21	2,739653E+21	5,592000E+21
-1352	9,358634E+21	1,302990E+22	1,538908E+22	1,538893E+22	1,302952E+22	9,358312E+21	5,591871E+21	2,739560E+21	1,332756E+21	1,332840E+21	2,739825E+21	5,592192E+21
-1351	9,358470E+21	1,302935E+22	1,538837E+22	1,538850E+22	1,302960E+22	9,358651E+21	5,592150E+21	2,739647E+21	1,332673E+21	1,332626E+21	2,739483E+21	5,591846E+21
-1350	9,358261E+21	1,302950E+22	1,538911E+22	1,538930E+22	1,303002E+22	9,358705E+21	5,592014E+21	2,739481E+21	1,332532E+21	1,332506E+21	2,739456E+21	5,592143E+21
-1349	9,359045E+21	1,303033E+22	1,538948E+22	1,538921E+22	1,302973E+22	9,358429E+21	5,591743E+21	2,739202E+21	1,332323E+21	1,332401E+21	2,739416E+21	5,591972E+21
-1348	9,358603E+21	1,302980E+22	1,538922E+22	1,538946E+22	1,303016E+22	9,358823E+21	5,592067E+21	2,739372E+21	1,332300E+21	1,332199E+21	2,739055E+21	5,591622E+21
-1347	9,358609E+21	1,303053E+22	1,539028E+22	1,539015E+22	1,303036E+22	9,358606E+21	5,591705E+21	2,739109E+21	1,332192E+21	1,332225E+21	2,739267E+21	5,592020E+21
-1346	9,358894E+21	1,303041E+22	1,538989E+22	1,538966E+22	1,303007E+22	9,358602E+21	5,591749E+21	2,739101E+21	1,332170E+21	1,332208E+21	2,739178E+21	5,591738E+21
-1345	9,358361E+21	1,302966E+22	1,538950E+22	1,538995E+22	1,303057E+22	9,359046E+21	5,592097E+21	2,739344E+21	1,332289E+21	1,332213E+21	2,739103E+21	5,591728E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,358785E+21	1,303051E+22	1,539000E+22	1,538992E+22	1,303026E+22	9,358596E+21	5,591712E+21	2,739141E+21	1,332279E+21	1,332370E+21	2,739433E+21	5,592091E+21
-1343	9,358807E+21	1,303003E+22	1,538910E+22	1,538897E+22	1,302982E+22	9,358677E+21	5,592004E+21	2,739402E+21	1,332436E+21	1,332425E+21	2,739327E+21	5,591781E+21
-1342	9,358300E+21	1,302958E+22	1,538918E+22	1,538931E+22	1,302997E+22	9,358737E+21	5,592137E+21	2,739621E+21	1,332647E+21	1,332596E+21	2,739475E+21	5,592006E+21
-1341	9,358794E+21	1,303007E+22	1,538924E+22	1,538895E+22	1,302943E+22	9,358247E+21	5,591839E+21	2,739530E+21	1,332738E+21	1,332844E+21	2,739838E+21	5,592177E+21
-1340	9,358379E+21	1,302912E+22	1,538816E+22	1,538836E+22	1,302941E+22	9,358539E+21	5,592254E+21	2,739914E+21	1,332982E+21	1,332930E+21	2,739739E+21	5,591927E+21
-1339	9,358154E+21	1,302923E+22	1,538853E+22	1,538857E+22	1,302944E+22	9,358438E+21	5,592136E+21	2,739916E+21	1,333101E+21	1,333135E+21	2,740077E+21	5,592448E+21
-1338	9,358672E+21	1,302930E+22	1,538801E+22	1,538775E+22	1,302879E+22	9,358178E+21	5,592108E+21	2,739959E+21	1,333192E+21	1,333271E+21	2,740172E+21	5,592316E+21
-1337	9,358204E+21	1,302851E+22	1,538734E+22	1,538767E+22	1,302912E+22	9,358645E+21	5,592562E+21	2,740306E+21	1,333365E+21	1,333272E+21	2,739996E+21	5,592079E+21
-1336	9,358327E+21	1,302930E+22	1,538819E+22	1,538800E+22	1,302895E+22	9,358225E+21	5,592186E+21	2,740100E+21	1,333328E+21	1,333377E+21	2,740276E+21	5,592470E+21
-1335	9,358490E+21	1,302900E+22	1,538760E+22	1,538738E+22	1,302860E+22	9,358181E+21	5,592265E+21	2,740146E+21	1,333316E+21	1,333317E+21	2,740108E+21	5,592112E+21
-1334	9,357909E+21	1,302841E+22	1,538760E+22	1,538801E+22	1,302922E+22	9,358525E+21	5,592420E+21	2,740211E+21	1,333293E+21	1,333213E+21	2,739983E+21	5,592161E+21
-1333	9,358458E+21	1,302934E+22	1,538822E+22	1,538814E+22	1,302904E+22	9,358179E+21	5,591990E+21	2,739831E+21	1,333077E+21	1,333174E+21	2,740152E+21	5,592414E+21
-1332	9,358422E+21	1,302894E+22	1,538772E+22	1,538784E+22	1,302913E+22	9,358488E+21	5,592261E+21	2,739907E+21	1,332970E+21	1,332916E+21	2,739721E+21	5,591946E+21
-1331	9,358199E+21	1,302928E+22	1,538863E+22	1,538869E+22	1,302956E+22	9,358565E+21	5,592162E+21	2,739769E+21	1,332841E+21	1,332808E+21	2,739708E+21	5,592204E+21
-1330	9,358823E+21	1,302991E+22	1,538893E+22	1,538864E+22	1,302924E+22	9,358219E+21	5,591860E+21	2,739520E+21	1,332683E+21	1,332747E+21	2,739695E+21	5,592057E+21
-1329	9,358400E+21	1,302929E+22	1,538848E+22	1,538884E+22	1,302983E+22	9,358758E+21	5,592212E+21	2,739691E+21	1,332679E+21	1,332582E+21	2,739376E+21	5,591699E+21
-1328	9,358323E+21	1,302992E+22	1,538947E+22	1,538946E+22	1,303000E+22	9,358567E+21	5,591902E+21	2,739458E+21	1,332589E+21	1,332623E+21	2,739616E+21	5,592189E+21
-1327	9,358750E+21	1,302985E+22	1,538901E+22	1,538881E+22	1,302949E+22	9,358391E+21	5,591872E+21	2,739420E+21	1,332554E+21	1,332607E+21	2,739548E+21	5,591960E+21
-1326	9,358293E+21	1,302916E+22	1,538856E+22	1,538902E+22	1,302994E+22	9,358804E+21	5,592226E+21	2,739691E+21	1,332686E+21	1,332608E+21	2,739444E+21	5,591871E+21
-1325	9,358612E+21	1,303001E+22	1,538914E+22	1,538899E+22	1,302962E+22	9,358398E+21	5,591886E+21	2,739519E+21	1,332703E+21	1,332793E+21	2,739806E+21	5,592256E+21
-1324	9,358614E+21	1,302951E+22	1,538839E+22	1,538821E+22	1,302918E+22	9,358408E+21	5,592138E+21	2,739777E+21	1,332871E+21	1,332855E+21	2,739686E+21	5,591893E+21
-1323	9,358063E+21	1,302905E+22	1,538842E+22	1,538856E+22	1,302944E+22	9,358525E+21	5,592277E+21	2,739996E+21	1,333089E+21	1,333051E+21	2,739895E+21	5,592182E+21
-1322	9,358510E+21	1,302934E+22	1,538824E+22	1,538804E+22	1,302884E+22	9,358038E+21	5,591978E+21	2,739916E+21	1,333200E+21	1,333312E+21	2,740264E+21	5,592427E+21
-1321	9,358272E+21	1,302850E+22	1,538709E+22	1,538736E+22	1,302888E+22	9,358459E+21	5,592457E+21	2,740301E+21	1,333433E+21	1,333386E+21	2,740131E+21	5,592105E+21
-1320	9,358012E+21	1,302871E+22	1,538762E+22	1,538763E+22	1,302886E+22	9,358323E+21	5,592381E+21	2,740340E+21	1,333554E+21	1,333569E+21	2,740422E+21	5,592588E+21
-1319	9,358557E+21	1,302887E+22	1,538725E+22	1,538688E+22	1,302810E+22	9,357905E+21	5,592250E+21	2,740336E+21	1,333622E+21	1,333691E+21	2,740512E+21	5,592428E+21
-1318	9,358013E+21	1,302803E+22	1,538661E+22	1,538694E+22	1,302855E+22	9,358369E+21	5,592672E+21	2,740662E+21	1,333773E+21	1,333672E+21	2,740322E+21	5,592140E+21
-1317	9,357984E+21	1,302866E+22	1,538739E+22	1,538730E+22	1,302852E+22	9,358078E+21	5,592319E+21	2,740428E+21	1,333714E+21	1,333770E+21	2,740635E+21	5,592625E+21
-1316	9,358235E+21	1,302837E+22	1,538684E+22	1,538674E+22	1,302820E+22	9,358054E+21	5,592381E+21	2,740427E+21	1,333653E+21	1,333662E+21	2,740421E+21	5,592273E+21
-1315	9,357788E+21	1,302795E+22	1,538686E+22	1,538730E+22	1,302879E+22	9,358417E+21	5,592565E+21	2,740487E+21	1,333605E+21	1,333536E+21	2,740292E+21	5,592335E+21
-1314	9,358334E+21	1,302884E+22	1,538742E+22	1,538734E+22	1,302852E+22	9,358010E+21	5,592128E+21	2,740136E+21	1,333413E+21	1,333498E+21	2,740430E+21	5,592580E+21
-1313	9,358398E+21	1,302863E+22	1,538704E+22	1,538708E+22	1,302867E+22	9,358390E+21	5,592414E+21	2,740217E+21	1,333320E+21	1,333256E+21	2,739989E+21	5,592009E+21
-1312	9,358008E+21	1,302891E+22	1,538809E+22	1,538808E+22	1,302909E+22	9,358404E+21	5,592320E+21	2,740111E+21	1,333217E+21	1,333168E+21	2,739993E+21	5,592287E+21
-1311	9,358621E+21	1,302942E+22	1,538828E+22	1,538803E+22	1,302877E+22	9,357968E+21	5,591916E+21	2,739806E+21	1,333047E+21	1,333124E+21	2,740034E+21	5,592222E+21
-1310	9,358243E+21	1,302877E+22	1,538768E+22	1,538811E+22	1,302938E+22	9,358554E+21	5,592287E+21	2,739973E+21	1,333032E+21	1,332950E+21	2,739713E+21	5,591860E+21
-1309	9,358123E+21	1,302932E+22	1,538856E+22	1,538861E+22	1,302951E+22	9,358462E+21	5,592067E+21	2,739776E+21	1,332952E+21	1,332997E+21	2,739958E+21	5,592379E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,358631E+21	1,302938E+22	1,538826E+22	1,538803E+22	1,302895E+22	9,358223E+21	5,592028E+21	2,739751E+21	1,332923E+21	1,332967E+21	2,739844E+21	5,592076E+21
-1307	9,358171E+21	1,302880E+22	1,538789E+22	1,538822E+22	1,302936E+22	9,358605E+21	5,592395E+21	2,740053E+21	1,333085E+21	1,333003E+21	2,739779E+21	5,591966E+21
-1306	9,358324E+21	1,302938E+22	1,538832E+22	1,538817E+22	1,302900E+22	9,358143E+21	5,592033E+21	2,739917E+21	1,333156E+21	1,333236E+21	2,740182E+21	5,592411E+21
-1305	9,358397E+21	1,302888E+22	1,538744E+22	1,538735E+22	1,302870E+22	9,358273E+21	5,592292E+21	2,740164E+21	1,333336E+21	1,333328E+21	2,740096E+21	5,592044E+21
-1304	9,357795E+21	1,302839E+22	1,538750E+22	1,538768E+22	1,302891E+22	9,358396E+21	5,592480E+21	2,740405E+21	1,333557E+21	1,333518E+21	2,740302E+21	5,592403E+21
-1303	9,358393E+21	1,302876E+22	1,538729E+22	1,538711E+22	1,302820E+22	9,357799E+21	5,592119E+21	2,740289E+21	1,333645E+21	1,333765E+21	2,740669E+21	5,592659E+21
-1302	9,358215E+21	1,302803E+22	1,538618E+22	1,538642E+22	1,302825E+22	9,358222E+21	5,592610E+21	2,740684E+21	1,333865E+21	1,333812E+21	2,740486E+21	5,592234E+21
-1301	9,357806E+21	1,302820E+22	1,538682E+22	1,538677E+22	1,302828E+22	9,358164E+21	5,592582E+21	2,740737E+21	1,333991E+21	1,333997E+21	2,740780E+21	5,592706E+21
-1300	9,358295E+21	1,302832E+22	1,538659E+22	1,538622E+22	1,302758E+22	9,357690E+21	5,592391E+21	2,740699E+21	1,334036E+21	1,334098E+21	2,740850E+21	5,592523E+21
-1299	9,357743E+21	1,302746E+22	1,538585E+22	1,538625E+22	1,302812E+22	9,358213E+21	5,592801E+21	2,740989E+21	1,334162E+21	1,334076E+21	2,740700E+21	5,592304E+21
-1298	9,357699E+21	1,302791E+22	1,538641E+22	1,538644E+22	1,302802E+22	9,357927E+21	5,592454E+21	2,740752E+21	1,334096E+21	1,334158E+21	2,740995E+21	5,592861E+21
-1297	9,358175E+21	1,302783E+22	1,538586E+22	1,538579E+22	1,302771E+22	9,357972E+21	5,592541E+21	2,740740E+21	1,334013E+21	1,334023E+21	2,740732E+21	5,592426E+21
-1296	9,357706E+21	1,302758E+22	1,538616E+22	1,538649E+22	1,302824E+22	9,358269E+21	5,592739E+21	2,740822E+21	1,333963E+21	1,333872E+21	2,740557E+21	5,592465E+21
-1295	9,358293E+21	1,302855E+22	1,538685E+22	1,538663E+22	1,302791E+22	9,357714E+21	5,592195E+21	2,740424E+21	1,333756E+21	1,333836E+21	2,740702E+21	5,592676E+21
-1294	9,358269E+21	1,302828E+22	1,538649E+22	1,538650E+22	1,302820E+22	9,358119E+21	5,592465E+21	2,740490E+21	1,333650E+21	1,333588E+21	2,740264E+21	5,592069E+21
-1293	9,357734E+21	1,302838E+22	1,538744E+22	1,538752E+22	1,302877E+22	9,358300E+21	5,592424E+21	2,740380E+21	1,333547E+21	1,333511E+21	2,740304E+21	5,592421E+21
-1292	9,358393E+21	1,302888E+22	1,538764E+22	1,538746E+22	1,302842E+22	9,357868E+21	5,592032E+21	2,740069E+21	1,333362E+21	1,333446E+21	2,740318E+21	5,592357E+21
-1291	9,358111E+21	1,302832E+22	1,538696E+22	1,538739E+22	1,302896E+22	9,358469E+21	5,592455E+21	2,740270E+21	1,333365E+21	1,333293E+21	2,740026E+21	5,592003E+21
-1290	9,357935E+21	1,302874E+22	1,538768E+22	1,538772E+22	1,302896E+22	9,358316E+21	5,592254E+21	2,740142E+21	1,333346E+21	1,333374E+21	2,740269E+21	5,592517E+21
-1289	9,358509E+21	1,302892E+22	1,538740E+22	1,538710E+22	1,302839E+22	9,358094E+21	5,592223E+21	2,740147E+21	1,333363E+21	1,333394E+21	2,740186E+21	5,592162E+21
-1288	9,357908E+21	1,302826E+22	1,538715E+22	1,538742E+22	1,302876E+22	9,358377E+21	5,592573E+21	2,740478E+21	1,333560E+21	1,333464E+21	2,740164E+21	5,592131E+21
-1287	9,358116E+21	1,302873E+22	1,538741E+22	1,538730E+22	1,302837E+22	9,357833E+21	5,592110E+21	2,740285E+21	1,333622E+21	1,333719E+21	2,740624E+21	5,592656E+21
-1286	9,358266E+21	1,302828E+22	1,538648E+22	1,538641E+22	1,302809E+22	9,358016E+21	5,592398E+21	2,740520E+21	1,333778E+21	1,333788E+21	2,740519E+21	5,592269E+21
-1285	9,357643E+21	1,302780E+22	1,538654E+22	1,538672E+22	1,302833E+22	9,358247E+21	5,592661E+21	2,740782E+21	1,333995E+21	1,333964E+21	2,740699E+21	5,592605E+21
-1284	9,358258E+21	1,302828E+22	1,538655E+22	1,538628E+22	1,302763E+22	9,357620E+21	5,592295E+21	2,740670E+21	1,334072E+21	1,334180E+21	2,741001E+21	5,592768E+21
-1283	9,358045E+21	1,302762E+22	1,538552E+22	1,538565E+22	1,302771E+22	9,358056E+21	5,592795E+21	2,741068E+21	1,334296E+21	1,334241E+21	2,740843E+21	5,592318E+21
-1282	9,357455E+21	1,302745E+22	1,538593E+22	1,538598E+22	1,302777E+22	9,357989E+21	5,592758E+21	2,741139E+21	1,334440E+21	1,334435E+21	2,741148E+21	5,592841E+21
-1281	9,358046E+21	1,302763E+22	1,538560E+22	1,538537E+22	1,302718E+22	9,357625E+21	5,592568E+21	2,741067E+21	1,334464E+21	1,334530E+21	2,741229E+21	5,592678E+21
-1280	9,357510E+21	1,302683E+22	1,538496E+22	1,538536E+22	1,302758E+22	9,358086E+21	5,592987E+21	2,741347E+21	1,334561E+21	1,334468E+21	2,741049E+21	5,592525E+21
-1279	9,357642E+21	1,302736E+22	1,538551E+22	1,538551E+22	1,302738E+22	9,357678E+21	5,592551E+21	2,741054E+21	1,334455E+21	1,334522E+21	2,741321E+21	5,593068E+21
-1278	9,358194E+21	1,302752E+22	1,538516E+22	1,538496E+22	1,302710E+22	9,357705E+21	5,592624E+21	2,741025E+21	1,334343E+21	1,334353E+21	2,741008E+21	5,592530E+21
-1277	9,357583E+21	1,302725E+22	1,538563E+22	1,538581E+22	1,302773E+22	9,358076E+21	5,592847E+21	2,741111E+21	1,334297E+21	1,334204E+21	2,740832E+21	5,592542E+21
-1276	9,358085E+21	1,302817E+22	1,538645E+22	1,538619E+22	1,302755E+22	9,357524E+21	5,592266E+21	2,740691E+21	1,334077E+21	1,334154E+21	2,740964E+21	5,592742E+21
-1275	9,358058E+21	1,302784E+22	1,538595E+22	1,538601E+22	1,302791E+22	9,358016E+21	5,592553E+21	2,740739E+21	1,333966E+21	1,333923E+21	2,740572E+21	5,592190E+21
-1274	9,357470E+21	1,302768E+22	1,538657E+22	1,538679E+22	1,302839E+22	9,358232E+21	5,592582E+21	2,740681E+21	1,333890E+21	1,333855E+21	2,740608E+21	5,592585E+21
-1273	9,358289E+21	1,302834E+22	1,538672E+22	1,538659E+22	1,302801E+22	9,357837E+21	5,592230E+21	2,740404E+21	1,333729E+21	1,333806E+21	2,740613E+21	5,592461E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,357954E+21	1,302788E+22	1,538623E+22	1,538652E+22	1,302837E+22	9,358323E+21	5,592666E+21	2,740656E+21	1,333771E+21	1,333673E+21	2,740327E+21	5,592131E+21
-1271	9,357807E+21	1,302825E+22	1,538692E+22	1,538685E+22	1,302828E+22	9,358015E+21	5,592361E+21	2,740502E+21	1,333771E+21	1,333797E+21	2,740623E+21	5,592654E+21
-1270	9,358344E+21	1,302840E+22	1,538664E+22	1,538631E+22	1,302778E+22	9,357785E+21	5,592302E+21	2,740494E+21	1,333787E+21	1,333833E+21	2,740577E+21	5,592312E+21
-1269	9,357660E+21	1,302762E+22	1,538631E+22	1,538662E+22	1,302826E+22	9,358197E+21	5,592684E+21	2,740817E+21	1,333987E+21	1,333914E+21	2,740585E+21	5,592353E+21
-1268	9,357939E+21	1,302815E+22	1,538664E+22	1,538652E+22	1,302786E+22	9,357659E+21	5,592238E+21	2,740619E+21	1,334028E+21	1,334138E+21	2,741003E+21	5,592865E+21
-1267	9,358177E+21	1,302780E+22	1,538568E+22	1,538558E+22	1,302758E+22	9,357880E+21	5,592569E+21	2,740873E+21	1,334190E+21	1,334214E+21	2,740898E+21	5,592440E+21
-1266	9,357464E+21	1,302719E+22	1,538561E+22	1,538578E+22	1,302775E+22	9,358119E+21	5,592886E+21	2,741201E+21	1,334449E+21	1,334402E+21	2,741055E+21	5,592735E+21
-1265	9,358085E+21	1,302775E+22	1,538565E+22	1,538535E+22	1,302709E+22	9,357516E+21	5,592532E+21	2,741112E+21	1,334553E+21	1,334642E+21	2,741364E+21	5,592835E+21
-1264	9,357713E+21	1,302697E+22	1,538471E+22	1,538482E+22	1,302715E+22	9,357882E+21	5,593007E+21	2,741511E+21	1,334781E+21	1,334707E+21	2,741237E+21	5,592492E+21
-1263	9,357227E+21	1,302669E+22	1,538490E+22	1,538504E+22	1,302714E+22	9,357726E+21	5,592854E+21	2,741498E+21	1,334886E+21	1,334893E+21	2,741566E+21	5,593069E+21
-1262	9,357924E+21	1,302701E+22	1,538459E+22	1,538436E+22	1,302652E+22	9,357373E+21	5,592676E+21	2,741390E+21	1,334853E+21	1,334935E+21	2,741604E+21	5,592889E+21
-1261	9,357419E+21	1,302633E+22	1,538411E+22	1,538445E+22	1,302698E+22	9,357888E+21	5,593110E+21	2,741654E+21	1,334921E+21	1,334833E+21	2,741374E+21	5,592696E+21
-1260	9,357580E+21	1,302707E+22	1,538499E+22	1,538481E+22	1,302681E+22	9,357448E+21	5,592648E+21	2,741342E+21	1,334786E+21	1,334841E+21	2,741571E+21	5,593139E+21
-1259	9,358077E+21	1,302726E+22	1,538477E+22	1,538445E+22	1,302667E+22	9,357522E+21	5,592716E+21	2,741294E+21	1,334668E+21	1,334680E+21	2,741272E+21	5,592563E+21
-1258	9,357288E+21	1,302668E+22	1,538500E+22	1,538529E+22	1,302740E+22	9,357961E+21	5,592970E+21	2,741408E+21	1,334642E+21	1,334543E+21	2,741109E+21	5,592614E+21
-1257	9,357854E+21	1,302759E+22	1,538566E+22	1,538557E+22	1,302732E+22	9,357544E+21	5,592433E+21	2,740992E+21	1,334425E+21	1,334501E+21	2,741254E+21	5,592824E+21
-1256	9,357810E+21	1,302726E+22	1,538521E+22	1,538531E+22	1,302753E+22	9,357979E+21	5,592758E+21	2,741070E+21	1,334321E+21	1,334267E+21	2,740874E+21	5,592376E+21
-1255	9,357387E+21	1,302708E+22	1,538565E+22	1,538591E+22	1,302783E+22	9,358047E+21	5,592713E+21	2,740995E+21	1,334252E+21	1,334218E+21	2,740927E+21	5,592750E+21
-1254	9,358235E+21	1,302794E+22	1,538595E+22	1,538569E+22	1,302735E+22	9,357599E+21	5,592366E+21	2,740733E+21	1,334099E+21	1,334179E+21	2,740937E+21	5,592587E+21
-1253	9,357796E+21	1,302744E+22	1,538557E+22	1,538573E+22	1,302774E+22	9,358073E+21	5,592782E+21	2,740995E+21	1,334171E+21	1,334081E+21	2,740689E+21	5,592269E+21
-1252	9,357603E+21	1,302777E+22	1,538632E+22	1,538619E+22	1,302774E+22	9,357746E+21	5,592431E+21	2,740821E+21	1,334170E+21	1,334207E+21	2,740992E+21	5,592820E+21
-1251	9,358189E+21	1,302790E+22	1,538592E+22	1,538560E+22	1,302733E+22	9,357605E+21	5,592382E+21	2,740793E+21	1,334184E+21	1,334261E+21	2,740980E+21	5,592515E+21
-1250	9,357468E+21	1,302692E+22	1,538531E+22	1,538571E+22	1,302774E+22	9,358080E+21	5,592858E+21	2,741176E+21	1,334408E+21	1,334339E+21	2,740961E+21	5,592556E+21
-1249	9,357861E+21	1,302761E+22	1,538566E+22	1,538558E+22	1,302738E+22	9,357608E+21	5,592479E+21	2,741031E+21	1,334478E+21	1,334570E+21	2,741348E+21	5,592972E+21
-1248	9,357986E+21	1,302731E+22	1,538492E+22	1,538469E+22	1,302696E+22	9,357733E+21	5,592823E+21	2,741331E+21	1,334670E+21	1,334660E+21	2,741246E+21	5,592565E+21
-1247	9,357250E+21	1,302652E+22	1,538470E+22	1,538486E+22	1,302708E+22	9,357855E+21	5,593049E+21	2,741627E+21	1,334935E+21	1,334879E+21	2,741447E+21	5,592847E+21
-1246	9,357817E+21	1,302709E+22	1,538475E+22	1,538447E+22	1,302646E+22	9,357263E+21	5,592672E+21	2,741501E+21	1,335010E+21	1,335110E+21	2,741780E+21	5,592989E+21
-1245	9,357428E+21	1,302625E+22	1,538376E+22	1,538391E+22	1,302656E+22	9,357697E+21	5,593144E+21	2,741864E+21	1,335210E+21	1,335154E+21	2,741655E+21	5,592709E+21
-1244	9,357064E+21	1,302612E+22	1,538406E+22	1,538417E+22	1,302655E+22	9,357520E+21	5,592971E+21	2,741811E+21	1,335261E+21	1,335278E+21	2,741916E+21	5,593269E+21
-1243	9,357887E+21	1,302662E+22	1,538385E+22	1,538357E+22	1,302598E+22	9,357187E+21	5,592782E+21	2,741681E+21	1,335206E+21	1,335296E+21	2,741922E+21	5,593030E+21
-1242	9,357293E+21	1,302587E+22	1,538337E+22	1,538367E+22	1,302645E+22	9,357727E+21	5,593260E+21	2,741981E+21	1,335285E+21	1,335183E+21	2,741655E+21	5,592791E+21
-1241	9,357445E+21	1,302668E+22	1,538436E+22	1,538419E+22	1,302643E+22	9,357348E+21	5,592818E+21	2,741687E+21	1,335166E+21	1,335202E+21	2,741850E+21	5,593170E+21
-1240	9,357780E+21	1,302674E+22	1,538421E+22	1,538394E+22	1,302631E+22	9,357409E+21	5,592873E+21	2,741633E+21	1,335045E+21	1,335042E+21	2,741584E+21	5,592708E+21
-1239	9,357091E+21	1,302602E+22	1,538413E+22	1,538456E+22	1,302696E+22	9,357814E+21	5,593067E+21	2,741692E+21	1,334996E+21	1,334912E+21	2,741448E+21	5,592786E+21
-1238	9,357733E+21	1,302706E+22	1,538479E+22	1,538472E+22	1,302678E+22	9,357395E+21	5,592570E+21	2,741273E+21	1,334752E+21	1,334843E+21	2,741568E+21	5,592982E+21
-1237	9,357706E+21	1,302680E+22	1,538443E+22	1,538447E+22	1,302695E+22	9,357816E+21	5,592900E+21	2,741367E+21	1,334660E+21	1,334611E+21	2,741181E+21	5,592524E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,357310E+21	1,302677E+22	1,538507E+22	1,538516E+22	1,302722E+22	9,357805E+21	5,592814E+21	2,741291E+21	1,334593E+21	1,334556E+21	2,741209E+21	5,592848E+21
-1235	9,358106E+21	1,302759E+22	1,538542E+22	1,538508E+22	1,302685E+22	9,357366E+21	5,592441E+21	2,741021E+21	1,334459E+21	1,334551E+21	2,741262E+21	5,592687E+21
-1234	9,357545E+21	1,302684E+22	1,538481E+22	1,538507E+22	1,302730E+22	9,357901E+21	5,592893E+21	2,741315E+21	1,334560E+21	1,334478E+21	2,741043E+21	5,592429E+21
-1233	9,357437E+21	1,302720E+22	1,538544E+22	1,538543E+22	1,302734E+22	9,357678E+21	5,592607E+21	2,741174E+21	1,334580E+21	1,334617E+21	2,741345E+21	5,592957E+21
-1232	9,357973E+21	1,302732E+22	1,538511E+22	1,538482E+22	1,302683E+22	9,357513E+21	5,592607E+21	2,741188E+21	1,334614E+21	1,334675E+21	2,741341E+21	5,592726E+21
-1231	9,357375E+21	1,302632E+22	1,538433E+22	1,538473E+22	1,302711E+22	9,357886E+21	5,593035E+21	2,741573E+21	1,334858E+21	1,334785E+21	2,741334E+21	5,592699E+21
-1230	9,357715E+21	1,302712E+22	1,538478E+22	1,538458E+22	1,302666E+22	9,357394E+21	5,592690E+21	2,741456E+21	1,334943E+21	1,335028E+21	2,741723E+21	5,593071E+21
-1229	9,357708E+21	1,302670E+22	1,538410E+22	1,538384E+22	1,302630E+22	9,357501E+21	5,593006E+21	2,741759E+21	1,335158E+21	1,335149E+21	2,741670E+21	5,592708E+21
-1228	9,356971E+21	1,302587E+22	1,538385E+22	1,538404E+22	1,302648E+22	9,357592E+21	5,593160E+21	2,742004E+21	1,335393E+21	1,335348E+21	2,741872E+21	5,593037E+21
-1227	9,357600E+21	1,302644E+22	1,538382E+22	1,538361E+22	1,302591E+22	9,357065E+21	5,592772E+21	2,741830E+21	1,335434E+21	1,335559E+21	2,742203E+21	5,593211E+21
-1226	9,357249E+21	1,302555E+22	1,538270E+22	1,538292E+22	1,302595E+22	9,357525E+21	5,593301E+21	2,742212E+21	1,335618E+21	1,335566E+21	2,742026E+21	5,592921E+21
-1225	9,357018E+21	1,302567E+22	1,538316E+22	1,538326E+22	1,302601E+22	9,357391E+21	5,593164E+21	2,742183E+21	1,335667E+21	1,335665E+21	2,742222E+21	5,593362E+21
-1224	9,357724E+21	1,302624E+22	1,538326E+22	1,538287E+22	1,302545E+22	9,357030E+21	5,592973E+21	2,742060E+21	1,335609E+21	1,335669E+21	2,742217E+21	5,593147E+21
-1223	9,357126E+21	1,302535E+22	1,538265E+22	1,538300E+22	1,302594E+22	9,357502E+21	5,593362E+21	2,742308E+21	1,335674E+21	1,335571E+21	2,741976E+21	5,592882E+21
-1222	9,357226E+21	1,302617E+22	1,538364E+22	1,538353E+22	1,302598E+22	9,357200E+21	5,592947E+21	2,741986E+21	1,335519E+21	1,335567E+21	2,742176E+21	5,593290E+21
-1221	9,357537E+21	1,302615E+22	1,538346E+22	1,538328E+22	1,302589E+22	9,357308E+21	5,593006E+21	2,741910E+21	1,335377E+21	1,335392E+21	2,741913E+21	5,592878E+21
-1220	9,356965E+21	1,302555E+22	1,538340E+22	1,538385E+22	1,302649E+22	9,357662E+21	5,593179E+21	2,741948E+21	1,335296E+21	1,335222E+21	2,741735E+21	5,592943E+21
-1219	9,357674E+21	1,302672E+22	1,538413E+22	1,538401E+22	1,302630E+22	9,357236E+21	5,592669E+21	2,741528E+21	1,335058E+21	1,335157E+21	2,741839E+21	5,593089E+21
-1218	9,357563E+21	1,302637E+22	1,538372E+22	1,538369E+22	1,302639E+22	9,357637E+21	5,593043E+21	2,741681E+21	1,335006E+21	1,334947E+21	2,741459E+21	5,592618E+21
-1217	9,357163E+21	1,302637E+22	1,538441E+22	1,538453E+22	1,302678E+22	9,357645E+21	5,592968E+21	2,741642E+21	1,334984E+21	1,334931E+21	2,741512E+21	5,592914E+21
-1216	9,357834E+21	1,302707E+22	1,538477E+22	1,538449E+22	1,302642E+22	9,357205E+21	5,592583E+21	2,741376E+21	1,334867E+21	1,334948E+21	2,741619E+21	5,592889E+21
-1215	9,357374E+21	1,302616E+22	1,538383E+22	1,538421E+22	1,302677E+22	9,357706E+21	5,592998E+21	2,741641E+21	1,334969E+21	1,334903E+21	2,741430E+21	5,592634E+21
-1214	9,357329E+21	1,302667E+22	1,538452E+22	1,538449E+22	1,302672E+22	9,357510E+21	5,592788E+21	2,741528E+21	1,334986E+21	1,335032E+21	2,741710E+21	5,593125E+21
-1213	9,357827E+21	1,302681E+22	1,538427E+22	1,538393E+22	1,302620E+22	9,357325E+21	5,592796E+21	2,741577E+21	1,335052E+21	1,335110E+21	2,741707E+21	5,592856E+21
-1212	9,357203E+21	1,302589E+22	1,538360E+22	1,538389E+22	1,302646E+22	9,357646E+21	5,593195E+21	2,741963E+21	1,335304E+21	1,335225E+21	2,741697E+21	5,592800E+21
-1211	9,357456E+21	1,302657E+22	1,538403E+22	1,538384E+22	1,302611E+22	9,357166E+21	5,592811E+21	2,741829E+21	1,335398E+21	1,335492E+21	2,742118E+21	5,593183E+21
-1210	9,357368E+21	1,302591E+22	1,538308E+22	1,538297E+22	1,302577E+22	9,357335E+21	5,593169E+21	2,742149E+21	1,335617E+21	1,335616E+21	2,742094E+21	5,592913E+21
-1209	9,356773E+21	1,302518E+22	1,538277E+22	1,538312E+22	1,302598E+22	9,357480E+21	5,593359E+21	2,742399E+21	1,335843E+21	1,335796E+21	2,742269E+21	5,593228E+21
-1208	9,357411E+21	1,302582E+22	1,538289E+22	1,538271E+22	1,302534E+22	9,356918E+21	5,592981E+21	2,742228E+21	1,335866E+21	1,335977E+21	2,742580E+21	5,593465E+21
-1207	9,357201E+21	1,302502E+22	1,538173E+22	1,538192E+22	1,302528E+22	9,357288E+21	5,593438E+21	2,742573E+21	1,336038E+21	1,335985E+21	2,742382E+21	5,593085E+21
-1206	9,356936E+21	1,302531E+22	1,538245E+22	1,538238E+22	1,302532E+22	9,357159E+21	5,593332E+21	2,742545E+21	1,336072E+21	1,336065E+21	2,742553E+21	5,593458E+21
-1205	9,357492E+21	1,302577E+22	1,538265E+22	1,538225E+22	1,302495E+22	9,356819E+21	5,593102E+21	2,742404E+21	1,336012E+21	1,336074E+21	2,742564E+21	5,593260E+21
-1204	9,356906E+21	1,302488E+22	1,538200E+22	1,538239E+22	1,302552E+22	9,357314E+21	5,593437E+21	2,742590E+21	1,336028E+21	1,335938E+21	2,742311E+21	5,593033E+21
-1203	9,357037E+21	1,302564E+22	1,538289E+22	1,538286E+22	1,302560E+22	9,357087E+21	5,593035E+21	2,742235E+21	1,335838E+21	1,335902E+21	2,742477E+21	5,593432E+21
-1202	9,357367E+21	1,302558E+22	1,538259E+22	1,538249E+22	1,302544E+22	9,357207E+21	5,593168E+21	2,742200E+21	1,335694E+21	1,335706E+21	2,742188E+21	5,593026E+21
-1201	9,356910E+21	1,302518E+22	1,538262E+22	1,538307E+22	1,302601E+22	9,357540E+21	5,593360E+21	2,742277E+21	1,335639E+21	1,335539E+21	2,741973E+21	5,592988E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,357458E+21	1,302632E+22	1,538357E+22	1,538339E+22	1,302581E+22	9,357072E+21	5,592841E+21	2,741877E+21	1,335425E+21	1,335493E+21	2,742113E+21	5,593203E+21
-1199	9,357368E+21	1,302585E+22	1,538299E+22	1,538301E+22	1,302588E+22	9,357379E+21	5,593114E+21	2,741990E+21	1,335389E+21	1,335336E+21	2,741794E+21	5,592740E+21
-1198	9,356961E+21	1,302587E+22	1,538366E+22	1,538377E+22	1,302625E+22	9,357454E+21	5,593085E+21	2,741952E+21	1,335361E+21	1,335325E+21	2,741871E+21	5,593073E+21
-1197	9,357618E+21	1,302649E+22	1,538397E+22	1,538376E+22	1,302595E+22	9,357065E+21	5,592722E+21	2,741696E+21	1,335253E+21	1,335351E+21	2,741989E+21	5,593088E+21
-1196	9,357279E+21	1,302572E+22	1,538303E+22	1,538340E+22	1,302623E+22	9,357517E+21	5,593124E+21	2,741959E+21	1,335347E+21	1,335291E+21	2,741778E+21	5,592813E+21
-1195	9,357226E+21	1,302624E+22	1,538375E+22	1,538368E+22	1,302618E+22	9,357340E+21	5,592930E+21	2,741871E+21	1,335388E+21	1,335435E+21	2,742041E+21	5,593227E+21
-1194	9,357594E+21	1,302625E+22	1,538343E+22	1,538307E+22	1,302561E+22	9,357150E+21	5,592999E+21	2,741986E+21	1,335502E+21	1,335551E+21	2,742077E+21	5,592980E+21
-1193	9,356961E+21	1,302528E+22	1,538270E+22	1,538309E+22	1,302594E+22	9,357474E+21	5,593399E+21	2,742401E+21	1,335790E+21	1,335698E+21	2,742094E+21	5,592920E+21
-1192	9,357109E+21	1,302583E+22	1,538310E+22	1,538303E+22	1,302561E+22	9,357015E+21	5,593003E+21	2,742253E+21	1,335880E+21	1,335967E+21	2,742557E+21	5,593448E+21
-1191	9,357191E+21	1,302514E+22	1,538189E+22	1,538187E+22	1,302510E+22	9,357102E+21	5,593304E+21	2,742528E+21	1,336081E+21	1,336095E+21	2,742534E+21	5,593170E+21
-1190	9,356706E+21	1,302466E+22	1,538176E+22	1,538199E+22	1,302521E+22	9,357247E+21	5,593543E+21	2,742782E+21	1,336279E+21	1,336236E+21	2,742658E+21	5,593427E+21
-1189	9,357305E+21	1,302538E+22	1,538210E+22	1,538180E+22	1,302466E+22	9,356682E+21	5,593145E+21	2,742612E+21	1,336301E+21	1,336405E+21	2,742933E+21	5,593599E+21
-1188	9,357076E+21	1,302469E+22	1,538113E+22	1,538119E+22	1,302468E+22	9,357021E+21	5,593543E+21	2,742912E+21	1,336439E+21	1,336384E+21	2,742712E+21	5,593186E+21
-1187	9,356724E+21	1,302487E+22	1,538188E+22	1,538183E+22	1,302491E+22	9,356969E+21	5,593411E+21	2,742847E+21	1,336450E+21	1,336448E+21	2,742870E+21	5,593537E+21
-1186	9,357191E+21	1,302511E+22	1,538183E+22	1,538159E+22	1,302460E+22	9,356738E+21	5,593252E+21	2,742714E+21	1,336371E+21	1,336436E+21	2,742883E+21	5,593396E+21
-1185	9,356707E+21	1,302429E+22	1,538114E+22	1,538169E+22	1,302519E+22	9,357276E+21	5,593630E+21	2,742911E+21	1,336375E+21	1,336275E+21	2,742595E+21	5,593144E+21
-1184	9,356824E+21	1,302509E+22	1,538212E+22	1,538216E+22	1,302519E+22	9,357008E+21	5,593226E+21	2,742562E+21	1,336177E+21	1,336219E+21	2,742751E+21	5,593595E+21
-1183	9,357260E+21	1,302507E+22	1,538171E+22	1,538158E+22	1,302485E+22	9,357000E+21	5,593290E+21	2,742511E+21	1,336048E+21	1,336052E+21	2,742476E+21	5,593143E+21
-1182	9,356798E+21	1,302484E+22	1,538199E+22	1,538224E+22	1,302535E+22	9,357299E+21	5,593497E+21	2,742597E+21	1,336001E+21	1,335900E+21	2,742282E+21	5,593095E+21
-1181	9,357239E+21	1,302584E+22	1,538297E+22	1,538278E+22	1,302531E+22	9,356828E+21	5,592928E+21	2,742192E+21	1,335806E+21	1,335884E+21	2,742462E+21	5,593354E+21
-1180	9,357210E+21	1,302541E+22	1,538231E+22	1,538234E+22	1,302542E+22	9,357152E+21	5,593149E+21	2,742247E+21	1,335739E+21	1,335714E+21	2,742155E+21	5,592949E+21
-1179	9,356853E+21	1,302540E+22	1,538292E+22	1,538305E+22	1,302581E+22	9,357291E+21	5,593148E+21	2,742207E+21	1,335703E+21	1,335687E+21	2,742192E+21	5,593235E+21
-1178	9,357484E+21	1,302596E+22	1,538310E+22	1,538293E+22	1,302547E+22	9,356948E+21	5,592895E+21	2,742027E+21	1,335623E+21	1,335717E+21	2,742299E+21	5,593232E+21
-1177	9,357179E+21	1,302529E+22	1,538224E+22	1,538261E+22	1,302574E+22	9,357397E+21	5,593344E+21	2,742358E+21	1,335769E+21	1,335687E+21	2,742080E+21	5,592872E+21
-1176	9,356931E+21	1,302569E+22	1,538305E+22	1,538297E+22	1,302568E+22	9,357197E+21	5,593155E+21	2,742303E+21	1,335846E+21	1,335865E+21	2,742395E+21	5,593354E+21
-1175	9,357303E+21	1,302551E+22	1,538244E+22	1,538217E+22	1,302503E+22	9,356925E+21	5,593150E+21	2,742396E+21	1,335984E+21	1,336038E+21	2,742505E+21	5,593156E+21
-1174	9,356723E+21	1,302463E+22	1,538170E+22	1,538204E+22	1,302526E+22	9,357278E+21	5,593582E+21	2,742799E+21	1,336258E+21	1,336182E+21	2,742539E+21	5,593145E+21
-1173	9,356891E+21	1,302513E+22	1,538209E+22	1,538205E+22	1,302497E+22	9,356813E+21	5,593177E+21	2,742648E+21	1,336343E+21	1,336441E+21	2,742987E+21	5,593692E+21
-1172	9,357133E+21	1,302469E+22	1,538099E+22	1,538088E+22	1,302441E+22	9,356831E+21	5,593417E+21	2,742882E+21	1,336507E+21	1,336531E+21	2,742924E+21	5,593382E+21
-1171	9,356646E+21	1,302428E+22	1,538102E+22	1,538112E+22	1,302459E+22	9,356998E+21	5,593645E+21	2,743130E+21	1,336698E+21	1,336650E+21	2,742988E+21	5,593525E+21
-1170	9,357090E+21	1,302487E+22	1,538138E+22	1,538106E+22	1,302414E+22	9,356502E+21	5,593323E+21	2,743001E+21	1,336732E+21	1,336823E+21	2,743275E+21	5,593701E+21
-1169	9,356835E+21	1,302413E+22	1,538041E+22	1,538059E+22	1,302430E+22	9,356878E+21	5,593713E+21	2,743297E+21	1,336869E+21	1,336799E+21	2,743051E+21	5,593271E+21
-1168	9,356373E+21	1,302415E+22	1,538107E+22	1,538119E+22	1,302458E+22	9,356911E+21	5,593597E+21	2,743204E+21	1,336847E+21	1,336836E+21	2,743218E+21	5,593724E+21
-1167	9,356985E+21	1,302439E+22	1,538079E+22	1,538066E+22	1,302409E+22	9,356606E+21	5,593395E+21	2,743030E+21	1,336744E+21	1,336817E+21	2,743225E+21	5,593579E+21
-1166	9,356620E+21	1,302383E+22	1,538026E+22	1,538066E+22	1,302451E+22	9,357106E+21	5,593803E+21	2,743228E+21	1,336727E+21	1,336626E+21	2,742898E+21	5,593283E+21
-1165	9,356693E+21	1,302465E+22	1,538142E+22	1,538135E+22	1,302461E+22	9,356801E+21	5,593360E+21	2,742883E+21	1,336538E+21	1,336573E+21	2,743038E+21	5,593696E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,357158E+21	1,302478E+22	1,538117E+22	1,538091E+22	1,302428E+22	9,356709E+21	5,593329E+21	2,742778E+21	1,336385E+21	1,336400E+21	2,742779E+21	5,593265E+21
-1163	9,356649E+21	1,302445E+22	1,538146E+22	1,538170E+22	1,302494E+22	9,357059E+21	5,593501E+21	2,742835E+21	1,336327E+21	1,336241E+21	2,742579E+21	5,593210E+21
-1162	9,357030E+21	1,302528E+22	1,538225E+22	1,538215E+22	1,302496E+22	9,356728E+21	5,593045E+21	2,742464E+21	1,336134E+21	1,336225E+21	2,742776E+21	5,593525E+21
-1161	9,357097E+21	1,302491E+22	1,538159E+22	1,538171E+22	1,302507E+22	9,357082E+21	5,593318E+21	2,742556E+21	1,336082E+21	1,336052E+21	2,742443E+21	5,593074E+21
-1160	9,356688E+21	1,302491E+22	1,538220E+22	1,538237E+22	1,302543E+22	9,357241E+21	5,593361E+21	2,742559E+21	1,336072E+21	1,336036E+21	2,742484E+21	5,593372E+21
-1159	9,357335E+21	1,302543E+22	1,538222E+22	1,538200E+22	1,302488E+22	9,356787E+21	5,593078E+21	2,742408E+21	1,336046E+21	1,336130E+21	2,742631E+21	5,593331E+21
-1158	9,356979E+21	1,302482E+22	1,538149E+22	1,538166E+22	1,302504E+22	9,357191E+21	5,593553E+21	2,742777E+21	1,336232E+21	1,336146E+21	2,742469E+21	5,592996E+21
-1157	9,356623E+21	1,302497E+22	1,538217E+22	1,538216E+22	1,302512E+22	9,356976E+21	5,593312E+21	2,742721E+21	1,336336E+21	1,336361E+21	2,742831E+21	5,593543E+21
-1156	9,357099E+21	1,302487E+22	1,538145E+22	1,538121E+22	1,302441E+22	9,356668E+21	5,593242E+21	2,742752E+21	1,336438E+21	1,336519E+21	2,742962E+21	5,593431E+21
-1155	9,356624E+21	1,302406E+22	1,538076E+22	1,538106E+22	1,302461E+22	9,357020E+21	5,593666E+21	2,743136E+21	1,336687E+21	1,336625E+21	2,742935E+21	5,593362E+21
-1154	9,356789E+21	1,302457E+22	1,538114E+22	1,538104E+22	1,302430E+22	9,356611E+21	5,593355E+21	2,743035E+21	1,336777E+21	1,336868E+21	2,743348E+21	5,593856E+21
-1153	9,357022E+21	1,302424E+22	1,538025E+22	1,538008E+22	1,302385E+22	9,356643E+21	5,593608E+21	2,743292E+21	1,336957E+21	1,336957E+21	2,743249E+21	5,593448E+21
-1152	9,356368E+21	1,302374E+22	1,538038E+22	1,538051E+22	1,302415E+22	9,356855E+21	5,593832E+21	2,743534E+21	1,337144E+21	1,337076E+21	2,743338E+21	5,593631E+21
-1151	9,356788E+21	1,302415E+22	1,538042E+22	1,538024E+22	1,302368E+22	9,356353E+21	5,593472E+21	2,743376E+21	1,337177E+21	1,337268E+21	2,743658E+21	5,593842E+21
-1150	9,356588E+21	1,302349E+22	1,537950E+22	1,537966E+22	1,302376E+22	9,356787E+21	5,593909E+21	2,743648E+21	1,337275E+21	1,337217E+21	2,743432E+21	5,593460E+21
-1149	9,356161E+21	1,302345E+22	1,538014E+22	1,538034E+22	1,302407E+22	9,356780E+21	5,593770E+21	2,743544E+21	1,337231E+21	1,337224E+21	2,743559E+21	5,593898E+21
-1148	9,356927E+21	1,302397E+22	1,537996E+22	1,537975E+22	1,302347E+22	9,356379E+21	5,593489E+21	2,743314E+21	1,337082E+21	1,337165E+21	2,743540E+21	5,593750E+21
-1147	9,356582E+21	1,302354E+22	1,537966E+22	1,537987E+22	1,302390E+22	9,356836E+21	5,593850E+21	2,743491E+21	1,337052E+21	1,336951E+21	2,743163E+21	5,593367E+21
-1146	9,356534E+21	1,302424E+22	1,538083E+22	1,538069E+22	1,302410E+22	9,356595E+21	5,593468E+21	2,743180E+21	1,336878E+21	1,336911E+21	2,743327E+21	5,593801E+21
-1145	9,356993E+21	1,302432E+22	1,538061E+22	1,538044E+22	1,302395E+22	9,356551E+21	5,593423E+21	2,743070E+21	1,336732E+21	1,336744E+21	2,743074E+21	5,593374E+21
-1144	9,356434E+21	1,302391E+22	1,538081E+22	1,538117E+22	1,302466E+22	9,357000E+21	5,593632E+21	2,743120E+21	1,336661E+21	1,336577E+21	2,742889E+21	5,593387E+21
-1143	9,356897E+21	1,302470E+22	1,538134E+22	1,538131E+22	1,302450E+22	9,356628E+21	5,593199E+21	2,742775E+21	1,336492E+21	1,336582E+21	2,743082E+21	5,593671E+21
-1142	9,357014E+21	1,302452E+22	1,538084E+22	1,538077E+22	1,302446E+22	9,356960E+21	5,593526E+21	2,742909E+21	1,336466E+21	1,336428E+21	2,742751E+21	5,593178E+21
-1141	9,356484E+21	1,302437E+22	1,538148E+22	1,538159E+22	1,302487E+22	9,357076E+21	5,593558E+21	2,742955E+21	1,336504E+21	1,336455E+21	2,742810E+21	5,593438E+21
-1140	9,357120E+21	1,302495E+22	1,538150E+22	1,538121E+22	1,302429E+22	9,356530E+21	5,593186E+21	2,742767E+21	1,336481E+21	1,336574E+21	2,743021E+21	5,593478E+21
-1139	9,356750E+21	1,302423E+22	1,538069E+22	1,538085E+22	1,302448E+22	9,356936E+21	5,593620E+21	2,743115E+21	1,336666E+21	1,336592E+21	2,742866E+21	5,593162E+21
-1138	9,356381E+21	1,302424E+22	1,538117E+22	1,538123E+22	1,302458E+22	9,356833E+21	5,593480E+21	2,743091E+21	1,336771E+21	1,336808E+21	2,743246E+21	5,593774E+21
-1137	9,356984E+21	1,302425E+22	1,538053E+22	1,538034E+22	1,302385E+22	9,356489E+21	5,593414E+21	2,743137E+21	1,336877E+21	1,336953E+21	2,743340E+21	5,593616E+21
-1136	9,356485E+21	1,302350E+22	1,537990E+22	1,538020E+22	1,302407E+22	9,356869E+21	5,593856E+21	2,743531E+21	1,337124E+21	1,337051E+21	2,743301E+21	5,593534E+21
-1135	9,356635E+21	1,302401E+22	1,538022E+22	1,538004E+22	1,302365E+22	9,356408E+21	5,593541E+21	2,743453E+21	1,337249E+21	1,337330E+21	2,743727E+21	5,593978E+21
-1134	9,356813E+21	1,302374E+22	1,537951E+22	1,537918E+22	1,302318E+22	9,356446E+21	5,593810E+21	2,743714E+21	1,337437E+21	1,337435E+21	2,743656E+21	5,593579E+21
-1133	9,356055E+21	1,302300E+22	1,537950E+22	1,537975E+22	1,302368E+22	9,356702E+21	5,594001E+21	2,743934E+21	1,337614E+21	1,337552E+21	2,743747E+21	5,593790E+21
-1132	9,356594E+21	1,302353E+22	1,537946E+22	1,537932E+22	1,302313E+22	9,356173E+21	5,593580E+21	2,743697E+21	1,337581E+21	1,337695E+21	2,744057E+21	5,594069E+21
-1131	9,356493E+21	1,302296E+22	1,537863E+22	1,537873E+22	1,302315E+22	9,356567E+21	5,593996E+21	2,743940E+21	1,337633E+21	1,337578E+21	2,743748E+21	5,593620E+21
-1130	9,356065E+21	1,302296E+22	1,537929E+22	1,537944E+22	1,302348E+22	9,356613E+21	5,593930E+21	2,743864E+21	1,337579E+21	1,337562E+21	2,743842E+21	5,594013E+21
-1129	9,356817E+21	1,302358E+22	1,537938E+22	1,537912E+22	1,302296E+22	9,356178E+21	5,593622E+21	2,743635E+21	1,337431E+21	1,337494E+21	2,743796E+21	5,593800E+21

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°
-1128	9,356366E+21	1,302311E+22	1,537918E+22	1,537942E+22	1,302354E+22	9,356684E+21	5,593961E+21	2,743786E+21	1,337389E+21	1,337283E+21	2,743453E+21	5,593469E+21
-1127	9,356315E+21	1,302368E+22	1,538007E+22	1,538002E+22	1,302370E+22	9,356463E+21	5,593575E+21	2,743471E+21	1,337230E+21	1,337269E+21	2,743645E+21	5,593933E+21
-1126	9,356826E+21	1,302385E+22	1,537992E+22	1,537968E+22	1,302349E+22	9,356483E+21	5,593587E+21	2,743363E+21	1,337077E+21	1,337098E+21	2,743396E+21	5,593534E+21
-1125	9,356282E+21	1,302335E+22	1,538004E+22	1,538048E+22	1,302425E+22	9,356914E+21	5,593803E+21	2,743440E+21	1,337020E+21	1,336935E+21	2,743186E+21	5,593508E+21
-1124	9,356829E+21	1,302432E+22	1,538057E+22	1,538047E+22	1,302396E+22	9,356458E+21	5,593323E+21	2,743080E+21	1,336849E+21	1,336942E+21	2,743389E+21	5,593795E+21
-1123	9,356900E+21	1,302415E+22	1,538022E+22	1,538001E+22	1,302385E+22	9,356715E+21	5,593627E+21	2,743235E+21	1,336849E+21	1,336805E+21	2,743062E+21	5,593266E+21
-1122	9,356249E+21	1,302378E+22	1,538070E+22	1,538084E+22	1,302432E+22	9,356875E+21	5,593714E+21	2,743327E+21	1,336926E+21	1,336879E+21	2,743184E+21	5,593570E+21
-1121	9,356856E+21	1,302426E+22	1,538068E+22	1,538053E+22	1,302382E+22	9,356350E+21	5,593322E+21	2,743135E+21	1,336916E+21	1,337014E+21	2,743419E+21	5,593662E+21
-1120	9,356534E+21	1,302356E+22	1,537978E+22	1,538004E+22	1,302399E+22	9,356797E+21	5,593765E+21	2,743463E+21	1,337085E+21	1,337028E+21	2,743279E+21	5,593407E+21
-1119	9,356269E+21	1,302359E+22	1,538005E+22	1,538011E+22	1,302388E+22	9,356634E+21	5,593650E+21	2,743476E+21	1,337218E+21	1,337257E+21	2,743638E+21	5,593973E+21
-1118	9,356915E+21	1,302382E+22	1,537966E+22	1,537926E+22	1,302310E+22	9,356296E+21	5,593619E+21	2,743550E+21	1,337342E+21	1,337409E+21	2,743719E+21	5,593759E+21
-1117	9,356294E+21	1,302295E+22	1,537912E+22	1,537937E+22	1,302345E+22	9,356658E+21	5,594046E+21	2,743963E+21	1,337612E+21	1,337527E+21	2,743673E+21	5,593625E+21
-1116	9,356420E+21	1,302348E+22	1,537942E+22	1,537923E+22	1,302306E+22	9,356170E+21	5,593667E+21	2,743837E+21	1,337713E+21	1,337802E+21	2,744139E+21	5,594131E+21
-1115	9,356570E+21	1,302312E+22	1,537870E+22	1,537840E+22	1,302265E+22	9,356237E+21	5,593912E+21	2,744062E+21	1,337867E+21	1,337873E+21	2,744044E+21	5,593741E+21
-1114	9,355813E+21	1,302227E+22	1,537850E+22	1,537887E+22	1,302317E+22	9,356603E+21	5,594196E+21	2,744291E+21	1,338017E+21	1,337963E+21	2,744122E+21	5,593973E+21
-1113	9,356428E+21	1,302292E+22	1,537860E+22	1,537854E+22	1,302262E+22	9,356039E+21	5,593762E+21	2,744047E+21	1,337962E+21	1,338064E+21	2,744372E+21	5,594208E+21
-1112	9,356360E+21	1,302249E+22	1,537787E+22	1,537796E+22	1,302264E+22	9,356427E+21	5,594159E+21	2,744271E+21	1,337992E+21	1,337928E+21	2,744048E+21	5,593741E+21
-1111	9,355916E+21	1,302249E+22	1,537849E+22	1,537856E+22	1,302285E+22	9,356404E+21	5,594082E+21	2,744215E+21	1,337967E+21	1,337936E+21	2,744150E+21	5,594107E+21
-1110	9,356637E+21	1,302317E+22	1,537877E+22	1,537841E+22	1,302242E+22	9,355988E+21	5,593759E+21	2,743972E+21	1,337823E+21	1,337883E+21	2,744135E+21	5,593928E+21
-1109	9,356125E+21	1,302250E+22	1,537846E+22	1,537885E+22	1,302318E+22	9,356547E+21	5,594071E+21	2,744095E+21	1,337767E+21	1,337669E+21	2,743791E+21	5,593629E+21
-1108	9,356216E+21	1,302322E+22	1,537929E+22	1,537927E+22	1,302324E+22	9,356315E+21	5,593659E+21	2,743727E+21	1,337562E+21	1,337623E+21	2,743981E+21	5,594136E+21
-1107	9,356778E+21	1,302347E+22	1,537923E+22	1,537893E+22	1,302295E+22	9,356280E+21	5,593669E+21	2,743623E+21	1,337392E+21	1,337413E+21	2,743662E+21	5,593648E+21
-1106	9,356170E+21	1,302291E+22	1,537930E+22	1,537971E+22	1,302374E+22	9,356788E+21	5,593976E+21	2,743758E+21	1,337365E+21	1,337270E+21	2,743459E+21	5,593574E+21
-1105	9,356622E+21	1,302387E+22	1,538001E+22	1,537990E+22	1,302348E+22	9,356280E+21	5,593473E+21	2,743422E+21	1,337226E+21	1,337301E+21	2,743670E+21	5,593839E+21
-1104	9,356619E+21	1,302359E+22	1,537954E+22	1,537943E+22	1,302345E+22	9,356562E+21	5,593763E+21	2,743571E+21	1,337238E+21	1,337200E+21	2,743419E+21	5,593402E+21
-1103	9,355989E+21	1,302307E+22	1,537968E+22	1,537994E+22	1,302379E+22	9,356725E+21	5,593869E+21	2,743687E+21	1,337350E+21	1,337312E+21	2,743583E+21	5,593770E+21
-1102	9,356690E+21	1,302368E+22	1,537974E+22	1,537952E+22	1,302319E+22	9,356212E+21	5,593512E+21	2,743507E+21	1,337350E+21	1,337457E+21	2,743829E+21	5,593890E+21
-1101	9,356401E+21	1,302295E+22	1,537883E+22	1,537913E+22	1,302340E+22	9,356617E+21	5,593944E+21	2,743852E+21	1,337533E+21	1,337475E+21	2,743656E+21	5,593588E+21
-1100	9,356229E+21	1,302320E+22	1,537918E+22	1,537910E+22	1,302316E+22	9,356376E+21	5,593784E+21	2,743849E+21	1,337662E+21	1,337704E+21	2,744021E+21	5,594133E+21
-1099	9,356780E+21	1,302342E+22	1,537898E+22	1,537843E+22	1,302240E+22	9,355989E+21	5,593733E+21	2,743935E+21	1,337797E+21	1,337857E+21	2,744086E+21	5,593862E+21
-1098	9,356024E+21	1,302232E+22	1,537828E+22	1,537862E+22	1,302293E+22	9,356480E+21	5,594227E+21	2,744376E+21	1,338084E+21	1,338000E+21	2,744086E+21	5,593763E+21
-1097	9,356102E+21	1,302275E+22	1,537856E+22	1,537854E+22	1,302263E+22	9,356040E+21	5,593844E+21	2,744230E+21	1,338167E+21	1,338253E+21	2,744534E+21	5,594300E+21
-1096	9,356330E+21	1,302242E+22	1,537774E+22	1,537759E+22	1,302219E+22	9,356148E+21	5,594106E+21	2,744424E+21	1,338278E+21	1,338295E+21	2,744436E+21	5,593950E+21
-1095	9,355668E+21	1,302161E+22	1,537737E+22	1,537777E+22	1,302250E+22	9,356439E+21	5,594398E+21	2,744674E+21	1,338436E+21	1,338371E+21	2,744475E+21	5,594133E+21
-1094	9,356301E+21	1,302249E+22	1,537777E+22	1,537753E+22	1,302193E+22	9,355860E+21	5,593954E+21	2,744427E+21	1,338379E+21	1,338466E+21	2,744702E+21	5,594327E+21
-1093	9,356163E+21	1,302200E+22	1,537718E+22	1,537725E+22	1,302209E+22	9,356202E+21	5,594292E+21	2,744628E+21	1,338403E+21	1,338330E+21	2,744367E+21	5,593840E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,355768E+21	1,302207E+22	1,537779E+22	1,537785E+22	1,302232E+22	9,356151E+21	5,594139E+21	2,744505E+21	1,338338E+21	1,338321E+21	2,744499E+21	5,594267E+21
-1091	9,356480E+21	1,302272E+22	1,537814E+22	1,537780E+22	1,302199E+22	9,355779E+21	5,593806E+21	2,744224E+21	1,338150E+21	1,338221E+21	2,744444E+21	5,594089E+21
-1090	9,355987E+21	1,302199E+22	1,537770E+22	1,537818E+22	1,302279E+22	9,356453E+21	5,594209E+21	2,744363E+21	1,338078E+21	1,337990E+21	2,744086E+21	5,593778E+21
-1089	9,356079E+21	1,302275E+22	1,537863E+22	1,537868E+22	1,302285E+22	9,356216E+21	5,593814E+21	2,744014E+21	1,337872E+21	1,337919E+21	2,744219E+21	5,594218E+21
-1088	9,356638E+21	1,302309E+22	1,537862E+22	1,537832E+22	1,302255E+22	9,356183E+21	5,593829E+21	2,743917E+21	1,337711E+21	1,337730E+21	2,743929E+21	5,593723E+21
-1087	9,355968E+21	1,302242E+22	1,537850E+22	1,537887E+22	1,302315E+22	9,356606E+21	5,594149E+21	2,744116E+21	1,337755E+21	1,337650E+21	2,743774E+21	5,593658E+21
-1086	9,356355E+21	1,302333E+22	1,537925E+22	1,537912E+22	1,302296E+22	9,356118E+21	5,593633E+21	2,743792E+21	1,337653E+21	1,337727E+21	2,744046E+21	5,593991E+21
-1085	9,356358E+21	1,302290E+22	1,537863E+22	1,537867E+22	1,302297E+22	9,356394E+21	5,593897E+21	2,743930E+21	1,337674E+21	1,337646E+21	2,743815E+21	5,593617E+21
-1084	9,355909E+21	1,302255E+22	1,537869E+22	1,537892E+22	1,302312E+22	9,356480E+21	5,593977E+21	2,744019E+21	1,337764E+21	1,337745E+21	2,743989E+21	5,594020E+21
-1083	9,356648E+21	1,302326E+22	1,537891E+22	1,537858E+22	1,302248E+22	9,355912E+21	5,593617E+21	2,743853E+21	1,337759E+21	1,337863E+21	2,744175E+21	5,594053E+21
-1082	9,356282E+21	1,302249E+22	1,537803E+22	1,537826E+22	1,302277E+22	9,356408E+21	5,594121E+21	2,744242E+21	1,337970E+21	1,337907E+21	2,744013E+21	5,593692E+21
-1081	9,355976E+21	1,302268E+22	1,537854E+22	1,537847E+22	1,302265E+22	9,356178E+21	5,593960E+21	2,744257E+21	1,338121E+21	1,338147E+21	2,744374E+21	5,594211E+21
-1080	9,356464E+21	1,302278E+22	1,537821E+22	1,537781E+22	1,302202E+22	9,355869E+21	5,593910E+21	2,744326E+21	1,338251E+21	1,338321E+21	2,744498E+21	5,594005E+21
-1079	9,355710E+21	1,302154E+22	1,537716E+22	1,537764E+22	1,302240E+22	9,356383E+21	5,594449E+21	2,744795E+21	1,338558E+21	1,338476E+21	2,744516E+21	5,593963E+21
-1078	9,355865E+21	1,302205E+22	1,537750E+22	1,537751E+22	1,302204E+22	9,355944E+21	5,594079E+21	2,744648E+21	1,338631E+21	1,338714E+21	2,744942E+21	5,594509E+21
-1077	9,356154E+21	1,302174E+22	1,537669E+22	1,537662E+22	1,302160E+22	9,355982E+21	5,594308E+21	2,744830E+21	1,338727E+21	1,338733E+21	2,744802E+21	5,594134E+21
-1076	9,355625E+21	1,302121E+22	1,537647E+22	1,537672E+22	1,302175E+22	9,356154E+21	5,594520E+21	2,745028E+21	1,338849E+21	1,338787E+21	2,744840E+21	5,594307E+21
-1075	9,356189E+21	1,302212E+22	1,537714E+22	1,537674E+22	1,302123E+22	9,355506E+21	5,594022E+21	2,744754E+21	1,338768E+21	1,338850E+21	2,745029E+21	5,594451E+21
-1074	9,355958E+21	1,302149E+22	1,537649E+22	1,537662E+22	1,302164E+22	9,355998E+21	5,594382E+21	2,744931E+21	1,338775E+21	1,338713E+21	2,744715E+21	5,593994E+21
-1073	9,355558E+21	1,302155E+22	1,537717E+22	1,537733E+22	1,302198E+22	9,356016E+21	5,594228E+21	2,744775E+21	1,338671E+21	1,338659E+21	2,744797E+21	5,594418E+21
-1072	9,356347E+21	1,302224E+22	1,537743E+22	1,537721E+22	1,302166E+22	9,355712E+21	5,593937E+21	2,744478E+21	1,338448E+21	1,338529E+21	2,744720E+21	5,594219E+21
-1071	9,355871E+21	1,302153E+22	1,537684E+22	1,537733E+22	1,302228E+22	9,356350E+21	5,594393E+21	2,744679E+21	1,338411E+21	1,338307E+21	2,744342E+21	5,593862E+21
-1070	9,355908E+21	1,302236E+22	1,537796E+22	1,537790E+22	1,302234E+22	9,356104E+21	5,594006E+21	2,744363E+21	1,338241E+21	1,338264E+21	2,744479E+21	5,594255E+21
-1069	9,356357E+21	1,302254E+22	1,537795E+22	1,537770E+22	1,302211E+22	9,356018E+21	5,593987E+21	2,744273E+21	1,338109E+21	1,338115E+21	2,744234E+21	5,593811E+21
-1068	9,355778E+21	1,302192E+22	1,537768E+22	1,537806E+22	1,302260E+22	9,356370E+21	5,594233E+21	2,744428E+21	1,338145E+21	1,338058E+21	2,744155E+21	5,593849E+21
-1067	9,356176E+21	1,302279E+22	1,537845E+22	1,537832E+22	1,302239E+22	9,355867E+21	5,593711E+21	2,744094E+21	1,338027E+21	1,338115E+21	2,744409E+21	5,594205E+21
-1066	9,356233E+21	1,302234E+22	1,537775E+22	1,537783E+22	1,302245E+22	9,356222E+21	5,594032E+21	2,744253E+21	1,338058E+21	1,338045E+21	2,744186E+21	5,593825E+21
-1065	9,355801E+21	1,302209E+22	1,537797E+22	1,537817E+22	1,302258E+22	9,356282E+21	5,594116E+21	2,744365E+21	1,338159E+21	1,338131E+21	2,744308E+21	5,594157E+21
-1064	9,356519E+21	1,302285E+22	1,537823E+22	1,537786E+22	1,302198E+22	9,355754E+21	5,593788E+21	2,744219E+21	1,338175E+21	1,338279E+21	2,744524E+21	5,594158E+21
-1063	9,356039E+21	1,302192E+22	1,537716E+22	1,537738E+22	1,302216E+22	9,356215E+21	5,594330E+21	2,744681E+21	1,338455E+21	1,338382E+21	2,744414E+21	5,593818E+21
-1062	9,355649E+21	1,302198E+22	1,537762E+22	1,537763E+22	1,302215E+22	9,356060E+21	5,594174E+21	2,744706E+21	1,338631E+21	1,338654E+21	2,744812E+21	5,594383E+21
-1061	9,356153E+21	1,302196E+22	1,537713E+22	1,537692E+22	1,302154E+22	9,355761E+21	5,594120E+21	2,744754E+21	1,338750E+21	1,338824E+21	2,744940E+21	5,594249E+21
-1060	9,355614E+21	1,302091E+22	1,537598E+22	1,537642E+22	1,302165E+22	9,356154E+21	5,594609E+21	2,745178E+21	1,339013E+21	1,338944E+21	2,744947E+21	5,594218E+21
-1059	9,355787E+21	1,302154E+22	1,537656E+22	1,537644E+22	1,302125E+22	9,355625E+21	5,594206E+21	2,745019E+21	1,339053E+21	1,339126E+21	2,745290E+21	5,594674E+21
-1058	9,356035E+21	1,302128E+22	1,537589E+22	1,537572E+22	1,302092E+22	9,355708E+21	5,594436E+21	2,745192E+21	1,339142E+21	1,339145E+21	2,745145E+21	5,594251E+21
-1057	9,355401E+21	1,302074E+22	1,537590E+22	1,537611E+22	1,302121E+22	9,355885E+21	5,594611E+21	2,745362E+21	1,339241E+21	1,339169E+21	2,745153E+21	5,594405E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,355963E+21	1,302161E+22	1,537652E+22	1,537623E+22	1,302091E+22	9,355381E+21	5,594125E+21	2,745039E+21	1,339120E+21	1,339218E+21	2,745362E+21	5,594579E+21
-1055	9,355738E+21	1,302091E+22	1,537565E+22	1,537585E+22	1,302122E+22	9,355915E+21	5,594546E+21	2,745243E+21	1,339130E+21	1,339071E+21	2,745035E+21	5,594146E+21
-1054	9,355388E+21	1,302103E+22	1,537639E+22	1,537658E+22	1,302159E+22	9,355983E+21	5,594424E+21	2,745100E+21	1,339025E+21	1,338999E+21	2,745073E+21	5,594527E+21
-1053	9,356182E+21	1,302173E+22	1,537666E+22	1,537650E+22	1,302128E+22	9,355636E+21	5,594122E+21	2,744812E+21	1,338806E+21	1,338867E+21	2,744974E+21	5,594306E+21
-1052	9,355782E+21	1,302117E+22	1,537610E+22	1,537643E+22	1,302166E+22	9,356132E+21	5,594518E+21	2,744995E+21	1,338772E+21	1,338666E+21	2,744645E+21	5,593970E+21
-1051	9,355708E+21	1,302191E+22	1,537736E+22	1,537721E+22	1,302175E+22	9,355799E+21	5,594089E+21	2,744682E+21	1,338610E+21	1,338630E+21	2,744792E+21	5,594365E+21
-1050	9,356109E+21	1,302194E+22	1,537718E+22	1,537702E+22	1,302166E+22	9,355822E+21	5,594076E+21	2,744582E+21	1,338489E+21	1,338516E+21	2,744612E+21	5,594006E+21
-1049	9,355582E+21	1,302136E+22	1,537697E+22	1,537737E+22	1,302214E+22	9,356186E+21	5,594321E+21	2,744718E+21	1,338507E+21	1,338434E+21	2,744507E+21	5,594068E+21
-1048	9,356104E+21	1,302232E+22	1,537767E+22	1,537755E+22	1,302192E+22	9,355731E+21	5,593843E+21	2,744385E+21	1,338380E+21	1,338487E+21	2,744748E+21	5,594382E+21
-1047	9,356145E+21	1,302188E+22	1,537688E+22	1,537686E+22	1,302182E+22	9,356046E+21	5,594214E+21	2,744623E+21	1,338467E+21	1,338445E+21	2,744517E+21	5,593954E+21
-1046	9,355638E+21	1,302166E+22	1,537724E+22	1,537734E+22	1,302204E+22	9,356136E+21	5,594313E+21	2,744779E+21	1,338618E+21	1,338569E+21	2,744645E+21	5,594229E+21
-1045	9,356220E+21	1,302220E+22	1,537742E+22	1,537716E+22	1,302155E+22	9,355611E+21	5,593987E+21	2,744654E+21	1,338665E+21	1,338755E+21	2,744904E+21	5,594284E+21
-1044	9,355810E+21	1,302128E+22	1,537618E+22	1,537642E+22	1,302157E+22	9,356021E+21	5,594489E+21	2,745083E+21	1,338936E+21	1,338878E+21	2,744870E+21	5,594047E+21
-1043	9,355424E+21	1,302127E+22	1,537664E+22	1,537666E+22	1,302150E+22	9,355820E+21	5,594332E+21	2,745097E+21	1,339084E+21	1,339113E+21	2,745225E+21	5,594596E+21
-1042	9,355969E+21	1,302126E+22	1,537607E+22	1,537589E+22	1,302091E+22	9,355580E+21	5,594304E+21	2,745144E+21	1,339194E+21	1,339277E+21	2,745351E+21	5,594463E+21
-1041	9,355476E+21	1,302041E+22	1,537517E+22	1,537549E+22	1,302098E+22	9,355906E+21	5,594746E+21	2,745544E+21	1,339431E+21	1,339354E+21	2,745291E+21	5,594372E+21
-1040	9,355666E+21	1,302111E+22	1,537584E+22	1,537561E+22	1,302064E+22	9,355403E+21	5,594342E+21	2,745367E+21	1,339459E+21	1,339535E+21	2,745630E+21	5,594773E+21
-1039	9,355810E+21	1,302074E+22	1,537511E+22	1,537490E+22	1,302032E+22	9,355479E+21	5,594584E+21	2,745573E+21	1,339577E+21	1,339571E+21	2,745509E+21	5,594382E+21
-1038	9,355154E+21	1,302015E+22	1,537513E+22	1,537542E+22	1,302082E+22	9,355762E+21	5,594750E+21	2,745722E+21	1,339668E+21	1,339590E+21	2,745510E+21	5,594549E+21
-1037	9,355727E+21	1,302094E+22	1,537565E+22	1,537553E+22	1,302058E+22	9,355329E+21	5,594301E+21	2,745382E+21	1,339515E+21	1,339608E+21	2,745692E+21	5,594759E+21
-1036	9,355676E+21	1,302043E+22	1,537477E+22	1,537491E+22	1,302064E+22	9,355755E+21	5,594685E+21	2,745548E+21	1,339484E+21	1,339432E+21	2,745357E+21	5,594317E+21
-1035	9,355294E+21	1,302062E+22	1,537570E+22	1,537577E+22	1,302098E+22	9,355747E+21	5,594550E+21	2,745406E+21	1,339359E+21	1,339322E+21	2,745327E+21	5,594594E+21
-1034	9,355996E+21	1,302128E+22	1,537602E+22	1,537580E+22	1,302078E+22	9,355456E+21	5,594246E+21	2,745119E+21	1,339157E+21	1,339218E+21	2,745265E+21	5,594378E+21
-1033	9,355532E+21	1,302072E+22	1,537559E+22	1,537586E+22	1,302120E+22	9,355911E+21	5,594588E+21	2,745277E+21	1,339114E+21	1,339011E+21	2,744945E+21	5,594085E+21
-1032	9,355515E+21	1,302138E+22	1,537667E+22	1,537662E+22	1,302141E+22	9,355681E+21	5,594176E+21	2,744938E+21	1,338940E+21	1,338986E+21	2,745126E+21	5,594527E+21
-1031	9,355945E+21	1,302137E+22	1,537631E+22	1,537618E+22	1,302117E+22	9,355694E+21	5,594224E+21	2,744893E+21	1,338850E+21	1,338886E+21	2,744961E+21	5,594217E+21
-1030	9,355492E+21	1,302085E+22	1,537615E+22	1,537657E+22	1,302168E+22	9,356076E+21	5,594484E+21	2,745059E+21	1,338893E+21	1,338812E+21	2,744824E+21	5,594219E+21
-1029	9,355997E+21	1,302184E+22	1,537689E+22	1,537676E+22	1,302145E+22	9,355622E+21	5,594039E+21	2,744764E+21	1,338795E+21	1,338883E+21	2,745058E+21	5,594510E+21
-1028	9,356067E+21	1,302150E+22	1,537612E+22	1,537589E+22	1,302111E+22	9,355795E+21	5,594362E+21	2,745004E+21	1,338908E+21	1,338885E+21	2,744890E+21	5,594085E+21
-1027	9,355401E+21	1,302109E+22	1,537652E+22	1,537656E+22	1,302141E+22	9,355852E+21	5,594451E+21	2,745177E+21	1,339076E+21	1,339025E+21	2,745028E+21	5,594347E+21
-1026	9,355921E+21	1,302148E+22	1,537648E+22	1,537634E+22	1,302106E+22	9,355447E+21	5,594135E+21	2,745046E+21	1,339139E+21	1,339244E+21	2,745349E+21	5,594487E+21
-1025	9,355558E+21	1,302058E+22	1,537526E+22	1,537548E+22	1,302098E+22	9,355832E+21	5,594639E+21	2,745458E+21	1,339382E+21	1,339332E+21	2,745281E+21	5,594278E+21
-1024	9,355308E+21	1,302065E+22	1,537565E+22	1,537568E+22	1,302090E+22	9,355658E+21	5,594505E+21	2,745462E+21	1,339510E+21	1,339548E+21	2,745605E+21	5,594761E+21
-1023	9,355818E+21	1,302070E+22	1,537508E+22	1,537479E+22	1,302016E+22	9,355351E+21	5,594503E+21	2,745567E+21	1,339653E+21	1,339721E+21	2,745720E+21	5,594601E+21
-1022	9,355281E+21	1,301988E+22	1,537437E+22	1,537462E+22	1,302038E+22	9,355692E+21	5,594915E+21	2,745964E+21	1,339905E+21	1,339807E+21	2,745645E+21	5,594459E+21
-1021	9,355386E+21	1,302048E+22	1,537505E+22	1,537491E+22	1,302020E+22	9,355248E+21	5,594511E+21	2,745770E+21	1,339924E+21	1,339987E+21	2,746001E+21	5,594917E+21

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°
-1020	9,355627E+21	1,302016E+22	1,537423E+22	1,537402E+22	1,301978E+22	9,355293E+21	5,594701E+21	2,745913E+21	1,339998E+21	1,340010E+21	2,745915E+21	5,594594E+21
-1019	9,354994E+21	1,301957E+22	1,537433E+22	1,537464E+22	1,302029E+22	9,355576E+21	5,594883E+21	2,746041E+21	1,340038E+21	1,339967E+21	2,745844E+21	5,594713E+21
-1018	9,355595E+21	1,302039E+22	1,537480E+22	1,537475E+22	1,302014E+22	9,355225E+21	5,594457E+21	2,745694E+21	1,339869E+21	1,339967E+21	2,746006E+21	5,594897E+21
-1017	9,355541E+21	1,302004E+22	1,537418E+22	1,537417E+22	1,302012E+22	9,355585E+21	5,594809E+21	2,745838E+21	1,339811E+21	1,339752E+21	2,745623E+21	5,594421E+21
-1016	9,355168E+21	1,302021E+22	1,537512E+22	1,537512E+22	1,302050E+22	9,355585E+21	5,594668E+21	2,745684E+21	1,339685E+21	1,339655E+21	2,745605E+21	5,594644E+21
-1015	9,355736E+21	1,302073E+22	1,537530E+22	1,537510E+22	1,302027E+22	9,355272E+21	5,594378E+21	2,745442E+21	1,339524E+21	1,339586E+21	2,745597E+21	5,594519E+21
-1014	9,355331E+21	1,302015E+22	1,537482E+22	1,537519E+22	1,302083E+22	9,355792E+21	5,594696E+21	2,745585E+21	1,339489E+21	1,339390E+21	2,745283E+21	5,594257E+21
-1013	9,355377E+21	1,302080E+22	1,537581E+22	1,537585E+22	1,302100E+22	9,355606E+21	5,594338E+21	2,745260E+21	1,339311E+21	1,339352E+21	2,745446E+21	5,594727E+21
-1012	9,355957E+21	1,302097E+22	1,537548E+22	1,537522E+22	1,302052E+22	9,355481E+21	5,594346E+21	2,745205E+21	1,339218E+21	1,339259E+21	2,745293E+21	5,594397E+21
-1011	9,355440E+21	1,302050E+22	1,537551E+22	1,537576E+22	1,302101E+22	9,355793E+21	5,594605E+21	2,745396E+21	1,339272E+21	1,339180E+21	2,745111E+21	5,594284E+21
-1010	9,355781E+21	1,302135E+22	1,537622E+22	1,537606E+22	1,302094E+22	9,355436E+21	5,594188E+21	2,745131E+21	1,339217E+21	1,339303E+21	2,745402E+21	5,594579E+21
-1009	9,355756E+21	1,302095E+22	1,537551E+22	1,537526E+22	1,302064E+22	9,355598E+21	5,594481E+21	2,745356E+21	1,339333E+21	1,339317E+21	2,745268E+21	5,594228E+21
-1008	9,355153E+21	1,302041E+22	1,537564E+22	1,537580E+22	1,302098E+22	9,355752E+21	5,594608E+21	2,745522E+21	1,339501E+21	1,339472E+21	2,745429E+21	5,594498E+21
-1007	9,355652E+21	1,302072E+22	1,537541E+22	1,537532E+22	1,302046E+22	9,355328E+21	5,594361E+21	2,745457E+21	1,339596E+21	1,339704E+21	2,745766E+21	5,594708E+21
-1006	9,355411E+21	1,301993E+22	1,537422E+22	1,537448E+22	1,302038E+22	9,355679E+21	5,594841E+21	2,745883E+21	1,339856E+21	1,339792E+21	2,745664E+21	5,594444E+21
-1005	9,355159E+21	1,302006E+22	1,537467E+22	1,537468E+22	1,302027E+22	9,355494E+21	5,594725E+21	2,745903E+21	1,339992E+21	1,340008E+21	2,745977E+21	5,594919E+21
-1004	9,355701E+21	1,302020E+22	1,537421E+22	1,537376E+22	1,301937E+22	9,355032E+21	5,594640E+21	2,745976E+21	1,340134E+21	1,340203E+21	2,746145E+21	5,594781E+21
-1003	9,355076E+21	1,301931E+22	1,537361E+22	1,537384E+22	1,301972E+22	9,355370E+21	5,595015E+21	2,746339E+21	1,340358E+21	1,340269E+21	2,746052E+21	5,594628E+21
-1002	9,355154E+21	1,301982E+22	1,537416E+22	1,537414E+22	1,301976E+22	9,355112E+21	5,594643E+21	2,746116E+21	1,340353E+21	1,340438E+21	2,746419E+21	5,595127E+21
-1001	9,355457E+21	1,301963E+22	1,537349E+22	1,537322E+22	1,301926E+22	9,355143E+21	5,594824E+21	2,746214E+21	1,340365E+21	1,340389E+21	2,746261E+21	5,594794E+21
-1000	9,354939E+21	1,301912E+22	1,537355E+22	1,537386E+22	1,301981E+22	9,355465E+21	5,595029E+21	2,746327E+21	1,340373E+21	1,340308E+21	2,746123E+21	5,594789E+21
-999	9,355423E+21	1,301994E+22	1,537404E+22	1,537391E+22	1,301957E+22	9,355077E+21	5,594643E+21	2,746038E+21	1,340231E+21	1,340308E+21	2,746277E+21	5,594963E+21
-998	9,355324E+21	1,301955E+22	1,537351E+22	1,537354E+22	1,301968E+22	9,355429E+21	5,594956E+21	2,746180E+21	1,340188E+21	1,340108E+21	2,745898E+21	5,594470E+21
-997	9,354906E+21	1,301962E+22	1,537438E+22	1,537452E+22	1,302015E+22	9,355491E+21	5,594826E+21	2,746018E+21	1,340060E+21	1,340019E+21	2,745918E+21	5,594785E+21
-996	9,355590E+21	1,302020E+22	1,537447E+22	1,537425E+22	1,301971E+22	9,355080E+21	5,594479E+21	2,745733E+21	1,339881E+21	1,339960E+21	2,745958E+21	5,594731E+21
-995	9,355231E+21	1,301966E+22	1,537408E+22	1,537443E+22	1,302025E+22	9,355565E+21	5,594799E+21	2,745866E+21	1,339823E+21	1,339735E+21	2,745594E+21	5,594425E+21
-994	9,355303E+21	1,302037E+22	1,537506E+22	1,537510E+22	1,302052E+22	9,355453E+21	5,594464E+21	2,745561E+21	1,339665E+21	1,339712E+21	2,745756E+21	5,594851E+21
-993	9,355839E+21	1,302066E+22	1,537495E+22	1,537450E+22	1,301995E+22	9,355266E+21	5,594450E+21	2,745507E+21	1,339575E+21	1,339612E+21	2,745584E+21	5,594496E+21
-992	9,355286E+21	1,302008E+22	1,537492E+22	1,537514E+22	1,302053E+22	9,355621E+21	5,594733E+21	2,745719E+21	1,339660E+21	1,339575E+21	2,745433E+21	5,594325E+21
-991	9,355441E+21	1,302068E+22	1,537539E+22	1,537532E+22	1,302045E+22	9,355287E+21	5,594370E+21	2,745528E+21	1,339666E+21	1,339750E+21	2,745795E+21	5,594729E+21
-990	9,355471E+21	1,302019E+22	1,537451E+22	1,537446E+22	1,302021E+22	9,355504E+21	5,594670E+21	2,745760E+21	1,339804E+21	1,339788E+21	2,745684E+21	5,594425E+21
-989	9,354956E+21	1,301966E+22	1,537451E+22	1,537480E+22	1,302045E+22	9,355678E+21	5,594852E+21	2,745946E+21	1,339971E+21	1,339936E+21	2,745841E+21	5,594734E+21
-988	9,355577E+21	1,302014E+22	1,537431E+22	1,537410E+22	1,301963E+22	9,355062E+21	5,594536E+21	2,745869E+21	1,340067E+21	1,340177E+21	2,746190E+21	5,594929E+21
-987	9,355313E+21	1,301945E+22	1,537337E+22	1,537346E+22	1,301954E+22	9,355329E+21	5,594977E+21	2,746284E+21	1,340319E+21	1,340252E+21	2,746045E+21	5,594578E+21
-986	9,354963E+21	1,301951E+22	1,537385E+22	1,537384E+22	1,301963E+22	9,355229E+21	5,594857E+21	2,746300E+21	1,340467E+21	1,340488E+21	2,746390E+21	5,595054E+21
-985	9,355447E+21	1,301968E+22	1,537353E+22	1,537304E+22	1,301883E+22	9,354792E+21	5,594732E+21	2,746322E+21	1,340567E+21	1,340649E+21	2,746549E+21	5,594979E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,354910E+21	1,301873E+22	1,537280E+22	1,537312E+22	1,301930E+22	9,355257E+21	5,595145E+21	2,746651E+21	1,340751E+21	1,340685E+21	2,746424E+21	5,594776E+21
-983	9,354931E+21	1,301917E+22	1,537324E+22	1,537328E+22	1,301926E+22	9,355037E+21	5,594866E+21	2,746486E+21	1,340750E+21	1,340828E+21	2,746763E+21	5,595297E+21
-982	9,355322E+21	1,301908E+22	1,537263E+22	1,537246E+22	1,301884E+22	9,355065E+21	5,595029E+21	2,746580E+21	1,340758E+21	1,340760E+21	2,746551E+21	5,594888E+21
-981	9,354779E+21	1,301862E+22	1,537273E+22	1,537304E+22	1,301932E+22	9,355381E+21	5,595253E+21	2,746702E+21	1,340763E+21	1,340668E+21	2,746404E+21	5,594866E+21
-980	9,355224E+21	1,301945E+22	1,537329E+22	1,537306E+22	1,301891E+22	9,354817E+21	5,594768E+21	2,746383E+21	1,340623E+21	1,340696E+21	2,746616E+21	5,595092E+21
-979	9,355107E+21	1,301902E+22	1,537282E+22	1,537286E+22	1,301909E+22	9,355132E+21	5,595021E+21	2,746479E+21	1,340556E+21	1,340486E+21	2,746240E+21	5,594625E+21
-978	9,354717E+21	1,301904E+22	1,537353E+22	1,537378E+22	1,301969E+22	9,355332E+21	5,594919E+21	2,746300E+21	1,340416E+21	1,340397E+21	2,746277E+21	5,594981E+21
-977	9,355487E+21	1,301981E+22	1,537382E+22	1,537352E+22	1,301919E+22	9,354886E+21	5,594555E+21	2,745981E+21	1,340193E+21	1,340286E+21	2,746265E+21	5,594934E+21
-976	9,355237E+21	1,301936E+22	1,537345E+22	1,537374E+22	1,301976E+22	9,355395E+21	5,594890E+21	2,746115E+21	1,340133E+21	1,340054E+21	2,745851E+21	5,594485E+21
-975	9,355124E+21	1,301996E+22	1,537441E+22	1,537437E+22	1,301999E+22	9,355304E+21	5,594640E+21	2,745903E+21	1,340034E+21	1,340064E+21	2,746033E+21	5,594909E+21
-974	9,355590E+21	1,302014E+22	1,537429E+22	1,537396E+22	1,301958E+22	9,355133E+21	5,594608E+21	2,745871E+21	1,339989E+21	1,340010E+21	2,745895E+21	5,594553E+21
-973	9,354984E+21	1,301941E+22	1,537404E+22	1,537445E+22	1,302018E+22	9,355574E+21	5,594944E+21	2,746110E+21	1,340097E+21	1,340005E+21	2,745810E+21	5,594487E+21
-972	9,355196E+21	1,301997E+22	1,537435E+22	1,537433E+22	1,301984E+22	9,355120E+21	5,594549E+21	2,745911E+21	1,340114E+21	1,340210E+21	2,746228E+21	5,594975E+21
-971	9,355326E+21	1,301954E+22	1,537351E+22	1,537347E+22	1,301949E+22	9,355252E+21	5,594841E+21	2,746144E+21	1,340243E+21	1,340238E+21	2,746093E+21	5,594648E+21
-970	9,354855E+21	1,301910E+22	1,537348E+22	1,537375E+22	1,301975E+22	9,355464E+21	5,595029E+21	2,746346E+21	1,340430E+21	1,340400E+21	2,746251E+21	5,594916E+21
-969	9,355444E+21	1,301976E+22	1,537358E+22	1,537314E+22	1,301886E+22	9,354754E+21	5,594657E+21	2,746244E+21	1,340512E+21	1,340624E+21	2,746579E+21	5,595105E+21
-968	9,355169E+21	1,301899E+22	1,537267E+22	1,537270E+22	1,301893E+22	9,355053E+21	5,595074E+21	2,746640E+21	1,340766E+21	1,340713E+21	2,746432E+21	5,594686E+21
-967	9,354668E+21	1,301886E+22	1,537299E+22	1,537305E+22	1,301911E+22	9,355049E+21	5,595022E+21	2,746705E+21	1,340937E+21	1,340958E+21	2,746808E+21	5,595245E+21
-966	9,355214E+21	1,301897E+22	1,537256E+22	1,537230E+22	1,301845E+22	9,354708E+21	5,594922E+21	2,746717E+21	1,341024E+21	1,341099E+21	2,746931E+21	5,595153E+21
-965	9,354738E+21	1,301810E+22	1,537180E+22	1,537225E+22	1,301885E+22	9,355229E+21	5,595406E+21	2,747058E+21	1,341182E+21	1,341096E+21	2,746774E+21	5,594947E+21
-964	9,354792E+21	1,301864E+22	1,537230E+22	1,537224E+22	1,301854E+22	9,354827E+21	5,595062E+21	2,746877E+21	1,341172E+21	1,341233E+21	2,747097E+21	5,595418E+21
-963	9,355131E+21	1,301859E+22	1,537187E+22	1,537162E+22	1,301814E+22	9,354789E+21	5,595180E+21	2,746941E+21	1,341157E+21	1,341149E+21	2,746862E+21	5,594959E+21
-962	9,354525E+21	1,301807E+22	1,537195E+22	1,537231E+22	1,301880E+22	9,355166E+21	5,595366E+21	2,747034E+21	1,341158E+21	1,341071E+21	2,746756E+21	5,594975E+21
-961	9,354967E+21	1,301896E+22	1,537261E+22	1,537237E+22	1,301842E+22	9,354590E+21	5,594817E+21	2,746645E+21	1,340966E+21	1,341057E+21	2,746961E+21	5,595295E+21
-960	9,355000E+21	1,301855E+22	1,537211E+22	1,537220E+22	1,301868E+22	9,354976E+21	5,595075E+21	2,746701E+21	1,340861E+21	1,340818E+21	2,746546E+21	5,594782E+21
-959	9,354593E+21	1,301857E+22	1,537277E+22	1,537304E+22	1,301923E+22	9,355200E+21	5,595065E+21	2,746592E+21	1,340741E+21	1,340718E+21	2,746564E+21	5,595147E+21
-958	9,355415E+21	1,301940E+22	1,537312E+22	1,537290E+22	1,301883E+22	9,354782E+21	5,594710E+21	2,746294E+21	1,340536E+21	1,340609E+21	2,746511E+21	5,595008E+21
-957	9,355100E+21	1,301898E+22	1,537281E+22	1,537308E+22	1,301935E+22	9,355321E+21	5,595098E+21	2,746469E+21	1,340505E+21	1,340403E+21	2,746131E+21	5,594562E+21
-956	9,354878E+21	1,301945E+22	1,537369E+22	1,537361E+22	1,301941E+22	9,355082E+21	5,594791E+21	2,746269E+21	1,340449E+21	1,340475E+21	2,746387E+21	5,595032E+21
-955	9,355322E+21	1,301952E+22	1,537348E+22	1,537323E+22	1,301905E+22	9,354919E+21	5,594741E+21	2,746223E+21	1,340411E+21	1,340447E+21	2,746290E+21	5,594737E+21
-954	9,354776E+21	1,301874E+22	1,537299E+22	1,537351E+22	1,301966E+22	9,355439E+21	5,595109E+21	2,746474E+21	1,340534E+21	1,340462E+21	2,746237E+21	5,594712E+21
-953	9,355059E+21	1,301947E+22	1,537344E+22	1,537333E+22	1,301915E+22	9,354883E+21	5,594680E+21	2,746256E+21	1,340526E+21	1,340631E+21	2,746616E+21	5,595218E+21
-952	9,355295E+21	1,301914E+22	1,537269E+22	1,537254E+22	1,301880E+22	9,354978E+21	5,594947E+21	2,746488E+21	1,340660E+21	1,340660E+21	2,746439E+21	5,594760E+21
-951	9,354647E+21	1,301860E+22	1,537269E+22	1,537286E+22	1,301907E+22	9,355205E+21	5,595206E+21	2,746765E+21	1,340893E+21	1,340847E+21	2,746621E+21	5,595041E+21
-950	9,355190E+21	1,301915E+22	1,537280E+22	1,537249E+22	1,301842E+22	9,354566E+21	5,594822E+21	2,746662E+21	1,340994E+21	1,341093E+21	2,746960E+21	5,595222E+21
-949	9,354893E+21	1,301834E+22	1,537175E+22	1,537193E+22	1,301852E+22	9,354987E+21	5,595295E+21	2,747058E+21	1,341239E+21	1,341179E+21	2,746844E+21	5,594875E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,354415E+21	1,301814E+22	1,537195E+22	1,537207E+22	1,301851E+22	9,354898E+21	5,595229E+21	2,747115E+21	1,341404E+21	1,341426E+21	2,747226E+21	5,595462E+21
-947	9,355054E+21	1,301834E+22	1,537160E+22	1,537137E+22	1,301781E+22	9,354515E+21	5,595115E+21	2,747106E+21	1,341462E+21	1,341537E+21	2,747305E+21	5,595321E+21
-946	9,354587E+21	1,301754E+22	1,537081E+22	1,537125E+22	1,301824E+22	9,355065E+21	5,595594E+21	2,747445E+21	1,341615E+21	1,341525E+21	2,747136E+21	5,595069E+21
-945	9,354582E+21	1,301821E+22	1,537160E+22	1,537137E+22	1,301787E+22	9,354555E+21	5,595174E+21	2,747212E+21	1,341564E+21	1,341625E+21	2,747434E+21	5,595560E+21
-944	9,354954E+21	1,301811E+22	1,537120E+22	1,537093E+22	1,301759E+22	9,354508E+21	5,595226E+21	2,747230E+21	1,341527E+21	1,341534E+21	2,747195E+21	5,595068E+21
-943	9,354263E+21	1,301747E+22	1,537114E+22	1,537157E+22	1,301833E+22	9,354983E+21	5,595474E+21	2,747342E+21	1,341525E+21	1,341447E+21	2,747111E+21	5,595184E+21
-942	9,354834E+21	1,301839E+22	1,537179E+22	1,537172E+22	1,301808E+22	9,354490E+21	5,594942E+21	2,746934E+21	1,341311E+21	1,341403E+21	2,747262E+21	5,595469E+21
-941	9,354947E+21	1,301815E+22	1,537135E+22	1,537146E+22	1,301827E+22	9,354917E+21	5,595255E+21	2,747005E+21	1,341189E+21	1,341134E+21	2,746818E+21	5,594932E+21
-940	9,354519E+21	1,301822E+22	1,537208E+22	1,537221E+22	1,301863E+22	9,354996E+21	5,595207E+21	2,746914E+21	1,341094E+21	1,341054E+21	2,746830E+21	5,595235E+21
-939	9,355257E+21	1,301901E+22	1,537255E+22	1,537226E+22	1,301828E+22	9,354556E+21	5,594844E+21	2,746620E+21	1,340904E+21	1,340968E+21	2,746787E+21	5,595053E+21
-938	9,354835E+21	1,301846E+22	1,537208E+22	1,537243E+22	1,301894E+22	9,355172E+21	5,595240E+21	2,746812E+21	1,340906E+21	1,340810E+21	2,746485E+21	5,594663E+21
-937	9,354584E+21	1,301889E+22	1,537295E+22	1,537288E+22	1,301893E+22	9,354907E+21	5,594899E+21	2,746580E+21	1,340830E+21	1,340873E+21	2,746759E+21	5,595230E+21
-936	9,355156E+21	1,301894E+22	1,537264E+22	1,537243E+22	1,301855E+22	9,354752E+21	5,594851E+21	2,746528E+21	1,340791E+21	1,340848E+21	2,746651E+21	5,594914E+21
-935	9,354613E+21	1,301817E+22	1,537205E+22	1,537255E+22	1,301906E+22	9,355267E+21	5,595296E+21	2,746852E+21	1,340951E+21	1,340875E+21	2,746606E+21	5,594918E+21
-934	9,354957E+21	1,301893E+22	1,537255E+22	1,537246E+22	1,301861E+22	9,354708E+21	5,594863E+21	2,746658E+21	1,340972E+21	1,341056E+21	2,746951E+21	5,595338E+21
-933	9,355128E+21	1,301866E+22	1,537191E+22	1,537170E+22	1,301823E+22	9,354807E+21	5,595156E+21	2,746917E+21	1,341131E+21	1,341113E+21	2,746820E+21	5,594903E+21
-932	9,354383E+21	1,301798E+22	1,537183E+22	1,537196E+22	1,301839E+22	9,354902E+21	5,595346E+21	2,747195E+21	1,341397E+21	1,341348E+21	2,747055E+21	5,595221E+21
-931	9,354920E+21	1,301842E+22	1,537184E+22	1,537163E+22	1,301784E+22	9,354357E+21	5,594981E+21	2,747068E+21	1,341486E+21	1,341597E+21	2,747409E+21	5,595432E+21
-930	9,354679E+21	1,301763E+22	1,537067E+22	1,537093E+22	1,301798E+22	9,354872E+21	5,595497E+21	2,747464E+21	1,341717E+21	1,341673E+21	2,747293E+21	5,595097E+21
-929	9,354263E+21	1,301760E+22	1,537102E+22	1,537103E+22	1,301783E+22	9,354684E+21	5,595390E+21	2,747485E+21	1,341832E+21	1,341857E+21	2,747602E+21	5,595657E+21
-928	9,354959E+21	1,301789E+22	1,537078E+22	1,537045E+22	1,301718E+22	9,354277E+21	5,595232E+21	2,747450E+21	1,341869E+21	1,341942E+21	2,747625E+21	5,595399E+21
-927	9,354342E+21	1,301701E+22	1,537003E+22	1,537039E+22	1,301762E+22	9,354837E+21	5,595749E+21	2,747820E+21	1,342030E+21	1,341929E+21	2,747474E+21	5,595185E+21
-926	9,354330E+21	1,301756E+22	1,537081E+22	1,537075E+22	1,301748E+22	9,354385E+21	5,595299E+21	2,747557E+21	1,341964E+21	1,342013E+21	2,747755E+21	5,595675E+21
-925	9,354739E+21	1,301753E+22	1,537041E+22	1,537024E+22	1,301722E+22	9,354436E+21	5,595387E+21	2,747551E+21	1,341892E+21	1,341899E+21	2,747537E+21	5,595266E+21
-924	9,354112E+21	1,301691E+22	1,537032E+22	1,537073E+22	1,301776E+22	9,354797E+21	5,595604E+21	2,747653E+21	1,341883E+21	1,341805E+21	2,747436E+21	5,595382E+21
-923	9,354777E+21	1,301796E+22	1,537107E+22	1,537096E+22	1,301756E+22	9,354333E+21	5,595090E+21	2,747235E+21	1,341652E+21	1,341742E+21	2,747545E+21	5,595592E+21
-922	9,354863E+21	1,301781E+22	1,537068E+22	1,537069E+22	1,301780E+22	9,354790E+21	5,595408E+21	2,747320E+21	1,341545E+21	1,341487E+21	2,747104E+21	5,595000E+21
-921	9,354339E+21	1,301790E+22	1,537158E+22	1,537154E+22	1,301809E+22	9,354771E+21	5,595303E+21	2,747210E+21	1,341442E+21	1,341401E+21	2,747116E+21	5,595321E+21
-920	9,355049E+21	1,301854E+22	1,537196E+22	1,537171E+22	1,301788E+22	9,354341E+21	5,594894E+21	2,746903E+21	1,341266E+21	1,341339E+21	2,747100E+21	5,595138E+21
-919	9,354541E+21	1,301779E+22	1,537124E+22	1,537166E+22	1,301851E+22	9,355049E+21	5,595386E+21	2,747146E+21	1,341296E+21	1,341208E+21	2,746858E+21	5,594875E+21
-918	9,354413E+21	1,301818E+22	1,537201E+22	1,537212E+22	1,301854E+22	9,354821E+21	5,595076E+21	2,746929E+21	1,341228E+21	1,341266E+21	2,747099E+21	5,595412E+21
-917	9,355065E+21	1,301844E+22	1,537174E+22	1,537150E+22	1,301799E+22	9,354637E+21	5,595063E+21	2,746908E+21	1,341199E+21	1,341245E+21	2,747001E+21	5,595094E+21
-916	9,354476E+21	1,301766E+22	1,537119E+22	1,537152E+22	1,301828E+22	9,354971E+21	5,595449E+21	2,747255E+21	1,341405E+21	1,341315E+21	2,746967E+21	5,595060E+21
-915	9,354779E+21	1,301841E+22	1,537180E+22	1,537161E+22	1,301793E+22	9,354430E+21	5,595006E+21	2,747056E+21	1,341443E+21	1,341528E+21	2,747339E+21	5,595455E+21
-914	9,354872E+21	1,301803E+22	1,537102E+22	1,537085E+22	1,301770E+22	9,354610E+21	5,595299E+21	2,747318E+21	1,341620E+21	1,341616E+21	2,747263E+21	5,595068E+21
-913	9,354134E+21	1,301737E+22	1,537094E+22	1,537107E+22	1,301782E+22	9,354708E+21	5,595470E+21	2,747556E+21	1,341847E+21	1,341818E+21	2,747487E+21	5,595458E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,354779E+21	1,301782E+22	1,537092E+22	1,537074E+22	1,301730E+22	9,354177E+21	5,595112E+21	2,747424E+21	1,341919E+21	1,342041E+21	2,747794E+21	5,595604E+21
-911	9,354496E+21	1,301700E+22	1,536969E+22	1,536993E+22	1,301737E+22	9,354731E+21	5,595718E+21	2,747874E+21	1,342160E+21	1,342108E+21	2,747672E+21	5,595283E+21
-910	9,354106E+21	1,301699E+22	1,537013E+22	1,537019E+22	1,301729E+22	9,354539E+21	5,595599E+21	2,747894E+21	1,342274E+21	1,342275E+21	2,747924E+21	5,595737E+21
-909	9,354734E+21	1,301736E+22	1,537001E+22	1,536963E+22	1,301661E+22	9,354119E+21	5,595439E+21	2,747854E+21	1,342304E+21	1,342362E+21	2,747987E+21	5,595528E+21
-908	9,354065E+21	1,301636E+22	1,536917E+22	1,536951E+22	1,301698E+22	9,354555E+21	5,595861E+21	2,748193E+21	1,342471E+21	1,342368E+21	2,747864E+21	5,595373E+21
-907	9,354145E+21	1,301693E+22	1,536992E+22	1,536990E+22	1,301694E+22	9,354208E+21	5,595422E+21	2,747883E+21	1,342368E+21	1,342430E+21	2,748130E+21	5,595875E+21
-906	9,354633E+21	1,301700E+22	1,536953E+22	1,536938E+22	1,301673E+22	9,354307E+21	5,595532E+21	2,747869E+21	1,342270E+21	1,342288E+21	2,747886E+21	5,595449E+21
-905	9,354069E+21	1,301660E+22	1,536967E+22	1,536993E+22	1,301717E+22	9,354574E+21	5,595697E+21	2,747931E+21	1,342214E+21	1,342137E+21	2,747717E+21	5,595517E+21
-904	9,354714E+21	1,301766E+22	1,537055E+22	1,537032E+22	1,301708E+22	9,354124E+21	5,595163E+21	2,747510E+21	1,341981E+21	1,342062E+21	2,747780E+21	5,595603E+21
-903	9,354608E+21	1,301736E+22	1,537013E+22	1,537010E+22	1,301737E+22	9,354643E+21	5,595548E+21	2,747637E+21	1,341900E+21	1,341835E+21	2,747395E+21	5,595082E+21
-902	9,354067E+21	1,301724E+22	1,537086E+22	1,537104E+22	1,301782E+22	9,354692E+21	5,595445E+21	2,747526E+21	1,341808E+21	1,341760E+21	2,747408E+21	5,595394E+21
-901	9,354786E+21	1,301792E+22	1,537115E+22	1,537101E+22	1,301754E+22	9,354328E+21	5,595089E+21	2,747230E+21	1,341631E+21	1,341709E+21	2,747450E+21	5,595330E+21
-900	9,354363E+21	1,301716E+22	1,537031E+22	1,537071E+22	1,301788E+22	9,354847E+21	5,595536E+21	2,747494E+21	1,341693E+21	1,341607E+21	2,747221E+21	5,595094E+21
-899	9,354348E+21	1,301765E+22	1,537108E+22	1,537112E+22	1,301788E+22	9,354631E+21	5,595245E+21	2,747288E+21	1,341640E+21	1,341678E+21	2,747448E+21	5,595569E+21
-898	9,354970E+21	1,301799E+22	1,537092E+22	1,537054E+22	1,301734E+22	9,354427E+21	5,595223E+21	2,747291E+21	1,341642E+21	1,341690E+21	2,747380E+21	5,595228E+21
-897	9,354319E+21	1,301726E+22	1,537053E+22	1,537068E+22	1,301757E+22	9,354637E+21	5,595528E+21	2,747608E+21	1,341843E+21	1,341764E+21	2,747359E+21	5,595221E+21
-896	9,354584E+21	1,301786E+22	1,537105E+22	1,537088E+22	1,301742E+22	9,354168E+21	5,595069E+21	2,747403E+21	1,341890E+21	1,341988E+21	2,747737E+21	5,595602E+21
-895	9,354606E+21	1,301734E+22	1,537009E+22	1,536997E+22	1,301719E+22	9,354484E+21	5,595473E+21	2,747705E+21	1,342079E+21	1,342088E+21	2,747697E+21	5,595307E+21
-894	9,353970E+21	1,301663E+22	1,536993E+22	1,537022E+22	1,301736E+22	9,354629E+21	5,595693E+21	2,747961E+21	1,342300E+21	1,342261E+21	2,747851E+21	5,595606E+21
-893	9,354628E+21	1,301726E+22	1,536999E+22	1,536979E+22	1,301674E+22	9,354093E+21	5,595374E+21	2,747855E+21	1,342370E+21	1,342473E+21	2,748159E+21	5,595747E+21
-892	9,354272E+21	1,301640E+22	1,536879E+22	1,536889E+22	1,301660E+22	9,354461E+21	5,595911E+21	2,748314E+21	1,342639E+21	1,342565E+21	2,748042E+21	5,595405E+21
-891	9,353871E+21	1,301635E+22	1,536925E+22	1,536929E+22	1,301664E+22	9,354313E+21	5,595771E+21	2,748302E+21	1,342744E+21	1,342741E+21	2,748310E+21	5,595847E+21
-890	9,354462E+21	1,301670E+22	1,536909E+22	1,536877E+22	1,301608E+22	9,353941E+21	5,595582E+21	2,748230E+21	1,342754E+21	1,342825E+21	2,748404E+21	5,595707E+21
-889	9,353886E+21	1,301582E+22	1,536835E+22	1,536866E+22	1,301639E+22	9,354323E+21	5,595938E+21	2,748489E+21	1,342852E+21	1,342770E+21	2,748245E+21	5,595612E+21
-888	9,354101E+21	1,301649E+22	1,536918E+22	1,536916E+22	1,301644E+22	9,354005E+21	5,595492E+21	2,748160E+21	1,342714E+21	1,342783E+21	2,748435E+21	5,596021E+21
-887	9,354537E+21	1,301658E+22	1,536882E+22	1,536862E+22	1,301625E+22	9,354181E+21	5,595683E+21	2,748176E+21	1,342612E+21	1,342624E+21	2,748174E+21	5,595581E+21
-886	9,353957E+21	1,301616E+22	1,536908E+22	1,536938E+22	1,301680E+22	9,354473E+21	5,595859E+21	2,748245E+21	1,342556E+21	1,342457E+21	2,747950E+21	5,595531E+21
-885	9,354490E+21	1,301724E+22	1,537000E+22	1,536977E+22	1,301670E+22	9,354030E+21	5,595337E+21	2,747838E+21	1,342332E+21	1,342403E+21	2,748071E+21	5,595672E+21
-884	9,354288E+21	1,301669E+22	1,536935E+22	1,536937E+22	1,301686E+22	9,354452E+21	5,595667E+21	2,747967E+21	1,342286E+21	1,342223E+21	2,747745E+21	5,595250E+21
-883	9,353878E+21	1,301657E+22	1,536992E+22	1,537019E+22	1,301734E+22	9,354595E+21	5,595597E+21	2,747840E+21	1,342191E+21	1,342159E+21	2,747772E+21	5,595579E+21
-882	9,354666E+21	1,301735E+22	1,537020E+22	1,537005E+22	1,301697E+22	9,354193E+21	5,595257E+21	2,747567E+21	1,342022E+21	1,342111E+21	2,747814E+21	5,595522E+21
-881	9,354338E+21	1,301682E+22	1,536955E+22	1,536976E+22	1,301714E+22	9,354551E+21	5,595619E+21	2,747802E+21	1,342068E+21	1,341988E+21	2,747553E+21	5,595263E+21
-880	9,354303E+21	1,301733E+22	1,537046E+22	1,537034E+22	1,301723E+22	9,354313E+21	5,595304E+21	2,747612E+21	1,342036E+21	1,342068E+21	2,747755E+21	5,595634E+21
-879	9,354730E+21	1,301749E+22	1,537025E+22	1,536984E+22	1,301681E+22	9,354207E+21	5,595351E+21	2,747655E+21	1,342071E+21	1,342121E+21	2,747755E+21	5,595368E+21
-878	9,354061E+21	1,301657E+22	1,536975E+22	1,537009E+22	1,301721E+22	9,354528E+21	5,595687E+21	2,747978E+21	1,342280E+21	1,342200E+21	2,747725E+21	5,595338E+21
-877	9,354325E+21	1,301721E+22	1,537017E+22	1,537010E+22	1,301700E+22	9,354149E+21	5,595314E+21	2,747804E+21	1,342332E+21	1,342432E+21	2,748143E+21	5,595792E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,354369E+21	1,301661E+22	1,536906E+22	1,536896E+22	1,301654E+22	9,354323E+21	5,595703E+21	2,748143E+21	1,342560E+21	1,342561E+21	2,748109E+21	5,595515E+21
-875	9,353841E+21	1,301598E+22	1,536885E+22	1,536913E+22	1,301670E+22	9,354500E+21	5,595936E+21	2,748404E+21	1,342791E+21	1,342742E+21	2,748247E+21	5,595731E+21
-874	9,354410E+21	1,301667E+22	1,536904E+22	1,536875E+22	1,301604E+22	9,353897E+21	5,595595E+21	2,748309E+21	1,342874E+21	1,342969E+21	2,748573E+21	5,595884E+21
-873	9,354060E+21	1,301586E+22	1,536797E+22	1,536796E+22	1,301583E+22	9,354098E+21	5,595998E+21	2,748695E+21	1,343106E+21	1,343043E+21	2,748470E+21	5,595605E+21
-872	9,353683E+21	1,301573E+22	1,536838E+22	1,536847E+22	1,301605E+22	9,354015E+21	5,595819E+21	2,748638E+21	1,343178E+21	1,343187E+21	2,748713E+21	5,596034E+21
-871	9,354268E+21	1,301607E+22	1,536818E+22	1,536792E+22	1,301556E+22	9,353791E+21	5,595717E+21	2,748559E+21	1,343154E+21	1,343241E+21	2,748805E+21	5,595966E+21
-870	9,353825E+21	1,301528E+22	1,536754E+22	1,536793E+22	1,301594E+22	9,354204E+21	5,596090E+21	2,748801E+21	1,343211E+21	1,343123E+21	2,748534E+21	5,595734E+21
-869	9,354019E+21	1,301614E+22	1,536852E+22	1,536843E+22	1,301599E+22	9,353935E+21	5,595694E+21	2,748490E+21	1,343058E+21	1,343111E+21	2,748705E+21	5,596097E+21
-868	9,354327E+21	1,301613E+22	1,536820E+22	1,536792E+22	1,301567E+22	9,353970E+21	5,595824E+21	2,748515E+21	1,342985E+21	1,342977E+21	2,748447E+21	5,595642E+21
-867	9,353729E+21	1,301561E+22	1,536834E+22	1,536870E+22	1,301636E+22	9,354353E+21	5,596008E+21	2,748570E+21	1,342933E+21	1,342831E+21	2,748252E+21	5,595577E+21
-866	9,354180E+21	1,301660E+22	1,536917E+22	1,536907E+22	1,301631E+22	9,353948E+21	5,595494E+21	2,748160E+21	1,342709E+21	1,342788E+21	2,748414E+21	5,595813E+21
-865	9,354119E+21	1,301618E+22	1,536854E+22	1,536856E+22	1,301628E+22	9,354234E+21	5,595753E+21	2,748239E+21	1,342626E+21	1,342584E+21	2,748093E+21	5,595474E+21
-864	9,353838E+21	1,301613E+22	1,536911E+22	1,536937E+22	1,301677E+22	9,354362E+21	5,595677E+21	2,748122E+21	1,342530E+21	1,342503E+21	2,748075E+21	5,595725E+21
-863	9,354573E+21	1,301695E+22	1,536945E+22	1,536921E+22	1,301640E+22	9,354016E+21	5,595400E+21	2,747889E+21	1,342386E+21	1,342475E+21	2,748137E+21	5,595681E+21
-862	9,354229E+21	1,301640E+22	1,536894E+22	1,536913E+22	1,301663E+22	9,354354E+21	5,595750E+21	2,748136E+21	1,342453E+21	1,342362E+21	2,747845E+21	5,595322E+21
-861	9,354083E+21	1,301688E+22	1,536985E+22	1,536975E+22	1,301679E+22	9,354164E+21	5,595469E+21	2,747980E+21	1,342451E+21	1,342482E+21	2,748121E+21	5,595753E+21
-860	9,354412E+21	1,301677E+22	1,536937E+22	1,536907E+22	1,301628E+22	9,354012E+21	5,595498E+21	2,748047E+21	1,342536E+21	1,342588E+21	2,748173E+21	5,595574E+21
-859	9,353866E+21	1,301585E+22	1,536867E+22	1,536911E+22	1,301669E+22	9,354467E+21	5,595914E+21	2,748386E+21	1,342756E+21	1,342685E+21	2,748152E+21	5,595523E+21
-858	9,354126E+21	1,301654E+22	1,536909E+22	1,536904E+22	1,301638E+22	9,354043E+21	5,595574E+21	2,748251E+21	1,342823E+21	1,342919E+21	2,748558E+21	5,595972E+21
-857	9,354244E+21	1,301610E+22	1,536811E+22	1,536789E+22	1,301573E+22	9,354027E+21	5,595862E+21	2,748555E+21	1,343034E+21	1,343034E+21	2,748516E+21	5,595698E+21
-856	9,353705E+21	1,301548E+22	1,536799E+22	1,536819E+22	1,301597E+22	9,354170E+21	5,596045E+21	2,748801E+21	1,343261E+21	1,343206E+21	2,748632E+21	5,595842E+21
-855	9,354124E+21	1,301602E+22	1,536814E+22	1,536788E+22	1,301542E+22	9,353658E+21	5,595733E+21	2,748700E+21	1,343338E+21	1,343440E+21	2,749002E+21	5,596083E+21
-854	9,353828E+21	1,301517E+22	1,536709E+22	1,536724E+22	1,301536E+22	9,353929E+21	5,596122E+21	2,749040E+21	1,343529E+21	1,343470E+21	2,748848E+21	5,595782E+21
-853	9,353525E+21	1,301520E+22	1,536756E+22	1,536768E+22	1,301557E+22	9,353907E+21	5,596001E+21	2,748982E+21	1,343566E+21	1,343582E+21	2,749082E+21	5,596229E+21
-852	9,354108E+21	1,301549E+22	1,536730E+22	1,536704E+22	1,301497E+22	9,353607E+21	5,595886E+21	2,748920E+21	1,343553E+21	1,343628E+21	2,749134E+21	5,596136E+21
-851	9,353750E+21	1,301485E+22	1,536672E+22	1,536708E+22	1,301543E+22	9,354120E+21	5,596287E+21	2,749153E+21	1,343602E+21	1,343501E+21	2,748829E+21	5,595791E+21
-850	9,353795E+21	1,301570E+22	1,536784E+22	1,536768E+22	1,301547E+22	9,353806E+21	5,595895E+21	2,748860E+21	1,343458E+21	1,343495E+21	2,749002E+21	5,596150E+21
-849	9,354091E+21	1,301565E+22	1,536754E+22	1,536725E+22	1,301512E+22	9,353700E+21	5,595899E+21	2,748818E+21	1,343356E+21	1,343355E+21	2,748782E+21	5,595782E+21
-848	9,353538E+21	1,301506E+22	1,536754E+22	1,536801E+22	1,301591E+22	9,354129E+21	5,596057E+21	2,748845E+21	1,343284E+21	1,343193E+21	2,748581E+21	5,595723E+21
-847	9,353969E+21	1,301600E+22	1,536829E+22	1,536827E+22	1,301584E+22	9,353822E+21	5,595626E+21	2,748449E+21	1,343051E+21	1,343144E+21	2,748759E+21	5,596038E+21
-846	9,354047E+21	1,301570E+22	1,536780E+22	1,536785E+22	1,301579E+22	9,354071E+21	5,595881E+21	2,748528E+21	1,342958E+21	1,342910E+21	2,748366E+21	5,595598E+21
-845	9,353767E+21	1,301583E+22	1,536851E+22	1,536865E+22	1,301624E+22	9,354202E+21	5,595843E+21	2,748448E+21	1,342881E+21	1,342845E+21	2,748366E+21	5,595813E+21
-844	9,354348E+21	1,301648E+22	1,536880E+22	1,536850E+22	1,301580E+22	9,353772E+21	5,595536E+21	2,748252E+21	1,342797E+21	1,342873E+21	2,748462E+21	5,595790E+21
-843	9,354012E+21	1,301584E+22	1,536814E+22	1,536840E+22	1,301620E+22	9,354239E+21	5,595906E+21	2,748499E+21	1,342890E+21	1,342804E+21	2,748217E+21	5,595422E+21
-842	9,353774E+21	1,301621E+22	1,536895E+22	1,536895E+22	1,301636E+22	9,354096E+21	5,595679E+21	2,748375E+21	1,342908E+21	1,342944E+21	2,748525E+21	5,595936E+21
-841	9,354238E+21	1,301616E+22	1,536841E+22	1,536815E+22	1,301566E+22	9,353800E+21	5,595647E+21	2,748414E+21	1,342978E+21	1,343046E+21	2,748597E+21	5,595826E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-840	9,353784E+21	1,301529E+22	1,536765E+22	1,536812E+22	1,301605E+22	9,354232E+21	5,596070E+21	2,748777E+21	1,343203E+21	1,343129E+21	2,748537E+21	5,595689E+21
-839	9,353939E+21	1,301597E+22	1,536814E+22	1,536804E+22	1,301571E+22	9,353858E+21	5,595782E+21	2,748671E+21	1,343288E+21	1,343380E+21	2,748962E+21	5,596154E+21
-838	9,354053E+21	1,301554E+22	1,536733E+22	1,536706E+22	1,301506E+22	9,353763E+21	5,596023E+21	2,748961E+21	1,343497E+21	1,343488E+21	2,748890E+21	5,595810E+21
-837	9,353450E+21	1,301491E+22	1,536718E+22	1,536738E+22	1,301539E+22	9,353949E+21	5,596206E+21	2,749200E+21	1,343720E+21	1,343671E+21	2,749055E+21	5,596014E+21
-836	9,353823E+21	1,301527E+22	1,536714E+22	1,536696E+22	1,301482E+22	9,353431E+21	5,595867E+21	2,749090E+21	1,343806E+21	1,343913E+21	2,749431E+21	5,596331E+21
-835	9,353710E+21	1,301454E+22	1,536604E+22	1,536624E+22	1,301482E+22	9,353829E+21	5,596304E+21	2,749410E+21	1,343970E+21	1,343918E+21	2,749234E+21	5,595962E+21
-834	9,353392E+21	1,301469E+22	1,536667E+22	1,536676E+22	1,301500E+22	9,353788E+21	5,596223E+21	2,749377E+21	1,343995E+21	1,343995E+21	2,749412E+21	5,596368E+21
-833	9,354018E+21	1,301511E+22	1,536659E+22	1,536622E+22	1,301431E+22	9,353333E+21	5,596005E+21	2,749263E+21	1,343948E+21	1,344014E+21	2,749444E+21	5,596239E+21
-832	9,353583E+21	1,301443E+22	1,536608E+22	1,536641E+22	1,301489E+22	9,353853E+21	5,596379E+21	2,749479E+21	1,343978E+21	1,343868E+21	2,749121E+21	5,595829E+21
-831	9,353456E+21	1,301509E+22	1,536711E+22	1,536705E+22	1,301507E+22	9,353671E+21	5,596025E+21	2,749173E+21	1,343823E+21	1,343866E+21	2,749337E+21	5,596282E+21
-830	9,353821E+21	1,301501E+22	1,536680E+22	1,536665E+22	1,301476E+22	9,353590E+21	5,596016E+21	2,749093E+21	1,343686E+21	1,343693E+21	2,749085E+21	5,595927E+21
-829	9,353393E+21	1,301458E+22	1,536678E+22	1,536728E+22	1,301549E+22	9,354039E+21	5,596216E+21	2,749129E+21	1,343602E+21	1,343523E+21	2,748899E+21	5,595903E+21
-828	9,353835E+21	1,301547E+22	1,536744E+22	1,536743E+22	1,301528E+22	9,353639E+21	5,595768E+21	2,748771E+21	1,343407E+21	1,343491E+21	2,749061E+21	5,596218E+21
-827	9,354010E+21	1,301533E+22	1,536703E+22	1,536700E+22	1,301527E+22	9,353945E+21	5,596036E+21	2,748859E+21	1,343338E+21	1,343284E+21	2,748668E+21	5,595686E+21
-826	9,353578E+21	1,301543E+22	1,536790E+22	1,536794E+22	1,301570E+22	9,354012E+21	5,596010E+21	2,748822E+21	1,343298E+21	1,343250E+21	2,748694E+21	5,595920E+21
-825	9,354146E+21	1,301598E+22	1,536809E+22	1,536781E+22	1,301525E+22	9,353486E+21	5,595607E+21	2,748582E+21	1,343212E+21	1,343301E+21	2,748850E+21	5,595982E+21
-824	9,353846E+21	1,301528E+22	1,536727E+22	1,536763E+22	1,301571E+22	9,354026E+21	5,596003E+21	2,748831E+21	1,343303E+21	1,343234E+21	2,748611E+21	5,595614E+21
-823	9,353566E+21	1,301555E+22	1,536795E+22	1,536802E+22	1,301582E+22	9,353985E+21	5,595876E+21	2,748746E+21	1,343333E+21	1,343379E+21	2,748922E+21	5,596153E+21
-822	9,354099E+21	1,301560E+22	1,536754E+22	1,536728E+22	1,301507E+22	9,353629E+21	5,595836E+21	2,748799E+21	1,343406E+21	1,343463E+21	2,748939E+21	5,595960E+21
-821	9,353643E+21	1,301487E+22	1,536687E+22	1,536721E+22	1,301540E+22	9,354028E+21	5,596270E+21	2,749187E+21	1,343651E+21	1,343569E+21	2,748906E+21	5,595796E+21
-820	9,353621E+21	1,301528E+22	1,536722E+22	1,536711E+22	1,301502E+22	9,353573E+21	5,595948E+21	2,749112E+21	1,343784E+21	1,343860E+21	2,749361E+21	5,596304E+21
-819	9,353797E+21	1,301484E+22	1,536631E+22	1,536613E+22	1,301453E+22	9,353604E+21	5,596188E+21	2,749376E+21	1,343993E+21	1,343988E+21	2,749321E+21	5,595966E+21
-818	9,353164E+21	1,301421E+22	1,536620E+22	1,536645E+22	1,301482E+22	9,353800E+21	5,596407E+21	2,749621E+21	1,344204E+21	1,344154E+21	2,749476E+21	5,596234E+21
-817	9,353692E+21	1,301468E+22	1,536618E+22	1,536600E+22	1,301416E+22	9,353181E+21	5,596003E+21	2,749459E+21	1,344247E+21	1,344364E+21	2,749837E+21	5,596569E+21
-816	9,353662E+21	1,301409E+22	1,536517E+22	1,536533E+22	1,301422E+22	9,353591E+21	5,596435E+21	2,749769E+21	1,344383E+21	1,344327E+21	2,749576E+21	5,596090E+21
-815	9,353211E+21	1,301421E+22	1,536590E+22	1,536593E+22	1,301445E+22	9,353637E+21	5,596405E+21	2,749745E+21	1,344402E+21	1,344394E+21	2,749742E+21	5,596475E+21
-814	9,353781E+21	1,301460E+22	1,536599E+22	1,536563E+22	1,301385E+22	9,353139E+21	5,596138E+21	2,749600E+21	1,344332E+21	1,344388E+21	2,749745E+21	5,596308E+21
-813	9,353318E+21	1,301390E+22	1,536539E+22	1,536578E+22	1,301450E+22	9,353709E+21	5,596507E+21	2,749792E+21	1,344345E+21	1,344246E+21	2,749471E+21	5,595966E+21
-812	9,353149E+21	1,301433E+22	1,536617E+22	1,536625E+22	1,301461E+22	9,353533E+21	5,596158E+21	2,749491E+21	1,344197E+21	1,344245E+21	2,749687E+21	5,596500E+21
-811	9,353732E+21	1,301446E+22	1,536583E+22	1,536572E+22	1,301429E+22	9,353518E+21	5,596177E+21	2,749402E+21	1,344046E+21	1,344060E+21	2,749408E+21	5,596092E+21
-810	9,353306E+21	1,301418E+22	1,536603E+22	1,536641E+22	1,301491E+22	9,353885E+21	5,596394E+21	2,749471E+21	1,343971E+21	1,343877E+21	2,749185E+21	5,596049E+21
-809	9,353804E+21	1,301517E+22	1,536683E+22	1,536665E+22	1,301463E+22	9,353336E+21	5,595845E+21	2,749076E+21	1,343772E+21	1,343853E+21	2,749361E+21	5,596345E+21
-808	9,353907E+21	1,301498E+22	1,536645E+22	1,536636E+22	1,301475E+22	9,353652E+21	5,596093E+21	2,749160E+21	1,343704E+21	1,343652E+21	2,748973E+21	5,595764E+21
-807	9,353306E+21	1,301487E+22	1,536720E+22	1,536733E+22	1,301533E+22	9,353883E+21	5,596131E+21	2,749137E+21	1,343678E+21	1,343642E+21	2,749045E+21	5,596073E+21
-806	9,353909E+21	1,301538E+22	1,536738E+22	1,536718E+22	1,301487E+22	9,353368E+21	5,595744E+21	2,748895E+21	1,343585E+21	1,343679E+21	2,749179E+21	5,596130E+21
-805	9,353678E+21	1,301475E+22	1,536646E+22	1,536681E+22	1,301524E+22	9,353932E+21	5,596206E+21	2,749186E+21	1,343695E+21	1,343633E+21	2,748973E+21	5,595775E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,353337E+21	1,301488E+22	1,536696E+22	1,536704E+22	1,301522E+22	9,353826E+21	5,596090E+21	2,749163E+21	1,343784E+21	1,343814E+21	2,749282E+21	5,596311E+21
-803	9,353946E+21	1,301506E+22	1,536657E+22	1,536623E+22	1,301445E+22	9,353489E+21	5,596054E+21	2,749236E+21	1,343893E+21	1,343938E+21	2,749322E+21	5,596061E+21
-802	9,353361E+21	1,301426E+22	1,536601E+22	1,536627E+22	1,301472E+22	9,353789E+21	5,596473E+21	2,749650E+21	1,344167E+21	1,344070E+21	2,749322E+21	5,595967E+21
-801	9,353402E+21	1,301459E+22	1,536625E+22	1,536617E+22	1,301433E+22	9,353235E+21	5,596033E+21	2,749508E+21	1,344281E+21	1,344372E+21	2,749827E+21	5,596559E+21
-800	9,353652E+21	1,301420E+22	1,536531E+22	1,536516E+22	1,301389E+22	9,353323E+21	5,596286E+21	2,749745E+21	1,344453E+21	1,344467E+21	2,749760E+21	5,596202E+21
-799	9,353014E+21	1,301359E+22	1,536522E+22	1,536548E+22	1,301423E+22	9,353635E+21	5,596579E+21	2,749997E+21	1,344644E+21	1,344605E+21	2,749883E+21	5,596455E+21
-798	9,353579E+21	1,301420E+22	1,536543E+22	1,536519E+22	1,301359E+22	9,352998E+21	5,596169E+21	2,749825E+21	1,344660E+21	1,344764E+21	2,750157E+21	5,596677E+21
-797	9,353509E+21	1,301371E+22	1,536454E+22	1,536459E+22	1,301369E+22	9,353434E+21	5,596614E+21	2,750132E+21	1,344786E+21	1,344727E+21	2,749906E+21	5,596158E+21
-796	9,352876E+21	1,301352E+22	1,536509E+22	1,536520E+22	1,301395E+22	9,353462E+21	5,596569E+21	2,750124E+21	1,344825E+21	1,344803E+21	2,750077E+21	5,596576E+21
-795	9,353518E+21	1,301394E+22	1,536505E+22	1,536484E+22	1,301348E+22	9,353087E+21	5,596302E+21	2,749945E+21	1,344738E+21	1,344796E+21	2,750097E+21	5,596434E+21
-794	9,353066E+21	1,301327E+22	1,536452E+22	1,536493E+22	1,301401E+22	9,353611E+21	5,596693E+21	2,750136E+21	1,344728E+21	1,344626E+21	2,749810E+21	5,596178E+21
-793	9,353089E+21	1,301380E+22	1,536528E+22	1,536534E+22	1,301399E+22	9,353295E+21	5,596258E+21	2,749787E+21	1,344548E+21	1,344603E+21	2,750015E+21	5,596718E+21
-792	9,353757E+21	1,301414E+22	1,536513E+22	1,536490E+22	1,301369E+22	9,353258E+21	5,596263E+21	2,749690E+21	1,344380E+21	1,344395E+21	2,749696E+21	5,596218E+21
-791	9,353209E+21	1,301385E+22	1,536546E+22	1,536569E+22	1,301436E+22	9,353676E+21	5,596506E+21	2,749773E+21	1,344321E+21	1,344225E+21	2,749477E+21	5,596144E+21
-790	9,353605E+21	1,301477E+22	1,536639E+22	1,536615E+22	1,301420E+22	9,353121E+21	5,595930E+21	2,749372E+21	1,344123E+21	1,344200E+21	2,749642E+21	5,596414E+21
-789	9,353686E+21	1,301452E+22	1,536588E+22	1,536582E+22	1,301441E+22	9,353520E+21	5,596192E+21	2,749450E+21	1,344065E+21	1,344031E+21	2,749318E+21	5,595892E+21
-788	9,353013E+21	1,301411E+22	1,536624E+22	1,536652E+22	1,301490E+22	9,353789E+21	5,596302E+21	2,749485E+21	1,344081E+21	1,344044E+21	2,749396E+21	5,596248E+21
-787	9,353764E+21	1,301476E+22	1,536635E+22	1,536622E+22	1,301441E+22	9,353335E+21	5,595966E+21	2,749280E+21	1,344014E+21	1,344102E+21	2,749529E+21	5,596262E+21
-786	9,353494E+21	1,301421E+22	1,536559E+22	1,536582E+22	1,301458E+22	9,353775E+21	5,596448E+21	2,749627E+21	1,344163E+21	1,344076E+21	2,749326E+21	5,595923E+21
-785	9,353187E+21	1,301431E+22	1,536607E+22	1,536605E+22	1,301446E+22	9,353509E+21	5,596227E+21	2,749576E+21	1,344264E+21	1,344290E+21	2,749681E+21	5,596466E+21
-784	9,353752E+21	1,301448E+22	1,536571E+22	1,536533E+22	1,301377E+22	9,353155E+21	5,596154E+21	2,749631E+21	1,344370E+21	1,344426E+21	2,749752E+21	5,596223E+21
-783	9,353087E+21	1,301356E+22	1,536507E+22	1,536537E+22	1,301415E+22	9,353576E+21	5,596595E+21	2,750027E+21	1,344637E+21	1,344562E+21	2,749778E+21	5,596203E+21
-782	9,353208E+21	1,301395E+22	1,536540E+22	1,536533E+22	1,301377E+22	9,353046E+21	5,596170E+21	2,749866E+21	1,344717E+21	1,344819E+21	2,750230E+21	5,596780E+21
-781	9,353560E+21	1,301370E+22	1,536448E+22	1,536430E+22	1,301335E+22	9,353171E+21	5,596457E+21	2,750106E+21	1,344876E+21	1,344903E+21	2,750150E+21	5,596382E+21
-780	9,352837E+21	1,301298E+22	1,536428E+22	1,536454E+22	1,301365E+22	9,353491E+21	5,596791E+21	2,750410E+21	1,345094E+21	1,345037E+21	2,750233E+21	5,596586E+21
-779	9,353420E+21	1,301369E+22	1,536457E+22	1,536429E+22	1,301308E+22	9,352911E+21	5,596396E+21	2,750246E+21	1,345120E+21	1,345206E+21	2,750501E+21	5,596735E+21
-778	9,353189E+21	1,301310E+22	1,536379E+22	1,536381E+22	1,301315E+22	9,353277E+21	5,596825E+21	2,750555E+21	1,345246E+21	1,345167E+21	2,750271E+21	5,596306E+21
-777	9,352649E+21	1,301281E+22	1,536415E+22	1,536434E+22	1,301339E+22	9,353227E+21	5,596666E+21	2,750464E+21	1,345245E+21	1,345235E+21	2,750473E+21	5,596790E+21
-776	9,353393E+21	1,301334E+22	1,536410E+22	1,536391E+22	1,301288E+22	9,352863E+21	5,596403E+21	2,750249E+21	1,345105E+21	1,345181E+21	2,750456E+21	5,596636E+21
-775	9,352976E+21	1,301278E+22	1,536369E+22	1,536405E+22	1,301343E+22	9,353428E+21	5,596815E+21	2,750431E+21	1,345074E+21	1,344978E+21	2,750129E+21	5,596361E+21
-774	9,353046E+21	1,301350E+22	1,536475E+22	1,536464E+22	1,301342E+22	9,353060E+21	5,596348E+21	2,750066E+21	1,344871E+21	1,344915E+21	2,750259E+21	5,596793E+21
-773	9,353654E+21	1,301387E+22	1,536471E+22	1,536434E+22	1,301321E+22	9,353054E+21	5,596352E+21	2,749964E+21	1,344708E+21	1,344725E+21	2,749964E+21	5,596254E+21
-772	9,352916E+21	1,301328E+22	1,536482E+22	1,536514E+22	1,301399E+22	9,353530E+21	5,596622E+21	2,750084E+21	1,344685E+21	1,344583E+21	2,749771E+21	5,596223E+21
-771	9,353362E+21	1,301417E+22	1,536556E+22	1,536548E+22	1,301394E+22	9,353121E+21	5,596097E+21	2,749697E+21	1,344505E+21	1,344582E+21	2,749962E+21	5,596505E+21
-770	9,353415E+21	1,301390E+22	1,536507E+22	1,536504E+22	1,301398E+22	9,353479E+21	5,596417E+21	2,749818E+21	1,344466E+21	1,344423E+21	2,749660E+21	5,596089E+21
-769	9,352914E+21	1,301348E+22	1,536526E+22	1,536557E+22	1,301429E+22	9,353596E+21	5,596455E+21	2,749843E+21	1,344494E+21	1,344461E+21	2,749762E+21	5,596435E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,353685E+21	1,301428E+22	1,536546E+22	1,536523E+22	1,301371E+22	9,353086E+21	5,596120E+21	2,749655E+21	1,344439E+21	1,344529E+21	2,749897E+21	5,596407E+21
-767	9,353317E+21	1,301370E+22	1,536480E+22	1,536490E+22	1,301388E+22	9,353512E+21	5,596595E+21	2,750018E+21	1,344618E+21	1,344537E+21	2,749733E+21	5,596085E+21
-766	9,352966E+21	1,301375E+22	1,536536E+22	1,536527E+22	1,301382E+22	9,353210E+21	5,596323E+21	2,749946E+21	1,344716E+21	1,344749E+21	2,750088E+21	5,596638E+21
-765	9,353561E+21	1,301390E+22	1,536489E+22	1,536453E+22	1,301324E+22	9,352944E+21	5,596255E+21	2,749977E+21	1,344816E+21	1,344902E+21	2,750197E+21	5,596442E+21
-764	9,352870E+21	1,301281E+22	1,536401E+22	1,536439E+22	1,301357E+22	9,353424E+21	5,596768E+21	2,750416E+21	1,345098E+21	1,345029E+21	2,750195E+21	5,596433E+21
-763	9,353121E+21	1,301338E+22	1,536435E+22	1,536431E+22	1,301325E+22	9,352980E+21	5,596408E+21	2,750292E+21	1,345189E+21	1,345279E+21	2,750602E+21	5,596910E+21
-762	9,353380E+21	1,301320E+22	1,536369E+22	1,536338E+22	1,301272E+22	9,353031E+21	5,596715E+21	2,750568E+21	1,345362E+21	1,345356E+21	2,750504E+21	5,596515E+21
-761	9,352653E+21	1,301236E+22	1,536340E+22	1,536364E+22	1,301298E+22	9,353232E+21	5,596954E+21	2,750829E+21	1,345571E+21	1,345503E+21	2,750611E+21	5,596688E+21
-760	9,353158E+21	1,301307E+22	1,536372E+22	1,536347E+22	1,301250E+22	9,352674E+21	5,596537E+21	2,750629E+21	1,345563E+21	1,345654E+21	2,750891E+21	5,596864E+21
-759	9,352896E+21	1,301240E+22	1,536288E+22	1,536296E+22	1,301260E+22	9,353108E+21	5,596961E+21	2,750896E+21	1,345656E+21	1,345593E+21	2,750667E+21	5,596503E+21
-758	9,352457E+21	1,301221E+22	1,536332E+22	1,536352E+22	1,301283E+22	9,353041E+21	5,596784E+21	2,750764E+21	1,345601E+21	1,345599E+21	2,750802E+21	5,596970E+21
-757	9,353333E+21	1,301293E+22	1,536338E+22	1,536315E+22	1,301238E+22	9,352685E+21	5,596506E+21	2,750523E+21	1,345438E+21	1,345525E+21	2,750765E+21	5,596776E+21
-756	9,352854E+21	1,301231E+22	1,536294E+22	1,536326E+22	1,301289E+22	9,353253E+21	5,596946E+21	2,750743E+21	1,345426E+21	1,345318E+21	2,750405E+21	5,596461E+21
-755	9,352932E+21	1,301313E+22	1,536410E+22	1,536398E+22	1,301302E+22	9,352958E+21	5,596509E+21	2,750402E+21	1,345246E+21	1,345274E+21	2,750536E+21	5,596828E+21
-754	9,353376E+21	1,301338E+22	1,536416E+22	1,536381E+22	1,301282E+22	9,352919E+21	5,596508E+21	2,750311E+21	1,345097E+21	1,345099E+21	2,750280E+21	5,596394E+21
-753	9,352718E+21	1,301262E+22	1,536396E+22	1,536441E+22	1,301353E+22	9,353362E+21	5,596721E+21	2,750389E+21	1,345067E+21	1,344980E+21	2,750134E+21	5,596403E+21
-752	9,353221E+21	1,301360E+22	1,536466E+22	1,536462E+22	1,301339E+22	9,352973E+21	5,596247E+21	2,750010E+21	1,344873E+21	1,344966E+21	2,750313E+21	5,596679E+21
-751	9,353288E+21	1,301337E+22	1,536420E+22	1,536413E+22	1,301336E+22	9,353314E+21	5,596584E+21	2,750158E+21	1,344854E+21	1,344818E+21	2,750013E+21	5,596261E+21
-750	9,352811E+21	1,301307E+22	1,536455E+22	1,536471E+22	1,301363E+22	9,353354E+21	5,596589E+21	2,750189E+21	1,344889E+21	1,344851E+21	2,750086E+21	5,596545E+21
-749	9,353530E+21	1,301386E+22	1,536481E+22	1,536450E+22	1,301312E+22	9,352833E+21	5,596226E+21	2,749997E+21	1,344856E+21	1,344957E+21	2,750267E+21	5,596516E+21
-748	9,353025E+21	1,301301E+22	1,536392E+22	1,536411E+22	1,301334E+22	9,353298E+21	5,596722E+21	2,750393E+21	1,345070E+21	1,344993E+21	2,750134E+21	5,596259E+21
-747	9,352766E+21	1,301310E+22	1,536437E+22	1,536440E+22	1,301337E+22	9,353121E+21	5,596511E+21	2,750343E+21	1,345182E+21	1,345217E+21	2,750494E+21	5,596804E+21
-746	9,353332E+21	1,301325E+22	1,536398E+22	1,536365E+22	1,301268E+22	9,352834E+21	5,596495E+21	2,750409E+21	1,345290E+21	1,345363E+21	2,750602E+21	5,596680E+21
-745	9,352783E+21	1,301219E+22	1,536298E+22	1,536338E+22	1,301291E+22	9,353221E+21	5,596955E+21	2,750832E+21	1,345574E+21	1,345504E+21	2,750599E+21	5,596613E+21
-744	9,353002E+21	1,301289E+22	1,536346E+22	1,536329E+22	1,301253E+22	9,352768E+21	5,596620E+21	2,750723E+21	1,345664E+21	1,345746E+21	2,750985E+21	5,597018E+21
-743	9,353118E+21	1,301261E+22	1,536287E+22	1,536252E+22	1,301206E+22	9,352811E+21	5,596905E+21	2,750994E+21	1,345845E+21	1,345837E+21	2,750916E+21	5,596648E+21
-742	9,352371E+21	1,301173E+22	1,536260E+22	1,536287E+22	1,301240E+22	9,352972E+21	5,597062E+21	2,751196E+21	1,346015E+21	1,345953E+21	2,751009E+21	5,596845E+21
-741	9,352911E+21	1,301241E+22	1,536282E+22	1,536265E+22	1,301198E+22	9,352483E+21	5,596633E+21	2,750943E+21	1,345968E+21	1,346083E+21	2,751291E+21	5,597062E+21
-740	9,352689E+21	1,301169E+22	1,536184E+22	1,536201E+22	1,301203E+22	9,352946E+21	5,597106E+21	2,751224E+21	1,346042E+21	1,345984E+21	2,751023E+21	5,596715E+21
-739	9,352418E+21	1,301176E+22	1,536241E+22	1,536260E+22	1,301230E+22	9,352922E+21	5,596965E+21	2,751110E+21	1,345982E+21	1,345964E+21	2,751095E+21	5,597070E+21
-738	9,353190E+21	1,301258E+22	1,536279E+22	1,536243E+22	1,301183E+22	9,352525E+21	5,596689E+21	2,750882E+21	1,345819E+21	1,345877E+21	2,751043E+21	5,596893E+21
-737	9,352722E+21	1,301186E+22	1,536227E+22	1,536259E+22	1,301236E+22	9,353007E+21	5,597031E+21	2,751053E+21	1,345801E+21	1,345693E+21	2,750713E+21	5,596550E+21
-736	9,352729E+21	1,301265E+22	1,536342E+22	1,536334E+22	1,301257E+22	9,352785E+21	5,596620E+21	2,750699E+21	1,345602E+21	1,345641E+21	2,750859E+21	5,596938E+21
-735	9,353125E+21	1,301279E+22	1,536340E+22	1,536315E+22	1,301241E+22	9,352814E+21	5,596641E+21	2,750600E+21	1,345448E+21	1,345467E+21	2,750625E+21	5,596569E+21
-734	9,352569E+21	1,301212E+22	1,536320E+22	1,536367E+22	1,301304E+22	9,353209E+21	5,596849E+21	2,750674E+21	1,345400E+21	1,345323E+21	2,750444E+21	5,596559E+21
-733	9,353122E+21	1,301318E+22	1,536393E+22	1,536385E+22	1,301288E+22	9,352815E+21	5,596377E+21	2,750307E+21	1,345224E+21	1,345325E+21	2,750623E+21	5,596797E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,353114E+21	1,301286E+22	1,536338E+22	1,536326E+22	1,301275E+22	9,353125E+21	5,596753E+21	2,750520E+21	1,345255E+21	1,345210E+21	2,750342E+21	5,596382E+21
-731	9,352644E+21	1,301260E+22	1,536375E+22	1,536392E+22	1,301310E+22	9,353183E+21	5,596775E+21	2,750593E+21	1,345339E+21	1,345286E+21	2,750441E+21	5,596633E+21
-730	9,353233E+21	1,301326E+22	1,536405E+22	1,536378E+22	1,301261E+22	9,352650E+21	5,596400E+21	2,750413E+21	1,345329E+21	1,345419E+21	2,750680E+21	5,596744E+21
-729	9,352848E+21	1,301228E+22	1,536285E+22	1,536316E+22	1,301273E+22	9,353069E+21	5,596840E+21	2,750769E+21	1,345541E+21	1,345481E+21	2,750578E+21	5,596500E+21
-728	9,352649E+21	1,301251E+22	1,536335E+22	1,536338E+22	1,301269E+22	9,352927E+21	5,596703E+21	2,750741E+21	1,345642E+21	1,345686E+21	2,750911E+21	5,597010E+21
-727	9,353190E+21	1,301270E+22	1,536307E+22	1,536268E+22	1,301199E+22	9,352624E+21	5,596693E+21	2,750830E+21	1,345767E+21	1,345837E+21	2,751004E+21	5,596837E+21
-726	9,352603E+21	1,301171E+22	1,536219E+22	1,536248E+22	1,301222E+22	9,352972E+21	5,597124E+21	2,751243E+21	1,346042E+21	1,345962E+21	2,750973E+21	5,596709E+21
-725	9,352727E+21	1,301233E+22	1,536270E+22	1,536254E+22	1,301197E+22	9,352545E+21	5,596758E+21	2,751107E+21	1,346126E+21	1,346214E+21	2,751377E+21	5,597113E+21
-724	9,352754E+21	1,301180E+22	1,536185E+22	1,536166E+22	1,301154E+22	9,352642E+21	5,597068E+21	2,751385E+21	1,346303E+21	1,346300E+21	2,751328E+21	5,596832E+21
-723	9,352151E+21	1,301102E+22	1,536150E+22	1,536194E+22	1,301194E+22	9,352888E+21	5,597262E+21	2,751580E+21	1,346453E+21	1,346389E+21	2,751393E+21	5,597023E+21
-722	9,352708E+21	1,301179E+22	1,536190E+22	1,536177E+22	1,301143E+22	9,352349E+21	5,596838E+21	2,751324E+21	1,346380E+21	1,346479E+21	2,751648E+21	5,597308E+21
-721	9,352651E+21	1,301117E+22	1,536090E+22	1,536105E+22	1,301138E+22	9,352700E+21	5,597223E+21	2,751558E+21	1,346433E+21	1,346374E+21	2,751359E+21	5,596884E+21
-720	9,352366E+21	1,301145E+22	1,536175E+22	1,536176E+22	1,301163E+22	9,352685E+21	5,597111E+21	2,751444E+21	1,346357E+21	1,346336E+21	2,751403E+21	5,597165E+21
-719	9,352990E+21	1,301216E+22	1,536223E+22	1,536183E+22	1,301132E+22	9,352304E+21	5,596805E+21	2,751205E+21	1,346198E+21	1,346258E+21	2,751367E+21	5,596994E+21
-718	9,352500E+21	1,301142E+22	1,536169E+22	1,536204E+22	1,301196E+22	9,352811E+21	5,597098E+21	2,751326E+21	1,346145E+21	1,346050E+21	2,751034E+21	5,596682E+21
-717	9,352527E+21	1,301213E+22	1,536271E+22	1,536271E+22	1,301221E+22	9,352676E+21	5,596709E+21	2,750950E+21	1,345929E+21	1,345987E+21	2,751170E+21	5,597072E+21
-716	9,352925E+21	1,301218E+22	1,536249E+22	1,536235E+22	1,301195E+22	9,352717E+21	5,596810E+21	2,750908E+21	1,345791E+21	1,345810E+21	2,750927E+21	5,596731E+21
-715	9,352499E+21	1,301169E+22	1,536233E+22	1,536282E+22	1,301255E+22	9,353107E+21	5,597054E+21	2,751034E+21	1,345780E+21	1,345681E+21	2,750725E+21	5,596635E+21
-714	9,352900E+21	1,301273E+22	1,536326E+22	1,536313E+22	1,301234E+22	9,352648E+21	5,596580E+21	2,750703E+21	1,345639E+21	1,345709E+21	2,750938E+21	5,596932E+21
-713	9,352917E+21	1,301229E+22	1,536256E+22	1,536248E+22	1,301216E+22	9,352843E+21	5,596855E+21	2,750883E+21	1,345694E+21	1,345654E+21	2,750727E+21	5,596532E+21
-712	9,352433E+21	1,301204E+22	1,536291E+22	1,536306E+22	1,301248E+22	9,352949E+21	5,596910E+21	2,750957E+21	1,345778E+21	1,345740E+21	2,750851E+21	5,596814E+21
-711	9,352989E+21	1,301260E+22	1,536313E+22	1,536292E+22	1,301205E+22	9,352478E+21	5,596557E+21	2,750781E+21	1,345775E+21	1,345882E+21	2,751106E+21	5,596971E+21
-710	9,352722E+21	1,301177E+22	1,536198E+22	1,536226E+22	1,301213E+22	9,352850E+21	5,596975E+21	2,751124E+21	1,345968E+21	1,345921E+21	2,750972E+21	5,596701E+21
-709	9,352538E+21	1,301203E+22	1,536249E+22	1,536248E+22	1,301210E+22	9,352734E+21	5,596855E+21	2,751113E+21	1,346083E+21	1,346131E+21	2,751278E+21	5,597131E+21
-708	9,352952E+21	1,301209E+22	1,536215E+22	1,536176E+22	1,301138E+22	9,352445E+21	5,596908E+21	2,751262E+21	1,346244E+21	1,346303E+21	2,751392E+21	5,596969E+21
-707	9,352364E+21	1,301110E+22	1,536126E+22	1,536162E+22	1,301168E+22	9,352805E+21	5,597343E+21	2,751697E+21	1,346543E+21	1,346448E+21	2,751374E+21	5,596817E+21
-706	9,352354E+21	1,301156E+22	1,536177E+22	1,536172E+22	1,301145E+22	9,352391E+21	5,596962E+21	2,751544E+21	1,346616E+21	1,346692E+21	2,751809E+21	5,597358E+21
-705	9,352553E+21	1,301102E+22	1,536067E+22	1,536059E+22	1,301089E+22	9,352415E+21	5,597202E+21	2,751760E+21	1,346762E+21	1,346774E+21	2,751765E+21	5,597088E+21
-704	9,352075E+21	1,301049E+22	1,536049E+22	1,536082E+22	1,301117E+22	9,352655E+21	5,597435E+21	2,751947E+21	1,346872E+21	1,346815E+21	2,751772E+21	5,597225E+21
-703	9,352619E+21	1,301136E+22	1,536110E+22	1,536086E+22	1,301076E+22	9,352116E+21	5,596989E+21	2,751684E+21	1,346790E+21	1,346883E+21	2,751985E+21	5,597447E+21
-702	9,352550E+21	1,301088E+22	1,536035E+22	1,536034E+22	1,301078E+22	9,352420E+21	5,597305E+21	2,751868E+21	1,346805E+21	1,346743E+21	2,751658E+21	5,596968E+21
-701	9,352167E+21	1,301106E+22	1,536124E+22	1,536125E+22	1,301123E+22	9,352480E+21	5,597175E+21	2,751726E+21	1,346713E+21	1,346697E+21	2,751696E+21	5,597222E+21
-700	9,352682E+21	1,301153E+22	1,536147E+22	1,536125E+22	1,301101E+22	9,352217E+21	5,596940E+21	2,751505E+21	1,346549E+21	1,346612E+21	2,751678E+21	5,597120E+21
-699	9,352293E+21	1,301084E+22	1,536083E+22	1,536135E+22	1,301165E+22	9,352793E+21	5,597296E+21	2,751648E+21	1,346498E+21	1,346395E+21	2,751327E+21	5,596795E+21
-698	9,352296E+21	1,301156E+22	1,536193E+22	1,536201E+22	1,301181E+22	9,352622E+21	5,596927E+21	2,751300E+21	1,346290E+21	1,346327E+21	2,751465E+21	5,597250E+21
-697	9,352822E+21	1,301165E+22	1,536157E+22	1,536141E+22	1,301135E+22	9,352518E+21	5,596952E+21	2,751249E+21	1,346177E+21	1,346190E+21	2,751248E+21	5,596871E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,352390E+21	1,301131E+22	1,536160E+22	1,536190E+22	1,301185E+22	9,352863E+21	5,597218E+21	2,751395E+21	1,346185E+21	1,346085E+21	2,751070E+21	5,596760E+21
-695	9,352676E+21	1,301220E+22	1,536256E+22	1,536239E+22	1,301175E+22	9,352371E+21	5,596689E+21	2,751064E+21	1,346071E+21	1,346150E+21	2,751329E+21	5,597099E+21
-694	9,352719E+21	1,301177E+22	1,536179E+22	1,536170E+22	1,301160E+22	9,352565E+21	5,596901E+21	2,751192E+21	1,346104E+21	1,346089E+21	2,751134E+21	5,596752E+21
-693	9,352285E+21	1,301149E+22	1,536207E+22	1,536225E+22	1,301197E+22	9,352754E+21	5,596988E+21	2,751259E+21	1,346179E+21	1,346165E+21	2,751233E+21	5,597008E+21
-692	9,352833E+21	1,301199E+22	1,536215E+22	1,536198E+22	1,301149E+22	9,352333E+21	5,596746E+21	2,751157E+21	1,346201E+21	1,346307E+21	2,751471E+21	5,597150E+21
-691	9,352619E+21	1,301129E+22	1,536108E+22	1,536135E+22	1,301158E+22	9,352726E+21	5,597218E+21	2,751562E+21	1,346435E+21	1,346363E+21	2,751315E+21	5,596782E+21
-690	9,352247E+21	1,301145E+22	1,536173E+22	1,536170E+22	1,301155E+22	9,352586E+21	5,597104E+21	2,751582E+21	1,346578E+21	1,346593E+21	2,751651E+21	5,597259E+21
-689	9,352653E+21	1,301134E+22	1,536112E+22	1,536083E+22	1,301077E+22	9,352206E+21	5,597070E+21	2,751697E+21	1,346752E+21	1,346812E+21	2,751829E+21	5,597136E+21
-688	9,352099E+21	1,301041E+22	1,536023E+22	1,536057E+22	1,301100E+22	9,352608E+21	5,597534E+21	2,752110E+21	1,347025E+21	1,346943E+21	2,751824E+21	5,597035E+21
-687	9,352112E+21	1,301082E+22	1,536072E+22	1,536072E+22	1,301080E+22	9,352192E+21	5,597137E+21	2,751939E+21	1,347078E+21	1,347164E+21	2,752238E+21	5,597595E+21
-686	9,352464E+21	1,301053E+22	1,535977E+22	1,535961E+22	1,301020E+22	9,352144E+21	5,597310E+21	2,752100E+21	1,347173E+21	1,347195E+21	2,752142E+21	5,597299E+21
-685	9,352024E+21	1,301012E+22	1,535977E+22	1,535998E+22	1,301056E+22	9,352404E+21	5,597522E+21	2,752267E+21	1,347263E+21	1,347205E+21	2,752088E+21	5,597328E+21
-684	9,352432E+21	1,301089E+22	1,536041E+22	1,536013E+22	1,301024E+22	9,351937E+21	5,597148E+21	2,752041E+21	1,347188E+21	1,347269E+21	2,752301E+21	5,597544E+21
-683	9,352348E+21	1,301040E+22	1,535970E+22	1,535978E+22	1,301044E+22	9,352291E+21	5,597463E+21	2,752225E+21	1,347205E+21	1,347129E+21	2,751971E+21	5,597043E+21
-682	9,351845E+21	1,301040E+22	1,536051E+22	1,536069E+22	1,301094E+22	9,352427E+21	5,597351E+21	2,752068E+21	1,347094E+21	1,347065E+21	2,752023E+21	5,597399E+21
-681	9,352486E+21	1,301083E+22	1,536048E+22	1,536039E+22	1,301055E+22	9,352102E+21	5,597080E+21	2,751815E+21	1,346917E+21	1,346988E+21	2,752016E+21	5,597306E+21
-680	9,352213E+21	1,301039E+22	1,535998E+22	1,536035E+22	1,301099E+22	9,352630E+21	5,597476E+21	2,751973E+21	1,346858E+21	1,346757E+21	2,751643E+21	5,596941E+21
-679	9,352154E+21	1,301107E+22	1,536116E+22	1,536114E+22	1,301120E+22	9,352415E+21	5,597077E+21	2,751642E+21	1,346672E+21	1,346702E+21	2,751772E+21	5,597355E+21
-678	9,352689E+21	1,301131E+22	1,536098E+22	1,536066E+22	1,301074E+22	9,352214E+21	5,597007E+21	2,751545E+21	1,346546E+21	1,346570E+21	2,751575E+21	5,596997E+21
-677	9,352220E+21	1,301087E+22	1,536099E+22	1,536126E+22	1,301135E+22	9,352587E+21	5,597236E+21	2,751673E+21	1,346559E+21	1,346474E+21	2,751407E+21	5,596883E+21
-676	9,352435E+21	1,301157E+22	1,536173E+22	1,536165E+22	1,301132E+22	9,352238E+21	5,596818E+21	2,751383E+21	1,346457E+21	1,346548E+21	2,751693E+21	5,597295E+21
-675	9,352590E+21	1,301121E+22	1,536094E+22	1,536095E+22	1,301119E+22	9,352468E+21	5,597085E+21	2,751548E+21	1,346507E+21	1,346490E+21	2,751477E+21	5,596905E+21
-674	9,352100E+21	1,301092E+22	1,536125E+22	1,536147E+22	1,301151E+22	9,352672E+21	5,597220E+21	2,751663E+21	1,346607E+21	1,346572E+21	2,751576E+21	5,597179E+21
-673	9,352682E+21	1,301141E+22	1,536118E+22	1,536097E+22	1,301087E+22	9,352154E+21	5,596946E+21	2,751582E+21	1,346676E+21	1,346771E+21	2,751849E+21	5,597276E+21
-672	9,352415E+21	1,301078E+22	1,536025E+22	1,536032E+22	1,301083E+22	9,352510E+21	5,597454E+21	2,752021E+21	1,346941E+21	1,346863E+21	2,751734E+21	5,596911E+21
-671	9,351914E+21	1,301068E+22	1,536079E+22	1,536082E+22	1,301094E+22	9,352354E+21	5,597285E+21	2,752037E+21	1,347104E+21	1,347121E+21	2,752109E+21	5,597435E+21
-670	9,352400E+21	1,301065E+22	1,536011E+22	1,535984E+22	1,301012E+22	9,351939E+21	5,597171E+21	2,752076E+21	1,347233E+21	1,347316E+21	2,752300E+21	5,597399E+21
-669	9,351959E+21	1,300977E+22	1,535923E+22	1,535956E+22	1,301034E+22	9,352351E+21	5,597625E+21	2,752458E+21	1,347467E+21	1,347401E+21	2,752236E+21	5,597259E+21
-668	9,351995E+21	1,301021E+22	1,535972E+22	1,535969E+22	1,301014E+22	9,351994E+21	5,597314E+21	2,752323E+21	1,347510E+21	1,347592E+21	2,752608E+21	5,597783E+21
-667	9,352387E+21	1,301009E+22	1,535901E+22	1,535879E+22	1,300964E+22	9,351962E+21	5,597495E+21	2,752496E+21	1,347605E+21	1,347604E+21	2,752459E+21	5,597375E+21
-666	9,351783E+21	1,300964E+22	1,535919E+22	1,535939E+22	1,301013E+22	9,352262E+21	5,597706E+21	2,752656E+21	1,347686E+21	1,347604E+21	2,752414E+21	5,597436E+21
-665	9,352172E+21	1,301024E+22	1,535956E+22	1,535939E+22	1,300981E+22	9,351781E+21	5,597280E+21	2,752394E+21	1,347607E+21	1,347688E+21	2,752655E+21	5,597664E+21
-664	9,352107E+21	1,300981E+22	1,535887E+22	1,535893E+22	1,300994E+22	9,352207E+21	5,597646E+21	2,752556E+21	1,347590E+21	1,347525E+21	2,752329E+21	5,597209E+21
-663	9,351628E+21	1,300973E+22	1,535963E+22	1,535989E+22	1,301046E+22	9,352310E+21	5,597516E+21	2,752393E+21	1,347464E+21	1,347440E+21	2,752351E+21	5,597554E+21
-662	9,352395E+21	1,301039E+22	1,535967E+22	1,535951E+22	1,300996E+22	9,351880E+21	5,597171E+21	2,752094E+21	1,347251E+21	1,347333E+21	2,752324E+21	5,597468E+21
-661	9,352157E+21	1,301005E+22	1,535934E+22	1,535954E+22	1,301039E+22	9,352378E+21	5,597534E+21	2,752244E+21	1,347192E+21	1,347093E+21	2,751920E+21	5,597033E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,351991E+21	1,301063E+22	1,536051E+22	1,536041E+22	1,301065E+22	9,352203E+21	5,597200E+21	2,751961E+21	1,347036E+21	1,347063E+21	2,752080E+21	5,597468E+21
-659	9,352515E+21	1,301082E+22	1,536035E+22	1,536010E+22	1,301034E+22	9,352036E+21	5,597119E+21	2,751872E+21	1,346932E+21	1,346953E+21	2,751903E+21	5,597116E+21
-658	9,351981E+21	1,301028E+22	1,536028E+22	1,536066E+22	1,301101E+22	9,352493E+21	5,597375E+21	2,752001E+21	1,346945E+21	1,346862E+21	2,751763E+21	5,597088E+21
-657	9,352289E+21	1,301092E+22	1,536073E+22	1,536072E+22	1,301080E+22	9,352105E+21	5,596977E+21	2,751733E+21	1,346869E+21	1,346964E+21	2,752057E+21	5,597478E+21
-656	9,352504E+21	1,301075E+22	1,536010E+22	1,535992E+22	1,301051E+22	9,352322E+21	5,597310E+21	2,751944E+21	1,346945E+21	1,346923E+21	2,751840E+21	5,597046E+21
-655	9,351903E+21	1,301034E+22	1,536042E+22	1,536057E+22	1,301088E+22	9,352484E+21	5,597435E+21	2,752101E+21	1,347089E+21	1,347040E+21	2,751944E+21	5,597259E+21
-654	9,352441E+21	1,301088E+22	1,536039E+22	1,536010E+22	1,301021E+22	9,351881E+21	5,597076E+21	2,751985E+21	1,347157E+21	1,347258E+21	2,752267E+21	5,597421E+21
-653	9,352150E+21	1,301013E+22	1,535939E+22	1,535946E+22	1,301023E+22	9,352247E+21	5,597544E+21	2,752398E+21	1,347416E+21	1,347351E+21	2,752163E+21	5,597082E+21
-652	9,351630E+21	1,300987E+22	1,535969E+22	1,535982E+22	1,301037E+22	9,352207E+21	5,597468E+21	2,752435E+21	1,347572E+21	1,347601E+21	2,752552E+21	5,597678E+21
-651	9,352262E+21	1,300998E+22	1,535910E+22	1,535891E+22	1,300955E+22	9,351777E+21	5,597362E+21	2,752480E+21	1,347690E+21	1,347771E+21	2,752701E+21	5,597606E+21
-650	9,351831E+21	1,300920E+22	1,535833E+22	1,535866E+22	1,300978E+22	9,352193E+21	5,597818E+21	2,752860E+21	1,347910E+21	1,347829E+21	2,752608E+21	5,597456E+21
-649	9,351881E+21	1,300968E+22	1,535880E+22	1,535869E+22	1,300948E+22	9,351784E+21	5,597491E+21	2,752729E+21	1,347970E+21	1,348040E+21	2,752976E+21	5,597916E+21
-648	9,352224E+21	1,300966E+22	1,535833E+22	1,535792E+22	1,300896E+22	9,351748E+21	5,597681E+21	2,752896E+21	1,348060E+21	1,348056E+21	2,752838E+21	5,597488E+21
-647	9,351485E+21	1,300896E+22	1,535839E+22	1,535869E+22	1,300966E+22	9,352090E+21	5,597854E+21	2,753032E+21	1,348129E+21	1,348049E+21	2,752791E+21	5,597559E+21
-646	9,351954E+21	1,300966E+22	1,535869E+22	1,535857E+22	1,300932E+22	9,351611E+21	5,597368E+21	2,752687E+21	1,347984E+21	1,348088E+21	2,753026E+21	5,597863E+21
-645	9,351991E+21	1,300928E+22	1,535805E+22	1,535807E+22	1,300938E+22	9,352011E+21	5,597725E+21	2,752826E+21	1,347928E+21	1,347872E+21	2,752633E+21	5,597359E+21
-644	9,351520E+21	1,300921E+22	1,535876E+22	1,535900E+22	1,300990E+22	9,352167E+21	5,597679E+21	2,752705E+21	1,347802E+21	1,347771E+21	2,752630E+21	5,597670E+21
-643	9,352292E+21	1,301000E+22	1,535906E+22	1,535885E+22	1,300945E+22	9,351694E+21	5,597316E+21	2,752421E+21	1,347606E+21	1,347667E+21	2,752582E+21	5,597517E+21
-642	9,351936E+21	1,300961E+22	1,535882E+22	1,535903E+22	1,300997E+22	9,352203E+21	5,597656E+21	2,752565E+21	1,347553E+21	1,347443E+21	2,752220E+21	5,597142E+21
-641	9,351765E+21	1,301003E+22	1,535971E+22	1,535970E+22	1,301020E+22	9,352038E+21	5,597310E+21	2,752283E+21	1,347425E+21	1,347457E+21	2,752428E+21	5,597611E+21
-640	9,352336E+21	1,301030E+22	1,535958E+22	1,535927E+22	1,300982E+22	9,351933E+21	5,597290E+21	2,752200E+21	1,347323E+21	1,347356E+21	2,752270E+21	5,597294E+21
-639	9,351802E+21	1,300966E+22	1,535942E+22	1,535987E+22	1,301052E+22	9,352378E+21	5,597559E+21	2,752361E+21	1,347357E+21	1,347275E+21	2,752113E+21	5,597234E+21
-638	9,352195E+21	1,301048E+22	1,535988E+22	1,535980E+22	1,301020E+22	9,351914E+21	5,597113E+21	2,752080E+21	1,347281E+21	1,347381E+21	2,752414E+21	5,597630E+21
-637	9,352376E+21	1,301031E+22	1,535937E+22	1,535905E+22	1,300986E+22	9,352078E+21	5,597433E+21	2,752314E+21	1,347383E+21	1,347357E+21	2,752199E+21	5,597156E+21
-636	9,351655E+21	1,300970E+22	1,535954E+22	1,535972E+22	1,301029E+22	9,352288E+21	5,597626E+21	2,752523E+21	1,347564E+21	1,347515E+21	2,752359E+21	5,597409E+21
-635	9,352162E+21	1,301014E+22	1,535948E+22	1,535934E+22	1,300970E+22	9,351696E+21	5,597246E+21	2,752405E+21	1,347645E+21	1,347746E+21	2,752700E+21	5,597611E+21
-634	9,351898E+21	1,300939E+22	1,535841E+22	1,535859E+22	1,300970E+22	9,352106E+21	5,597721E+21	2,752796E+21	1,347883E+21	1,347827E+21	2,752613E+21	5,597352E+21
-633	9,351509E+21	1,300917E+22	1,535850E+22	1,535863E+22	1,300963E+22	9,351997E+21	5,597651E+21	2,752846E+21	1,348049E+21	1,348080E+21	2,752974E+21	5,597899E+21
-632	9,352191E+21	1,300951E+22	1,535817E+22	1,535776E+22	1,300876E+22	9,351568E+21	5,597575E+21	2,752904E+21	1,348167E+21	1,348239E+21	2,753093E+21	5,597763E+21
-631	9,351659E+21	1,300868E+22	1,535754E+22	1,535781E+22	1,300913E+22	9,351959E+21	5,597990E+21	2,753281E+21	1,348391E+21	1,348297E+21	2,752973E+21	5,597543E+21
-630	9,351674E+21	1,300920E+22	1,535805E+22	1,535790E+22	1,300889E+22	9,351525E+21	5,597595E+21	2,753093E+21	1,348415E+21	1,348491E+21	2,753360E+21	5,598045E+21
-629	9,351977E+21	1,300907E+22	1,535758E+22	1,535722E+22	1,300849E+22	9,351547E+21	5,597763E+21	2,753215E+21	1,348463E+21	1,348467E+21	2,753197E+21	5,597625E+21
-628	9,351234E+21	1,300825E+22	1,535745E+22	1,535789E+22	1,300921E+22	9,352010E+21	5,598033E+21	2,753361E+21	1,348503E+21	1,348431E+21	2,753137E+21	5,597721E+21
-627	9,351776E+21	1,300906E+22	1,535786E+22	1,535785E+22	1,300887E+22	9,351508E+21	5,597549E+21	2,753015E+21	1,348340E+21	1,348432E+21	2,753316E+21	5,597984E+21
-626	9,351846E+21	1,300881E+22	1,535732E+22	1,535735E+22	1,300891E+22	9,351891E+21	5,597891E+21	2,753146E+21	1,348270E+21	1,348203E+21	2,752920E+21	5,597486E+21
-625	9,351386E+21	1,300874E+22	1,535795E+22	1,535811E+22	1,300928E+22	9,351971E+21	5,597829E+21	2,753046E+21	1,348181E+21	1,348138E+21	2,752934E+21	5,597766E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,352124E+21	1,300960E+22	1,535844E+22	1,535810E+22	1,300886E+22	9,351496E+21	5,597460E+21	2,752763E+21	1,348002E+21	1,348061E+21	2,752928E+21	5,597646E+21
-623	9,351698E+21	1,300901E+22	1,535809E+22	1,535842E+22	1,300956E+22	9,352024E+21	5,597755E+21	2,752886E+21	1,347952E+21	1,347853E+21	2,752580E+21	5,597302E+21
-622	9,351637E+21	1,300954E+22	1,535888E+22	1,535890E+22	1,300969E+22	9,351855E+21	5,597387E+21	2,752561E+21	1,347791E+21	1,347849E+21	2,752799E+21	5,597832E+21
-621	9,352271E+21	1,300986E+22	1,535882E+22	1,535846E+22	1,300925E+22	9,351721E+21	5,597378E+21	2,752490E+21	1,347682E+21	1,347722E+21	2,752590E+21	5,597448E+21
-620	9,351689E+21	1,300916E+22	1,535858E+22	1,535900E+22	1,300996E+22	9,352243E+21	5,597754E+21	2,752721E+21	1,347751E+21	1,347664E+21	2,752437E+21	5,597338E+21
-619	9,351996E+21	1,300999E+22	1,535921E+22	1,535913E+22	1,300968E+22	9,351749E+21	5,597306E+21	2,752477E+21	1,347714E+21	1,347796E+21	2,752740E+21	5,597694E+21
-618	9,352087E+21	1,300971E+22	1,535861E+22	1,535838E+22	1,300938E+22	9,351915E+21	5,597610E+21	2,752715E+21	1,347835E+21	1,347808E+21	2,752597E+21	5,597305E+21
-617	9,351367E+21	1,300892E+22	1,535842E+22	1,535873E+22	1,300970E+22	9,352123E+21	5,597809E+21	2,752939E+21	1,348050E+21	1,348006E+21	2,752802E+21	5,597618E+21
-616	9,351957E+21	1,300947E+22	1,535844E+22	1,535824E+22	1,300900E+22	9,351533E+21	5,597456E+21	2,752821E+21	1,348129E+21	1,348240E+21	2,753152E+21	5,597851E+21
-615	9,351727E+21	1,300869E+22	1,535734E+22	1,535756E+22	1,300902E+22	9,351887E+21	5,597905E+21	2,753216E+21	1,348368E+21	1,348312E+21	2,753024E+21	5,597546E+21
-614	9,351444E+21	1,300873E+22	1,535756E+22	1,535757E+22	1,300887E+22	9,351715E+21	5,597782E+21	2,753232E+21	1,348511E+21	1,348546E+21	2,753376E+21	5,598076E+21
-613	9,352069E+21	1,300910E+22	1,535746E+22	1,535690E+22	1,300805E+22	9,351256E+21	5,597683E+21	2,753287E+21	1,348624E+21	1,348689E+21	2,753460E+21	5,597869E+21
-612	9,351401E+21	1,300808E+22	1,535674E+22	1,535705E+22	1,300860E+22	9,351775E+21	5,598165E+21	2,753683E+21	1,348850E+21	1,348756E+21	2,753367E+21	5,597669E+21
-611	9,351368E+21	1,300850E+22	1,535724E+22	1,535727E+22	1,300849E+22	9,351404E+21	5,597763E+21	2,753471E+21	1,348852E+21	1,348922E+21	2,753731E+21	5,598188E+21
-610	9,351718E+21	1,300838E+22	1,535668E+22	1,535649E+22	1,300809E+22	9,351475E+21	5,597947E+21	2,753559E+21	1,348854E+21	1,348865E+21	2,753566E+21	5,597824E+21
-609	9,351083E+21	1,300760E+22	1,535634E+22	1,535684E+22	1,300860E+22	9,351871E+21	5,598228E+21	2,753721E+21	1,348898E+21	1,348819E+21	2,753474E+21	5,597878E+21
-608	9,351659E+21	1,300862E+22	1,535703E+22	1,535686E+22	1,300819E+22	9,351340E+21	5,597740E+21	2,753377E+21	1,348735E+21	1,348813E+21	2,753631E+21	5,598094E+21
-607	9,351651E+21	1,300833E+22	1,535663E+22	1,535663E+22	1,300834E+22	9,351662E+21	5,598022E+21	2,753494E+21	1,348670E+21	1,348593E+21	2,753229E+21	5,597574E+21
-606	9,351232E+21	1,300835E+22	1,535728E+22	1,535740E+22	1,300873E+22	9,351697E+21	5,597880E+21	2,753334E+21	1,348551E+21	1,348524E+21	2,753283E+21	5,597921E+21
-605	9,351956E+21	1,300914E+22	1,535778E+22	1,535747E+22	1,300841E+22	9,351275E+21	5,597500E+21	2,753022E+21	1,348344E+21	1,348418E+21	2,753255E+21	5,597815E+21
-604	9,351551E+21	1,300848E+22	1,535728E+22	1,535772E+22	1,300915E+22	9,351929E+21	5,597899E+21	2,753171E+21	1,348289E+21	1,348204E+21	2,752908E+21	5,597482E+21
-603	9,351516E+21	1,300904E+22	1,535816E+22	1,535827E+22	1,300928E+22	9,351752E+21	5,597561E+21	2,752881E+21	1,348140E+21	1,348185E+21	2,753075E+21	5,597941E+21
-602	9,352132E+21	1,300944E+22	1,535814E+22	1,535780E+22	1,300881E+22	9,351622E+21	5,597568E+21	2,752833E+21	1,348052E+21	1,348085E+21	2,752899E+21	5,597557E+21
-601	9,351497E+21	1,300865E+22	1,535770E+22	1,535808E+22	1,300931E+22	9,352057E+21	5,597958E+21	2,753130E+21	1,348196E+21	1,348095E+21	2,752792E+21	5,597430E+21
-600	9,351701E+21	1,300940E+22	1,535837E+22	1,535824E+22	1,300907E+22	9,351568E+21	5,597506E+21	2,752905E+21	1,348200E+21	1,348277E+21	2,753155E+21	5,597842E+21
-599	9,351771E+21	1,300894E+22	1,535761E+22	1,535754E+22	1,300884E+22	9,351718E+21	5,597765E+21	2,753127E+21	1,348332E+21	1,348313E+21	2,753042E+21	5,597523E+21
-598	9,351233E+21	1,300830E+22	1,535731E+22	1,535760E+22	1,300896E+22	9,351857E+21	5,597928E+21	2,753310E+21	1,348514E+21	1,348492E+21	2,753256E+21	5,597891E+21
-597	9,351886E+21	1,300896E+22	1,535748E+22	1,535719E+22	1,300824E+22	9,351223E+21	5,597570E+21	2,753196E+21	1,348577E+21	1,348688E+21	2,753542E+21	5,598050E+21
-596	9,351617E+21	1,300820E+22	1,535646E+22	1,535660E+22	1,300833E+22	9,351655E+21	5,598081E+21	2,753621E+21	1,348828E+21	1,348767E+21	2,753403E+21	5,597679E+21
-595	9,351222E+21	1,300821E+22	1,535689E+22	1,535689E+22	1,300831E+22	9,351496E+21	5,597958E+21	2,753649E+21	1,348979E+21	1,348996E+21	2,753731E+21	5,598155E+21
-594	9,351761E+21	1,300848E+22	1,535672E+22	1,535630E+22	1,300765E+22	9,351122E+21	5,597857E+21	2,753679E+21	1,349076E+21	1,349145E+21	2,753860E+21	5,598005E+21
-593	9,351086E+21	1,300731E+22	1,535565E+22	1,535612E+22	1,300810E+22	9,351679E+21	5,598373E+21	2,754085E+21	1,349309E+21	1,349217E+21	2,753777E+21	5,597846E+21
-592	9,351118E+21	1,300781E+22	1,535624E+22	1,535628E+22	1,300793E+22	9,351332E+21	5,597997E+21	2,753868E+21	1,349291E+21	1,349359E+21	2,754115E+21	5,598374E+21
-591	9,351531E+21	1,300772E+22	1,535567E+22	1,535557E+22	1,300753E+22	9,351319E+21	5,598135E+21	2,753938E+21	1,349274E+21	1,349277E+21	2,753908E+21	5,597989E+21
-590	9,351033E+21	1,300721E+22	1,535546E+22	1,535582E+22	1,300788E+22	9,351600E+21	5,598336E+21	2,754047E+21	1,349282E+21	1,349208E+21	2,753817E+21	5,598047E+21
-589	9,351560E+21	1,300828E+22	1,535642E+22	1,535610E+22	1,300753E+22	9,351006E+21	5,597801E+21	2,753683E+21	1,349101E+21	1,349177E+21	2,753945E+21	5,598221E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,351467E+21	1,300785E+22	1,535598E+22	1,535601E+22	1,300788E+22	9,351445E+21	5,598107E+21	2,753789E+21	1,349031E+21	1,348967E+21	2,753571E+21	5,597730E+21
-587	9,351035E+21	1,300785E+22	1,535668E+22	1,535690E+22	1,300839E+22	9,351555E+21	5,597974E+21	2,753612E+21	1,348894E+21	1,348872E+21	2,753593E+21	5,598080E+21
-586	9,351820E+21	1,300866E+22	1,535708E+22	1,535687E+22	1,300807E+22	9,351199E+21	5,597639E+21	2,753296E+21	1,348665E+21	1,348750E+21	2,753557E+21	5,597969E+21
-585	9,351435E+21	1,300798E+22	1,535637E+22	1,535681E+22	1,300862E+22	9,351819E+21	5,598094E+21	2,753515E+21	1,348658E+21	1,348559E+21	2,753199E+21	5,597587E+21
-584	9,351350E+21	1,300863E+22	1,535743E+22	1,535741E+22	1,300871E+22	9,351627E+21	5,597776E+21	2,753269E+21	1,348555E+21	1,348576E+21	2,753372E+21	5,597990E+21
-583	9,351833E+21	1,300884E+22	1,535738E+22	1,535708E+22	1,300829E+22	9,351427E+21	5,597747E+21	2,753240E+21	1,348506E+21	1,348524E+21	2,753241E+21	5,597641E+21
-582	9,351257E+21	1,300807E+22	1,535679E+22	1,535718E+22	1,300871E+22	9,351801E+21	5,598068E+21	2,753498E+21	1,348647E+21	1,348563E+21	2,753218E+21	5,597627E+21
-581	9,351470E+21	1,300875E+22	1,535745E+22	1,535734E+22	1,300845E+22	9,351301E+21	5,597605E+21	2,753259E+21	1,348638E+21	1,348729E+21	2,753572E+21	5,598069E+21
-580	9,351593E+21	1,300827E+22	1,535658E+22	1,535656E+22	1,300823E+22	9,351525E+21	5,597926E+21	2,753499E+21	1,348772E+21	1,348770E+21	2,753466E+21	5,597762E+21
-579	9,351105E+21	1,300775E+22	1,535646E+22	1,535674E+22	1,300835E+22	9,351635E+21	5,598087E+21	2,753698E+21	1,348958E+21	1,348928E+21	2,753624E+21	5,598059E+21
-578	9,351753E+21	1,300849E+22	1,535669E+22	1,535637E+22	1,300768E+22	9,351047E+21	5,597753E+21	2,753592E+21	1,349028E+21	1,349138E+21	2,753924E+21	5,598186E+21
-577	9,351396E+21	1,300762E+22	1,535555E+22	1,535566E+22	1,300768E+22	9,351452E+21	5,598296E+21	2,754073E+21	1,349329E+21	1,349259E+21	2,753816E+21	5,597812E+21
-576	9,350919E+21	1,300754E+22	1,535600E+22	1,535603E+22	1,300778E+22	9,351356E+21	5,598173E+21	2,754104E+21	1,349495E+21	1,349505E+21	2,754163E+21	5,598310E+21
-575	9,351433E+21	1,300766E+22	1,535567E+22	1,535545E+22	1,300719E+22	9,351006E+21	5,598057E+21	2,754102E+21	1,349570E+21	1,349641E+21	2,754290E+21	5,598222E+21
-574	9,350959E+21	1,300669E+22	1,535453E+22	1,535498E+22	1,300741E+22	9,351470E+21	5,598523E+21	2,754448E+21	1,349744E+21	1,349669E+21	2,754197E+21	5,598094E+21
-573	9,351026E+21	1,300730E+22	1,535532E+22	1,535526E+22	1,300720E+22	9,351043E+21	5,598118E+21	2,754214E+21	1,349687E+21	1,349749E+21	2,754447E+21	5,598535E+21
-572	9,351421E+21	1,300727E+22	1,535489E+22	1,535469E+22	1,300689E+22	9,351078E+21	5,598267E+21	2,754278E+21	1,349660E+21	1,349659E+21	2,754231E+21	5,598112E+21
-571	9,350852E+21	1,300679E+22	1,535493E+22	1,535523E+22	1,300736E+22	9,351343E+21	5,598430E+21	2,754366E+21	1,349652E+21	1,349565E+21	2,754106E+21	5,598134E+21
-570	9,351346E+21	1,300780E+22	1,535585E+22	1,535562E+22	1,300722E+22	9,350874E+21	5,597901E+21	2,753965E+21	1,349442E+21	1,349530E+21	2,754263E+21	5,598349E+21
-569	9,351258E+21	1,300729E+22	1,535517E+22	1,535526E+22	1,300746E+22	9,351346E+21	5,598253E+21	2,754093E+21	1,349384E+21	1,349324E+21	2,753889E+21	5,597880E+21
-568	9,350863E+21	1,300733E+22	1,535589E+22	1,535612E+22	1,300796E+22	9,351504E+21	5,598165E+21	2,753942E+21	1,349257E+21	1,349224E+21	2,753881E+21	5,598193E+21
-567	9,351640E+21	1,300812E+22	1,535628E+22	1,535615E+22	1,300767E+22	9,351107E+21	5,597823E+21	2,753643E+21	1,349045E+21	1,349112E+21	2,753833E+21	5,598066E+21
-566	9,351342E+21	1,300761E+22	1,535558E+22	1,535586E+22	1,300797E+22	9,351596E+21	5,598229E+21	2,753855E+21	1,349050E+21	1,348951E+21	2,753531E+21	5,597709E+21
-565	9,351142E+21	1,300813E+22	1,535675E+22	1,535664E+22	1,300808E+22	9,351329E+21	5,597885E+21	2,753626E+21	1,348966E+21	1,348984E+21	2,753717E+21	5,598106E+21
-564	9,351561E+21	1,300820E+22	1,535654E+22	1,535632E+22	1,300779E+22	9,351213E+21	5,597863E+21	2,753598E+21	1,348940E+21	1,348976E+21	2,753661E+21	5,597848E+21
-563	9,351026E+21	1,300741E+22	1,535596E+22	1,535639E+22	1,300818E+22	9,351594E+21	5,598181E+21	2,753842E+21	1,349071E+21	1,348999E+21	2,753621E+21	5,597864E+21
-562	9,351360E+21	1,300817E+22	1,535653E+22	1,535646E+22	1,300791E+22	9,351144E+21	5,597758E+21	2,753603E+21	1,349050E+21	1,349159E+21	2,753971E+21	5,598291E+21
-561	9,351499E+21	1,300773E+22	1,535557E+22	1,535546E+22	1,300752E+22	9,351316E+21	5,598119E+21	2,753908E+21	1,349231E+21	1,349222E+21	2,753847E+21	5,597926E+21
-560	9,350951E+21	1,300728E+22	1,535565E+22	1,535578E+22	1,300771E+22	9,351456E+21	5,598297E+21	2,754146E+21	1,349457E+21	1,349406E+21	2,753996E+21	5,598152E+21
-559	9,351461E+21	1,300784E+22	1,535586E+22	1,535560E+22	1,300717E+22	9,350868E+21	5,597954E+21	2,754051E+21	1,349548E+21	1,349642E+21	2,754323E+21	5,598307E+21
-558	9,351154E+21	1,300697E+22	1,535456E+22	1,535469E+22	1,300709E+22	9,351242E+21	5,598450E+21	2,754485E+21	1,349827E+21	1,349770E+21	2,754279E+21	5,598031E+21
-557	9,350674E+21	1,300682E+22	1,535501E+22	1,535509E+22	1,300717E+22	9,351136E+21	5,598332E+21	2,754495E+21	1,349951E+21	1,349967E+21	2,754579E+21	5,598520E+21
-556	9,351239E+21	1,300695E+22	1,535462E+22	1,535445E+22	1,300660E+22	9,350849E+21	5,598247E+21	2,754485E+21	1,350002E+21	1,350082E+21	2,754692E+21	5,598435E+21
-555	9,350822E+21	1,300617E+22	1,535372E+22	1,535408E+22	1,300678E+22	9,351252E+21	5,598673E+21	2,754806E+21	1,350146E+21	1,350060E+21	2,754526E+21	5,598246E+21
-554	9,350919E+21	1,300688E+22	1,535462E+22	1,535445E+22	1,300662E+22	9,350841E+21	5,598258E+21	2,754547E+21	1,350069E+21	1,350130E+21	2,754765E+21	5,598630E+21
-553	9,351211E+21	1,300676E+22	1,535414E+22	1,535388E+22	1,300629E+22	9,350850E+21	5,598409E+21	2,754643E+21	1,350071E+21	1,350061E+21	2,754569E+21	5,598225E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,350616E+21	1,300625E+22	1,535423E+22	1,535458E+22	1,300696E+22	9,351199E+21	5,598552E+21	2,754712E+21	1,350063E+21	1,349970E+21	2,754447E+21	5,598264E+21
-551	9,351106E+21	1,300715E+22	1,535501E+22	1,535495E+22	1,300689E+22	9,350796E+21	5,598052E+21	2,754294E+21	1,349832E+21	1,349917E+21	2,754588E+21	5,598519E+21
-550	9,351190E+21	1,300682E+22	1,535429E+22	1,535433E+22	1,300690E+22	9,351183E+21	5,598378E+21	2,754389E+21	1,349739E+21	1,349690E+21	2,754221E+21	5,598065E+21
-549	9,350782E+21	1,300691E+22	1,535518E+22	1,535530E+22	1,300736E+22	9,351269E+21	5,598288E+21	2,754254E+21	1,349605E+21	1,349563E+21	2,754152E+21	5,598274E+21
-548	9,351457E+21	1,300765E+22	1,535560E+22	1,535540E+22	1,300714E+22	9,350926E+21	5,597964E+21	2,753974E+21	1,349421E+21	1,349487E+21	2,754143E+21	5,598147E+21
-547	9,351082E+21	1,300711E+22	1,535503E+22	1,535525E+22	1,300747E+22	9,351372E+21	5,598331E+21	2,754181E+21	1,349437E+21	1,349338E+21	2,753861E+21	5,597825E+21
-546	9,350908E+21	1,300752E+22	1,535598E+22	1,535597E+22	1,300769E+22	9,351198E+21	5,598000E+21	2,753936E+21	1,349351E+21	1,349391E+21	2,754094E+21	5,598275E+21
-545	9,351351E+21	1,300752E+22	1,535554E+22	1,535536E+22	1,300724E+22	9,351075E+21	5,598035E+21	2,753960E+21	1,349361E+21	1,349407E+21	2,754062E+21	5,598079E+21
-544	9,350909E+21	1,300683E+22	1,535502E+22	1,535544E+22	1,300761E+22	9,351447E+21	5,598363E+21	2,754234E+21	1,349517E+21	1,349438E+21	2,753995E+21	5,598046E+21
-543	9,351229E+21	1,300760E+22	1,535562E+22	1,535554E+22	1,300735E+22	9,350989E+21	5,597963E+21	2,754025E+21	1,349519E+21	1,349611E+21	2,754331E+21	5,598447E+21
-542	9,351421E+21	1,300730E+22	1,535474E+22	1,535442E+22	1,300676E+22	9,351043E+21	5,598276E+21	2,754320E+21	1,349713E+21	1,349707E+21	2,754263E+21	5,598087E+21
-541	9,350729E+21	1,300672E+22	1,535488E+22	1,535495E+22	1,300704E+22	9,351154E+21	5,598445E+21	2,754571E+21	1,349947E+21	1,349894E+21	2,754407E+21	5,598283E+21
-540	9,351158E+21	1,300711E+22	1,535491E+22	1,535477E+22	1,300668E+22	9,350708E+21	5,598120E+21	2,754467E+21	1,350045E+21	1,350153E+21	2,754784E+21	5,598515E+21
-539	9,350893E+21	1,300626E+22	1,535364E+22	1,535377E+22	1,300651E+22	9,351073E+21	5,598614E+21	2,754874E+21	1,350286E+21	1,350236E+21	2,754698E+21	5,598258E+21
-538	9,350534E+21	1,300615E+22	1,535400E+22	1,535413E+22	1,300660E+22	9,350997E+21	5,598518E+21	2,754863E+21	1,350375E+21	1,350399E+21	2,754959E+21	5,598690E+21
-537	9,351087E+21	1,300638E+22	1,535361E+22	1,535335E+22	1,300586E+22	9,350629E+21	5,598442E+21	2,754893E+21	1,350446E+21	1,350510E+21	2,755046E+21	5,598571E+21
-536	9,350643E+21	1,300566E+22	1,535293E+22	1,535319E+22	1,300614E+22	9,351031E+21	5,598834E+21	2,755208E+21	1,350596E+21	1,350487E+21	2,754857E+21	5,598321E+21
-535	9,350649E+21	1,300628E+22	1,535387E+22	1,535378E+22	1,300618E+22	9,350672E+21	5,598408E+21	2,754927E+21	1,350507E+21	1,350554E+21	2,755107E+21	5,598753E+21
-534	9,351041E+21	1,300623E+22	1,535332E+22	1,535305E+22	1,300577E+22	9,350647E+21	5,598497E+21	2,754952E+21	1,350466E+21	1,350474E+21	2,754953E+21	5,598422E+21
-533	9,350461E+21	1,300570E+22	1,535348E+22	1,535384E+22	1,300645E+22	9,351010E+21	5,598661E+21	2,755003E+21	1,350412E+21	1,350328E+21	2,754768E+21	5,598425E+21
-532	9,350981E+21	1,300662E+22	1,535420E+22	1,535419E+22	1,300646E+22	9,350695E+21	5,598195E+21	2,754590E+21	1,350173E+21	1,350265E+21	2,754896E+21	5,598660E+21
-531	9,351062E+21	1,300642E+22	1,535370E+22	1,535362E+22	1,300639E+22	9,351020E+21	5,598501E+21	2,754679E+21	1,350068E+21	1,350014E+21	2,754489E+21	5,598171E+21
-530	9,350658E+21	1,300649E+22	1,535457E+22	1,535464E+22	1,300689E+22	9,351123E+21	5,598424E+21	2,754551E+21	1,349948E+21	1,349911E+21	2,754442E+21	5,598329E+21
-529	9,351192E+21	1,300708E+22	1,535484E+22	1,535463E+22	1,300660E+22	9,350736E+21	5,598117E+21	2,754332E+21	1,349823E+21	1,349888E+21	2,754495E+21	5,598281E+21
-528	9,350845E+21	1,300649E+22	1,535420E+22	1,535449E+22	1,300703E+22	9,351231E+21	5,598465E+21	2,754540E+21	1,349865E+21	1,349769E+21	2,754241E+21	5,598002E+21
-527	9,350719E+21	1,300685E+22	1,535501E+22	1,535510E+22	1,300722E+22	9,351092E+21	5,598177E+21	2,754305E+21	1,349783E+21	1,349823E+21	2,754471E+21	5,598498E+21
-526	9,351333E+21	1,300703E+22	1,535456E+22	1,535426E+22	1,300651E+22	9,350833E+21	5,598169E+21	2,754318E+21	1,349789E+21	1,349846E+21	2,754460E+21	5,598303E+21
-525	9,350856E+21	1,300641E+22	1,535425E+22	1,535451E+22	1,300687E+22	9,351139E+21	5,598497E+21	2,754615E+21	1,349953E+21	1,349867E+21	2,754343E+21	5,598163E+21
-524	9,351038E+21	1,300708E+22	1,535485E+22	1,535472E+22	1,300675E+22	9,350776E+21	5,598132E+21	2,754438E+21	1,349993E+21	1,350082E+21	2,754720E+21	5,598548E+21
-523	9,351113E+21	1,300671E+22	1,535408E+22	1,535373E+22	1,300623E+22	9,350828E+21	5,598421E+21	2,754723E+21	1,350188E+21	1,350183E+21	2,754672E+21	5,598235E+21
-522	9,350461E+21	1,300600E+22	1,535397E+22	1,535416E+22	1,300659E+22	9,351046E+21	5,598619E+21	2,754953E+21	1,350410E+21	1,350375E+21	2,754833E+21	5,598433E+21
-521	9,350849E+21	1,300629E+22	1,535377E+22	1,535370E+22	1,300607E+22	9,350595E+21	5,598361E+21	2,754902E+21	1,350528E+21	1,350635E+21	2,755214E+21	5,598728E+21
-520	9,350708E+21	1,300556E+22	1,535256E+22	1,535274E+22	1,300591E+22	9,350930E+21	5,598829E+21	2,755308E+21	1,350769E+21	1,350704E+21	2,755088E+21	5,598427E+21
-519	9,350370E+21	1,300552E+22	1,535297E+22	1,535310E+22	1,300596E+22	9,350833E+21	5,598732E+21	2,755297E+21	1,350851E+21	1,350853E+21	2,755322E+21	5,598843E+21
-518	9,350983E+21	1,300589E+22	1,535273E+22	1,535230E+22	1,300507E+22	9,350322E+21	5,598573E+21	2,755282E+21	1,350904E+21	1,350970E+21	2,755452E+21	5,598749E+21
-517	9,350467E+21	1,300515E+22	1,535222E+22	1,535244E+22	1,300549E+22	9,350691E+21	5,598914E+21	2,755560E+21	1,351021E+21	1,350919E+21	2,755237E+21	5,598478E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,350434E+21	1,300567E+22	1,535305E+22	1,535306E+22	1,300574E+22	9,350517E+21	5,598515E+21	2,755247E+21	1,350908E+21	1,350975E+21	2,755499E+21	5,598951E+21
-515	9,350873E+21	1,300572E+22	1,535265E+22	1,535235E+22	1,300530E+22	9,350502E+21	5,598601E+21	2,755227E+21	1,350808E+21	1,350831E+21	2,755279E+21	5,598614E+21
-514	9,350408E+21	1,300527E+22	1,535274E+22	1,535310E+22	1,300601E+22	9,350913E+21	5,598799E+21	2,755270E+21	1,350727E+21	1,350652E+21	2,755037E+21	5,598500E+21
-513	9,350818E+21	1,300618E+22	1,535345E+22	1,535336E+22	1,300591E+22	9,350568E+21	5,598384E+21	2,754928E+21	1,350529E+21	1,350601E+21	2,755158E+21	5,598717E+21
-512	9,350853E+21	1,300596E+22	1,535305E+22	1,535296E+22	1,300593E+22	9,350871E+21	5,598660E+21	2,755034E+21	1,350459E+21	1,350382E+21	2,754770E+21	5,598212E+21
-511	9,350373E+21	1,300587E+22	1,535379E+22	1,535400E+22	1,300651E+22	9,351015E+21	5,598594E+21	2,754913E+21	1,350356E+21	1,350306E+21	2,754774E+21	5,598460E+21
-510	9,351010E+21	1,300649E+22	1,535395E+22	1,535375E+22	1,300602E+22	9,350541E+21	5,598232E+21	2,754656E+21	1,350222E+21	1,350307E+21	2,754900E+21	5,598515E+21
-509	9,350724E+21	1,300593E+22	1,535336E+22	1,535364E+22	1,300639E+22	9,350983E+21	5,598581E+21	2,754861E+21	1,350249E+21	1,350167E+21	2,754607E+21	5,598206E+21
-508	9,350633E+21	1,300636E+22	1,535415E+22	1,535424E+22	1,300665E+22	9,350918E+21	5,598326E+21	2,754653E+21	1,350189E+21	1,350238E+21	2,754839E+21	5,598671E+21
-507	9,351222E+21	1,300666E+22	1,535393E+22	1,535344E+22	1,300587E+22	9,350594E+21	5,598292E+21	2,754666E+21	1,350200E+21	1,350254E+21	2,754801E+21	5,598434E+21
-506	9,350705E+21	1,300595E+22	1,535356E+22	1,535378E+22	1,300633E+22	9,350953E+21	5,598650E+21	2,754983E+21	1,350390E+21	1,350310E+21	2,754707E+21	5,598228E+21
-505	9,350700E+21	1,300639E+22	1,535397E+22	1,535390E+22	1,300620E+22	9,350606E+21	5,598331E+21	2,754877E+21	1,350490E+21	1,350574E+21	2,755144E+21	5,598702E+21
-504	9,350803E+21	1,300591E+22	1,535303E+22	1,535286E+22	1,300575E+22	9,350714E+21	5,598623E+21	2,755165E+21	1,350703E+21	1,350696E+21	2,755118E+21	5,598432E+21
-503	9,350219E+21	1,300517E+22	1,535276E+22	1,535312E+22	1,300605E+22	9,350970E+21	5,598872E+21	2,755400E+21	1,350910E+21	1,350869E+21	2,755267E+21	5,598671E+21
-502	9,350753E+21	1,300566E+22	1,535262E+22	1,535244E+22	1,300522E+22	9,350329E+21	5,598542E+21	2,755321E+21	1,351011E+21	1,351061E+21	2,755651E+21	5,598959E+21
-501	9,350607E+21	1,300506E+22	1,535167E+22	1,535168E+22	1,300504E+22	9,350572E+21	5,598967E+21	2,755710E+21	1,351229E+21	1,351160E+21	2,755468E+21	5,598568E+21
-500	9,350187E+21	1,300500E+22	1,535216E+22	1,535223E+22	1,300530E+22	9,350560E+21	5,598860E+21	2,755685E+21	1,351312E+21	1,351317E+21	2,755719E+21	5,598972E+21
-499	9,350734E+21	1,300539E+22	1,535209E+22	1,535162E+22	1,300454E+22	9,350070E+21	5,598650E+21	2,755611E+21	1,351316E+21	1,351393E+21	2,755830E+21	5,598926E+21
-498	9,350300E+21	1,300460E+22	1,535147E+22	1,535178E+22	1,300511E+22	9,350578E+21	5,599023E+21	2,755844E+21	1,351387E+21	1,351308E+21	2,755585E+21	5,598617E+21
-497	9,350223E+21	1,300506E+22	1,535218E+22	1,535225E+22	1,300527E+22	9,350442E+21	5,598717E+21	2,755587E+21	1,351279E+21	1,351340E+21	2,755819E+21	5,599106E+21
-496	9,350733E+21	1,300520E+22	1,535183E+22	1,535163E+22	1,300489E+22	9,350429E+21	5,598795E+21	2,755574E+21	1,351181E+21	1,351182E+21	2,755553E+21	5,598697E+21
-495	9,350244E+21	1,300478E+22	1,535195E+22	1,535234E+22	1,300555E+22	9,350841E+21	5,599017E+21	2,755633E+21	1,351107E+21	1,351005E+21	2,755309E+21	5,598571E+21
-494	9,350625E+21	1,300570E+22	1,535270E+22	1,535252E+22	1,300527E+22	9,350326E+21	5,598520E+21	2,755275E+21	1,350924E+21	1,350994E+21	2,755499E+21	5,598839E+21
-493	9,350630E+21	1,300543E+22	1,535235E+22	1,535228E+22	1,300534E+22	9,350578E+21	5,598745E+21	2,755359E+21	1,350849E+21	1,350783E+21	2,755133E+21	5,598376E+21
-492	9,350175E+21	1,300525E+22	1,535289E+22	1,535321E+22	1,300602E+22	9,350850E+21	5,598704E+21	2,755230E+21	1,350752E+21	1,350724E+21	2,755171E+21	5,598677E+21
-491	9,350875E+21	1,300601E+22	1,535319E+22	1,535293E+22	1,300545E+22	9,350338E+21	5,598330E+21	2,754947E+21	1,350585E+21	1,350687E+21	2,755259E+21	5,598751E+21
-490	9,350718E+21	1,300556E+22	1,535262E+22	1,535284E+22	1,300583E+22	9,350784E+21	5,598684E+21	2,755151E+21	1,350611E+21	1,350542E+21	2,754921E+21	5,598308E+21
-489	9,350457E+21	1,300589E+22	1,535338E+22	1,535337E+22	1,300602E+22	9,350730E+21	5,598515E+21	2,755040E+21	1,350615E+21	1,350646E+21	2,755165E+21	5,598756E+21
-488	9,350970E+21	1,300611E+22	1,535319E+22	1,535279E+22	1,300541E+22	9,350433E+21	5,598471E+21	2,755079E+21	1,350671E+21	1,350709E+21	2,755158E+21	5,598507E+21
-487	9,350379E+21	1,300523E+22	1,535262E+22	1,535301E+22	1,300591E+22	9,350876E+21	5,598877E+21	2,755421E+21	1,350884E+21	1,350794E+21	2,755119E+21	5,598388E+21
-486	9,350426E+21	1,300563E+22	1,535285E+22	1,535284E+22	1,300556E+22	9,350440E+21	5,598530E+21	2,755300E+21	1,350985E+21	1,351080E+21	2,755612E+21	5,598951E+21
-485	9,350625E+21	1,300521E+22	1,535196E+22	1,535182E+22	1,300500E+22	9,350460E+21	5,598813E+21	2,755582E+21	1,351178E+21	1,351180E+21	2,755554E+21	5,598666E+21
-484	9,350094E+21	1,300455E+22	1,535165E+22	1,535202E+22	1,300533E+22	9,350751E+21	5,599060E+21	2,755819E+21	1,351388E+21	1,351352E+21	2,755695E+21	5,598868E+21
-483	9,350605E+21	1,300523E+22	1,535183E+22	1,535145E+22	1,300444E+22	9,350027E+21	5,598671E+21	2,755703E+21	1,351460E+21	1,351572E+21	2,756043E+21	5,599140E+21
-482	9,350473E+21	1,300461E+22	1,535095E+22	1,535089E+22	1,300440E+22	9,350290E+21	5,599063E+21	2,756058E+21	1,351664E+21	1,351608E+21	2,755844E+21	5,598671E+21
-481	9,349900E+21	1,300438E+22	1,535134E+22	1,535146E+22	1,300477E+22	9,350363E+21	5,599015E+21	2,756076E+21	1,351765E+21	1,351767E+21	2,756115E+21	5,599146E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,350506E+21	1,300473E+22	1,535119E+22	1,535093E+22	1,300418E+22	9,349981E+21	5,598816E+21	2,755980E+21	1,351751E+21	1,351821E+21	2,756194E+21	5,599088E+21
-479	9,350124E+21	1,300399E+22	1,535052E+22	1,535098E+22	1,300471E+22	9,350554E+21	5,599256E+21	2,756217E+21	1,351790E+21	1,351695E+21	2,755913E+21	5,598784E+21
-478	9,350110E+21	1,300457E+22	1,535128E+22	1,535128E+22	1,300462E+22	9,350261E+21	5,598900E+21	2,755946E+21	1,351669E+21	1,351720E+21	2,756136E+21	5,599235E+21
-477	9,350579E+21	1,300475E+22	1,535113E+22	1,535084E+22	1,300423E+22	9,350166E+21	5,598941E+21	2,755918E+21	1,351558E+21	1,351550E+21	2,755846E+21	5,598768E+21
-476	9,350013E+21	1,300427E+22	1,535121E+22	1,535163E+22	1,300505E+22	9,350642E+21	5,599142E+21	2,755966E+21	1,351497E+21	1,351401E+21	2,755653E+21	5,598675E+21
-475	9,350355E+21	1,300520E+22	1,535205E+22	1,535185E+22	1,300477E+22	9,350096E+21	5,598580E+21	2,755552E+21	1,351280E+21	1,351367E+21	2,755850E+21	5,599029E+21
-474	9,350486E+21	1,300492E+22	1,535159E+22	1,535158E+22	1,300491E+22	9,350417E+21	5,598811E+21	2,755604E+21	1,351181E+21	1,351143E+21	2,755466E+21	5,598541E+21
-473	9,350025E+21	1,300473E+22	1,535205E+22	1,535239E+22	1,300549E+22	9,350696E+21	5,598858E+21	2,755550E+21	1,351113E+21	1,351086E+21	2,755497E+21	5,598864E+21
-472	9,350793E+21	1,300555E+22	1,535238E+22	1,535220E+22	1,300501E+22	9,350200E+21	5,598491E+21	2,755296E+21	1,350975E+21	1,351059E+21	2,755552E+21	5,598858E+21
-471	9,350576E+21	1,300512E+22	1,535186E+22	1,535206E+22	1,300534E+22	9,350683E+21	5,598903E+21	2,755542E+21	1,351032E+21	1,350942E+21	2,755243E+21	5,598413E+21
-470	9,350232E+21	1,300535E+22	1,535258E+22	1,535251E+22	1,300536E+22	9,350483E+21	5,598686E+21	2,755450E+21	1,351081E+21	1,351108E+21	2,755561E+21	5,598895E+21
-469	9,350689E+21	1,300545E+22	1,535232E+22	1,535199E+22	1,300481E+22	9,350183E+21	5,598625E+21	2,755485E+21	1,351150E+21	1,351199E+21	2,755594E+21	5,598697E+21
-468	9,350130E+21	1,300450E+22	1,535150E+22	1,535201E+22	1,300535E+22	9,350733E+21	5,599066E+21	2,755832E+21	1,351374E+21	1,351304E+21	2,755591E+21	5,598626E+21
-467	9,350234E+21	1,300501E+22	1,535185E+22	1,535177E+22	1,300484E+22	9,350203E+21	5,598685E+21	2,755685E+21	1,351441E+21	1,351547E+21	2,756038E+21	5,599202E+21
-466	9,350560E+21	1,300472E+22	1,535102E+22	1,535080E+22	1,300428E+22	9,350191E+21	5,598943E+21	2,755955E+21	1,351626E+21	1,351633E+21	2,755931E+21	5,598798E+21
-465	9,349888E+21	1,300401E+22	1,535077E+22	1,535102E+22	1,300458E+22	9,350476E+21	5,599246E+21	2,756257E+21	1,351871E+21	1,351817E+21	2,756077E+21	5,598999E+21
-464	9,350350E+21	1,300461E+22	1,535101E+22	1,535073E+22	1,300395E+22	9,349816E+21	5,598836E+21	2,756132E+21	1,351952E+21	1,352046E+21	2,756425E+21	5,599252E+21
-463	9,350188E+21	1,300395E+22	1,535006E+22	1,535014E+22	1,300401E+22	9,350207E+21	5,599267E+21	2,756467E+21	1,352132E+21	1,352069E+21	2,756248E+21	5,598859E+21
-462	9,349667E+21	1,300369E+22	1,535034E+22	1,535052E+22	1,300419E+22	9,350213E+21	5,599203E+21	2,756463E+21	1,352212E+21	1,352219E+21	2,756523E+21	5,599363E+21
-461	9,350359E+21	1,300414E+22	1,535030E+22	1,535008E+22	1,300360E+22	9,349802E+21	5,599000E+21	2,756345E+21	1,352161E+21	1,352233E+21	2,756549E+21	5,599257E+21
-460	9,349999E+21	1,300348E+22	1,534959E+22	1,535004E+22	1,300415E+22	9,350411E+21	5,599435E+21	2,756577E+21	1,352193E+21	1,352095E+21	2,756252E+21	5,598898E+21
-459	9,349908E+21	1,300416E+22	1,535063E+22	1,535046E+22	1,300400E+22	9,350021E+21	5,599016E+21	2,756265E+21	1,352038E+21	1,352085E+21	2,756446E+21	5,599355E+21
-458	9,350404E+21	1,300431E+22	1,535051E+22	1,535019E+22	1,300371E+22	9,349901E+21	5,598993E+21	2,756197E+21	1,351914E+21	1,351919E+21	2,756162E+21	5,598860E+21
-457	9,349739E+21	1,300367E+22	1,535040E+22	1,535088E+22	1,300456E+22	9,350448E+21	5,599252E+21	2,756282E+21	1,351870E+21	1,351780E+21	2,756007E+21	5,598870E+21
-456	9,350192E+21	1,300459E+22	1,535118E+22	1,535117E+22	1,300442E+22	9,349991E+21	5,598708E+21	2,755857E+21	1,351645E+21	1,351733E+21	2,756174E+21	5,599216E+21
-455	9,350409E+21	1,300445E+22	1,535076E+22	1,535078E+22	1,300446E+22	9,350335E+21	5,598991E+21	2,755925E+21	1,351539E+21	1,351493E+21	2,755771E+21	5,598718E+21
-454	9,349959E+21	1,300433E+22	1,535128E+22	1,535146E+22	1,300483E+22	9,350465E+21	5,599007E+21	2,755899E+21	1,351502E+21	1,351462E+21	2,755804E+21	5,598983E+21
-453	9,350650E+21	1,300515E+22	1,535176E+22	1,535147E+22	1,300439E+22	9,349942E+21	5,598636E+21	2,755659E+21	1,351387E+21	1,351462E+21	2,755867E+21	5,598925E+21
-452	9,350310E+21	1,300456E+22	1,535107E+22	1,535133E+22	1,300486E+22	9,350505E+21	5,599062E+21	2,755931E+21	1,351486E+21	1,351401E+21	2,755636E+21	5,598524E+21
-451	9,349904E+21	1,300472E+22	1,535178E+22	1,535172E+22	1,300485E+22	9,350298E+21	5,598819E+21	2,755812E+21	1,351519E+21	1,351561E+21	2,755974E+21	5,599098E+21
-450	9,350484E+21	1,300479E+22	1,535138E+22	1,535111E+22	1,300428E+22	9,350016E+21	5,598763E+21	2,755835E+21	1,351583E+21	1,351653E+21	2,756001E+21	5,598884E+21
-449	9,349920E+21	1,300383E+22	1,535044E+22	1,535094E+22	1,300468E+22	9,350555E+21	5,599283E+21	2,756255E+21	1,351839E+21	1,351764E+21	2,756001E+21	5,598848E+21
-448	9,350101E+21	1,300440E+22	1,535084E+22	1,535082E+22	1,300425E+22	9,350016E+21	5,598884E+21	2,756119E+21	1,351925E+21	1,352011E+21	2,756410E+21	5,599345E+21
-447	9,350382E+21	1,300418E+22	1,535014E+22	1,534986E+22	1,300365E+22	9,350008E+21	5,599160E+21	2,756403E+21	1,352120E+21	1,352109E+21	2,756330E+21	5,598960E+21
-446	9,349654E+21	1,300340E+22	1,534989E+22	1,535008E+22	1,300386E+22	9,350162E+21	5,599393E+21	2,756697E+21	1,352385E+21	1,352327E+21	2,756524E+21	5,599195E+21
-445	9,350110E+21	1,300393E+22	1,535009E+22	1,534989E+22	1,300336E+22	9,349584E+21	5,598987E+21	2,756538E+21	1,352441E+21	1,352547E+21	2,756871E+21	5,599467E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,349989E+21	1,300326E+22	1,534903E+22	1,534920E+22	1,300349E+22	9,350094E+21	5,599454E+21	2,756856E+21	1,352595E+21	1,352549E+21	2,756686E+21	5,599079E+21
-443	9,349525E+21	1,300318E+22	1,534948E+22	1,534955E+22	1,300354E+22	9,350008E+21	5,599349E+21	2,756805E+21	1,352613E+21	1,352624E+21	2,756876E+21	5,599546E+21
-442	9,350271E+21	1,300371E+22	1,534952E+22	1,534921E+22	1,300300E+22	9,349582E+21	5,599108E+21	2,756659E+21	1,352535E+21	1,352605E+21	2,756838E+21	5,599315E+21
-441	9,349759E+21	1,300298E+22	1,534887E+22	1,534922E+22	1,300356E+22	9,350201E+21	5,599587E+21	2,756930E+21	1,352581E+21	1,352470E+21	2,756558E+21	5,598989E+21
-440	9,349652E+21	1,300354E+22	1,534987E+22	1,534986E+22	1,300362E+22	9,349857E+21	5,599137E+21	2,756599E+21	1,352425E+21	1,352458E+21	2,756747E+21	5,599443E+21
-439	9,350160E+21	1,300372E+22	1,534971E+22	1,534951E+22	1,300336E+22	9,349833E+21	5,599152E+21	2,756516E+21	1,352278E+21	1,352282E+21	2,756497E+21	5,599052E+21
-438	9,349587E+21	1,300310E+22	1,534956E+22	1,535001E+22	1,300398E+22	9,350252E+21	5,599381E+21	2,756597E+21	1,352236E+21	1,352151E+21	2,756348E+21	5,599082E+21
-437	9,350130E+21	1,300414E+22	1,535043E+22	1,535037E+22	1,300385E+22	9,349799E+21	5,598855E+21	2,756174E+21	1,352005E+21	1,352095E+21	2,756481E+21	5,599363E+21
-436	9,350332E+21	1,300407E+22	1,535003E+22	1,534995E+22	1,300394E+22	9,350183E+21	5,599144E+21	2,756261E+21	1,351924E+21	1,351878E+21	2,756090E+21	5,598812E+21
-435	9,349780E+21	1,300399E+22	1,535072E+22	1,535072E+22	1,300424E+22	9,350222E+21	5,599116E+21	2,756226E+21	1,351889E+21	1,351849E+21	2,756122E+21	5,599080E+21
-434	9,350431E+21	1,300465E+22	1,535111E+22	1,535084E+22	1,300394E+22	9,349717E+21	5,598714E+21	2,755988E+21	1,351800E+21	1,351883E+21	2,756218E+21	5,599016E+21
-433	9,349986E+21	1,300385E+22	1,535016E+22	1,535050E+22	1,300438E+22	9,350364E+21	5,599233E+21	2,756321E+21	1,351938E+21	1,351860E+21	2,756058E+21	5,598744E+21
-432	9,349680E+21	1,300392E+22	1,535070E+22	1,535086E+22	1,300442E+22	9,350204E+21	5,599023E+21	2,756217E+21	1,351982E+21	1,352020E+21	2,756370E+21	5,599300E+21
-431	9,350341E+21	1,300417E+22	1,535034E+22	1,535008E+22	1,300368E+22	9,349901E+21	5,599004E+21	2,756264E+21	1,352049E+21	1,352108E+21	2,756406E+21	5,599107E+21
-430	9,349790E+21	1,300326E+22	1,534945E+22	1,534978E+22	1,300383E+22	9,350246E+21	5,599462E+21	2,756699E+21	1,352337E+21	1,352251E+21	2,756410E+21	5,599028E+21
-429	9,349937E+21	1,300386E+22	1,535002E+22	1,534986E+22	1,300349E+22	9,349714E+21	5,599051E+21	2,756554E+21	1,352431E+21	1,352514E+21	2,756827E+21	5,599487E+21
-428	9,350142E+21	1,300356E+22	1,534924E+22	1,534896E+22	1,300306E+22	9,349779E+21	5,599307E+21	2,756824E+21	1,352631E+21	1,352632E+21	2,756787E+21	5,599125E+21
-427	9,349393E+21	1,300278E+22	1,534901E+22	1,534919E+22	1,300329E+22	9,349949E+21	5,599510E+21	2,757063E+21	1,352843E+21	1,352803E+21	2,756955E+21	5,599424E+21
-426	9,349962E+21	1,300333E+22	1,534919E+22	1,534904E+22	1,300285E+22	9,349411E+21	5,599109E+21	2,756880E+21	1,352864E+21	1,352982E+21	2,757245E+21	5,599629E+21
-425	9,349799E+21	1,300265E+22	1,534808E+22	1,534823E+22	1,300291E+22	9,349954E+21	5,599661E+21	2,757245E+21	1,353015E+21	1,352960E+21	2,757041E+21	5,599250E+21
-424	9,349368E+21	1,300258E+22	1,534860E+22	1,534875E+22	1,300306E+22	9,349888E+21	5,599549E+21	2,757188E+21	1,353024E+21	1,353011E+21	2,757168E+21	5,599608E+21
-423	9,350051E+21	1,300321E+22	1,534879E+22	1,534843E+22	1,300248E+22	9,349451E+21	5,599309E+21	2,757037E+21	1,352938E+21	1,352990E+21	2,757163E+21	5,599423E+21
-422	9,349493E+21	1,300237E+22	1,534807E+22	1,534838E+22	1,300293E+22	9,349927E+21	5,599699E+21	2,757287E+21	1,352997E+21	1,352883E+21	2,756925E+21	5,599158E+21
-421	9,349463E+21	1,300293E+22	1,534903E+22	1,534906E+22	1,300311E+22	9,349675E+21	5,599251E+21	2,756915E+21	1,352816E+21	1,352863E+21	2,757113E+21	5,599637E+21
-420	9,350047E+21	1,300317E+22	1,534883E+22	1,534866E+22	1,300287E+22	9,349700E+21	5,599282E+21	2,756823E+21	1,352652E+21	1,352673E+21	2,756855E+21	5,599244E+21
-419	9,349541E+21	1,300277E+22	1,534889E+22	1,534919E+22	1,300338E+22	9,350017E+21	5,599465E+21	2,756874E+21	1,352574E+21	1,352493E+21	2,756645E+21	5,599240E+21
-418	9,350090E+21	1,300383E+22	1,534987E+22	1,534968E+22	1,300333E+22	9,349571E+21	5,598926E+21	2,756458E+21	1,352350E+21	1,352434E+21	2,756737E+21	5,599391E+21
-417	9,350087E+21	1,300361E+22	1,534945E+22	1,534929E+22	1,300345E+22	9,350011E+21	5,599294E+21	2,756608E+21	1,352312E+21	1,352260E+21	2,756407E+21	5,598899E+21
-416	9,349496E+21	1,300331E+22	1,534996E+22	1,535017E+22	1,300394E+22	9,350126E+21	5,599274E+21	2,756585E+21	1,352304E+21	1,352256E+21	2,756453E+21	5,599161E+21
-415	9,350131E+21	1,300396E+22	1,535022E+22	1,535007E+22	1,300357E+22	9,349701E+21	5,598932E+21	2,756364E+21	1,352223E+21	1,352309E+21	2,756613E+21	5,599225E+21
-414	9,349781E+21	1,300314E+22	1,534913E+22	1,534945E+22	1,300371E+22	9,350172E+21	5,599423E+21	2,756724E+21	1,352396E+21	1,352320E+21	2,756479E+21	5,598995E+21
-413	9,349599E+21	1,300331E+22	1,534966E+22	1,534976E+22	1,300369E+22	9,349997E+21	5,599223E+21	2,756630E+21	1,352451E+21	1,352488E+21	2,756772E+21	5,599490E+21
-412	9,350231E+21	1,300364E+22	1,534938E+22	1,534900E+22	1,300296E+22	9,349672E+21	5,599187E+21	2,756694E+21	1,352542E+21	1,352604E+21	2,756830E+21	5,599268E+21
-411	9,349630E+21	1,300282E+22	1,534872E+22	1,534883E+22	1,300304E+22	9,349876E+21	5,599552E+21	2,757088E+21	1,352815E+21	1,352736E+21	2,756831E+21	5,599203E+21
-410	9,349739E+21	1,300328E+22	1,534922E+22	1,534906E+22	1,300290E+22	9,349413E+21	5,599118E+21	2,756927E+21	1,352908E+21	1,353002E+21	2,757245E+21	5,599634E+21
-409	9,349856E+21	1,300284E+22	1,534829E+22	1,534807E+22	1,300254E+22	9,349632E+21	5,599477E+21	2,757223E+21	1,353107E+21	1,353120E+21	2,757233E+21	5,599363E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,349215E+21	1,300203E+22	1,534798E+22	1,534834E+22	1,300284E+22	9,349866E+21	5,599722E+21	2,757465E+21	1,353299E+21	1,353249E+21	2,757323E+21	5,599569E+21
-407	9,349801E+21	1,300276E+22	1,534826E+22	1,534810E+22	1,300232E+22	9,349347E+21	5,599366E+21	2,757298E+21	1,353302E+21	1,353399E+21	2,757594E+21	5,599770E+21
-406	9,349595E+21	1,300207E+22	1,534720E+22	1,534722E+22	1,300216E+22	9,349704E+21	5,599851E+21	2,757665E+21	1,353471E+21	1,353393E+21	2,757389E+21	5,599362E+21
-405	9,349141E+21	1,300197E+22	1,534778E+22	1,534790E+22	1,300243E+22	9,349663E+21	5,599717E+21	2,757579E+21	1,353469E+21	1,353448E+21	2,757525E+21	5,599697E+21
-404	9,349769E+21	1,300255E+22	1,534791E+22	1,534763E+22	1,300198E+22	9,349279E+21	5,599444E+21	2,757394E+21	1,353366E+21	1,353431E+21	2,757559E+21	5,599579E+21
-403	9,349296E+21	1,300185E+22	1,534729E+22	1,534756E+22	1,300236E+22	9,349695E+21	5,599762E+21	2,757565E+21	1,353360E+21	1,353270E+21	2,757293E+21	5,599386E+21
-402	9,349409E+21	1,300248E+22	1,534829E+22	1,534832E+22	1,300261E+22	9,349475E+21	5,599315E+21	2,757178E+21	1,353150E+21	1,353209E+21	2,757416E+21	5,599785E+21
-401	9,349955E+21	1,300275E+22	1,534812E+22	1,534789E+22	1,300237E+22	9,349558E+21	5,599421E+21	2,757125E+21	1,352994E+21	1,353012E+21	2,757151E+21	5,599390E+21
-400	9,349445E+21	1,300233E+22	1,534825E+22	1,534860E+22	1,300299E+22	9,349907E+21	5,599619E+21	2,757194E+21	1,352929E+21	1,352829E+21	2,756894E+21	5,599271E+21
-399	9,349877E+21	1,300341E+22	1,534929E+22	1,534909E+22	1,300294E+22	9,349487E+21	5,599116E+21	2,756809E+21	1,352729E+21	1,352801E+21	2,757048E+21	5,599481E+21
-398	9,349787E+21	1,300296E+22	1,534864E+22	1,534853E+22	1,300291E+22	9,349812E+21	5,599438E+21	2,756979E+21	1,352743E+21	1,352690E+21	2,756792E+21	5,599080E+21
-397	9,349290E+21	1,300259E+22	1,534897E+22	1,534928E+22	1,300342E+22	9,350022E+21	5,599460E+21	2,756954E+21	1,352743E+21	1,352710E+21	2,756863E+21	5,599362E+21
-396	9,349974E+21	1,300331E+22	1,534917E+22	1,534903E+22	1,300295E+22	9,349559E+21	5,599127E+21	2,756752E+21	1,352673E+21	1,352773E+21	2,757030E+21	5,599434E+21
-395	9,349709E+21	1,300270E+22	1,534824E+22	1,534837E+22	1,300289E+22	9,349856E+21	5,599533E+21	2,757085E+21	1,352829E+21	1,352759E+21	2,756861E+21	5,599189E+21
-394	9,349535E+21	1,300291E+22	1,534891E+22	1,534885E+22	1,300296E+22	9,349661E+21	5,599299E+21	2,756995E+21	1,352897E+21	1,352929E+21	2,757123E+21	5,599576E+21
-393	9,349982E+21	1,300308E+22	1,534860E+22	1,534817E+22	1,300233E+22	9,349409E+21	5,599325E+21	2,757098E+21	1,353018E+21	1,353079E+21	2,757240E+21	5,599420E+21
-392	9,349358E+21	1,300209E+22	1,534785E+22	1,534817E+22	1,300263E+22	9,349735E+21	5,599712E+21	2,757487E+21	1,353290E+21	1,353208E+21	2,757227E+21	5,599335E+21
-391	9,349468E+21	1,300259E+22	1,534829E+22	1,534824E+22	1,300247E+22	9,349384E+21	5,599362E+21	2,757343E+21	1,353372E+21	1,353467E+21	2,757668E+21	5,599838E+21
-390	9,349619E+21	1,300210E+22	1,534725E+22	1,534705E+22	1,300187E+22	9,349468E+21	5,599709E+21	2,757664E+21	1,353593E+21	1,353598E+21	2,757651E+21	5,599576E+21
-389	9,349084E+21	1,300140E+22	1,534693E+22	1,534728E+22	1,300219E+22	9,349737E+21	5,599963E+21	2,757897E+21	1,353777E+21	1,353719E+21	2,757707E+21	5,599692E+21
-388	9,349587E+21	1,300218E+22	1,534731E+22	1,534708E+22	1,300165E+22	9,349171E+21	5,599580E+21	2,757728E+21	1,353781E+21	1,353870E+21	2,757983E+21	5,599883E+21
-387	9,349379E+21	1,300157E+22	1,534643E+22	1,534634E+22	1,300142E+22	9,349362E+21	5,599937E+21	2,758024E+21	1,353908E+21	1,353837E+21	2,757783E+21	5,599538E+21
-386	9,348959E+21	1,300140E+22	1,534696E+22	1,534714E+22	1,300187E+22	9,349372E+21	5,599753E+21	2,757890E+21	1,353874E+21	1,353865E+21	2,757899E+21	5,599861E+21
-385	9,349562E+21	1,300193E+22	1,534703E+22	1,534682E+22	1,300149E+22	9,349125E+21	5,599562E+21	2,757702E+21	1,353743E+21	1,353827E+21	2,757944E+21	5,599831E+21
-384	9,349235E+21	1,300131E+22	1,534648E+22	1,534688E+22	1,300193E+22	9,349577E+21	5,599895E+21	2,757855E+21	1,353702E+21	1,353610E+21	2,757582E+21	5,599526E+21
-383	9,349351E+21	1,300215E+22	1,534764E+22	1,534760E+22	1,300216E+22	9,349401E+21	5,599505E+21	2,757495E+21	1,353486E+21	1,353531E+21	2,757686E+21	5,599885E+21
-382	9,349787E+21	1,300234E+22	1,534751E+22	1,534717E+22	1,300178E+22	9,349349E+21	5,599569E+21	2,757468E+21	1,353372E+21	1,353372E+21	2,757433E+21	5,599465E+21
-381	9,349246E+21	1,300183E+22	1,534755E+22	1,534791E+22	1,300251E+22	9,349772E+21	5,599782E+21	2,757541E+21	1,353329E+21	1,353224E+21	2,757209E+21	5,599314E+21
-380	9,349551E+21	1,300275E+22	1,534844E+22	1,534837E+22	1,300253E+22	9,349400E+21	5,599292E+21	2,757169E+21	1,353148E+21	1,353226E+21	2,757417E+21	5,599612E+21
-379	9,349572E+21	1,300239E+22	1,534778E+22	1,534767E+22	1,300230E+22	9,349589E+21	5,599545E+21	2,757296E+21	1,353135E+21	1,353102E+21	2,757182E+21	5,599312E+21
-378	9,349203E+21	1,300205E+22	1,534804E+22	1,534836E+22	1,300279E+22	9,349778E+21	5,599564E+21	2,757284E+21	1,353140E+21	1,353112E+21	2,757216E+21	5,599524E+21
-377	9,349835E+21	1,300279E+22	1,534827E+22	1,534807E+22	1,300230E+22	9,349362E+21	5,599295E+21	2,757125E+21	1,353096E+21	1,353196E+21	2,757408E+21	5,599622E+21
-376	9,349582E+21	1,300219E+22	1,534748E+22	1,534759E+22	1,300230E+22	9,349630E+21	5,599681E+21	2,757466E+21	1,353271E+21	1,353190E+21	2,757204E+21	5,599274E+21
-375	9,349303E+21	1,300241E+22	1,534819E+22	1,534811E+22	1,300242E+22	9,349481E+21	5,599485E+21	2,757410E+21	1,353365E+21	1,353393E+21	2,757530E+21	5,599718E+21
-374	9,349663E+21	1,300234E+22	1,534767E+22	1,534732E+22	1,300173E+22	9,349182E+21	5,599483E+21	2,757531E+21	1,353532E+21	1,353593E+21	2,757697E+21	5,599642E+21
-373	9,349147E+21	1,300133E+22	1,534673E+22	1,534716E+22	1,300208E+22	9,349649E+21	5,599940E+21	2,757919E+21	1,353800E+21	1,353728E+21	2,757683E+21	5,599538E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,349258E+21	1,300187E+22	1,534717E+22	1,534716E+22	1,300184E+22	9,349282E+21	5,599627E+21	2,757801E+21	1,353880E+21	1,353974E+21	2,758101E+21	5,600027E+21
-371	9,349489E+21	1,300158E+22	1,534628E+22	1,534597E+22	1,300106E+22	9,349178E+21	5,599870E+21	2,758073E+21	1,354064E+21	1,354069E+21	2,758054E+21	5,599755E+21
-370	9,348946E+21	1,300089E+22	1,534607E+22	1,534635E+22	1,300147E+22	9,349422E+21	5,600073E+21	2,758283E+21	1,354232E+21	1,354167E+21	2,758072E+21	5,599783E+21
-369	9,349289E+21	1,300154E+22	1,534646E+22	1,534625E+22	1,300105E+22	9,348936E+21	5,599715E+21	2,758105E+21	1,354224E+21	1,354319E+21	2,758387E+21	5,600060E+21
-368	9,349137E+21	1,300088E+22	1,534557E+22	1,534566E+22	1,300099E+22	9,349197E+21	5,600049E+21	2,758351E+21	1,354308E+21	1,354242E+21	2,758141E+21	5,599702E+21
-367	9,348798E+21	1,300088E+22	1,534617E+22	1,534639E+22	1,300143E+22	9,349290E+21	5,599931E+21	2,758214E+21	1,354238E+21	1,354236E+21	2,758251E+21	5,600066E+21
-366	9,349432E+21	1,300140E+22	1,534619E+22	1,534598E+22	1,300091E+22	9,348945E+21	5,599722E+21	2,758043E+21	1,354120E+21	1,354193E+21	2,758261E+21	5,600012E+21
-365	9,349189E+21	1,300092E+22	1,534572E+22	1,534606E+22	1,300144E+22	9,349484E+21	5,600081E+21	2,758191E+21	1,354076E+21	1,353973E+21	2,757866E+21	5,599594E+21
-364	9,349164E+21	1,300175E+22	1,534699E+22	1,534687E+22	1,300164E+22	9,349269E+21	5,599696E+21	2,757854E+21	1,353877E+21	1,353908E+21	2,757977E+21	5,599927E+21
-363	9,349547E+21	1,300190E+22	1,534688E+22	1,534651E+22	1,300121E+22	9,349068E+21	5,599648E+21	2,757779E+21	1,353751E+21	1,353757E+21	2,757769E+21	5,599592E+21
-362	9,349031E+21	1,300126E+22	1,534675E+22	1,534723E+22	1,300207E+22	9,349551E+21	5,599840E+21	2,757837E+21	1,353707E+21	1,353614E+21	2,757558E+21	5,599453E+21
-361	9,349297E+21	1,300208E+22	1,534749E+22	1,534752E+22	1,300204E+22	9,349273E+21	5,599440E+21	2,757492E+21	1,353532E+21	1,353626E+21	2,757799E+21	5,599844E+21
-360	9,349463E+21	1,300180E+22	1,534689E+22	1,534688E+22	1,300177E+22	9,349424E+21	5,599697E+21	2,757628E+21	1,353517E+21	1,353481E+21	2,757506E+21	5,599468E+21
-359	9,349118E+21	1,300167E+22	1,534729E+22	1,534750E+22	1,300218E+22	9,349603E+21	5,599755E+21	2,757657E+21	1,353543E+21	1,353506E+21	2,757556E+21	5,599653E+21
-358	9,349614E+21	1,300227E+22	1,534749E+22	1,534720E+22	1,300160E+22	9,349079E+21	5,599450E+21	2,757536E+21	1,353562E+21	1,353648E+21	2,757783E+21	5,599760E+21
-357	9,349361E+21	1,300160E+22	1,534661E+22	1,534677E+22	1,300176E+22	9,349463E+21	5,599850E+21	2,757873E+21	1,353761E+21	1,353684E+21	2,757620E+21	5,599397E+21
-356	9,348987E+21	1,300169E+22	1,534720E+22	1,534723E+22	1,300192E+22	9,349375E+21	5,599698E+21	2,757840E+21	1,353869E+21	1,353905E+21	2,757974E+21	5,599909E+21
-355	9,349461E+21	1,300169E+22	1,534666E+22	1,534635E+22	1,300107E+22	9,348960E+21	5,599642E+21	2,757926E+21	1,354008E+21	1,354087E+21	2,758150E+21	5,599902E+21
-354	9,349049E+21	1,300074E+22	1,534569E+22	1,534615E+22	1,300142E+22	9,349415E+21	5,600099E+21	2,758323E+21	1,354268E+21	1,354195E+21	2,758086E+21	5,599707E+21
-353	9,349052E+21	1,300126E+22	1,534617E+22	1,534613E+22	1,300117E+22	9,349099E+21	5,599841E+21	2,758229E+21	1,354353E+21	1,354441E+21	2,758507E+21	5,600206E+21
-352	9,349295E+21	1,300099E+22	1,534546E+22	1,534514E+22	1,300043E+22	9,348939E+21	5,600041E+21	2,758479E+21	1,354523E+21	1,354516E+21	2,758422E+21	5,599868E+21
-351	9,348703E+21	1,300034E+22	1,534526E+22	1,534554E+22	1,300090E+22	9,349217E+21	5,600244E+21	2,758678E+21	1,354678E+21	1,354614E+21	2,758479E+21	5,599951E+21
-350	9,348996E+21	1,300082E+22	1,534550E+22	1,534537E+22	1,300046E+22	9,348717E+21	5,599852E+21	2,758486E+21	1,354676E+21	1,354773E+21	2,758802E+21	5,600304E+21
-349	9,349027E+21	1,300029E+22	1,534459E+22	1,534470E+22	1,300046E+22	9,349088E+21	5,600216E+21	2,758699E+21	1,354728E+21	1,354669E+21	2,758512E+21	5,599880E+21
-348	9,348676E+21	1,300039E+22	1,534531E+22	1,534549E+22	1,300087E+22	9,349165E+21	5,600133E+21	2,758584E+21	1,354644E+21	1,354629E+21	2,758567E+21	5,600198E+21
-347	9,349358E+21	1,300107E+22	1,534553E+22	1,534519E+22	1,300027E+22	9,348665E+21	5,599820E+21	2,758361E+21	1,354492E+21	1,354557E+21	2,758552E+21	5,600111E+21
-346	9,349043E+21	1,300054E+22	1,534511E+22	1,534541E+22	1,300090E+22	9,349210E+21	5,600157E+21	2,758501E+21	1,354441E+21	1,354328E+21	2,758142E+21	5,599616E+21
-345	9,348820E+21	1,300114E+22	1,534628E+22	1,534626E+22	1,300125E+22	9,349133E+21	5,599830E+21	2,758173E+21	1,354249E+21	1,354284E+21	2,758309E+21	5,600043E+21
-344	9,349257E+21	1,300123E+22	1,534612E+22	1,534593E+22	1,300086E+22	9,348963E+21	5,599775E+21	2,758074E+21	1,354105E+21	1,354119E+21	2,758089E+21	5,599733E+21
-343	9,348847E+21	1,300073E+22	1,534592E+22	1,534644E+22	1,300162E+22	9,349473E+21	5,600026E+21	2,758156E+21	1,354062E+21	1,353980E+21	2,757909E+21	5,599649E+21
-342	9,349133E+21	1,300148E+22	1,534655E+22	1,534659E+22	1,300143E+22	9,349080E+21	5,599607E+21	2,757855E+21	1,353935E+21	1,354021E+21	2,758148E+21	5,600050E+21
-341	9,349408E+21	1,300136E+22	1,534601E+22	1,534590E+22	1,300117E+22	9,349268E+21	5,599869E+21	2,758001E+21	1,353948E+21	1,353907E+21	2,757856E+21	5,599586E+21
-340	9,348925E+21	1,300120E+22	1,534655E+22	1,534665E+22	1,300155E+22	9,349382E+21	5,599941E+21	2,758075E+21	1,354013E+21	1,353966E+21	2,757931E+21	5,599780E+21
-339	9,349407E+21	1,300174E+22	1,534671E+22	1,534641E+22	1,300095E+22	9,348748E+21	5,599535E+21	2,757912E+21	1,354030E+21	1,354129E+21	2,758215E+21	5,599970E+21
-338	9,349174E+21	1,300098E+22	1,534569E+22	1,534593E+22	1,300122E+22	9,349221E+21	5,599953E+21	2,758244E+21	1,354225E+21	1,354166E+21	2,758056E+21	5,599601E+21
-337	9,348752E+21	1,300098E+22	1,534615E+22	1,534626E+22	1,300136E+22	9,349254E+21	5,599908E+21	2,758245E+21	1,354337E+21	1,354386E+21	2,758415E+21	5,600151E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,349311E+21	1,300106E+22	1,534570E+22	1,534543E+22	1,300048E+22	9,348794E+21	5,599849E+21	2,758337E+21	1,354468E+21	1,354537E+21	2,758522E+21	5,600054E+21
-335	9,348904E+21	1,300028E+22	1,534484E+22	1,534518E+22	1,300077E+22	9,349241E+21	5,600327E+21	2,758755E+21	1,354733E+21	1,354650E+21	2,758470E+21	5,599830E+21
-334	9,348749E+21	1,300058E+22	1,534524E+22	1,534517E+22	1,300046E+22	9,348823E+21	5,600026E+21	2,758683E+21	1,354857E+21	1,354925E+21	2,758905E+21	5,600348E+21
-333	9,349031E+21	1,300030E+22	1,534446E+22	1,534422E+22	1,299988E+22	9,348775E+21	5,600212E+21	2,758896E+21	1,355016E+21	1,355009E+21	2,758842E+21	5,600015E+21
-332	9,348415E+21	1,299964E+22	1,534430E+22	1,534462E+22	1,300033E+22	9,349060E+21	5,600431E+21	2,759084E+21	1,355147E+21	1,355083E+21	2,758887E+21	5,600157E+21
-331	9,348860E+21	1,300024E+22	1,534457E+22	1,534442E+22	1,299980E+22	9,348459E+21	5,599968E+21	2,758828E+21	1,355090E+21	1,355198E+21	2,759188E+21	5,600538E+21
-330	9,348987E+21	1,299986E+22	1,534377E+22	1,534386E+22	1,299989E+22	9,348849E+21	5,600316E+21	2,759018E+21	1,355105E+21	1,355046E+21	2,758828E+21	5,600005E+21
-329	9,348523E+21	1,299995E+22	1,534459E+22	1,534470E+22	1,300035E+22	9,349011E+21	5,600288E+21	2,758916E+21	1,355017E+21	1,354996E+21	2,758869E+21	5,600298E+21
-328	9,349149E+21	1,300059E+22	1,534496E+22	1,534465E+22	1,299984E+22	9,348483E+21	5,599943E+21	2,758675E+21	1,354852E+21	1,354905E+21	2,758825E+21	5,600162E+21
-327	9,348789E+21	1,300006E+22	1,534448E+22	1,534483E+22	1,300054E+22	9,349078E+21	5,600291E+21	2,758813E+21	1,354800E+21	1,354696E+21	2,758480E+21	5,599742E+21
-326	9,348499E+21	1,300038E+22	1,534535E+22	1,534547E+22	1,300080E+22	9,348996E+21	5,599971E+21	2,758506E+21	1,354637E+21	1,354676E+21	2,758669E+21	5,600254E+21
-325	9,349134E+21	1,300063E+22	1,534512E+22	1,534497E+22	1,300038E+22	9,348895E+21	5,599951E+21	2,758406E+21	1,354494E+21	1,354515E+21	2,758442E+21	5,599916E+21
-324	9,348745E+21	1,300026E+22	1,534506E+22	1,534547E+22	1,300099E+22	9,349303E+21	5,600219E+21	2,758528E+21	1,354469E+21	1,354376E+21	2,758236E+21	5,599813E+21
-323	9,349087E+21	1,300113E+22	1,534583E+22	1,534568E+22	1,300069E+22	9,348749E+21	5,599700E+21	2,758198E+21	1,354343E+21	1,354429E+21	2,758490E+21	5,600203E+21
-322	9,349300E+21	1,300097E+22	1,534536E+22	1,534516E+22	1,300056E+22	9,348933E+21	5,599929E+21	2,758341E+21	1,354366E+21	1,354329E+21	2,758206E+21	5,599683E+21
-321	9,348637E+21	1,300059E+22	1,534576E+22	1,534593E+22	1,300109E+22	9,349204E+21	5,600070E+21	2,758437E+21	1,354451E+21	1,354416E+21	2,758334E+21	5,599956E+21
-320	9,349151E+21	1,300106E+22	1,534589E+22	1,534572E+22	1,300053E+22	9,348621E+21	5,599693E+21	2,758274E+21	1,354461E+21	1,354567E+21	2,758598E+21	5,600147E+21
-319	9,348993E+21	1,300039E+22	1,534478E+22	1,534504E+22	1,300070E+22	9,349130E+21	5,600189E+21	2,758649E+21	1,354669E+21	1,354616E+21	2,758465E+21	5,599792E+21
-318	9,348515E+21	1,300024E+22	1,534508E+22	1,534522E+22	1,300072E+22	9,349096E+21	5,600154E+21	2,758707E+21	1,354833E+21	1,354862E+21	2,758812E+21	5,600327E+21
-317	9,349149E+21	1,300048E+22	1,534468E+22	1,534432E+22	1,299982E+22	9,348651E+21	5,600087E+21	2,758803E+21	1,354985E+21	1,355040E+21	2,758926E+21	5,600160E+21
-316	9,348607E+21	1,299964E+22	1,534392E+22	1,534416E+22	1,300005E+22	9,349000E+21	5,600547E+21	2,759237E+21	1,355266E+21	1,355166E+21	2,758892E+21	5,599985E+21
-315	9,348508E+21	1,299988E+22	1,534427E+22	1,534422E+22	1,299974E+22	9,348474E+21	5,600110E+21	2,759084E+21	1,355358E+21	1,355437E+21	2,759368E+21	5,600593E+21
-314	9,348871E+21	1,299964E+22	1,534346E+22	1,534326E+22	1,299925E+22	9,348482E+21	5,600290E+21	2,759253E+21	1,355469E+21	1,355481E+21	2,759274E+21	5,600247E+21
-313	9,348261E+21	1,299901E+22	1,534333E+22	1,534367E+22	1,299975E+22	9,348888E+21	5,600585E+21	2,759438E+21	1,355566E+21	1,355515E+21	2,759284E+21	5,600388E+21
-312	9,348775E+21	1,299978E+22	1,534384E+22	1,534365E+22	1,299926E+22	9,348278E+21	5,600114E+21	2,759164E+21	1,355472E+21	1,355569E+21	2,759486E+21	5,600646E+21
-311	9,348866E+21	1,299953E+22	1,534320E+22	1,534315E+22	1,299939E+22	9,348699E+21	5,600482E+21	2,759351E+21	1,355474E+21	1,355411E+21	2,759127E+21	5,600064E+21
-310	9,348216E+21	1,299934E+22	1,534387E+22	1,534402E+22	1,299987E+22	9,348840E+21	5,600443E+21	2,759274E+21	1,355416E+21	1,355379E+21	2,759175E+21	5,600375E+21
-309	9,348884E+21	1,299996E+22	1,534410E+22	1,534391E+22	1,299951E+22	9,348437E+21	5,600099E+21	2,759009E+21	1,355245E+21	1,355300E+21	2,759158E+21	5,600261E+21
-308	9,348515E+21	1,299941E+22	1,534362E+22	1,534400E+22	1,300007E+22	9,348999E+21	5,600482E+21	2,759160E+21	1,355189E+21	1,355082E+21	2,758820E+21	5,599939E+21
-307	9,348414E+21	1,299982E+22	1,534445E+22	1,534456E+22	1,300018E+22	9,348758E+21	5,600078E+21	2,758814E+21	1,355004E+21	1,355052E+21	2,759014E+21	5,600477E+21
-306	9,349130E+21	1,300024E+22	1,534435E+22	1,534410E+22	1,299976E+22	9,348623E+21	5,600040E+21	2,758715E+21	1,354855E+21	1,354881E+21	2,758760E+21	5,600063E+21
-305	9,348641E+21	1,299987E+22	1,534441E+22	1,534467E+22	1,300039E+22	9,349076E+21	5,600340E+21	2,758858E+21	1,354854E+21	1,354764E+21	2,758570E+21	5,599945E+21
-304	9,348902E+21	1,300068E+22	1,534530E+22	1,534509E+22	1,300019E+22	9,348509E+21	5,599804E+21	2,758531E+21	1,354739E+21	1,354822E+21	2,758814E+21	5,600300E+21
-303	9,349082E+21	1,300048E+22	1,534473E+22	1,534453E+22	1,300016E+22	9,348784E+21	5,600058E+21	2,758681E+21	1,354780E+21	1,354761E+21	2,758601E+21	5,599841E+21
-302	9,348344E+21	1,299981E+22	1,534476E+22	1,534506E+22	1,300060E+22	9,349091E+21	5,600258E+21	2,758835E+21	1,354913E+21	1,354877E+21	2,758736E+21	5,600155E+21
-301	9,348988E+21	1,300038E+22	1,534478E+22	1,534467E+22	1,300003E+22	9,348581E+21	5,599939E+21	2,758706E+21	1,354946E+21	1,355045E+21	2,758995E+21	5,600303E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,348794E+21	1,299979E+22	1,534382E+22	1,534396E+22	1,300001E+22	9,348964E+21	5,600452E+21	2,759129E+21	1,355182E+21	1,355104E+21	2,758856E+21	5,599953E+21
-299	9,348349E+21	1,299962E+22	1,534411E+22	1,534413E+22	1,299989E+22	9,348760E+21	5,600306E+21	2,759151E+21	1,355346E+21	1,355368E+21	2,759233E+21	5,600484E+21
-298	9,348927E+21	1,299985E+22	1,534376E+22	1,534337E+22	1,299910E+22	9,348306E+21	5,600197E+21	2,759218E+21	1,355483E+21	1,355546E+21	2,759366E+21	5,600318E+21
-297	9,348313E+21	1,299891E+22	1,534294E+22	1,534322E+22	1,299944E+22	9,348765E+21	5,600669E+21	2,759624E+21	1,355746E+21	1,355666E+21	2,759355E+21	5,600222E+21
-296	9,348301E+21	1,299921E+22	1,534337E+22	1,534336E+22	1,299918E+22	9,348283E+21	5,600243E+21	2,759438E+21	1,355789E+21	1,355880E+21	2,759766E+21	5,600811E+21
-295	9,348785E+21	1,299915E+22	1,534264E+22	1,534241E+22	1,299872E+22	9,348332E+21	5,600453E+21	2,759598E+21	1,355872E+21	1,355897E+21	2,759651E+21	5,600430E+21
-294	9,348107E+21	1,299843E+22	1,534244E+22	1,534278E+22	1,299919E+22	9,348733E+21	5,600773E+21	2,759823E+21	1,355989E+21	1,355919E+21	2,759610E+21	5,600516E+21
-293	9,348643E+21	1,299932E+22	1,534304E+22	1,534280E+22	1,299879E+22	9,348204E+21	5,600323E+21	2,759553E+21	1,355899E+21	1,355977E+21	2,759798E+21	5,600688E+21
-292	9,348570E+21	1,299898E+22	1,534253E+22	1,534243E+22	1,299887E+22	9,348548E+21	5,600680E+21	2,759748E+21	1,355904E+21	1,355821E+21	2,759458E+21	5,600176E+21
-291	9,347981E+21	1,299867E+22	1,534300E+22	1,534324E+22	1,299934E+22	9,348610E+21	5,600533E+21	2,759599E+21	1,355818E+21	1,355792E+21	2,759549E+21	5,600561E+21
-290	9,348727E+21	1,299936E+22	1,534320E+22	1,534305E+22	1,299896E+22	9,348227E+21	5,600193E+21	2,759305E+21	1,355610E+21	1,355685E+21	2,759517E+21	5,600456E+21
-289	9,348401E+21	1,299888E+22	1,534276E+22	1,534309E+22	1,299949E+22	9,348822E+21	5,600609E+21	2,759462E+21	1,355545E+21	1,355450E+21	2,759161E+21	5,600141E+21
-288	9,348369E+21	1,299947E+22	1,534383E+22	1,534380E+22	1,299960E+22	9,348534E+21	5,600184E+21	2,759114E+21	1,355350E+21	1,355390E+21	2,759287E+21	5,600583E+21
-287	9,349049E+21	1,299996E+22	1,534385E+22	1,534345E+22	1,299923E+22	9,348408E+21	5,600150E+21	2,759023E+21	1,355218E+21	1,355246E+21	2,759064E+21	5,600128E+21
-286	9,348358E+21	1,299928E+22	1,534371E+22	1,534404E+22	1,299993E+22	9,348892E+21	5,600472E+21	2,759216E+21	1,355270E+21	1,355171E+21	2,758907E+21	5,600047E+21
-285	9,348653E+21	1,300005E+22	1,534442E+22	1,534434E+22	1,299985E+22	9,348476E+21	5,599982E+21	2,758904E+21	1,355179E+21	1,355262E+21	2,759183E+21	5,600409E+21
-284	9,348782E+21	1,299978E+22	1,534381E+22	1,534365E+22	1,299966E+22	9,348720E+21	5,600301E+21	2,759099E+21	1,355242E+21	1,355216E+21	2,758993E+21	5,600048E+21
-283	9,348210E+21	1,299911E+22	1,534368E+22	1,534402E+22	1,299994E+22	9,348887E+21	5,600434E+21	2,759239E+21	1,355381E+21	1,355349E+21	2,759149E+21	5,600361E+21
-282	9,348881E+21	1,299982E+22	1,534379E+22	1,534359E+22	1,299929E+22	9,348321E+21	5,600106E+21	2,759122E+21	1,355420E+21	1,355519E+21	2,759401E+21	5,600462E+21
-281	9,348592E+21	1,299920E+22	1,534292E+22	1,534293E+22	1,299924E+22	9,348700E+21	5,600626E+21	2,759558E+21	1,355676E+21	1,355603E+21	2,759293E+21	5,600132E+21
-280	9,348115E+21	1,299900E+22	1,534330E+22	1,534329E+22	1,299922E+22	9,348452E+21	5,600424E+21	2,759553E+21	1,355827E+21	1,355853E+21	2,759657E+21	5,600657E+21
-279	9,348714E+21	1,299923E+22	1,534289E+22	1,534252E+22	1,299853E+22	9,348082E+21	5,600312E+21	2,759588E+21	1,355949E+21	1,356038E+21	2,759826E+21	5,600541E+21
-278	9,348085E+21	1,299814E+22	1,534186E+22	1,534224E+22	1,299885E+22	9,348595E+21	5,600836E+21	2,760018E+21	1,356215E+21	1,356141E+21	2,759780E+21	5,600463E+21
-277	9,348222E+21	1,299864E+22	1,534234E+22	1,534233E+22	1,299865E+22	9,348209E+21	5,600468E+21	2,759849E+21	1,356251E+21	1,356331E+21	2,760134E+21	5,600947E+21
-276	9,348622E+21	1,299868E+22	1,534187E+22	1,534151E+22	1,299810E+22	9,348194E+21	5,600694E+21	2,760033E+21	1,356333E+21	1,356327E+21	2,759981E+21	5,600549E+21
-275	9,347952E+21	1,299790E+22	1,534164E+22	1,534194E+22	1,299854E+22	9,348472E+21	5,600912E+21	2,760207E+21	1,356431E+21	1,356350E+21	2,759953E+21	5,600597E+21
-274	9,348389E+21	1,299875E+22	1,534228E+22	1,534207E+22	1,299826E+22	9,347972E+21	5,600443E+21	2,759904E+21	1,356309E+21	1,356391E+21	2,760151E+21	5,600786E+21
-273	9,348264E+21	1,299830E+22	1,534168E+22	1,534167E+22	1,299839E+22	9,348406E+21	5,600811E+21	2,760068E+21	1,356289E+21	1,356224E+21	2,759838E+21	5,600368E+21
-272	9,347788E+21	1,299806E+22	1,534219E+22	1,534247E+22	1,299883E+22	9,348458E+21	5,600657E+21	2,759888E+21	1,356159E+21	1,356143E+21	2,759872E+21	5,600740E+21
-271	9,348660E+21	1,299895E+22	1,534248E+22	1,534230E+22	1,299846E+22	9,348075E+21	5,600317E+21	2,759583E+21	1,355940E+21	1,356028E+21	2,759834E+21	5,600613E+21
-270	9,348294E+21	1,299843E+22	1,534199E+22	1,534227E+22	1,299892E+22	9,348633E+21	5,600741E+21	2,759783E+21	1,355910E+21	1,355804E+21	2,759451E+21	5,600257E+21
-269	9,348268E+21	1,299909E+22	1,534313E+22	1,534305E+22	1,299913E+22	9,348414E+21	5,600348E+21	2,759468E+21	1,355749E+21	1,355773E+21	2,759584E+21	5,600629E+21
-268	9,348779E+21	1,299946E+22	1,534325E+22	1,534285E+22	1,299877E+22	9,348239E+21	5,600308E+21	2,759397E+21	1,355643E+21	1,355657E+21	2,759407E+21	5,600273E+21
-267	9,348153E+21	1,299860E+22	1,534280E+22	1,534325E+22	1,299941E+22	9,348682E+21	5,600571E+21	2,759556E+21	1,355698E+21	1,355616E+21	2,759308E+21	5,600241E+21
-266	9,348485E+21	1,299942E+22	1,534345E+22	1,534342E+22	1,299928E+22	9,348315E+21	5,600143E+21	2,759258E+21	1,355600E+21	1,355700E+21	2,759582E+21	5,600607E+21
-265	9,348631E+21	1,299918E+22	1,534284E+22	1,534265E+22	1,299899E+22	9,348546E+21	5,600492E+21	2,759486E+21	1,355685E+21	1,355668E+21	2,759399E+21	5,600249E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,348084E+21	1,299862E+22	1,534285E+22	1,534306E+22	1,299923E+22	9,348641E+21	5,600599E+21	2,759632E+21	1,355827E+21	1,355790E+21	2,759514E+21	5,600485E+21
-263	9,348701E+21	1,299934E+22	1,534305E+22	1,534275E+22	1,299864E+22	9,348061E+21	5,600246E+21	2,759511E+21	1,355884E+21	1,355992E+21	2,759805E+21	5,600578E+21
-262	9,348276E+21	1,299846E+22	1,534195E+22	1,534205E+22	1,299863E+22	9,348454E+21	5,600770E+21	2,759976E+21	1,356172E+21	1,356098E+21	2,759722E+21	5,600310E+21
-261	9,347889E+21	1,299831E+22	1,534223E+22	1,534233E+22	1,299872E+22	9,348347E+21	5,600620E+21	2,759977E+21	1,356327E+21	1,356352E+21	2,760087E+21	5,600832E+21
-260	9,348471E+21	1,299855E+22	1,534193E+22	1,534158E+22	1,299793E+22	9,347951E+21	5,600550E+21	2,760032E+21	1,356441E+21	1,356517E+21	2,760243E+21	5,600782E+21
-259	9,347995E+21	1,299751E+22	1,534083E+22	1,534122E+22	1,299817E+22	9,348369E+21	5,601006E+21	2,760427E+21	1,356689E+21	1,356613E+21	2,760186E+21	5,600652E+21
-258	9,348115E+21	1,299817E+22	1,534147E+22	1,534136E+22	1,299796E+22	9,347994E+21	5,600658E+21	2,760257E+21	1,356706E+21	1,356782E+21	2,760505E+21	5,601059E+21
-257	9,348381E+21	1,299813E+22	1,534110E+22	1,534069E+22	1,299748E+22	9,347988E+21	5,600873E+21	2,760431E+21	1,356785E+21	1,356779E+21	2,760367E+21	5,600672E+21
-256	9,347682E+21	1,299731E+22	1,534092E+22	1,534125E+22	1,299802E+22	9,348245E+21	5,601023E+21	2,760554E+21	1,356845E+21	1,356768E+21	2,760319E+21	5,600730E+21
-255	9,348144E+21	1,299814E+22	1,534144E+22	1,534134E+22	1,299781E+22	9,347814E+21	5,600544E+21	2,760203E+21	1,356691E+21	1,356795E+21	2,760527E+21	5,600963E+21
-254	9,348042E+21	1,299759E+22	1,534067E+22	1,534078E+22	1,299786E+22	9,348262E+21	5,600960E+21	2,760390E+21	1,356664E+21	1,356603E+21	2,760185E+21	5,600579E+21
-253	9,347750E+21	1,299761E+22	1,534127E+22	1,534155E+22	1,299831E+22	9,348348E+21	5,600835E+21	2,760227E+21	1,356535E+21	1,356505E+21	2,760167E+21	5,600848E+21
-252	9,348521E+21	1,299858E+22	1,534184E+22	1,534153E+22	1,299788E+22	9,347899E+21	5,600497E+21	2,759944E+21	1,356326E+21	1,356387E+21	2,760117E+21	5,600733E+21
-251	9,348172E+21	1,299799E+22	1,534131E+22	1,534156E+22	1,299834E+22	9,348358E+21	5,600819E+21	2,760099E+21	1,356297E+21	1,356193E+21	2,759774E+21	5,600356E+21
-250	9,348068E+21	1,299861E+22	1,534244E+22	1,534239E+22	1,299863E+22	9,348202E+21	5,600450E+21	2,759784E+21	1,356133E+21	1,356169E+21	2,759930E+21	5,600743E+21
-249	9,348512E+21	1,299883E+22	1,534244E+22	1,534213E+22	1,299832E+22	9,348118E+21	5,600449E+21	2,759718E+21	1,356035E+21	1,356067E+21	2,759789E+21	5,600463E+21
-248	9,347978E+21	1,299804E+22	1,534198E+22	1,534245E+22	1,299889E+22	9,348530E+21	5,600722E+21	2,759883E+21	1,356080E+21	1,356007E+21	2,759659E+21	5,600412E+21
-247	9,348353E+21	1,299892E+22	1,534262E+22	1,534258E+22	1,299873E+22	9,348159E+21	5,600308E+21	2,759606E+21	1,356003E+21	1,356111E+21	2,759937E+21	5,600741E+21
-246	9,348429E+21	1,299859E+22	1,534191E+22	1,534170E+22	1,299833E+22	9,348352E+21	5,600692E+21	2,759899E+21	1,356142E+21	1,356113E+21	2,759772E+21	5,600392E+21
-245	9,347904E+21	1,299808E+22	1,534192E+22	1,534213E+22	1,299862E+22	9,348464E+21	5,600813E+21	2,760080E+21	1,356326E+21	1,356273E+21	2,759908E+21	5,600585E+21
-244	9,348372E+21	1,299867E+22	1,534218E+22	1,534192E+22	1,299804E+22	9,347851E+21	5,600441E+21	2,759969E+21	1,356404E+21	1,356499E+21	2,760251E+21	5,600809E+21
-243	9,348076E+21	1,299769E+22	1,534083E+22	1,534103E+22	1,299797E+22	9,348190E+21	5,600884E+21	2,760376E+21	1,356678E+21	1,356623E+21	2,760201E+21	5,600570E+21
-242	9,347763E+21	1,299768E+22	1,534117E+22	1,534126E+22	1,299800E+22	9,348125E+21	5,600801E+21	2,760386E+21	1,356807E+21	1,356846E+21	2,760531E+21	5,601062E+21
-241	9,348340E+21	1,299798E+22	1,534098E+22	1,534059E+22	1,299724E+22	9,347744E+21	5,600746E+21	2,760451E+21	1,356920E+21	1,356997E+21	2,760659E+21	5,600970E+21
-240	9,347849E+21	1,299706E+22	1,534007E+22	1,534034E+22	1,299750E+22	9,348128E+21	5,601171E+21	2,760825E+21	1,357141E+21	1,357056E+21	2,760545E+21	5,600751E+21
-239	9,347869E+21	1,299766E+22	1,534078E+22	1,534066E+22	1,299743E+22	9,347794E+21	5,600805E+21	2,760628E+21	1,357145E+21	1,357223E+21	2,760869E+21	5,601136E+21
-238	9,348024E+21	1,299737E+22	1,534017E+22	1,533992E+22	1,299699E+22	9,347824E+21	5,601029E+21	2,760804E+21	1,357219E+21	1,357213E+21	2,760746E+21	5,600825E+21
-237	9,347445E+21	1,299662E+22	1,533985E+22	1,534035E+22	1,299760E+22	9,348185E+21	5,601216E+21	2,760917E+21	1,357259E+21	1,357180E+21	2,760676E+21	5,600880E+21
-236	9,347919E+21	1,299752E+22	1,534055E+22	1,534049E+22	1,299729E+22	9,347698E+21	5,600742E+21	2,760564E+21	1,357082E+21	1,357171E+21	2,760864E+21	5,601192E+21
-235	9,348003E+21	1,299708E+22	1,533974E+22	1,533983E+22	1,299721E+22	9,348003E+21	5,601058E+21	2,760704E+21	1,357039E+21	1,356978E+21	2,760511E+21	5,600752E+21
-234	9,347708E+21	1,299731E+22	1,534060E+22	1,534070E+22	1,299764E+22	9,348097E+21	5,600966E+21	2,760550E+21	1,356900E+21	1,356870E+21	2,760473E+21	5,600952E+21
-233	9,348343E+21	1,299818E+22	1,534128E+22	1,534090E+22	1,299733E+22	9,347661E+21	5,600609E+21	2,760267E+21	1,356706E+21	1,356771E+21	2,760449E+21	5,600845E+21
-232	9,347951E+21	1,299754E+22	1,534073E+22	1,534099E+22	1,299790E+22	9,348139E+21	5,600888E+21	2,760387E+21	1,356661E+21	1,356569E+21	2,760108E+21	5,600490E+21
-231	9,347855E+21	1,299808E+22	1,534170E+22	1,534174E+22	1,299826E+22	9,348087E+21	5,600557E+21	2,760065E+21	1,356496E+21	1,356553E+21	2,760274E+21	5,600887E+21
-230	9,348290E+21	1,299817E+22	1,534147E+22	1,534128E+22	1,299783E+22	9,348012E+21	5,600637E+21	2,760067E+21	1,356429E+21	1,356461E+21	2,760134E+21	5,600642E+21
-229	9,347882E+21	1,299754E+22	1,534099E+22	1,534150E+22	1,299837E+22	9,348434E+21	5,600958E+21	2,760292E+21	1,356518E+21	1,356423E+21	2,759989E+21	5,600505E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,348107E+21	1,299839E+22	1,534183E+22	1,534173E+22	1,299811E+22	9,347975E+21	5,600540E+21	2,760055E+21	1,356479E+21	1,356554E+21	2,760295E+21	5,600885E+21
-227	9,348203E+21	1,299794E+22	1,534098E+22	1,534079E+22	1,299764E+22	9,348036E+21	5,600815E+21	2,760315E+21	1,356640E+21	1,356613E+21	2,760204E+21	5,600558E+21
-226	9,347660E+21	1,299744E+22	1,534098E+22	1,534118E+22	1,299794E+22	9,348198E+21	5,600962E+21	2,760491E+21	1,356819E+21	1,356782E+21	2,760370E+21	5,600793E+21
-225	9,348112E+21	1,299795E+22	1,534115E+22	1,534096E+22	1,299742E+22	9,347661E+21	5,600613E+21	2,760374E+21	1,356894E+21	1,357009E+21	2,760725E+21	5,601070E+21
-224	9,347940E+21	1,299714E+22	1,533991E+22	1,534008E+22	1,299732E+22	9,347968E+21	5,601035E+21	2,760756E+21	1,357134E+21	1,357093E+21	2,760624E+21	5,600798E+21
-223	9,347674E+21	1,299720E+22	1,534030E+22	1,534035E+22	1,299739E+22	9,347928E+21	5,600960E+21	2,760770E+21	1,357262E+21	1,357304E+21	2,760911E+21	5,601196E+21
-222	9,348118E+21	1,299738E+22	1,534005E+22	1,533968E+22	1,299663E+22	9,347566E+21	5,600961E+21	2,760884E+21	1,357397E+21	1,357458E+21	2,761036E+21	5,601096E+21
-221	9,347623E+21	1,299648E+22	1,533916E+22	1,533950E+22	1,299698E+22	9,347973E+21	5,601387E+21	2,761266E+21	1,357626E+21	1,357523E+21	2,760922E+21	5,600833E+21
-220	9,347484E+21	1,299691E+22	1,533989E+22	1,533988E+22	1,299693E+22	9,347644E+21	5,601004E+21	2,761051E+21	1,357615E+21	1,357676E+21	2,761268E+21	5,601341E+21
-219	9,347802E+21	1,299659E+22	1,533904E+22	1,533892E+22	1,299639E+22	9,347614E+21	5,601151E+21	2,761155E+21	1,357651E+21	1,357661E+21	2,761160E+21	5,601066E+21
-218	9,347361E+21	1,299610E+22	1,533887E+22	1,533929E+22	1,299688E+22	9,347962E+21	5,601375E+21	2,761257E+21	1,357650E+21	1,357581E+21	2,761039E+21	5,601080E+21
-217	9,347836E+21	1,299708E+22	1,533975E+22	1,533959E+22	1,299664E+22	9,347470E+21	5,600882E+21	2,760900E+21	1,357465E+21	1,357552E+21	2,761188E+21	5,601339E+21
-216	9,347919E+21	1,299682E+22	1,533923E+22	1,533913E+22	1,299662E+22	9,347720E+21	5,601126E+21	2,760994E+21	1,357390E+21	1,357328E+21	2,760794E+21	5,600835E+21
-215	9,347532E+21	1,299695E+22	1,534012E+22	1,534020E+22	1,299722E+22	9,347874E+21	5,601024E+21	2,760825E+21	1,357250E+21	1,357225E+21	2,760760E+21	5,601005E+21
-214	9,348034E+21	1,299755E+22	1,534054E+22	1,534033E+22	1,299701E+22	9,347557E+21	5,600740E+21	2,760576E+21	1,357070E+21	1,357136E+21	2,760766E+21	5,600973E+21
-213	9,347743E+21	1,299695E+22	1,533985E+22	1,534028E+22	1,299759E+22	9,348120E+21	5,601092E+21	2,760729E+21	1,357040E+21	1,356942E+21	2,760425E+21	5,600606E+21
-212	9,347596E+21	1,299745E+22	1,534087E+22	1,534098E+22	1,299782E+22	9,348029E+21	5,600799E+21	2,760451E+21	1,356897E+21	1,356932E+21	2,760599E+21	5,601070E+21
-211	9,348162E+21	1,299758E+22	1,534048E+22	1,534028E+22	1,299720E+22	9,347804E+21	5,600796E+21	2,760444E+21	1,356860E+21	1,356890E+21	2,760501E+21	5,600807E+21
-210	9,347757E+21	1,299709E+22	1,534016E+22	1,534047E+22	1,299760E+22	9,348179E+21	5,601143E+21	2,760697E+21	1,356973E+21	1,356879E+21	2,760381E+21	5,600654E+21
-209	9,347869E+21	1,299780E+22	1,534101E+22	1,534087E+22	1,299745E+22	9,347691E+21	5,600681E+21	2,760465E+21	1,356964E+21	1,357048E+21	2,760737E+21	5,601083E+21
-208	9,347990E+21	1,299736E+22	1,534013E+22	1,533993E+22	1,299702E+22	9,347730E+21	5,600885E+21	2,760674E+21	1,357104E+21	1,357101E+21	2,760655E+21	5,600800E+21
-207	9,347498E+21	1,299683E+22	1,534007E+22	1,534029E+22	1,299737E+22	9,347980E+21	5,601064E+21	2,760839E+21	1,357271E+21	1,357259E+21	2,760801E+21	5,601017E+21
-206	9,347948E+21	1,299729E+22	1,534011E+22	1,533995E+22	1,299680E+22	9,347488E+21	5,600810E+21	2,760782E+21	1,357360E+21	1,357475E+21	2,761129E+21	5,601276E+21
-205	9,347838E+21	1,299662E+22	1,533893E+22	1,533908E+22	1,299673E+22	9,347830E+21	5,601281E+21	2,761210E+21	1,357624E+21	1,357559E+21	2,760986E+21	5,600887E+21
-204	9,347386E+21	1,299661E+22	1,533950E+22	1,533952E+22	1,299682E+22	9,347774E+21	5,601213E+21	2,761245E+21	1,357764E+21	1,357771E+21	2,761280E+21	5,601314E+21
-203	9,347826E+21	1,299665E+22	1,533906E+22	1,533876E+22	1,299602E+22	9,347317E+21	5,601115E+21	2,761312E+21	1,357898E+21	1,357958E+21	2,761457E+21	5,601240E+21
-202	9,347340E+21	1,299579E+22	1,533816E+22	1,533850E+22	1,299634E+22	9,347783E+21	5,601571E+21	2,761667E+21	1,358093E+21	1,358001E+21	2,761352E+21	5,601029E+21
-201	9,347222E+21	1,299616E+22	1,533887E+22	1,533891E+22	1,299633E+22	9,347464E+21	5,601175E+21	2,761428E+21	1,358054E+21	1,358125E+21	2,761678E+21	5,601565E+21
-200	9,347690E+21	1,299609E+22	1,533818E+22	1,533798E+22	1,299574E+22	9,347355E+21	5,601253E+21	2,761474E+21	1,358034E+21	1,358054E+21	2,761515E+21	5,601269E+21
-199	9,347316E+21	1,299574E+22	1,533819E+22	1,533849E+22	1,299629E+22	9,347720E+21	5,601455E+21	2,761553E+21	1,358013E+21	1,357946E+21	2,761338E+21	5,601187E+21
-198	9,347675E+21	1,299665E+22	1,533909E+22	1,533886E+22	1,299612E+22	9,347285E+21	5,601026E+21	2,761235E+21	1,357841E+21	1,357917E+21	2,761485E+21	5,601432E+21
-197	9,347741E+21	1,299638E+22	1,533861E+22	1,533857E+22	1,299627E+22	9,347586E+21	5,601274E+21	2,761338E+21	1,357779E+21	1,357704E+21	2,761094E+21	5,600897E+21
-196	9,347216E+21	1,299633E+22	1,533943E+22	1,533966E+22	1,299693E+22	9,347804E+21	5,601188E+21	2,761168E+21	1,357638E+21	1,357600E+21	2,761088E+21	5,601175E+21
-195	9,347829E+21	1,299684E+22	1,533954E+22	1,533947E+22	1,299656E+22	9,347431E+21	5,600877E+21	2,760899E+21	1,357460E+21	1,357537E+21	2,761126E+21	5,601169E+21
-194	9,347646E+21	1,299645E+22	1,533895E+22	1,533926E+22	1,299693E+22	9,347965E+21	5,601291E+21	2,761084E+21	1,357434E+21	1,357342E+21	2,760781E+21	5,600783E+21
-193	9,347452E+21	1,299691E+22	1,534001E+22	1,534004E+22	1,299717E+22	9,347827E+21	5,600979E+21	2,760835E+21	1,357323E+21	1,357353E+21	2,760952E+21	5,601203E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,348010E+21	1,299719E+22	1,533981E+22	1,533944E+22	1,299653E+22	9,347501E+21	5,600890E+21	2,760793E+21	1,357281E+21	1,357319E+21	2,760870E+21	5,600953E+21
-191	9,347574E+21	1,299661E+22	1,533947E+22	1,533972E+22	1,299702E+22	9,347878E+21	5,601195E+21	2,761030E+21	1,357404E+21	1,357325E+21	2,760763E+21	5,600790E+21
-190	9,347598E+21	1,299709E+22	1,534005E+22	1,534001E+22	1,299694E+22	9,347523E+21	5,600826E+21	2,760837E+21	1,357411E+21	1,357504E+21	2,761148E+21	5,601296E+21
-189	9,347837E+21	1,299673E+22	1,533916E+22	1,533905E+22	1,299654E+22	9,347608E+21	5,601080E+21	2,761071E+21	1,357561E+21	1,357556E+21	2,761045E+21	5,600974E+21
-188	9,347295E+21	1,299620E+22	1,533915E+22	1,533941E+22	1,299684E+22	9,347860E+21	5,601301E+21	2,761278E+21	1,357743E+21	1,357708E+21	2,761179E+21	5,601210E+21
-187	9,347796E+21	1,299666E+22	1,533907E+22	1,533889E+22	1,299615E+22	9,347293E+21	5,601014E+21	2,761228E+21	1,357862E+21	1,357966E+21	2,761532E+21	5,601420E+21
-186	9,347643E+21	1,299610E+22	1,533808E+22	1,533803E+22	1,299596E+22	9,347612E+21	5,601523E+21	2,761676E+21	1,358139E+21	1,358068E+21	2,761411E+21	5,601017E+21
-185	9,347050E+21	1,299585E+22	1,533857E+22	1,533864E+22	1,299620E+22	9,347543E+21	5,601401E+21	2,761701E+21	1,358287E+21	1,358294E+21	2,761730E+21	5,601472E+21
-184	9,347547E+21	1,299596E+22	1,533809E+22	1,533781E+22	1,299541E+22	9,347065E+21	5,601215E+21	2,761683E+21	1,358365E+21	1,358446E+21	2,761909E+21	5,601482E+21
-183	9,347184E+21	1,299515E+22	1,533718E+22	1,533752E+22	1,299571E+22	9,347548E+21	5,601659E+21	2,761995E+21	1,358514E+21	1,358440E+21	2,761747E+21	5,601243E+21
-182	9,347102E+21	1,299555E+22	1,533787E+22	1,533791E+22	1,299570E+22	9,347280E+21	5,601342E+21	2,761787E+21	1,358459E+21	1,358526E+21	2,762026E+21	5,601755E+21
-181	9,347642E+21	1,299568E+22	1,533743E+22	1,533717E+22	1,299520E+22	9,347173E+21	5,601418E+21	2,761838E+21	1,358435E+21	1,358433E+21	2,761807E+21	5,601340E+21
-180	9,347100E+21	1,299530E+22	1,533765E+22	1,533791E+22	1,299584E+22	9,347559E+21	5,601619E+21	2,761918E+21	1,358410E+21	1,358317E+21	2,761636E+21	5,601285E+21
-179	9,347438E+21	1,299605E+22	1,533831E+22	1,533818E+22	1,299570E+22	9,347113E+21	5,601136E+21	2,761567E+21	1,358240E+21	1,358318E+21	2,761825E+21	5,601547E+21
-178	9,347512E+21	1,299582E+22	1,533783E+22	1,533777E+22	1,299579E+22	9,347496E+21	5,601444E+21	2,761659E+21	1,358158E+21	1,358097E+21	2,761451E+21	5,601061E+21
-177	9,347002E+21	1,299566E+22	1,533856E+22	1,533886E+22	1,299647E+22	9,347710E+21	5,601365E+21	2,761502E+21	1,358018E+21	1,357988E+21	2,761430E+21	5,601337E+21
-176	9,347728E+21	1,299639E+22	1,533873E+22	1,533859E+22	1,299598E+22	9,347223E+21	5,600986E+21	2,761202E+21	1,357820E+21	1,357905E+21	2,761452E+21	5,601339E+21
-175	9,347577E+21	1,299607E+22	1,533826E+22	1,533840E+22	1,299631E+22	9,347721E+21	5,601379E+21	2,761394E+21	1,357808E+21	1,357718E+21	2,761092E+21	5,600892E+21
-174	9,347273E+21	1,299640E+22	1,533927E+22	1,533921E+22	1,299656E+22	9,347601E+21	5,601126E+21	2,761199E+21	1,357735E+21	1,357761E+21	2,761297E+21	5,601329E+21
-173	9,347810E+21	1,299662E+22	1,533905E+22	1,533874E+22	1,299604E+22	9,347290E+21	5,601024E+21	2,761172E+21	1,357725E+21	1,357758E+21	2,761243E+21	5,601081E+21
-172	9,347295E+21	1,299593E+22	1,533864E+22	1,533900E+22	1,299659E+22	9,347741E+21	5,601349E+21	2,761411E+21	1,357853E+21	1,357773E+21	2,761169E+21	5,601020E+21
-171	9,347433E+21	1,299637E+22	1,533895E+22	1,533897E+22	1,299633E+22	9,347349E+21	5,600992E+21	2,761231E+21	1,357881E+21	1,357982E+21	2,761569E+21	5,601512E+21
-170	9,347740E+21	1,299620E+22	1,533821E+22	1,533794E+22	1,299579E+22	9,347433E+21	5,601316E+21	2,761506E+21	1,358047E+21	1,358041E+21	2,761456E+21	5,601144E+21
-169	9,347101E+21	1,299560E+22	1,533824E+22	1,533843E+22	1,299616E+22	9,347657E+21	5,601526E+21	2,761745E+21	1,358262E+21	1,358213E+21	2,761579E+21	5,601308E+21
-168	9,347544E+21	1,299611E+22	1,533825E+22	1,533798E+22	1,299547E+22	9,347014E+21	5,601157E+21	2,761654E+21	1,358366E+21	1,358471E+21	2,761957E+21	5,601558E+21
-167	9,347358E+21	1,299542E+22	1,533721E+22	1,533717E+22	1,299537E+22	9,347360E+21	5,601630E+21	2,762070E+21	1,358627E+21	1,358566E+21	2,761844E+21	5,601177E+21
-166	9,346739E+21	1,299500E+22	1,533745E+22	1,533765E+22	1,299564E+22	9,347402E+21	5,601589E+21	2,762102E+21	1,358756E+21	1,358773E+21	2,762167E+21	5,601700E+21
-165	9,347379E+21	1,299526E+22	1,533704E+22	1,533687E+22	1,299486E+22	9,346923E+21	5,601412E+21	2,762079E+21	1,358812E+21	1,358889E+21	2,762298E+21	5,601677E+21
-164	9,347046E+21	1,299458E+22	1,533630E+22	1,533664E+22	1,299515E+22	9,347386E+21	5,601841E+21	2,762380E+21	1,358936E+21	1,358846E+21	2,762103E+21	5,601444E+21
-163	9,347015E+21	1,299504E+22	1,533697E+22	1,533693E+22	1,299505E+22	9,347065E+21	5,601495E+21	2,762162E+21	1,358889E+21	1,358946E+21	2,762374E+21	5,601891E+21
-162	9,347518E+21	1,299531E+22	1,533680E+22	1,533635E+22	1,299455E+22	9,346965E+21	5,601590E+21	2,762208E+21	1,358856E+21	1,358852E+21	2,762161E+21	5,601454E+21
-161	9,346846E+21	1,299470E+22	1,533694E+22	1,533727E+22	1,299540E+22	9,347383E+21	5,601752E+21	2,762271E+21	1,358827E+21	1,358735E+21	2,761992E+21	5,601399E+21
-160	9,347224E+21	1,299552E+22	1,533753E+22	1,533745E+22	1,299526E+22	9,346958E+21	5,601220E+21	2,761850E+21	1,358606E+21	1,358704E+21	2,762180E+21	5,601733E+21
-159	9,347393E+21	1,299532E+22	1,533706E+22	1,533696E+22	1,299527E+22	9,347321E+21	5,601528E+21	2,761929E+21	1,358498E+21	1,358450E+21	2,761760E+21	5,601209E+21
-158	9,346876E+21	1,299511E+22	1,533766E+22	1,533795E+22	1,299591E+22	9,347576E+21	5,601541E+21	2,761829E+21	1,358375E+21	1,358338E+21	2,761725E+21	5,601456E+21
-157	9,347608E+21	1,299595E+22	1,533804E+22	1,533787E+22	1,299545E+22	9,347048E+21	5,601147E+21	2,761553E+21	1,358204E+21	1,358269E+21	2,761734E+21	5,601393E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,347337E+21	1,299558E+22	1,533765E+22	1,533779E+22	1,299581E+22	9,347520E+21	5,601517E+21	2,761754E+21	1,358214E+21	1,358109E+21	2,761423E+21	5,601013E+21
-155	9,347026E+21	1,299574E+22	1,533836E+22	1,533839E+22	1,299603E+22	9,347401E+21	5,601249E+21	2,761563E+21	1,358174E+21	1,358205E+21	2,761689E+21	5,601494E+21
-154	9,347615E+21	1,299604E+22	1,533818E+22	1,533781E+22	1,299545E+22	9,347151E+21	5,601206E+21	2,761544E+21	1,358169E+21	1,358218E+21	2,761663E+21	5,601288E+21
-153	9,347100E+21	1,299525E+22	1,533768E+22	1,533810E+22	1,299602E+22	9,347592E+21	5,601543E+21	2,761811E+21	1,358316E+21	1,358241E+21	2,761573E+21	5,601199E+21
-152	9,347321E+21	1,299588E+22	1,533804E+22	1,533798E+22	1,299569E+22	9,347137E+21	5,601140E+21	2,761615E+21	1,358338E+21	1,358446E+21	2,761968E+21	5,601692E+21
-151	9,347612E+21	1,299573E+22	1,533741E+22	1,533700E+22	1,299511E+22	9,347185E+21	5,601454E+21	2,761906E+21	1,358522E+21	1,358514E+21	2,761846E+21	5,601266E+21
-150	9,346845E+21	1,299492E+22	1,533730E+22	1,533752E+22	1,299553E+22	9,347462E+21	5,601735E+21	2,762193E+21	1,358765E+21	1,358712E+21	2,762008E+21	5,601455E+21
-149	9,347250E+21	1,299535E+22	1,533730E+22	1,533718E+22	1,299494E+22	9,346825E+21	5,601339E+21	2,762094E+21	1,358874E+21	1,358976E+21	2,762396E+21	5,601731E+21
-148	9,347066E+21	1,299464E+22	1,533619E+22	1,533628E+22	1,299483E+22	9,347213E+21	5,601815E+21	2,762482E+21	1,359106E+21	1,359050E+21	2,762297E+21	5,601448E+21
-147	9,346599E+21	1,299426E+22	1,533622E+22	1,533646E+22	1,299491E+22	9,347201E+21	5,601772E+21	2,762509E+21	1,359229E+21	1,359251E+21	2,762596E+21	5,601938E+21
-146	9,347323E+21	1,299479E+22	1,533610E+22	1,533572E+22	1,299406E+22	9,346714E+21	5,601621E+21	2,762487E+21	1,359270E+21	1,359343E+21	2,762686E+21	5,601849E+21
-145	9,346910E+21	1,299411E+22	1,533555E+22	1,533579E+22	1,299451E+22	9,347152E+21	5,602002E+21	2,762778E+21	1,359390E+21	1,359288E+21	2,762451E+21	5,601534E+21
-144	9,346847E+21	1,299466E+22	1,533632E+22	1,533620E+22	1,299446E+22	9,346796E+21	5,601579E+21	2,762499E+21	1,359303E+21	1,359364E+21	2,762725E+21	5,602001E+21
-143	9,347286E+21	1,299479E+22	1,533614E+22	1,533574E+22	1,299411E+22	9,346763E+21	5,601653E+21	2,762503E+21	1,359234E+21	1,359237E+21	2,762490E+21	5,601566E+21
-142	9,346588E+21	1,299403E+22	1,533606E+22	1,533654E+22	1,299499E+22	9,347311E+21	5,601916E+21	2,762581E+21	1,359184E+21	1,359099E+21	2,762318E+21	5,601541E+21
-141	9,347033E+21	1,299490E+22	1,533670E+22	1,533675E+22	1,299483E+22	9,346870E+21	5,601403E+21	2,762174E+21	1,358958E+21	1,359044E+21	2,762462E+21	5,601835E+21
-140	9,347217E+21	1,299481E+22	1,533630E+22	1,533625E+22	1,299480E+22	9,347213E+21	5,601708E+21	2,762261E+21	1,358852E+21	1,358790E+21	2,762056E+21	5,601346E+21
-139	9,346737E+21	1,299461E+22	1,533678E+22	1,533702E+22	1,299527E+22	9,347381E+21	5,601702E+21	2,762188E+21	1,358777E+21	1,358730E+21	2,762051E+21	5,601563E+21
-138	9,347429E+21	1,299552E+22	1,533735E+22	1,533703E+22	1,299480E+22	9,346835E+21	5,601314E+21	2,761926E+21	1,358633E+21	1,358700E+21	2,762111E+21	5,601533E+21
-137	9,347087E+21	1,299495E+22	1,533684E+22	1,533709E+22	1,299532E+22	9,347305E+21	5,601625E+21	2,762115E+21	1,358660E+21	1,358567E+21	2,761826E+21	5,601188E+21
-136	9,346870E+21	1,299520E+22	1,533745E+22	1,533752E+22	1,299546E+22	9,347181E+21	5,601332E+21	2,761882E+21	1,358594E+21	1,358651E+21	2,762107E+21	5,601738E+21
-135	9,347533E+21	1,299553E+22	1,533732E+22	1,533692E+22	1,299482E+22	9,346922E+21	5,601308E+21	2,761876E+21	1,358584E+21	1,358643E+21	2,762039E+21	5,601476E+21
-134	9,346981E+21	1,299470E+22	1,533674E+22	1,533714E+22	1,299539E+22	9,347434E+21	5,601753E+21	2,762213E+21	1,358761E+21	1,358682E+21	2,761944E+21	5,601331E+21
-133	9,347120E+21	1,299533E+22	1,533726E+22	1,533720E+22	1,299511E+22	9,346966E+21	5,601360E+21	2,762054E+21	1,358819E+21	1,358905E+21	2,762328E+21	5,601763E+21
-132	9,347296E+21	1,299508E+22	1,533661E+22	1,533628E+22	1,299458E+22	9,347014E+21	5,601657E+21	2,762348E+21	1,359016E+21	1,359001E+21	2,762270E+21	5,601422E+21
-131	9,346537E+21	1,299409E+22	1,533612E+22	1,533648E+22	1,299492E+22	9,347292E+21	5,601930E+21	2,762637E+21	1,359281E+21	1,359233E+21	2,762473E+21	5,601664E+21
-130	9,347019E+21	1,299464E+22	1,533621E+22	1,533605E+22	1,299423E+22	9,346676E+21	5,601570E+21	2,762529E+21	1,359377E+21	1,359487E+21	2,762863E+21	5,601981E+21
-129	9,346893E+21	1,299392E+22	1,533510E+22	1,533523E+22	1,299413E+22	9,346993E+21	5,602005E+21	2,762909E+21	1,359596E+21	1,359538E+21	2,762715E+21	5,601651E+21
-128	9,346534E+21	1,299383E+22	1,533530E+22	1,533541E+22	1,299416E+22	9,346917E+21	5,601898E+21	2,762888E+21	1,359680E+21	1,359703E+21	2,762987E+21	5,602121E+21
-127	9,347228E+21	1,299443E+22	1,533544E+22	1,533489E+22	1,299337E+22	9,346406E+21	5,601712E+21	2,762843E+21	1,359700E+21	1,359766E+21	2,763031E+21	5,601951E+21
-126	9,346673E+21	1,299356E+22	1,533480E+22	1,533508E+22	1,299398E+22	9,346956E+21	5,602154E+21	2,763146E+21	1,359814E+21	1,359710E+21	2,762808E+21	5,601641E+21
-125	9,346558E+21	1,299401E+22	1,533558E+22	1,533565E+22	1,299412E+22	9,346685E+21	5,601727E+21	2,762844E+21	1,359706E+21	1,359761E+21	2,763060E+21	5,602115E+21
-124	9,347020E+21	1,299412E+22	1,533531E+22	1,533509E+22	1,299375E+22	9,346701E+21	5,601820E+21	2,762822E+21	1,359600E+21	1,359608E+21	2,762833E+21	5,601750E+21
-123	9,346434E+21	1,299339E+22	1,533498E+22	1,533555E+22	1,299443E+22	9,347191E+21	5,602105E+21	2,762924E+21	1,359564E+21	1,359474E+21	2,762644E+21	5,601695E+21
-122	9,346915E+21	1,299447E+22	1,533588E+22	1,533578E+22	1,299417E+22	9,346713E+21	5,601601E+21	2,762533E+21	1,359349E+21	1,359424E+21	2,762777E+21	5,601946E+21
-121	9,347022E+21	1,299432E+22	1,533559E+22	1,533549E+22	1,299421E+22	9,346976E+21	5,601846E+21	2,762621E+21	1,359263E+21	1,359192E+21	2,762377E+21	5,601434E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-120	9,346568E+21	1,299420E+22	1,533608E+22	1,533627E+22	1,299467E+22	9,347091E+21	5,601763E+21	2,762499E+21	1,359172E+21	1,359141E+21	2,762421E+21	5,601725E+21
-119	9,347244E+21	1,299502E+22	1,533663E+22	1,533633E+22	1,299430E+22	9,346593E+21	5,601359E+21	2,762214E+21	1,359013E+21	1,359098E+21	2,762476E+21	5,601716E+21
-118	9,346913E+21	1,299435E+22	1,533595E+22	1,533629E+22	1,299485E+22	9,347185E+21	5,601776E+21	2,762433E+21	1,359043E+21	1,358967E+21	2,762198E+21	5,601390E+21
-117	9,346742E+21	1,299465E+22	1,533664E+22	1,533679E+22	1,299498E+22	9,347052E+21	5,601516E+21	2,762242E+21	1,358995E+21	1,359043E+21	2,762433E+21	5,601873E+21
-116	9,347376E+21	1,299503E+22	1,533654E+22	1,533617E+22	1,299432E+22	9,346799E+21	5,601516E+21	2,762267E+21	1,359010E+21	1,359060E+21	2,762395E+21	5,601618E+21
-115	9,346783E+21	1,299412E+22	1,533577E+22	1,533613E+22	1,299471E+22	9,347250E+21	5,601985E+21	2,762666E+21	1,359256E+21	1,359164E+21	2,762345E+21	5,601450E+21
-114	9,346825E+21	1,299470E+22	1,533636E+22	1,533624E+22	1,299443E+22	9,346780E+21	5,601597E+21	2,762529E+21	1,359351E+21	1,359431E+21	2,762778E+21	5,601918E+21
-113	9,346957E+21	1,299426E+22	1,533554E+22	1,533537E+22	1,299400E+22	9,346813E+21	5,601843E+21	2,762805E+21	1,359555E+21	1,359545E+21	2,762747E+21	5,601645E+21
-112	9,346372E+21	1,299344E+22	1,533496E+22	1,533531E+22	1,299416E+22	9,347021E+21	5,602063E+21	2,763035E+21	1,359776E+21	1,359748E+21	2,762951E+21	5,601943E+21
-111	9,346923E+21	1,299407E+22	1,533518E+22	1,533495E+22	1,299345E+22	9,346366E+21	5,601688E+21	2,762916E+21	1,359842E+21	1,359953E+21	2,763270E+21	5,602190E+21
-110	9,346781E+21	1,299341E+22	1,533418E+22	1,533424E+22	1,299343E+22	9,346746E+21	5,602168E+21	2,763306E+21	1,360052E+21	1,359990E+21	2,763092E+21	5,601794E+21
-109	9,346339E+21	1,299332E+22	1,533462E+22	1,533471E+22	1,299358E+22	9,346679E+21	5,602058E+21	2,763289E+21	1,360133E+21	1,360136E+21	2,763323E+21	5,602189E+21
-108	9,346928E+21	1,299383E+22	1,533475E+22	1,533434E+22	1,299299E+22	9,346267E+21	5,601872E+21	2,763215E+21	1,360128E+21	1,360193E+21	2,763401E+21	5,602073E+21
-107	9,346369E+21	1,299283E+22	1,533379E+22	1,533423E+22	1,299353E+22	9,346864E+21	5,602340E+21	2,763518E+21	1,360243E+21	1,360142E+21	2,763190E+21	5,601798E+21
-106	9,346306E+21	1,299336E+22	1,533464E+22	1,533471E+22	1,299360E+22	9,346633E+21	5,601958E+21	2,763214E+21	1,360117E+21	1,360171E+21	2,763418E+21	5,602280E+21
-105	9,346824E+21	1,299348E+22	1,533436E+22	1,533423E+22	1,299324E+22	9,346564E+21	5,602005E+21	2,763182E+21	1,359999E+21	1,360001E+21	2,763159E+21	5,601901E+21
-104	9,346378E+21	1,299302E+22	1,533412E+22	1,533455E+22	1,299374E+22	9,346937E+21	5,602211E+21	2,763238E+21	1,359936E+21	1,359852E+21	2,762977E+21	5,601858E+21
-103	9,346814E+21	1,299412E+22	1,533526E+22	1,533501E+22	1,299352E+22	9,346395E+21	5,601667E+21	2,762839E+21	1,359716E+21	1,359790E+21	2,763092E+21	5,602072E+21
-102	9,346834E+21	1,299384E+22	1,533491E+22	1,533483E+22	1,299370E+22	9,346736E+21	5,601934E+21	2,762929E+21	1,359639E+21	1,359580E+21	2,762731E+21	5,601594E+21
-101	9,346360E+21	1,299365E+22	1,533542E+22	1,533571E+22	1,299428E+22	9,346918E+21	5,601862E+21	2,762805E+21	1,359548E+21	1,359521E+21	2,762760E+21	5,601891E+21
-100	9,347079E+21	1,299449E+22	1,533586E+22	1,533567E+22	1,299391E+22	9,346501E+21	5,601510E+21	2,762523E+21	1,359378E+21	1,359475E+21	2,762826E+21	5,601911E+21
-99	9,346798E+21	1,299380E+22	1,533495E+22	1,533530E+22	1,299427E+22	9,347059E+21	5,601985E+21	2,762813E+21	1,359460E+21	1,359376E+21	2,762543E+21	5,601535E+21
-98	9,346591E+21	1,299420E+22	1,533583E+22	1,533583E+22	1,299435E+22	9,346928E+21	5,601765E+21	2,762675E+21	1,359461E+21	1,359487E+21	2,762780E+21	5,601956E+21
-97	9,347092E+21	1,299442E+22	1,533571E+22	1,533536E+22	1,299374E+22	9,346590E+21	5,601723E+21	2,762723E+21	1,359518E+21	1,359551E+21	2,762778E+21	5,601711E+21
-96	9,346517E+21	1,299351E+22	1,533480E+22	1,533517E+22	1,299405E+22	9,346982E+21	5,602124E+21	2,763084E+21	1,359760E+21	1,359678E+21	2,762804E+21	5,601649E+21
-95	9,346554E+21	1,299398E+22	1,533537E+22	1,533529E+22	1,299378E+22	9,346506E+21	5,601711E+21	2,762922E+21	1,359834E+21	1,359925E+21	2,763228E+21	5,602145E+21
-94	9,346734E+21	1,299351E+22	1,533442E+22	1,533430E+22	1,299334E+22	9,346603E+21	5,602017E+21	2,763205E+21	1,360028E+21	1,360034E+21	2,763197E+21	5,601894E+21
-93	9,346224E+21	1,299282E+22	1,533402E+22	1,533438E+22	1,299351E+22	9,346790E+21	5,602232E+21	2,763439E+21	1,360238E+21	1,360202E+21	2,763336E+21	5,602124E+21
-92	9,346791E+21	1,299358E+22	1,533436E+22	1,533408E+22	1,299286E+22	9,346178E+21	5,601866E+21	2,763315E+21	1,360294E+21	1,360402E+21	2,763655E+21	5,602342E+21
-91	9,346586E+21	1,299285E+22	1,533327E+22	1,533328E+22	1,299277E+22	9,346538E+21	5,602368E+21	2,763740E+21	1,360538E+21	1,360465E+21	2,763488E+21	5,601924E+21
-90	9,346070E+21	1,299272E+22	1,533381E+22	1,533390E+22	1,299305E+22	9,346530E+21	5,602261E+21	2,763719E+21	1,360623E+21	1,360617E+21	2,763727E+21	5,602326E+21
-89	9,346611E+21	1,299306E+22	1,533378E+22	1,533357E+22	1,299257E+22	9,346147E+21	5,602050E+21	2,763611E+21	1,360592E+21	1,360659E+21	2,763798E+21	5,602259E+21
-88	9,346229E+21	1,299225E+22	1,533276E+22	1,533318E+22	1,299291E+22	9,346677E+21	5,602477E+21	2,763852E+21	1,360647E+21	1,360564E+21	2,763583E+21	5,602028E+21
-87	9,346212E+21	1,299286E+22	1,533377E+22	1,533375E+22	1,299292E+22	9,346370E+21	5,602071E+21	2,763535E+21	1,360486E+21	1,360537E+21	2,763730E+21	5,602425E+21
-86	9,346701E+21	1,299304E+22	1,533359E+22	1,533336E+22	1,299262E+22	9,346338E+21	5,602135E+21	2,763507E+21	1,360367E+21	1,360366E+21	2,763466E+21	5,602016E+21
-85	9,346203E+21	1,299260E+22	1,533359E+22	1,533396E+22	1,299321E+22	9,346681E+21	5,602306E+21	2,763555E+21	1,360302E+21	1,360207E+21	2,763263E+21	5,601940E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,346594E+21	1,299363E+22	1,533466E+22	1,533450E+22	1,299318E+22	9,346244E+21	5,601768E+21	2,763134E+21	1,360071E+21	1,360154E+21	2,763423E+21	5,602213E+21
-83	9,346622E+21	1,299325E+22	1,533406E+22	1,533405E+22	1,299327E+22	9,346626E+21	5,602082E+21	2,763252E+21	1,360020E+21	1,359967E+21	2,763080E+21	5,601770E+21
-82	9,346198E+21	1,299312E+22	1,533460E+22	1,533487E+22	1,299380E+22	9,346848E+21	5,602068E+21	2,763167E+21	1,359949E+21	1,359915E+21	2,763090E+21	5,602031E+21
-81	9,346897E+21	1,299390E+22	1,533500E+22	1,533489E+22	1,299346E+22	9,346389E+21	5,601716E+21	2,762914E+21	1,359807E+21	1,359888E+21	2,763148E+21	5,602032E+21
-80	9,346697E+21	1,299340E+22	1,533411E+22	1,533429E+22	1,299358E+22	9,346823E+21	5,602140E+21	2,763197E+21	1,359904E+21	1,359821E+21	2,762920E+21	5,601676E+21
-79	9,346365E+21	1,299364E+22	1,533505E+22	1,533496E+22	1,299367E+22	9,346624E+21	5,601902E+21	2,763082E+21	1,359928E+21	1,359948E+21	2,763165E+21	5,602075E+21
-78	9,346782E+21	1,299370E+22	1,533477E+22	1,533451E+22	1,299319E+22	9,346363E+21	5,601865E+21	2,763130E+21	1,360007E+21	1,360054E+21	2,763236E+21	5,601922E+21
-77	9,346248E+21	1,299276E+22	1,533385E+22	1,533429E+22	1,299347E+22	9,346759E+21	5,602259E+21	2,763475E+21	1,360237E+21	1,360166E+21	2,763247E+21	5,601893E+21
-76	9,346396E+21	1,299329E+22	1,533432E+22	1,533430E+22	1,299319E+22	9,346337E+21	5,601886E+21	2,763306E+21	1,360289E+21	1,360397E+21	2,763667E+21	5,602397E+21
-75	9,346630E+21	1,299290E+22	1,533331E+22	1,533312E+22	1,299257E+22	9,346376E+21	5,602218E+21	2,763638E+21	1,360516E+21	1,360515E+21	2,763609E+21	5,602085E+21
-74	9,346087E+21	1,299234E+22	1,533317E+22	1,533335E+22	1,299280E+22	9,346584E+21	5,602446E+21	2,763898E+21	1,360748E+21	1,360692E+21	2,763722E+21	5,602231E+21
-73	9,346516E+21	1,299295E+22	1,533354E+22	1,533330E+22	1,299233E+22	9,345981E+21	5,602063E+21	2,763770E+21	1,360811E+21	1,360903E+21	2,764046E+21	5,602453E+21
-72	9,346353E+21	1,299226E+22	1,533236E+22	1,533236E+22	1,299219E+22	9,346320E+21	5,602503E+21	2,764132E+21	1,361015E+21	1,360957E+21	2,763927E+21	5,602118E+21
-71	9,345824E+21	1,299203E+22	1,533289E+22	1,533303E+22	1,299249E+22	9,346331E+21	5,602402E+21	2,764083E+21	1,361052E+21	1,361052E+21	2,764112E+21	5,602508E+21
-70	9,346407E+21	1,299238E+22	1,533278E+22	1,533265E+22	1,299203E+22	9,346008E+21	5,602224E+21	2,763962E+21	1,360991E+21	1,361066E+21	2,764167E+21	5,602450E+21
-69	9,346082E+21	1,299172E+22	1,533198E+22	1,533235E+22	1,299233E+22	9,346481E+21	5,602621E+21	2,764185E+21	1,361019E+21	1,360925E+21	2,763886E+21	5,602165E+21
-68	9,346097E+21	1,299243E+22	1,533309E+22	1,533299E+22	1,299240E+22	9,346202E+21	5,602212E+21	2,763851E+21	1,360843E+21	1,360892E+21	2,764035E+21	5,602530E+21
-67	9,346513E+21	1,299255E+22	1,533285E+22	1,533255E+22	1,299203E+22	9,346125E+21	5,602280E+21	2,763859E+21	1,360762E+21	1,360754E+21	2,763796E+21	5,602135E+21
-66	9,345994E+21	1,299210E+22	1,533293E+22	1,533329E+22	1,299279E+22	9,346532E+21	5,602436E+21	2,763904E+21	1,360713E+21	1,360613E+21	2,763610E+21	5,602079E+21
-65	9,346369E+21	1,299299E+22	1,533384E+22	1,533382E+22	1,299282E+22	9,346142E+21	5,601914E+21	2,763474E+21	1,360477E+21	1,360559E+21	2,763764E+21	5,602388E+21
-64	9,346553E+21	1,299277E+22	1,533316E+22	1,533309E+22	1,299268E+22	9,346445E+21	5,602204E+21	2,763565E+21	1,360401E+21	1,360363E+21	2,763440E+21	5,601973E+21
-63	9,346118E+21	1,299267E+22	1,533384E+22	1,533400E+22	1,299317E+22	9,346597E+21	5,602193E+21	2,763504E+21	1,360333E+21	1,360291E+21	2,763394E+21	5,602133E+21
-62	9,346709E+21	1,299340E+22	1,533424E+22	1,533405E+22	1,299288E+22	9,346188E+21	5,601870E+21	2,763283E+21	1,360228E+21	1,360306E+21	2,763492E+21	5,602126E+21
-61	9,346417E+21	1,299283E+22	1,533346E+22	1,533359E+22	1,299302E+22	9,346591E+21	5,602276E+21	2,763575E+21	1,360345E+21	1,360258E+21	2,763288E+21	5,601796E+21
-60	9,346087E+21	1,299295E+22	1,533419E+22	1,533421E+22	1,299323E+22	9,346480E+21	5,602048E+21	2,763448E+21	1,360371E+21	1,360409E+21	2,763587E+21	5,602255E+21
-59	9,346523E+21	1,299293E+22	1,533364E+22	1,533343E+22	1,299257E+22	9,346215E+21	5,602063E+21	2,763542E+21	1,360483E+21	1,360540E+21	2,763683E+21	5,602169E+21
-58	9,346105E+21	1,299211E+22	1,533280E+22	1,533320E+22	1,299281E+22	9,346592E+21	5,602465E+21	2,763910E+21	1,360730E+21	1,360653E+21	2,763665E+21	5,602100E+21
-57	9,346255E+21	1,299267E+22	1,533331E+22	1,533329E+22	1,299256E+22	9,346146E+21	5,602096E+21	2,763758E+21	1,360795E+21	1,360886E+21	2,764059E+21	5,602571E+21
-56	9,346556E+21	1,299246E+22	1,533242E+22	1,533202E+22	1,299177E+22	9,346083E+21	5,602373E+21	2,764062E+21	1,361015E+21	1,361018E+21	2,764040E+21	5,602260E+21
-55	9,345886E+21	1,299179E+22	1,533241E+22	1,533250E+22	1,299211E+22	9,346262E+21	5,602583E+21	2,764323E+21	1,361242E+21	1,361181E+21	2,764131E+21	5,602358E+21
-54	9,346210E+21	1,299224E+22	1,533262E+22	1,533249E+22	1,299184E+22	9,345810E+21	5,602221E+21	2,764179E+21	1,361299E+21	1,361402E+21	2,764491E+21	5,602642E+21
-53	9,346075E+21	1,299154E+22	1,533148E+22	1,533153E+22	1,299168E+22	9,346170E+21	5,602660E+21	2,764502E+21	1,361457E+21	1,361405E+21	2,764329E+21	5,602327E+21
-52	9,345668E+21	1,299136E+22	1,533191E+22	1,533213E+22	1,299198E+22	9,346222E+21	5,602585E+21	2,764432E+21	1,361451E+21	1,361460E+21	2,764476E+21	5,602673E+21
-51	9,346260E+21	1,299181E+22	1,533180E+22	1,533159E+22	1,299136E+22	9,345829E+21	5,602423E+21	2,764349E+21	1,361409E+21	1,361469E+21	2,764503E+21	5,602587E+21
-50	9,345935E+21	1,299127E+22	1,533124E+22	1,533146E+22	1,299170E+22	9,346278E+21	5,602787E+21	2,764573E+21	1,361447E+21	1,361330E+21	2,764198E+21	5,602236E+21
-49	9,345846E+21	1,299186E+22	1,533237E+22	1,533233E+22	1,299195E+22	9,346027E+21	5,602360E+21	2,764224E+21	1,361268E+21	1,361302E+21	2,764359E+21	5,602638E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,346351E+21	1,299205E+22	1,533208E+22	1,533176E+22	1,299151E+22	9,345903E+21	5,602352E+21	2,764160E+21	1,361151E+21	1,361163E+21	2,764176E+21	5,602327E+21
-47	9,345833E+21	1,299155E+22	1,533216E+22	1,533254E+22	1,299227E+22	9,346323E+21	5,602528E+21	2,764194E+21	1,361069E+21	1,360981E+21	2,763939E+21	5,602244E+21
-46	9,346231E+21	1,299244E+22	1,533300E+22	1,533304E+22	1,299238E+22	9,346030E+21	5,602056E+21	2,763780E+21	1,360834E+21	1,360926E+21	2,764089E+21	5,602542E+21
-45	9,346425E+21	1,299233E+22	1,533252E+22	1,533235E+22	1,299215E+22	9,346273E+21	5,602335E+21	2,763879E+21	1,360761E+21	1,360718E+21	2,763734E+21	5,602089E+21
-44	9,345982E+21	1,299221E+22	1,533315E+22	1,533328E+22	1,299268E+22	9,346457E+21	5,602355E+21	2,763839E+21	1,360716E+21	1,360678E+21	2,763717E+21	5,602203E+21
-43	9,346433E+21	1,299278E+22	1,533341E+22	1,533321E+22	1,299229E+22	9,345997E+21	5,602053E+21	2,763687E+21	1,360680E+21	1,360753E+21	2,763878E+21	5,602266E+21
-42	9,346151E+21	1,299215E+22	1,533256E+22	1,533273E+22	1,299250E+22	9,346433E+21	5,602443E+21	2,763991E+21	1,360832E+21	1,360743E+21	2,763712E+21	5,601983E+21
-41	9,345852E+21	1,299218E+22	1,533311E+22	1,533325E+22	1,299270E+22	9,346357E+21	5,602249E+21	2,763868E+21	1,360861E+21	1,360900E+21	2,764012E+21	5,602494E+21
-40	9,346473E+21	1,299236E+22	1,533255E+22	1,533223E+22	1,299177E+22	9,345949E+21	5,602212E+21	2,763939E+21	1,360960E+21	1,361032E+21	2,764130E+21	5,602421E+21
-39	9,346040E+21	1,299163E+22	1,533193E+22	1,533217E+22	1,299201E+22	9,346255E+21	5,602601E+21	2,764321E+21	1,361206E+21	1,361122E+21	2,764052E+21	5,602246E+21
-38	9,346075E+21	1,299213E+22	1,533249E+22	1,533239E+22	1,299190E+22	9,345901E+21	5,602261E+21	2,764188E+21	1,361294E+21	1,361383E+21	2,764470E+21	5,602692E+21
-37	9,346255E+21	1,299185E+22	1,533174E+22	1,533131E+22	1,299121E+22	9,345848E+21	5,602516E+21	2,764474E+21	1,361503E+21	1,361505E+21	2,764453E+21	5,602404E+21
-36	9,345608E+21	1,299107E+22	1,533151E+22	1,533175E+22	1,299169E+22	9,346163E+21	5,602758E+21	2,764705E+21	1,361702E+21	1,361658E+21	2,764556E+21	5,602510E+21
-35	9,345908E+21	1,299143E+22	1,533151E+22	1,533146E+22	1,299127E+22	9,345727E+21	5,602465E+21	2,764602E+21	1,361767E+21	1,361868E+21	2,764905E+21	5,602845E+21
-34	9,345891E+21	1,299086E+22	1,533045E+22	1,533053E+22	1,299110E+22	9,346061E+21	5,602888E+21	2,764925E+21	1,361918E+21	1,361851E+21	2,764701E+21	5,602490E+21
-33	9,345509E+21	1,299075E+22	1,533091E+22	1,533115E+22	1,299138E+22	9,346073E+21	5,602794E+21	2,764844E+21	1,361900E+21	1,361886E+21	2,764811E+21	5,602807E+21
-32	9,346163E+21	1,299135E+22	1,533094E+22	1,533057E+22	1,299059E+22	9,345536E+21	5,602542E+21	2,764711E+21	1,361835E+21	1,361898E+21	2,764880E+21	5,602750E+21
-31	9,345775E+21	1,299080E+22	1,533058E+22	1,533076E+22	1,299106E+22	9,345929E+21	5,602845E+21	2,764899E+21	1,361845E+21	1,361733E+21	2,764553E+21	5,602381E+21
-30	9,345642E+21	1,299129E+22	1,533159E+22	1,533164E+22	1,299151E+22	9,345844E+21	5,602441E+21	2,764524E+21	1,361653E+21	1,361707E+21	2,764736E+21	5,602828E+21
-29	9,346179E+21	1,299153E+22	1,533141E+22	1,533109E+22	1,299105E+22	9,345752E+21	5,602444E+21	2,764427E+21	1,361489E+21	1,361517E+21	2,764502E+21	5,602520E+21
-28	9,345778E+21	1,299111E+22	1,533143E+22	1,533181E+22	1,299183E+22	9,346224E+21	5,602666E+21	2,764464E+21	1,361392E+21	1,361315E+21	2,764225E+21	5,602337E+21
-27	9,346073E+21	1,299198E+22	1,533221E+22	1,533217E+22	1,299181E+22	9,345906E+21	5,602255E+21	2,764136E+21	1,361213E+21	1,361287E+21	2,764371E+21	5,602610E+21
-26	9,346218E+21	1,299187E+22	1,533184E+22	1,533162E+22	1,299164E+22	9,346127E+21	5,602519E+21	2,764270E+21	1,361191E+21	1,361125E+21	2,764046E+21	5,602138E+21
-25	9,345679E+21	1,299154E+22	1,533230E+22	1,533257E+22	1,299224E+22	9,346331E+21	5,602547E+21	2,764249E+21	1,361176E+21	1,361123E+21	2,764081E+21	5,602328E+21
-24	9,346207E+21	1,299211E+22	1,533241E+22	1,533224E+22	1,299167E+22	9,345788E+21	5,602189E+21	2,764061E+21	1,361137E+21	1,361230E+21	2,764327E+21	5,602508E+21
-23	9,345988E+21	1,299150E+22	1,533160E+22	1,533178E+22	1,299179E+22	9,346154E+21	5,602573E+21	2,764363E+21	1,361276E+21	1,361202E+21	2,764130E+21	5,602207E+21
-22	9,345727E+21	1,299158E+22	1,533211E+22	1,533225E+22	1,299203E+22	9,346146E+21	5,602413E+21	2,764261E+21	1,361322E+21	1,361371E+21	2,764433E+21	5,602699E+21
-21	9,346340E+21	1,299190E+22	1,533180E+22	1,533132E+22	1,299108E+22	9,345691E+21	5,602349E+21	2,764326E+21	1,361419E+21	1,361490E+21	2,764521E+21	5,602588E+21
-20	9,345895E+21	1,299114E+22	1,533117E+22	1,533135E+22	1,299142E+22	9,346058E+21	5,602767E+21	2,764716E+21	1,361676E+21	1,361600E+21	2,764451E+21	5,602344E+21
-19	9,345759E+21	1,299144E+22	1,533158E+22	1,533153E+22	1,299133E+22	9,345735E+21	5,602479E+21	2,764651E+21	1,361815E+21	1,361896E+21	2,764912E+21	5,602857E+21
-18	9,345961E+21	1,299108E+22	1,533071E+22	1,533045E+22	1,299073E+22	9,345738E+21	5,602729E+21	2,764932E+21	1,362032E+21	1,362029E+21	2,764903E+21	5,602595E+21
-17	9,345349E+21	1,299023E+22	1,533030E+22	1,533074E+22	1,299117E+22	9,346096E+21	5,603014E+21	2,765155E+21	1,362204E+21	1,362152E+21	2,764981E+21	5,602732E+21
-16	9,345798E+21	1,299080E+22	1,533037E+22	1,533024E+22	1,299046E+22	9,345476E+21	5,602641E+21	2,765007E+21	1,362234E+21	1,362339E+21	2,765327E+21	5,603065E+21
-15	9,345785E+21	1,299036E+22	1,532956E+22	1,532949E+22	1,299025E+22	9,345703E+21	5,603014E+21	2,765307E+21	1,362353E+21	1,362280E+21	2,765057E+21	5,602620E+21
-14	9,345328E+21	1,299025E+22	1,533012E+22	1,533029E+22	1,299073E+22	9,345808E+21	5,602914E+21	2,765206E+21	1,362329E+21	1,362317E+21	2,765179E+21	5,602926E+21
-13	9,345920E+21	1,299087E+22	1,533035E+22	1,532994E+22	1,299008E+22	9,345280E+21	5,602604E+21	2,765015E+21	1,362219E+21	1,362292E+21	2,765231E+21	5,602907E+21

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	9,345607E+21	1,299028E+22	1,532987E+22	1,533015E+22	1,299070E+22	9,345814E+21	5,602935E+21	2,765158E+21	1,362187E+21	1,362099E+21	2,764883E+21	5,602516E+21
-11	9,345444E+21	1,299072E+22	1,533075E+22	1,533087E+22	1,299105E+22	9,345772E+21	5,602629E+21	2,764847E+21	1,362009E+21	1,362059E+21	2,765045E+21	5,602981E+21
-10	9,346048E+21	1,299103E+22	1,533063E+22	1,533039E+22	1,299064E+22	9,345676E+21	5,602633E+21	2,764771E+21	1,361861E+21	1,361868E+21	2,764777E+21	5,602606E+21
-9	9,345612E+21	1,299062E+22	1,533063E+22	1,533105E+22	1,299138E+22	9,346157E+21	5,602889E+21	2,764838E+21	1,361786E+21	1,361682E+21	2,764505E+21	5,602408E+21
-8	9,345883E+21	1,299150E+22	1,533144E+22	1,533129E+22	1,299114E+22	9,345670E+21	5,602409E+21	2,764503E+21	1,361632E+21	1,361704E+21	2,764730E+21	5,602729E+21
-7	9,345972E+21	1,299130E+22	1,533109E+22	1,533089E+22	1,299102E+22	9,345821E+21	5,602625E+21	2,764634E+21	1,361622E+21	1,361565E+21	2,764438E+21	5,602304E+21
-6	9,345445E+21	1,299086E+22	1,533132E+22	1,533171E+22	1,299171E+22	9,346150E+21	5,602673E+21	2,764607E+21	1,361622E+21	1,361592E+21	2,764525E+21	5,602565E+21
-5	9,346033E+21	1,299153E+22	1,533153E+22	1,533133E+22	1,299104E+22	9,345568E+21	5,602305E+21	2,764397E+21	1,361555E+21	1,361668E+21	2,764742E+21	5,602775E+21
-4	9,345960E+21	1,299104E+22	1,533073E+22	1,533086E+22	1,299117E+22	9,345941E+21	5,602701E+21	2,764697E+21	1,361690E+21	1,361633E+21	2,764504E+21	5,602362E+21
-3	9,345575E+21	1,299108E+22	1,533123E+22	1,533126E+22	1,299132E+22	9,345933E+21	5,602620E+21	2,764692E+21	1,361797E+21	1,361829E+21	2,764806E+21	5,602820E+21
-2	9,346108E+21	1,299134E+22	1,533100E+22	1,533056E+22	1,299054E+22	9,345511E+21	5,602552E+21	2,764783E+21	1,361935E+21	1,361987E+21	2,764913E+21	5,602678E+21
-1	9,345566E+21	1,299041E+22	1,533020E+22	1,533055E+22	1,299096E+22	9,345956E+21	5,603002E+21	2,765184E+21	1,362204E+21	1,362115E+21	2,764881E+21	5,602498E+21
1	9,345468E+21	1,299065E+22	1,533043E+22	1,533044E+22	1,299067E+22	9,345565E+21	5,602684E+21	2,765090E+21	1,362330E+21	1,362422E+21	2,765388E+21	5,603093E+21
2	9,345753E+21	1,299035E+22	1,532962E+22	1,532940E+22	1,299000E+22	9,345492E+21	5,602920E+21	2,765351E+21	1,362511E+21	1,362515E+21	2,765338E+21	5,602820E+21
3	9,345206E+21	1,298958E+22	1,532917E+22	1,532963E+22	1,299046E+22	9,345878E+21	5,603196E+21	2,765564E+21	1,362672E+21	1,362624E+21	2,765397E+21	5,602923E+21
4	9,345632E+21	1,299033E+22	1,532957E+22	1,532927E+22	1,298971E+22	9,345188E+21	5,602766E+21	2,765373E+21	1,362662E+21	1,362767E+21	2,765697E+21	5,603236E+21
5	9,345658E+21	1,298993E+22	1,532888E+22	1,532873E+22	1,298963E+22	9,345431E+21	5,603105E+21	2,765632E+21	1,362758E+21	1,362696E+21	2,765408E+21	5,602717E+21
6	9,345060E+21	1,298968E+22	1,532935E+22	1,532955E+22	1,299019E+22	9,345601E+21	5,603057E+21	2,765574E+21	1,362753E+21	1,362737E+21	2,765547E+21	5,603083E+21
7	9,345700E+21	1,299027E+22	1,532953E+22	1,532930E+22	1,298974E+22	9,345191E+21	5,602755E+21	2,765362E+21	1,362631E+21	1,362698E+21	2,765575E+21	5,603060E+21
8	9,345434E+21	1,298969E+22	1,532896E+22	1,532938E+22	1,299033E+22	9,345787E+21	5,603147E+21	2,765509E+21	1,362573E+21	1,362472E+21	2,765196E+21	5,602674E+21
9	9,345347E+21	1,299024E+22	1,532987E+22	1,532992E+22	1,299043E+22	9,345597E+21	5,602803E+21	2,765193E+21	1,362392E+21	1,362434E+21	2,765359E+21	5,603110E+21
10	9,345903E+21	1,299061E+22	1,532994E+22	1,532961E+22	1,298998E+22	9,345404E+21	5,602774E+21	2,765117E+21	1,362245E+21	1,362244E+21	2,765076E+21	5,602679E+21
11	9,345372E+21	1,299009E+22	1,532986E+22	1,533031E+22	1,299085E+22	9,345950E+21	5,603026E+21	2,765193E+21	1,362199E+21	1,362101E+21	2,764867E+21	5,602512E+21
12	9,345574E+21	1,299093E+22	1,533074E+22	1,533060E+22	1,299064E+22	9,345445E+21	5,602494E+21	2,764818E+21	1,362027E+21	1,362116E+21	2,765114E+21	5,602926E+21
13	9,345795E+21	1,299071E+22	1,533023E+22	1,533012E+22	1,299055E+22	9,345661E+21	5,602723E+21	2,764923E+21	1,362003E+21	1,361976E+21	2,764822E+21	5,602497E+21
14	9,345275E+21	1,299027E+22	1,533037E+22	1,533076E+22	1,299111E+22	9,345991E+21	5,602863E+21	2,764980E+21	1,362039E+21	1,362011E+21	2,764905E+21	5,602785E+21
15	9,345949E+21	1,299103E+22	1,533062E+22	1,533046E+22	1,299051E+22	9,345405E+21	5,602489E+21	2,764797E+21	1,362004E+21	1,362100E+21	2,765091E+21	5,602917E+21
16	9,345811E+21	1,299054E+22	1,532985E+22	1,532997E+22	1,299061E+22	9,345808E+21	5,602930E+21	2,765131E+21	1,362166E+21	1,362086E+21	2,764868E+21	5,602491E+21
17	9,345366E+21	1,299052E+22	1,533036E+22	1,533031E+22	1,299060E+22	9,345658E+21	5,602799E+21	2,765135E+21	1,362306E+21	1,362335E+21	2,765237E+21	5,602975E+21
18	9,345822E+21	1,299065E+22	1,533010E+22	1,532973E+22	1,298989E+22	9,345224E+21	5,602711E+21	2,765221E+21	1,362451E+21	1,362510E+21	2,765372E+21	5,602866E+21
19	9,345284E+21	1,298962E+22	1,532905E+22	1,532953E+22	1,299038E+22	9,345812E+21	5,603201E+21	2,765615E+21	1,362719E+21	1,362650E+21	2,765371E+21	5,602735E+21
20	9,345235E+21	1,298997E+22	1,532940E+22	1,532937E+22	1,298996E+22	9,345342E+21	5,602852E+21	2,765485E+21	1,362798E+21	1,362900E+21	2,765822E+21	5,603338E+21
21	9,345664E+21	1,298981E+22	1,532864E+22	1,532836E+22	1,298929E+22	9,345244E+21	5,603063E+21	2,765723E+21	1,362954E+21	1,362964E+21	2,765714E+21	5,602957E+21
22	9,345012E+21	1,298905E+22	1,532828E+22	1,532861E+22	1,298972E+22	9,345617E+21	5,603384E+21	2,765990E+21	1,363139E+21	1,363071E+21	2,765764E+21	5,603051E+21
23	9,345399E+21	1,298975E+22	1,532877E+22	1,532855E+22	1,298921E+22	9,344975E+21	5,602922E+21	2,765783E+21	1,363131E+21	1,363215E+21	2,766054E+21	5,603337E+21
24	9,345381E+21	1,298930E+22	1,532804E+22	1,532804E+22	1,298925E+22	9,345335E+21	5,603284E+21	2,766013E+21	1,363198E+21	1,363126E+21	2,765780E+21	5,602887E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,344853E+21	1,298905E+22	1,532844E+22	1,532866E+22	1,298964E+22	9,345441E+21	5,603215E+21	2,765925E+21	1,363167E+21	1,363158E+21	2,765929E+21	5,603288E+21
26	9,345559E+21	1,298971E+22	1,532870E+22	1,532850E+22	1,298918E+22	9,345004E+21	5,602916E+21	2,765698E+21	1,363011E+21	1,363081E+21	2,765906E+21	5,603218E+21
27	9,345312E+21	1,298921E+22	1,532810E+22	1,532852E+22	1,298981E+22	9,345651E+21	5,603311E+21	2,765845E+21	1,362955E+21	1,362856E+21	2,765524E+21	5,602790E+21
28	9,345151E+21	1,298983E+22	1,532924E+22	1,532914E+22	1,298984E+22	9,345381E+21	5,602921E+21	2,765505E+21	1,362754E+21	1,362795E+21	2,765665E+21	5,603225E+21
29	9,345732E+21	1,299018E+22	1,532932E+22	1,532896E+22	1,298949E+22	9,345172E+21	5,602854E+21	2,765410E+21	1,362610E+21	1,362623E+21	2,765402E+21	5,602778E+21
30	9,345106E+21	1,298949E+22	1,532904E+22	1,532952E+22	1,299033E+22	9,345757E+21	5,603161E+21	2,765542E+21	1,362604E+21	1,362510E+21	2,765243E+21	5,602712E+21
31	9,345387E+21	1,299028E+22	1,532981E+22	1,532984E+22	1,299024E+22	9,345331E+21	5,602646E+21	2,765167E+21	1,362440E+21	1,362530E+21	2,765480E+21	5,603131E+21
32	9,345687E+21	1,299017E+22	1,532931E+22	1,532922E+22	1,299003E+22	9,345548E+21	5,602914E+21	2,765287E+21	1,362414E+21	1,362381E+21	2,765176E+21	5,602701E+21
33	9,345200E+21	1,298980E+22	1,532947E+22	1,532969E+22	1,299034E+22	9,345714E+21	5,603022E+21	2,765370E+21	1,362483E+21	1,362446E+21	2,765266E+21	5,602937E+21
34	9,345799E+21	1,299057E+22	1,532989E+22	1,532961E+22	1,298980E+22	9,345109E+21	5,602646E+21	2,765204E+21	1,362469E+21	1,362557E+21	2,765455E+21	5,603011E+21
35	9,345544E+21	1,298995E+22	1,532900E+22	1,532915E+22	1,299005E+22	9,345595E+21	5,603100E+21	2,765560E+21	1,362670E+21	1,362595E+21	2,765300E+21	5,602613E+21
36	9,345009E+21	1,298984E+22	1,532949E+22	1,532948E+22	1,299006E+22	9,345458E+21	5,602951E+21	2,765538E+21	1,362791E+21	1,362831E+21	2,765680E+21	5,603179E+21
37	9,345585E+21	1,298994E+22	1,532909E+22	1,532881E+22	1,298935E+22	9,345064E+21	5,602871E+21	2,765604E+21	1,362920E+21	1,362999E+21	2,765805E+21	5,603057E+21
38	9,345044E+21	1,298889E+22	1,532792E+22	1,532841E+22	1,298969E+22	9,345640E+21	5,603439E+21	2,766063E+21	1,363208E+21	1,363132E+21	2,765798E+21	5,602958E+21
39	9,345075E+21	1,298931E+22	1,532833E+22	1,532837E+22	1,298936E+22	9,345165E+21	5,603065E+21	2,765934E+21	1,363293E+21	1,363373E+21	2,766203E+21	5,603483E+21
40	9,345475E+21	1,298925E+22	1,532772E+22	1,532739E+22	1,298865E+22	9,345063E+21	5,603280E+21	2,766167E+21	1,363443E+21	1,363433E+21	2,766104E+21	5,603115E+21
41	9,344797E+21	1,298846E+22	1,532741E+22	1,532765E+22	1,298897E+22	9,345296E+21	5,603524E+21	2,766415E+21	1,363634E+21	1,363563E+21	2,766193E+21	5,603238E+21
42	9,345178E+21	1,298912E+22	1,532793E+22	1,532776E+22	1,298863E+22	9,344721E+21	5,603048E+21	2,766164E+21	1,363594E+21	1,363690E+21	2,766477E+21	5,603541E+21
43	9,345192E+21	1,298865E+22	1,532707E+22	1,532716E+22	1,298878E+22	9,345212E+21	5,603439E+21	2,766366E+21	1,363628E+21	1,363578E+21	2,766195E+21	5,603102E+21
44	9,344717E+21	1,298856E+22	1,532765E+22	1,532779E+22	1,298906E+22	9,345259E+21	5,603346E+21	2,766237E+21	1,363537E+21	1,363535E+21	2,766262E+21	5,603473E+21
45	9,345501E+21	1,298932E+22	1,532797E+22	1,532770E+22	1,298865E+22	9,344812E+21	5,603024E+21	2,765990E+21	1,363359E+21	1,363430E+21	2,766178E+21	5,603274E+21
46	9,345096E+21	1,298876E+22	1,532742E+22	1,532772E+22	1,298925E+22	9,345467E+21	5,603479E+21	2,766198E+21	1,363334E+21	1,363220E+21	2,765818E+21	5,602873E+21
47	9,344898E+21	1,298924E+22	1,532851E+22	1,532854E+22	1,298948E+22	9,345225E+21	5,603058E+21	2,765854E+21	1,363151E+21	1,363176E+21	2,765965E+21	5,603295E+21
48	9,345449E+21	1,298954E+22	1,532849E+22	1,532826E+22	1,298913E+22	9,345101E+21	5,603022E+21	2,765753E+21	1,363002E+21	1,363010E+21	2,765751E+21	5,602965E+21
49	9,344932E+21	1,298887E+22	1,532812E+22	1,532859E+22	1,298972E+22	9,345549E+21	5,603298E+21	2,765882E+21	1,363005E+21	1,362918E+21	2,765619E+21	5,602940E+21
50	9,345307E+21	1,298976E+22	1,532897E+22	1,532895E+22	1,298959E+22	9,345096E+21	5,602798E+21	2,765518E+21	1,362842E+21	1,362935E+21	2,765829E+21	5,603306E+21
51	9,345596E+21	1,298971E+22	1,532847E+22	1,532830E+22	1,298944E+22	9,345361E+21	5,603072E+21	2,765656E+21	1,362844E+21	1,362815E+21	2,765543E+21	5,602829E+21
52	9,345016E+21	1,298941E+22	1,532883E+22	1,532886E+22	1,298969E+22	9,345448E+21	5,603143E+21	2,765734E+21	1,362915E+21	1,362879E+21	2,765627E+21	5,603060E+21
53	9,345579E+21	1,299004E+22	1,532918E+22	1,532890E+22	1,298929E+22	9,344869E+21	5,602751E+21	2,765574E+21	1,362927E+21	1,363024E+21	2,765843E+21	5,603116E+21
54	9,345206E+21	1,298920E+22	1,532804E+22	1,532826E+22	1,298953E+22	9,345446E+21	5,603296E+21	2,765995E+21	1,363170E+21	1,363099E+21	2,765756E+21	5,602838E+21
55	9,344759E+21	1,298898E+22	1,532834E+22	1,532855E+22	1,298960E+22	9,345365E+21	5,603175E+21	2,765981E+21	1,363297E+21	1,363330E+21	2,766109E+21	5,603383E+21
56	9,345400E+21	1,298923E+22	1,532796E+22	1,532771E+22	1,298873E+22	9,344953E+21	5,603131E+21	2,766061E+21	1,363416E+21	1,363483E+21	2,766230E+21	5,603290E+21
57	9,344912E+21	1,298829E+22	1,532687E+22	1,532717E+22	1,298880E+22	9,345321E+21	5,603625E+21	2,766520E+21	1,363721E+21	1,363633E+21	2,766222E+21	5,603149E+21
58	9,344912E+21	1,298875E+22	1,532747E+22	1,532737E+22	1,298855E+22	9,344838E+21	5,603230E+21	2,766372E+21	1,363800E+21	1,363876E+21	2,766618E+21	5,603626E+21
59	9,345237E+21	1,298863E+22	1,532683E+22	1,532651E+22	1,298805E+22	9,344821E+21	5,603416E+21	2,766577E+21	1,363941E+21	1,363945E+21	2,766553E+21	5,603282E+21
60	9,344543E+21	1,298787E+22	1,532659E+22	1,532682E+22	1,298842E+22	9,345075E+21	5,603622E+21	2,766759E+21	1,364070E+21	1,364017E+21	2,766608E+21	5,603462E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,345049E+21	1,298857E+22	1,532709E+22	1,532697E+22	1,298816E+22	9,344576E+21	5,603164E+21	2,766479E+21	1,363986E+21	1,364096E+21	2,766829E+21	5,603700E+21
62	9,345032E+21	1,298810E+22	1,532621E+22	1,532627E+22	1,298823E+22	9,345086E+21	5,603635E+21	2,766728E+21	1,364019E+21	1,363958E+21	2,766521E+21	5,603258E+21
63	9,344576E+21	1,298800E+22	1,532682E+22	1,532704E+22	1,298864E+22	9,345157E+21	5,603539E+21	2,766600E+21	1,363925E+21	1,363896E+21	2,766527E+21	5,603516E+21
64	9,345281E+21	1,298884E+22	1,532729E+22	1,532698E+22	1,298817E+22	9,344699E+21	5,603218E+21	2,766353E+21	1,363746E+21	1,363795E+21	2,766477E+21	5,603363E+21
65	9,344832E+21	1,298817E+22	1,532665E+22	1,532688E+22	1,298860E+22	9,345192E+21	5,603595E+21	2,766555E+21	1,363749E+21	1,363631E+21	2,766179E+21	5,603026E+21
66	9,344682E+21	1,298860E+22	1,532767E+22	1,532775E+22	1,298895E+22	9,345032E+21	5,603178E+21	2,766185E+21	1,363557E+21	1,363595E+21	2,766344E+21	5,603488E+21
67	9,345307E+21	1,298894E+22	1,532755E+22	1,532735E+22	1,298861E+22	9,344955E+21	5,603154E+21	2,766079E+21	1,363404E+21	1,363433E+21	2,766142E+21	5,603174E+21
68	9,344860E+21	1,298847E+22	1,532737E+22	1,532769E+22	1,298907E+22	9,345293E+21	5,603388E+21	2,766188E+21	1,363379E+21	1,363301E+21	2,765957E+21	5,603128E+21
69	9,345270E+21	1,298941E+22	1,532831E+22	1,532816E+22	1,298901E+22	9,344848E+21	5,602883E+21	2,765836E+21	1,363230E+21	1,363321E+21	2,766130E+21	5,603370E+21
70	9,345363E+21	1,298922E+22	1,532780E+22	1,532753E+22	1,298887E+22	9,345158E+21	5,603237E+21	2,766047E+21	1,363284E+21	1,363247E+21	2,765900E+21	5,602934E+21
71	9,344724E+21	1,298869E+22	1,532800E+22	1,532823E+22	1,298933E+22	9,345332E+21	5,603325E+21	2,766145E+21	1,363388E+21	1,363341E+21	2,765999E+21	5,603150E+21
72	9,345247E+21	1,298929E+22	1,532820E+22	1,532806E+22	1,298888E+22	9,344842E+21	5,602990E+21	2,765999E+21	1,363407E+21	1,363502E+21	2,766274E+21	5,603329E+21
73	9,344962E+21	1,298841E+22	1,532691E+22	1,532711E+22	1,298880E+22	9,345253E+21	5,603517E+21	2,766443E+21	1,363676E+21	1,363608E+21	2,766216E+21	5,603099E+21
74	9,344639E+21	1,298829E+22	1,532722E+22	1,532740E+22	1,298883E+22	9,345143E+21	5,603392E+21	2,766428E+21	1,363803E+21	1,363836E+21	2,766545E+21	5,603590E+21
75	9,345267E+21	1,298863E+22	1,532691E+22	1,532656E+22	1,298798E+22	9,344717E+21	5,603323E+21	2,766510E+21	1,363933E+21	1,364003E+21	2,766679E+21	5,603469E+21
76	9,344748E+21	1,298782E+22	1,532609E+22	1,532618E+22	1,298799E+22	9,344955E+21	5,603727E+21	2,766920E+21	1,364206E+21	1,364125E+21	2,766652E+21	5,603342E+21
77	9,344744E+21	1,298820E+22	1,532669E+22	1,532656E+22	1,298794E+22	9,344535E+21	5,603302E+21	2,766745E+21	1,364272E+21	1,364357E+21	2,767030E+21	5,603774E+21
78	9,344970E+21	1,298795E+22	1,532594E+22	1,532567E+22	1,298754E+22	9,344669E+21	5,603579E+21	2,766966E+21	1,364404E+21	1,364416E+21	2,766982E+21	5,603509E+21
79	9,344375E+21	1,298717E+22	1,532563E+22	1,532604E+22	1,298802E+22	9,344995E+21	5,603814E+21	2,767136E+21	1,364502E+21	1,364440E+21	2,766953E+21	5,603596E+21
80	9,344886E+21	1,298801E+22	1,532619E+22	1,532608E+22	1,298768E+22	9,344527E+21	5,603403E+21	2,766865E+21	1,364393E+21	1,364480E+21	2,767146E+21	5,603825E+21
81	9,344845E+21	1,298756E+22	1,532538E+22	1,532531E+22	1,298753E+22	9,344859E+21	5,603811E+21	2,767115E+21	1,364440E+21	1,364358E+21	2,766839E+21	5,603355E+21
82	9,344365E+21	1,298744E+22	1,532605E+22	1,532625E+22	1,298802E+22	9,344933E+21	5,603697E+21	2,766969E+21	1,364344E+21	1,364306E+21	2,766856E+21	5,603584E+21
83	9,344986E+21	1,298819E+22	1,532645E+22	1,532622E+22	1,298769E+22	9,344531E+21	5,603349E+21	2,766700E+21	1,364162E+21	1,364223E+21	2,766859E+21	5,603501E+21
84	9,344613E+21	1,298763E+22	1,532588E+22	1,532609E+22	1,298804E+22	9,344962E+21	5,603658E+21	2,766834E+21	1,364114E+21	1,364019E+21	2,766550E+21	5,603253E+21
85	9,344615E+21	1,298813E+22	1,532689E+22	1,532697E+22	1,298842E+22	9,344832E+21	5,603248E+21	2,766456E+21	1,363904E+21	1,363957E+21	2,766664E+21	5,603647E+21
86	9,345210E+21	1,298849E+22	1,532678E+22	1,532653E+22	1,298807E+22	9,344796E+21	5,603300E+21	2,766402E+21	1,363771E+21	1,363801E+21	2,766467E+21	5,603342E+21
87	9,344774E+21	1,298800E+22	1,532665E+22	1,532701E+22	1,298863E+22	9,345161E+21	5,603544E+21	2,766534E+21	1,363771E+21	1,363675E+21	2,766241E+21	5,603182E+21
88	9,345057E+21	1,298895E+22	1,532765E+22	1,532748E+22	1,298856E+22	9,344750E+21	5,603089E+21	2,766225E+21	1,363654E+21	1,363730E+21	2,766473E+21	5,603477E+21
89	9,345068E+21	1,298855E+22	1,532695E+22	1,532670E+22	1,298826E+22	9,344930E+21	5,603399E+21	2,766464E+21	1,363766E+21	1,363729E+21	2,766327E+21	5,603125E+21
90	9,344485E+21	1,298792E+22	1,532695E+22	1,532728E+22	1,298876E+22	9,345200E+21	5,603530E+21	2,766563E+21	1,363883E+21	1,363850E+21	2,766454E+21	5,603362E+21
91	9,345043E+21	1,298854E+22	1,532705E+22	1,532695E+22	1,298823E+22	9,344704E+21	5,603210E+21	2,766432E+21	1,363910E+21	1,364020E+21	2,766743E+21	5,603563E+21
92	9,344857E+21	1,298789E+22	1,532592E+22	1,532595E+22	1,298794E+22	9,344936E+21	5,603657E+21	2,766846E+21	1,364154E+21	1,364092E+21	2,766643E+21	5,603323E+21
93	9,344571E+21	1,298784E+22	1,532636E+22	1,532638E+22	1,298805E+22	9,344815E+21	5,603499E+21	2,766828E+21	1,364283E+21	1,364312E+21	2,766927E+21	5,603699E+21
94	9,345030E+21	1,298807E+22	1,532608E+22	1,532566E+22	1,298728E+22	9,344434E+21	5,603474E+21	2,766941E+21	1,364434E+21	1,364499E+21	2,767103E+21	5,603624E+21
95	9,344478E+21	1,298709E+22	1,532519E+22	1,532548E+22	1,298755E+22	9,344785E+21	5,603880E+21	2,767332E+21	1,364696E+21	1,364607E+21	2,767050E+21	5,603471E+21
96	9,344465E+21	1,298751E+22	1,532577E+22	1,532576E+22	1,298752E+22	9,344492E+21	5,603530E+21	2,767154E+21	1,364733E+21	1,364816E+21	2,767442E+21	5,603975E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,344737E+21	1,298722E+22	1,532493E+22	1,532467E+22	1,298688E+22	9,344497E+21	5,603792E+21	2,767385E+21	1,364870E+21	1,364875E+21	2,767381E+21	5,603709E+21
98	9,344239E+21	1,298655E+22	1,532463E+22	1,532505E+22	1,298740E+22	9,344867E+21	5,604041E+21	2,767540E+21	1,364950E+21	1,364879E+21	2,767310E+21	5,603706E+21
99	9,344676E+21	1,298746E+22	1,532529E+22	1,532512E+22	1,298707E+22	9,344376E+21	5,603604E+21	2,767263E+21	1,364837E+21	1,364919E+21	2,767504E+21	5,603915E+21
100	9,344623E+21	1,298710E+22	1,532467E+22	1,532448E+22	1,298683E+22	9,344545E+21	5,603898E+21	2,767451E+21	1,364846E+21	1,364771E+21	2,767204E+21	5,603512E+21
101	9,344188E+21	1,298691E+22	1,532528E+22	1,532553E+22	1,298749E+22	9,344665E+21	5,603734E+21	2,767266E+21	1,364730E+21	1,364705E+21	2,767211E+21	5,603732E+21
102	9,344769E+21	1,298757E+22	1,532557E+22	1,532543E+22	1,298721E+22	9,344377E+21	5,603464E+21	2,767005E+21	1,364536E+21	1,364616E+21	2,767241E+21	5,603749E+21
103	9,344541E+21	1,298707E+22	1,532504E+22	1,532538E+22	1,298762E+22	9,344838E+21	5,603786E+21	2,767130E+21	1,364466E+21	1,364372E+21	2,766855E+21	5,603408E+21
104	9,344559E+21	1,298777E+22	1,532619E+22	1,532619E+22	1,298793E+22	9,344734E+21	5,603435E+21	2,766786E+21	1,364259E+21	1,364299E+21	2,766955E+21	5,603770E+21
105	9,345056E+21	1,298806E+22	1,532611E+22	1,532573E+22	1,298741E+22	9,344559E+21	5,603452E+21	2,766767E+21	1,364180E+21	1,364193E+21	2,766779E+21	5,603435E+21
106	9,344572E+21	1,298749E+22	1,532593E+22	1,532628E+22	1,298810E+22	9,344997E+21	5,603720E+21	2,766914E+21	1,364212E+21	1,364113E+21	2,766592E+21	5,603242E+21
107	9,344721E+21	1,298825E+22	1,532674E+22	1,532670E+22	1,298811E+22	9,344654E+21	5,603282E+21	2,766626E+21	1,364123E+21	1,364206E+21	2,766885E+21	5,603617E+21
108	9,344818E+21	1,298792E+22	1,532602E+22	1,532579E+22	1,298763E+22	9,344723E+21	5,603541E+21	2,766832E+21	1,364215E+21	1,364196E+21	2,766765E+21	5,603379E+21
109	9,344382E+21	1,298731E+22	1,532592E+22	1,532628E+22	1,298809E+22	9,344966E+21	5,603669E+21	2,766943E+21	1,364334E+21	1,364305E+21	2,766853E+21	5,603544E+21
110	9,344873E+21	1,298793E+22	1,532604E+22	1,532590E+22	1,298753E+22	9,344495E+21	5,603407E+21	2,766854E+21	1,364384E+21	1,364492E+21	2,767162E+21	5,603771E+21
111	9,344717E+21	1,298732E+22	1,532505E+22	1,532507E+22	1,298729E+22	9,344691E+21	5,603817E+21	2,767263E+21	1,364636E+21	1,364561E+21	2,767018E+21	5,603428E+21
112	9,344331E+21	1,298729E+22	1,532556E+22	1,532553E+22	1,298743E+22	9,344608E+21	5,603695E+21	2,767268E+21	1,364778E+21	1,364798E+21	2,767349E+21	5,603851E+21
113	9,344713E+21	1,298732E+22	1,532512E+22	1,532476E+22	1,298664E+22	9,344184E+21	5,603631E+21	2,767384E+21	1,364960E+21	1,365025E+21	2,767568E+21	5,603848E+21
114	9,344268E+21	1,298634E+22	1,532410E+22	1,532450E+22	1,298699E+22	9,344674E+21	5,604089E+21	2,767754E+21	1,365203E+21	1,365125E+21	2,767504E+21	5,603674E+21
115	9,344258E+21	1,298680E+22	1,532466E+22	1,532471E+22	1,298692E+22	9,344398E+21	5,603779E+21	2,767590E+21	1,365223E+21	1,365306E+21	2,767863E+21	5,604159E+21
116	9,344613E+21	1,298674E+22	1,532402E+22	1,532365E+22	1,298612E+22	9,344225E+21	5,603941E+21	2,767765E+21	1,365310E+21	1,365315E+21	2,767757E+21	5,603880E+21
117	9,344119E+21	1,298609E+22	1,532382E+22	1,532417E+22	1,298672E+22	9,344577E+21	5,604143E+21	2,767895E+21	1,365369E+21	1,365290E+21	2,767638E+21	5,603771E+21
118	9,344377E+21	1,298686E+22	1,532450E+22	1,532435E+22	1,298650E+22	9,344157E+21	5,603738E+21	2,767617E+21	1,365250E+21	1,365334E+21	2,767872E+21	5,604060E+21
119	9,344372E+21	1,298643E+22	1,532385E+22	1,532385E+22	1,298644E+22	9,344383E+21	5,604002E+21	2,767762E+21	1,365226E+21	1,365155E+21	2,767538E+21	5,603652E+21
120	9,344005E+21	1,298638E+22	1,532448E+22	1,532479E+22	1,298707E+22	9,344594E+21	5,603908E+21	2,767580E+21	1,365083E+21	1,365064E+21	2,767554E+21	5,603934E+21
121	9,344639E+21	1,298704E+22	1,532473E+22	1,532458E+22	1,298662E+22	9,344187E+21	5,603616E+21	2,767340E+21	1,364911E+21	1,364985E+21	2,767568E+21	5,603944E+21
122	9,344500E+21	1,298667E+22	1,532426E+22	1,532455E+22	1,298709E+22	9,344710E+21	5,603960E+21	2,767466E+21	1,364848E+21	1,364748E+21	2,767157E+21	5,603500E+21
123	9,344390E+21	1,298736E+22	1,532549E+22	1,532543E+22	1,298739E+22	9,344598E+21	5,603629E+21	2,767159E+21	1,364672E+21	1,364702E+21	2,767274E+21	5,603834E+21
124	9,344833E+21	1,298763E+22	1,532547E+22	1,532503E+22	1,298679E+22	9,344273E+21	5,603553E+21	2,767111E+21	1,364594E+21	1,364613E+21	2,767144E+21	5,603576E+21
125	9,344351E+21	1,298691E+22	1,532510E+22	1,532556E+22	1,298762E+22	9,344779E+21	5,603811E+21	2,767259E+21	1,364642E+21	1,364552E+21	2,766979E+21	5,603386E+21
126	9,344431E+21	1,298753E+22	1,532573E+22	1,532580E+22	1,298759E+22	9,344524E+21	5,603461E+21	2,767004E+21	1,364569E+21	1,364666E+21	2,767313E+21	5,603855E+21
127	9,344661E+21	1,298722E+22	1,532498E+22	1,532488E+22	1,298706E+22	9,344552E+21	5,603722E+21	2,767221E+21	1,364662E+21	1,364639E+21	2,767142E+21	5,603554E+21
128	9,344258E+21	1,298683E+22	1,532500E+22	1,532528E+22	1,298742E+22	9,344783E+21	5,603885E+21	2,767365E+21	1,364793E+21	1,364753E+21	2,767241E+21	5,603706E+21
129	9,344647E+21	1,298733E+22	1,532512E+22	1,532488E+22	1,298672E+22	9,344176E+21	5,603577E+21	2,767307E+21	1,364898E+21	1,364992E+21	2,767579E+21	5,603931E+21
130	9,344484E+21	1,298668E+22	1,532412E+22	1,532416E+22	1,298666E+22	9,344478E+21	5,603994E+21	2,767701E+21	1,365162E+21	1,365091E+21	2,767464E+21	5,603566E+21
131	9,344012E+21	1,298655E+22	1,532454E+22	1,532462E+22	1,298688E+22	9,344470E+21	5,603902E+21	2,767715E+21	1,365307E+21	1,365335E+21	2,767816E+21	5,604046E+21
132	9,344495E+21	1,298667E+22	1,532411E+22	1,532378E+22	1,298597E+22	9,343959E+21	5,603788E+21	2,767782E+21	1,365443E+21	1,365526E+21	2,768026E+21	5,604108E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,344167E+21	1,298576E+22	1,532308E+22	1,532351E+22	1,298636E+22	9,344457E+21	5,604244E+21	2,768146E+21	1,365660E+21	1,365582E+21	2,767895E+21	5,603835E+21
134	9,344058E+21	1,298621E+22	1,532369E+22	1,532372E+22	1,298629E+22	9,344231E+21	5,603987E+21	2,767998E+21	1,365673E+21	1,365749E+21	2,768242E+21	5,604319E+21
135	9,344422E+21	1,298616E+22	1,532321E+22	1,532288E+22	1,298555E+22	9,344016E+21	5,604109E+21	2,768148E+21	1,365738E+21	1,365729E+21	2,768090E+21	5,603970E+21
136	9,343880E+21	1,298557E+22	1,532307E+22	1,532341E+22	1,298618E+22	9,344388E+21	5,604310E+21	2,768268E+21	1,365782E+21	1,365701E+21	2,768010E+21	5,603917E+21
137	9,344081E+21	1,298616E+22	1,532359E+22	1,532352E+22	1,298594E+22	9,343937E+21	5,603863E+21	2,767978E+21	1,365677E+21	1,365763E+21	2,768265E+21	5,604287E+21
138	9,344245E+21	1,298585E+22	1,532292E+22	1,532296E+22	1,298593E+22	9,344276E+21	5,604155E+21	2,768087E+21	1,365625E+21	1,365566E+21	2,767904E+21	5,603841E+21
139	9,343896E+21	1,298589E+22	1,532363E+22	1,532390E+22	1,298652E+22	9,344468E+21	5,604098E+21	2,767932E+21	1,365477E+21	1,365451E+21	2,767876E+21	5,604081E+21
140	9,344587E+21	1,298674E+22	1,532408E+22	1,532378E+22	1,298597E+22	9,343915E+21	5,603716E+21	2,767654E+21	1,365280E+21	1,365349E+21	2,767867E+21	5,604068E+21
141	9,344399E+21	1,298635E+22	1,532367E+22	1,532388E+22	1,298654E+22	9,344434E+21	5,604038E+21	2,767783E+21	1,365226E+21	1,365116E+21	2,767441E+21	5,603530E+21
142	9,344057E+21	1,298676E+22	1,532478E+22	1,532480E+22	1,298697E+22	9,344444E+21	5,603777E+21	2,767507E+21	1,365074E+21	1,365105E+21	2,767623E+21	5,603947E+21
143	9,344524E+21	1,298692E+22	1,532466E+22	1,532443E+22	1,298645E+22	9,344156E+21	5,603692E+21	2,767443E+21	1,364993E+21	1,365017E+21	2,767496E+21	5,603717E+21
144	9,344122E+21	1,298629E+22	1,532417E+22	1,532469E+22	1,298712E+22	9,344698E+21	5,604024E+21	2,767625E+21	1,365048E+21	1,364968E+21	2,767371E+21	5,603594E+21
145	9,344221E+21	1,298683E+22	1,532467E+22	1,532476E+22	1,298691E+22	9,344322E+21	5,603658E+21	2,767416E+21	1,365027E+21	1,365117E+21	2,767711E+21	5,604079E+21
146	9,344573E+21	1,298669E+22	1,532398E+22	1,532379E+22	1,298638E+22	9,344366E+21	5,603913E+21	2,767637E+21	1,365144E+21	1,365118E+21	2,767541E+21	5,603701E+21
147	9,344057E+21	1,298629E+22	1,532413E+22	1,532429E+22	1,298669E+22	9,344538E+21	5,604088E+21	2,767820E+21	1,365308E+21	1,365261E+21	2,767659E+21	5,603853E+21
148	9,344437E+21	1,298679E+22	1,532429E+22	1,532399E+22	1,298599E+22	9,343814E+21	5,603676E+21	2,767717E+21	1,365404E+21	1,365510E+21	2,768042E+21	5,604158E+21
149	9,344297E+21	1,298605E+22	1,532317E+22	1,532327E+22	1,298607E+22	9,344209E+21	5,604093E+21	2,768093E+21	1,365656E+21	1,365601E+21	2,767920E+21	5,603775E+21
150	9,343769E+21	1,298582E+22	1,532347E+22	1,532363E+22	1,298631E+22	9,344339E+21	5,604112E+21	2,768131E+21	1,365792E+21	1,365833E+21	2,768271E+21	5,604293E+21
151	9,344343E+21	1,298601E+22	1,532312E+22	1,532287E+22	1,298540E+22	9,343796E+21	5,603994E+21	2,768192E+21	1,365904E+21	1,365977E+21	2,768397E+21	5,604256E+21
152	9,344010E+21	1,298529E+22	1,532223E+22	1,532254E+22	1,298573E+22	9,344300E+21	5,604475E+21	2,768570E+21	1,366112E+21	1,366021E+21	2,768263E+21	5,603949E+21
153	9,343755E+21	1,298554E+22	1,532280E+22	1,532279E+22	1,298559E+22	9,343969E+21	5,604170E+21	2,768437E+21	1,366155E+21	1,366210E+21	2,768616E+21	5,604440E+21
154	9,344153E+21	1,298549E+22	1,532227E+22	1,532200E+22	1,298502E+22	9,343853E+21	5,604273E+21	2,768545E+21	1,366207E+21	1,366196E+21	2,768485E+21	5,604101E+21
155	9,343591E+21	1,298489E+22	1,532214E+22	1,532254E+22	1,298567E+22	9,344251E+21	5,604491E+21	2,768653E+21	1,366228E+21	1,366148E+21	2,768403E+21	5,604117E+21
156	9,343957E+21	1,298562E+22	1,532271E+22	1,532261E+22	1,298531E+22	9,343692E+21	5,603972E+21	2,768301E+21	1,366068E+21	1,366166E+21	2,768637E+21	5,604526E+21
157	9,344224E+21	1,298545E+22	1,532215E+22	1,532215E+22	1,298538E+22	9,344037E+21	5,604243E+21	2,768389E+21	1,365987E+21	1,365928E+21	2,768211E+21	5,603972E+21
158	9,343766E+21	1,298549E+22	1,532295E+22	1,532313E+22	1,298600E+22	9,344300E+21	5,604238E+21	2,768253E+21	1,365842E+21	1,365813E+21	2,768175E+21	5,604185E+21
159	9,344392E+21	1,298627E+22	1,532350E+22	1,532322E+22	1,298554E+22	9,343728E+21	5,603839E+21	2,767972E+21	1,365646E+21	1,365703E+21	2,768140E+21	5,604112E+21
160	9,344141E+21	1,298586E+22	1,532304E+22	1,532328E+22	1,298615E+22	9,344304E+21	5,604187E+21	2,768117E+21	1,365606E+21	1,365502E+21	2,767791E+21	5,603655E+21
161	9,343721E+21	1,298598E+22	1,532382E+22	1,532399E+22	1,298649E+22	9,344294E+21	5,603934E+21	2,767876E+21	1,365503E+21	1,365536E+21	2,768011E+21	5,604156E+21
162	9,344355E+21	1,298625E+22	1,532360E+22	1,532342E+22	1,298593E+22	9,344083E+21	5,603893E+21	2,767817E+21	1,365430E+21	1,365464E+21	2,767894E+21	5,603921E+21
163	9,343991E+21	1,298574E+22	1,532319E+22	1,532360E+22	1,298644E+22	9,344521E+21	5,604243E+21	2,768043E+21	1,365508E+21	1,365420E+21	2,767750E+21	5,603782E+21
164	9,344153E+21	1,298640E+22	1,532382E+22	1,532371E+22	1,298609E+22	9,343968E+21	5,603774E+21	2,767804E+21	1,365486E+21	1,365575E+21	2,768100E+21	5,604261E+21
165	9,344456E+21	1,298625E+22	1,532324E+22	1,532293E+22	1,298568E+22	9,344004E+21	5,603991E+21	2,768020E+21	1,365613E+21	1,365589E+21	2,767932E+21	5,603815E+21
166	9,343761E+21	1,298564E+22	1,532328E+22	1,532348E+22	1,298615E+22	9,344314E+21	5,604224E+21	2,768222E+21	1,365794E+21	1,365757E+21	2,768099E+21	5,604040E+21
167	9,344163E+21	1,298605E+22	1,532338E+22	1,532324E+22	1,298555E+22	9,343671E+21	5,603842E+21	2,768111E+21	1,365876E+21	1,365986E+21	2,768455E+21	5,604343E+21
168	9,344097E+21	1,298542E+22	1,532223E+22	1,532235E+22	1,298554E+22	9,344116E+21	5,604337E+21	2,768515E+21	1,366122E+21	1,366073E+21	2,768349E+21	5,603978E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
169	9,343525E+21	1,298505E+22	1,532237E+22	1,532258E+22	1,298566E+22	9,344173E+21	5,604361E+21	2,768601E+21	1,366296E+21	1,366317E+21	2,768675E+21	5,604472E+21
170	9,344176E+21	1,298542E+22	1,532210E+22	1,532177E+22	1,298476E+22	9,343674E+21	5,604237E+21	2,768650E+21	1,366412E+21	1,366471E+21	2,768795E+21	5,604367E+21
171	9,343731E+21	1,298467E+22	1,532132E+22	1,532153E+22	1,298503E+22	9,344087E+21	5,604702E+21	2,769036E+21	1,366624E+21	1,366516E+21	2,768666E+21	5,604090E+21
172	9,343521E+21	1,298489E+22	1,532189E+22	1,532188E+22	1,298491E+22	9,343641E+21	5,604262E+21	2,768823E+21	1,366630E+21	1,366693E+21	2,769052E+21	5,604670E+21
173	9,344004E+21	1,298488E+22	1,532134E+22	1,532112E+22	1,298444E+22	9,343569E+21	5,604333E+21	2,768877E+21	1,366633E+21	1,366639E+21	2,768891E+21	5,604317E+21
174	9,343441E+21	1,298428E+22	1,532121E+22	1,532163E+22	1,298511E+22	9,344075E+21	5,604625E+21	2,768981E+21	1,366621E+21	1,366555E+21	2,768780E+21	5,604348E+21
175	9,343892E+21	1,298516E+22	1,532200E+22	1,532189E+22	1,298480E+22	9,343508E+21	5,604096E+21	2,768608E+21	1,366423E+21	1,366513E+21	2,768918E+21	5,604636E+21
176	9,344130E+21	1,298514E+22	1,532160E+22	1,532144E+22	1,298487E+22	9,343876E+21	5,604391E+21	2,768703E+21	1,366335E+21	1,366272E+21	2,768494E+21	5,604029E+21
177	9,343481E+21	1,298492E+22	1,532226E+22	1,532245E+22	1,298551E+22	9,344120E+21	5,604389E+21	2,768607E+21	1,366237E+21	1,366191E+21	2,768472E+21	5,604252E+21
178	9,344122E+21	1,298566E+22	1,532268E+22	1,532250E+22	1,298520E+22	9,343672E+21	5,603997E+21	2,768316E+21	1,366054E+21	1,366112E+21	2,768479E+21	5,604201E+21
179	9,343840E+21	1,298518E+22	1,532214E+22	1,532242E+22	1,298569E+22	9,344231E+21	5,604393E+21	2,768491E+21	1,366027E+21	1,365923E+21	2,768158E+21	5,603847E+21
180	9,343597E+21	1,298536E+22	1,532285E+22	1,532301E+22	1,298585E+22	9,344064E+21	5,604066E+21	2,768222E+21	1,365912E+21	1,365955E+21	2,768393E+21	5,604394E+21
181	9,344319E+21	1,298578E+22	1,532271E+22	1,532245E+22	1,298526E+22	9,343797E+21	5,603999E+21	2,768167E+21	1,365842E+21	1,365879E+21	2,768255E+21	5,604089E+21
182	9,343864E+21	1,298527E+22	1,532240E+22	1,532267E+22	1,298575E+22	9,344265E+21	5,604383E+21	2,768420E+21	1,365946E+21	1,365860E+21	2,768132E+21	5,603944E+21
183	9,343967E+21	1,298589E+22	1,532317E+22	1,532299E+22	1,298549E+22	9,343693E+21	5,603895E+21	2,768183E+21	1,365935E+21	1,366021E+21	2,768469E+21	5,604378E+21
184	9,344219E+21	1,298570E+22	1,532252E+22	1,532220E+22	1,298519E+22	9,343813E+21	5,604136E+21	2,768407E+21	1,366079E+21	1,366071E+21	2,768369E+21	5,603989E+21
185	9,343446E+21	1,298482E+22	1,532222E+22	1,532255E+22	1,298562E+22	9,344175E+21	5,604420E+21	2,768657E+21	1,366304E+21	1,366268E+21	2,768547E+21	5,604265E+21
186	9,343986E+21	1,298532E+22	1,532222E+22	1,532214E+22	1,298502E+22	9,343630E+21	5,604099E+21	2,768570E+21	1,366396E+21	1,366502E+21	2,768891E+21	5,604525E+21
187	9,343898E+21	1,298478E+22	1,532119E+22	1,532123E+22	1,298485E+22	9,343973E+21	5,604622E+21	2,769014E+21	1,366655E+21	1,366584E+21	2,768763E+21	5,604157E+21
188	9,343375E+21	1,298445E+22	1,532138E+22	1,532147E+22	1,298483E+22	9,343847E+21	5,604527E+21	2,769054E+21	1,366814E+21	1,366825E+21	2,769095E+21	5,604629E+21
189	9,343957E+21	1,298480E+22	1,532120E+22	1,532083E+22	1,298405E+22	9,343335E+21	5,604352E+21	2,769066E+21	1,366905E+21	1,366966E+21	2,769219E+21	5,604507E+21
190	9,343429E+21	1,298395E+22	1,532038E+22	1,532063E+22	1,298442E+22	9,343844E+21	5,604817E+21	2,769413E+21	1,367089E+21	1,366998E+21	2,769110E+21	5,604309E+21
191	9,343302E+21	1,298420E+22	1,532099E+22	1,532104E+22	1,298437E+22	9,343453E+21	5,604381E+21	2,769155E+21	1,367039E+21	1,367112E+21	2,769427E+21	5,604871E+21
192	9,343909E+21	1,298439E+22	1,532055E+22	1,532030E+22	1,298393E+22	9,343431E+21	5,604484E+21	2,769194E+21	1,367004E+21	1,367024E+21	2,769244E+21	5,604497E+21
193	9,343308E+21	1,298374E+22	1,532036E+22	1,532078E+22	1,298456E+22	9,343909E+21	5,604786E+21	2,769335E+21	1,367013E+21	1,366930E+21	2,769082E+21	5,604473E+21
194	9,343786E+21	1,298475E+22	1,532125E+22	1,532107E+22	1,298435E+22	9,343439E+21	5,604287E+21	2,768969E+21	1,366823E+21	1,366895E+21	2,769206E+21	5,604673E+21
195	9,343861E+21	1,298465E+22	1,532099E+22	1,532076E+22	1,298437E+22	9,343734E+21	5,604586E+21	2,769086E+21	1,366750E+21	1,366668E+21	2,768807E+21	5,604123E+21
196	9,343250E+21	1,298429E+22	1,532145E+22	1,532171E+22	1,298499E+22	9,343888E+21	5,604481E+21	2,768937E+21	1,366642E+21	1,366605E+21	2,768841E+21	5,604420E+21
197	9,343936E+21	1,298504E+22	1,532179E+22	1,532168E+22	1,298468E+22	9,343475E+21	5,604097E+21	2,768628E+21	1,366440E+21	1,366517E+21	2,768852E+21	5,604393E+21
198	9,343693E+21	1,298459E+22	1,532122E+22	1,532147E+22	1,298508E+22	9,344054E+21	5,604537E+21	2,768822E+21	1,366417E+21	1,366327E+21	2,768534E+21	5,604066E+21
199	9,343526E+21	1,298491E+22	1,532210E+22	1,532216E+22	1,298522E+22	9,343835E+21	5,604195E+21	2,768559E+21	1,366300E+21	1,366336E+21	2,768707E+21	5,604522E+21
200	9,344228E+21	1,298543E+22	1,532210E+22	1,532168E+22	1,298466E+22	9,343562E+21	5,604127E+21	2,768517E+21	1,366251E+21	1,366291E+21	2,768606E+21	5,604188E+21
201	9,343583E+21	1,298462E+22	1,532161E+22	1,532192E+22	1,298520E+22	9,344029E+21	5,604522E+21	2,768822E+21	1,366416E+21	1,366321E+21	2,768516E+21	5,604074E+21
202	9,343713E+21	1,298521E+22	1,532222E+22	1,532216E+22	1,298509E+22	9,343630E+21	5,604087E+21	2,768600E+21	1,366428E+21	1,366516E+21	2,768890E+21	5,604521E+21
203	9,343921E+21	1,298496E+22	1,532153E+22	1,532125E+22	1,298464E+22	9,343739E+21	5,604398E+21	2,768865E+21	1,366590E+21	1,366577E+21	2,768805E+21	5,604215E+21
204	9,343303E+21	1,298410E+22	1,532110E+22	1,532146E+22	1,298493E+22	9,343969E+21	5,604620E+21	2,769096E+21	1,366809E+21	1,366776E+21	2,768991E+21	5,604487E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,343872E+21	1,298474E+22	1,532120E+22	1,532105E+22	1,298428E+22	9,343369E+21	5,604275E+21	2,769007E+21	1,366895E+21	1,367000E+21	2,769310E+21	5,604683E+21
206	9,343682E+21	1,298415E+22	1,532023E+22	1,532015E+22	1,298407E+22	9,343715E+21	5,604807E+21	2,769456E+21	1,367161E+21	1,367091E+21	2,769202E+21	5,604333E+21
207	9,343129E+21	1,298379E+22	1,532054E+22	1,532062E+22	1,298415E+22	9,343549E+21	5,604653E+21	2,769457E+21	1,367293E+21	1,367304E+21	2,769507E+21	5,604786E+21
208	9,343727E+21	1,298417E+22	1,532034E+22	1,531999E+22	1,298348E+22	9,343103E+21	5,604465E+21	2,769431E+21	1,367359E+21	1,367442E+21	2,769663E+21	5,604716E+21
209	9,343189E+21	1,298318E+22	1,531932E+22	1,531968E+22	1,298384E+22	9,343664E+21	5,604968E+21	2,769790E+21	1,367539E+21	1,367454E+21	2,769522E+21	5,604548E+21
210	9,343232E+21	1,298367E+22	1,532000E+22	1,532005E+22	1,298384E+22	9,343380E+21	5,604586E+21	2,769536E+21	1,367472E+21	1,367538E+21	2,769778E+21	5,605011E+21
211	9,343771E+21	1,298395E+22	1,531981E+22	1,531943E+22	1,298333E+22	9,343292E+21	5,604705E+21	2,769595E+21	1,367432E+21	1,367424E+21	2,769548E+21	5,604605E+21
212	9,343185E+21	1,298329E+22	1,531966E+22	1,531999E+22	1,298393E+22	9,343650E+21	5,604907E+21	2,769690E+21	1,367424E+21	1,367330E+21	2,769396E+21	5,604541E+21
213	9,343552E+21	1,298424E+22	1,532056E+22	1,532041E+22	1,298385E+22	9,343208E+21	5,604391E+21	2,769303E+21	1,367217E+21	1,367289E+21	2,769532E+21	5,604741E+21
214	9,343538E+21	1,298398E+22	1,532017E+22	1,532005E+22	1,298393E+22	9,343599E+21	5,604714E+21	2,769406E+21	1,367137E+21	1,367071E+21	2,769182E+21	5,604301E+21
215	9,343030E+21	1,298364E+22	1,532061E+22	1,532096E+22	1,298450E+22	9,343749E+21	5,604613E+21	2,769238E+21	1,367000E+21	1,366973E+21	2,769178E+21	5,604595E+21
216	9,343826E+21	1,298455E+22	1,532100E+22	1,532088E+22	1,298416E+22	9,343327E+21	5,604243E+21	2,768934E+21	1,366798E+21	1,366890E+21	2,769200E+21	5,604565E+21
217	9,343560E+21	1,298406E+22	1,532036E+22	1,532058E+22	1,298447E+22	9,343854E+21	5,604684E+21	2,769177E+21	1,366822E+21	1,366724E+21	2,768869E+21	5,604218E+21
218	9,343430E+21	1,298449E+22	1,532130E+22	1,532128E+22	1,298467E+22	9,343704E+21	5,604378E+21	2,768950E+21	1,366744E+21	1,366768E+21	2,769052E+21	5,604603E+21
219	9,343973E+21	1,298490E+22	1,532141E+22	1,532095E+22	1,298411E+22	9,343376E+21	5,604313E+21	2,768940E+21	1,366730E+21	1,366757E+21	2,768997E+21	5,604356E+21
220	9,343389E+21	1,298395E+22	1,532066E+22	1,532106E+22	1,298461E+22	9,343781E+21	5,604633E+21	2,769209E+21	1,366900E+21	1,366820E+21	2,768963E+21	5,604291E+21
221	9,343529E+21	1,298453E+22	1,532118E+22	1,532118E+22	1,298448E+22	9,343448E+21	5,604257E+21	2,768999E+21	1,366905E+21	1,367009E+21	2,769333E+21	5,604738E+21
222	9,343747E+21	1,298430E+22	1,532048E+22	1,532020E+22	1,298394E+22	9,343555E+21	5,604604E+21	2,769289E+21	1,367077E+21	1,367074E+21	2,769252E+21	5,604438E+21
223	9,343157E+21	1,298353E+22	1,532017E+22	1,532044E+22	1,298418E+22	9,343719E+21	5,604802E+21	2,769518E+21	1,367288E+21	1,367247E+21	2,769378E+21	5,604615E+21
224	9,343664E+21	1,298422E+22	1,532039E+22	1,532014E+22	1,298359E+22	9,343117E+21	5,604441E+21	2,769420E+21	1,367378E+21	1,367487E+21	2,769723E+21	5,604795E+21
225	9,343346E+21	1,298339E+22	1,531924E+22	1,531924E+22	1,298342E+22	9,343455E+21	5,604959E+21	2,769890E+21	1,367669E+21	1,367594E+21	2,769632E+21	5,604500E+21
226	9,342884E+21	1,298308E+22	1,531944E+22	1,531964E+22	1,298364E+22	9,343445E+21	5,604847E+21	2,769881E+21	1,367791E+21	1,367801E+21	2,769933E+21	5,604955E+21
227	9,343479E+21	1,298349E+22	1,531937E+22	1,531906E+22	1,298290E+22	9,342980E+21	5,604696E+21	2,769859E+21	1,367836E+21	1,367907E+21	2,770067E+21	5,604954E+21
228	9,343115E+21	1,298259E+22	1,531833E+22	1,531870E+22	1,298317E+22	9,343424E+21	5,605112E+21	2,770168E+21	1,367982E+21	1,367897E+21	2,769904E+21	5,604739E+21
229	9,343152E+21	1,298324E+22	1,531920E+22	1,531915E+22	1,298320E+22	9,343163E+21	5,604745E+21	2,769906E+21	1,367889E+21	1,367950E+21	2,770117E+21	5,605115E+21
230	9,343560E+21	1,298347E+22	1,531912E+22	1,531867E+22	1,298274E+22	9,343091E+21	5,604861E+21	2,769954E+21	1,367843E+21	1,367837E+21	2,769899E+21	5,604711E+21
231	9,342922E+21	1,298275E+22	1,531901E+22	1,531937E+22	1,298345E+22	9,343435E+21	5,605011E+21	2,770011E+21	1,367809E+21	1,367717E+21	2,769727E+21	5,604641E+21
232	9,343293E+21	1,298366E+22	1,531980E+22	1,531976E+22	1,298345E+22	9,343071E+21	5,604493E+21	2,769592E+21	1,367584E+21	1,367680E+21	2,769895E+21	5,604899E+21
233	9,343297E+21	1,298326E+22	1,531917E+22	1,531920E+22	1,298343E+22	9,343469E+21	5,604866E+21	2,769731E+21	1,367518E+21	1,367458E+21	2,769540E+21	5,604522E+21
234	9,342985E+21	1,298316E+22	1,531963E+22	1,532000E+22	1,298398E+22	9,343665E+21	5,604810E+21	2,769593E+21	1,367393E+21	1,367359E+21	2,769503E+21	5,604735E+21
235	9,343705E+21	1,298415E+22	1,532027E+22	1,532002E+22	1,298352E+22	9,343146E+21	5,604442E+21	2,769323E+21	1,367214E+21	1,367282E+21	2,769516E+21	5,604709E+21
236	9,343457E+21	1,298362E+22	1,531962E+22	1,531977E+22	1,298380E+22	9,343544E+21	5,604775E+21	2,769529E+21	1,367251E+21	1,367154E+21	2,769228E+21	5,604340E+21
237	9,343232E+21	1,298400E+22	1,532057E+22	1,532054E+22	1,298409E+22	9,343438E+21	5,604480E+21	2,769305E+21	1,367178E+21	1,367213E+21	2,769436E+21	5,604727E+21
238	9,343681E+21	1,298422E+22	1,532051E+22	1,532015E+22	1,298359E+22	9,343217E+21	5,604459E+21	2,769304E+21	1,367177E+21	1,367225E+21	2,769425E+21	5,604561E+21
239	9,343175E+21	1,298330E+22	1,531975E+22	1,532020E+22	1,298405E+22	9,343627E+21	5,604805E+21	2,769578E+21	1,367335E+21	1,367264E+21	2,769357E+21	5,604477E+21
240	9,343371E+21	1,298396E+22	1,532026E+22	1,532027E+22	1,298389E+22	9,343287E+21	5,604451E+21	2,769391E+21	1,367356E+21	1,367467E+21	2,769728E+21	5,604888E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,343517E+21	1,298363E+22	1,531945E+22	1,531917E+22	1,298325E+22	9,343356E+21	5,604828E+21	2,769743E+21	1,367577E+21	1,367559E+21	2,769657E+21	5,604595E+21
242	9,342966E+21	1,298294E+22	1,531916E+22	1,531940E+22	1,298353E+22	9,343551E+21	5,605038E+21	2,769996E+21	1,367817E+21	1,367759E+21	2,769794E+21	5,604720E+21
243	9,343317E+21	1,298351E+22	1,531946E+22	1,531924E+22	1,298294E+22	9,342893E+21	5,604653E+21	2,769902E+21	1,367920E+21	1,368012E+21	2,770176E+21	5,605013E+21
244	9,343129E+21	1,298262E+22	1,531812E+22	1,531822E+22	1,298274E+22	9,343173E+21	5,605070E+21	2,770296E+21	1,368184E+21	1,368125E+21	2,770115E+21	5,604762E+21
245	9,342752E+21	1,298244E+22	1,531839E+22	1,531858E+22	1,298293E+22	9,343208E+21	5,605009E+21	2,770280E+21	1,368266E+21	1,368290E+21	2,770374E+21	5,605186E+21
246	9,343353E+21	1,298293E+22	1,531842E+22	1,531808E+22	1,298222E+22	9,342773E+21	5,604874E+21	2,770255E+21	1,368292E+21	1,368368E+21	2,770471E+21	5,605150E+21
247	9,342992E+21	1,298217E+22	1,531762E+22	1,531787E+22	1,298254E+22	9,343183E+21	5,605252E+21	2,770529E+21	1,368399E+21	1,368306E+21	2,770234E+21	5,604832E+21
248	9,342936E+21	1,298279E+22	1,531858E+22	1,531850E+22	1,298270E+22	9,342970E+21	5,604880E+21	2,770245E+21	1,368291E+21	1,368355E+21	2,770448E+21	5,605172E+21
249	9,343210E+21	1,298276E+22	1,531827E+22	1,531799E+22	1,298230E+22	9,342941E+21	5,605010E+21	2,770306E+21	1,368251E+21	1,368243E+21	2,770252E+21	5,604847E+21
250	9,342689E+21	1,298210E+22	1,531799E+22	1,531853E+22	1,298308E+22	9,343408E+21	5,605206E+21	2,770361E+21	1,368208E+21	1,368115E+21	2,770073E+21	5,604780E+21
251	9,343052E+21	1,298303E+22	1,531891E+22	1,531893E+22	1,298297E+22	9,342987E+21	5,604711E+21	2,769957E+21	1,367975E+21	1,368057E+21	2,770231E+21	5,605121E+21
252	9,343257E+21	1,298275E+22	1,531824E+22	1,531825E+22	1,298277E+22	9,343206E+21	5,604971E+21	2,770056E+21	1,367903E+21	1,367845E+21	2,769879E+21	5,604705E+21
253	9,342942E+21	1,298282E+22	1,531890E+22	1,531910E+22	1,298328E+22	9,343393E+21	5,604941E+21	2,769933E+21	1,367781E+21	1,367746E+21	2,769828E+21	5,604853E+21
254	9,343527E+21	1,298373E+22	1,531964E+22	1,531930E+22	1,298291E+22	9,342887E+21	5,604560E+21	2,769667E+21	1,367623E+21	1,367697E+21	2,769878E+21	5,604844E+21
255	9,343230E+21	1,298313E+22	1,531899E+22	1,531913E+22	1,298328E+22	9,343284E+21	5,604848E+21	2,769848E+21	1,367653E+21	1,367569E+21	2,769593E+21	5,604482E+21
256	9,342997E+21	1,298341E+22	1,531978E+22	1,531985E+22	1,298367E+22	9,343303E+21	5,604604E+21	2,769626E+21	1,367588E+21	1,367647E+21	2,769825E+21	5,604890E+21
257	9,343432E+21	1,298350E+22	1,531947E+22	1,531924E+22	1,298306E+22	9,343099E+21	5,604665E+21	2,769696E+21	1,367626E+21	1,367674E+21	2,769821E+21	5,604764E+21
258	9,343056E+21	1,298274E+22	1,531866E+22	1,531914E+22	1,298348E+22	9,343538E+21	5,605069E+21	2,770031E+21	1,367823E+21	1,367732E+21	2,769733E+21	5,604592E+21
259	9,343110E+21	1,298337E+22	1,531936E+22	1,531931E+22	1,298322E+22	9,343106E+21	5,604713E+21	2,769882E+21	1,367877E+21	1,367953E+21	2,770118E+21	5,605039E+21
260	9,343287E+21	1,298294E+22	1,531844E+22	1,531817E+22	1,298249E+22	9,343018E+21	5,604969E+21	2,770194E+21	1,368111E+21	1,368092E+21	2,770111E+21	5,604766E+21
261	9,342705E+21	1,298226E+22	1,531816E+22	1,531841E+22	1,298281E+22	9,343259E+21	5,605192E+21	2,770432E+21	1,368336E+21	1,368292E+21	2,770273E+21	5,604929E+21
262	9,343039E+21	1,298274E+22	1,531839E+22	1,531823E+22	1,298229E+22	9,342684E+21	5,604819E+21	2,770314E+21	1,368422E+21	1,368536E+21	2,770665E+21	5,605283E+21
263	9,342972E+21	1,298202E+22	1,531718E+22	1,531724E+22	1,298208E+22	9,342939E+21	5,605211E+21	2,770668E+21	1,368634E+21	1,368591E+21	2,770536E+21	5,604993E+21
264	9,342669E+21	1,298197E+22	1,531755E+22	1,531769E+22	1,298234E+22	9,343010E+21	5,605157E+21	2,770642E+21	1,368699E+21	1,368730E+21	2,770745E+21	5,605329E+21
265	9,343164E+21	1,298237E+22	1,531754E+22	1,531720E+22	1,298165E+22	9,342605E+21	5,605071E+21	2,770657E+21	1,368738E+21	1,368799E+21	2,770822E+21	5,605272E+21
266	9,342805E+21	1,298167E+22	1,531679E+22	1,531708E+22	1,298207E+22	9,343065E+21	5,605466E+21	2,770942E+21	1,368849E+21	1,368737E+21	2,770576E+21	5,604899E+21
267	9,342580E+21	1,298212E+22	1,531779E+22	1,531780E+22	1,298224E+22	9,342835E+21	5,605080E+21	2,770650E+21	1,368733E+21	1,368776E+21	2,770808E+21	5,605343E+21
268	9,342983E+21	1,298202E+22	1,531723E+22	1,531708E+22	1,298176E+22	9,342741E+21	5,605125E+21	2,770643E+21	1,368665E+21	1,368671E+21	2,770645E+21	5,605070E+21
269	9,342590E+21	1,298158E+22	1,531705E+22	1,531752E+22	1,298240E+22	9,343193E+21	5,605355E+21	2,770690E+21	1,368590E+21	1,368510E+21	2,770433E+21	5,604978E+21
270	9,342955E+21	1,298256E+22	1,531807E+22	1,531799E+22	1,298230E+22	9,342753E+21	5,604847E+21	2,770290E+21	1,368358E+21	1,368441E+21	2,770565E+21	5,605281E+21
271	9,343162E+21	1,298245E+22	1,531768E+22	1,531749E+22	1,298214E+22	9,342912E+21	5,605039E+21	2,770351E+21	1,368264E+21	1,368207E+21	2,770174E+21	5,604799E+21
272	9,342774E+21	1,298245E+22	1,531840E+22	1,531853E+22	1,298280E+22	9,343139E+21	5,605004E+21	2,770229E+21	1,368156E+21	1,368127E+21	2,770139E+21	5,604914E+21
273	9,343208E+21	1,298307E+22	1,531885E+22	1,531867E+22	1,298254E+22	9,342747E+21	5,604697E+21	2,770011E+21	1,368029E+21	1,368103E+21	2,770229E+21	5,604986E+21
274	9,343007E+21	1,298250E+22	1,531804E+22	1,531834E+22	1,298294E+22	9,343259E+21	5,605067E+21	2,770230E+21	1,368083E+21	1,367995E+21	2,769956E+21	5,604617E+21
275	9,342718E+21	1,298272E+22	1,531885E+22	1,531900E+22	1,298318E+22	9,343237E+21	5,604875E+21	2,770062E+21	1,368045E+21	1,368081E+21	2,770194E+21	5,605088E+21
276	9,343286E+21	1,298285E+22	1,531839E+22	1,531817E+22	1,298239E+22	9,342878E+21	5,604850E+21	2,770121E+21	1,368111E+21	1,368158E+21	2,770234E+21	5,604951E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,342912E+21	1,298223E+22	1,531771E+22	1,531801E+22	1,298266E+22	9,343271E+21	5,605276E+21	2,770478E+21	1,368326E+21	1,368237E+21	2,770165E+21	5,604754E+21
278	9,342846E+21	1,298270E+22	1,531843E+22	1,531833E+22	1,298248E+22	9,342811E+21	5,604879E+21	2,770332E+21	1,368404E+21	1,368487E+21	2,770591E+21	5,605242E+21
279	9,343038E+21	1,298230E+22	1,531754E+22	1,531725E+22	1,298182E+22	9,342689E+21	5,605051E+21	2,770584E+21	1,368608E+21	1,368611E+21	2,770587E+21	5,605015E+21
280	9,342524E+21	1,298161E+22	1,531719E+22	1,531747E+22	1,298220E+22	9,343020E+21	5,605299E+21	2,770799E+21	1,368811E+21	1,368793E+21	2,770730E+21	5,605171E+21
281	9,342872E+21	1,298205E+22	1,531732E+22	1,531720E+22	1,298166E+22	9,342514E+21	5,605020E+21	2,770729E+21	1,368897E+21	1,369012E+21	2,771086E+21	5,605519E+21
282	9,342908E+21	1,298153E+22	1,531621E+22	1,531623E+22	1,298149E+22	9,342813E+21	5,605454E+21	2,771110E+21	1,369114E+21	1,369048E+21	2,770894E+21	5,605094E+21
283	9,342421E+21	1,298144E+22	1,531681E+22	1,531689E+22	1,298178E+22	9,342865E+21	5,605409E+21	2,771101E+21	1,369180E+21	1,369172E+21	2,771085E+21	5,605432E+21
284	9,342906E+21	1,298171E+22	1,531665E+22	1,531636E+22	1,298107E+22	9,342356E+21	5,605208E+21	2,771060E+21	1,369210E+21	1,369265E+21	2,771205E+21	5,605381E+21
285	9,342514E+21	1,298101E+22	1,531587E+22	1,531617E+22	1,298148E+22	9,342878E+21	5,605630E+21	2,771318E+21	1,369288E+21	1,369184E+21	2,770972E+21	5,605057E+21
286	9,342291E+21	1,298136E+22	1,531680E+22	1,531690E+22	1,298171E+22	9,342686E+21	5,605240E+21	2,771000E+21	1,369144E+21	1,369199E+21	2,771195E+21	5,605548E+21
287	9,342843E+21	1,298150E+22	1,531640E+22	1,531619E+22	1,298114E+22	9,342497E+21	5,605220E+21	2,770941E+21	1,369025E+21	1,369042E+21	2,770982E+21	5,605267E+21
288	9,342542E+21	1,298121E+22	1,531637E+22	1,531672E+22	1,298182E+22	9,342957E+21	5,605437E+21	2,770975E+21	1,368938E+21	1,368864E+21	2,770730E+21	5,605095E+21
289	9,342812E+21	1,298213E+22	1,531739E+22	1,531724E+22	1,298176E+22	9,342561E+21	5,604987E+21	2,770621E+21	1,368732E+21	1,368806E+21	2,770865E+21	5,605389E+21
290	9,343008E+21	1,298203E+22	1,531704E+22	1,531687E+22	1,298175E+22	9,342765E+21	5,605189E+21	2,770703E+21	1,368664E+21	1,368595E+21	2,770484E+21	5,604866E+21
291	9,342464E+21	1,298184E+22	1,531771E+22	1,531796E+22	1,298247E+22	9,343043E+21	5,605172E+21	2,770598E+21	1,368574E+21	1,368530E+21	2,770486E+21	5,605086E+21
292	9,342999E+21	1,298235E+22	1,531783E+22	1,531779E+22	1,298207E+22	9,342600E+21	5,604837E+21	2,770365E+21	1,368461E+21	1,368547E+21	2,770625E+21	5,605196E+21
293	9,342888E+21	1,298194E+22	1,531707E+22	1,531728E+22	1,298226E+22	9,343095E+21	5,605284E+21	2,770625E+21	1,368526E+21	1,368446E+21	2,770358E+21	5,604818E+21
294	9,342556E+21	1,298211E+22	1,531789E+22	1,531796E+22	1,298248E+22	9,343023E+21	5,605078E+21	2,770488E+21	1,368521E+21	1,368553E+21	2,770595E+21	5,605244E+21
295	9,343099E+21	1,298236E+22	1,531761E+22	1,531722E+22	1,298165E+22	9,342559E+21	5,604970E+21	2,770516E+21	1,368582E+21	1,368634E+21	2,770641E+21	5,605108E+21
296	9,342701E+21	1,298168E+22	1,531694E+22	1,531716E+22	1,298201E+22	9,342959E+21	5,605361E+21	2,770857E+21	1,368804E+21	1,368730E+21	2,770589E+21	5,604907E+21
297	9,342554E+21	1,298193E+22	1,531739E+22	1,531739E+22	1,298191E+22	9,342620E+21	5,605041E+21	2,770744E+21	1,368896E+21	1,368987E+21	2,771041E+21	5,605474E+21
298	9,342874E+21	1,298162E+22	1,531648E+22	1,531629E+22	1,298131E+22	9,342572E+21	5,605264E+21	2,771012E+21	1,369101E+21	1,369101E+21	2,771010E+21	5,605211E+21
299	9,342330E+21	1,298096E+22	1,531624E+22	1,531655E+22	1,298163E+22	9,342878E+21	5,605541E+21	2,771257E+21	1,369305E+21	1,369261E+21	2,771123E+21	5,605379E+21
300	9,342736E+21	1,298142E+22	1,531627E+22	1,531614E+22	1,298100E+22	9,342300E+21	5,605216E+21	2,771176E+21	1,369402E+21	1,369504E+21	2,771488E+21	5,605669E+21
301	9,342730E+21	1,298103E+22	1,531539E+22	1,531522E+22	1,298075E+22	9,342594E+21	5,605679E+21	2,771557E+21	1,369610E+21	1,369539E+21	2,771300E+21	5,605210E+21
302	9,342094E+21	1,298072E+22	1,531592E+22	1,531604E+22	1,298116E+22	9,342633E+21	5,605587E+21	2,771534E+21	1,369675E+21	1,369666E+21	2,771503E+21	5,605559E+21
303	9,342598E+21	1,298104E+22	1,531576E+22	1,531551E+22	1,298051E+22	9,342120E+21	5,605299E+21	2,771405E+21	1,369647E+21	1,369720E+21	2,771620E+21	5,605589E+21
304	9,342336E+21	1,298039E+22	1,531496E+22	1,531526E+22	1,298092E+22	9,342673E+21	5,605713E+21	2,771621E+21	1,369681E+21	1,369598E+21	2,771348E+21	5,605257E+21
305	9,342158E+21	1,298074E+22	1,531580E+22	1,531592E+22	1,298112E+22	9,342525E+21	5,605402E+21	2,771339E+21	1,369527E+21	1,369580E+21	2,771532E+21	5,605742E+21
306	9,342812E+21	1,298110E+22	1,531562E+22	1,531537E+22	1,298062E+22	9,342331E+21	5,605382E+21	2,771290E+21	1,369410E+21	1,369407E+21	2,771267E+21	5,605348E+21
307	9,342357E+21	1,298079E+22	1,531582E+22	1,531611E+22	1,298134E+22	9,342774E+21	5,605592E+21	2,771336E+21	1,369330E+21	1,369228E+21	2,771021E+21	5,605198E+21
308	9,342600E+21	1,298156E+22	1,531664E+22	1,531655E+22	1,298130E+22	9,342355E+21	5,605089E+21	2,770959E+21	1,369140E+21	1,369215E+21	2,771211E+21	5,605505E+21
309	9,342784E+21	1,298148E+22	1,531628E+22	1,531607E+22	1,298124E+22	9,342642E+21	5,605350E+21	2,771038E+21	1,369066E+21	1,369013E+21	2,770861E+21	5,605029E+21
310	9,342224E+21	1,298114E+22	1,531679E+22	1,531711E+22	1,298198E+22	9,342941E+21	5,605359E+21	2,770956E+21	1,368989E+21	1,368955E+21	2,770861E+21	5,605257E+21
311	9,342857E+21	1,298184E+22	1,531698E+22	1,531687E+22	1,298147E+22	9,342398E+21	5,604965E+21	2,770702E+21	1,368863E+21	1,368958E+21	2,770988E+21	5,605383E+21
312	9,342798E+21	1,298149E+22	1,531628E+22	1,531635E+22	1,298161E+22	9,342857E+21	5,605404E+21	2,770980E+21	1,368950E+21	1,368873E+21	2,770715E+21	5,604952E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,342361E+21	1,298152E+22	1,531702E+22	1,531703E+22	1,298183E+22	9,342809E+21	5,605264E+21	2,770903E+21	1,368985E+21	1,369011E+21	2,770985E+21	5,605398E+21
314	9,342898E+21	1,298176E+22	1,531675E+22	1,531639E+22	1,298109E+22	9,342341E+21	5,605141E+21	2,770949E+21	1,369079E+21	1,369122E+21	2,771055E+21	5,605251E+21
315	9,342402E+21	1,298095E+22	1,531604E+22	1,531635E+22	1,298150E+22	9,342787E+21	5,605538E+21	2,771291E+21	1,369307E+21	1,369226E+21	2,771034E+21	5,605155E+21
316	9,342377E+21	1,298117E+22	1,531623E+22	1,531629E+22	1,298126E+22	9,342412E+21	5,605206E+21	2,771167E+21	1,369407E+21	1,369507E+21	2,771501E+21	5,605716E+21
317	9,342769E+21	1,298106E+22	1,531547E+22	1,531512E+22	1,298051E+22	9,342368E+21	5,605495E+21	2,771460E+21	1,369608E+21	1,369611E+21	2,771446E+21	5,605400E+21
318	9,342146E+21	1,298035E+22	1,531529E+22	1,531554E+22	1,298094E+22	9,342669E+21	5,605757E+21	2,771720E+21	1,369824E+21	1,369768E+21	2,771529E+21	5,605489E+21
319	9,342497E+21	1,298089E+22	1,531548E+22	1,531524E+22	1,298032E+22	9,342020E+21	5,605350E+21	2,771588E+21	1,369892E+21	1,369993E+21	2,771891E+21	5,605789E+21
320	9,342446E+21	1,298038E+22	1,531458E+22	1,531443E+22	1,298018E+22	9,342352E+21	5,605784E+21	2,771934E+21	1,370075E+21	1,370013E+21	2,771705E+21	5,605345E+21
321	9,341771E+21	1,297989E+22	1,531485E+22	1,531513E+22	1,298066E+22	9,342512E+21	5,605766E+21	2,771914E+21	1,370118E+21	1,370115E+21	2,771912E+21	5,605763E+21
322	9,342415E+21	1,298035E+22	1,531473E+22	1,531460E+22	1,298001E+22	9,342011E+21	5,605494E+21	2,771776E+21	1,370063E+21	1,370133E+21	2,771982E+21	5,605764E+21
323	9,342188E+21	1,297983E+22	1,531411E+22	1,531443E+22	1,298037E+22	9,342522E+21	5,605891E+21	2,771984E+21	1,370075E+21	1,369975E+21	2,771677E+21	5,605453E+21
324	9,342097E+21	1,298026E+22	1,531492E+22	1,531497E+22	1,298048E+22	9,342305E+21	5,605534E+21	2,771687E+21	1,369931E+21	1,369975E+21	2,771860E+21	5,605875E+21
325	9,342714E+21	1,298076E+22	1,531502E+22	1,531456E+22	1,297996E+22	9,342113E+21	5,605538E+21	2,771640E+21	1,369811E+21	1,369809E+21	2,771606E+21	5,605458E+21
326	9,342123E+21	1,298024E+22	1,531515E+22	1,531549E+22	1,298087E+22	9,342571E+21	5,605709E+21	2,771680E+21	1,369742E+21	1,369644E+21	2,771375E+21	5,605310E+21
327	9,342373E+21	1,298102E+22	1,531590E+22	1,531584E+22	1,298086E+22	9,342180E+21	5,605164E+21	2,771249E+21	1,369519E+21	1,369614E+21	2,771576E+21	5,605690E+21
328	9,342645E+21	1,298095E+22	1,531549E+22	1,531528E+22	1,298073E+22	9,342485E+21	5,605450E+21	2,771330E+21	1,369435E+21	1,369400E+21	2,771206E+21	5,605201E+21
329	9,342091E+21	1,298055E+22	1,531581E+22	1,531616E+22	1,298140E+22	9,342820E+21	5,605562E+21	2,771322E+21	1,369389E+21	1,369350E+21	2,771197E+21	5,605401E+21
330	9,342732E+21	1,298135E+22	1,531618E+22	1,531604E+22	1,298091E+22	9,342239E+21	5,605167E+21	2,771106E+21	1,369300E+21	1,369374E+21	2,771312E+21	5,605455E+21
331	9,342548E+21	1,298095E+22	1,531558E+22	1,531563E+22	1,298102E+22	9,342634E+21	5,605576E+21	2,771401E+21	1,369417E+21	1,369319E+21	2,771086E+21	5,605084E+21
332	9,342090E+21	1,298079E+22	1,531600E+22	1,531609E+22	1,298121E+22	9,342567E+21	5,605405E+21	2,771323E+21	1,369489E+21	1,369516E+21	2,771422E+21	5,605574E+21
333	9,342664E+21	1,298108E+22	1,531576E+22	1,531538E+22	1,298043E+22	9,342164E+21	5,605331E+21	2,771365E+21	1,369579E+21	1,369640E+21	2,771526E+21	5,605481E+21
334	9,342180E+21	1,298019E+22	1,531496E+22	1,531534E+22	1,298085E+22	9,342599E+21	5,605732E+21	2,771723E+21	1,369815E+21	1,369742E+21	2,771485E+21	5,605362E+21
335	9,342243E+21	1,298062E+22	1,531526E+22	1,531524E+22	1,298056E+22	9,342176E+21	5,605361E+21	2,771574E+21	1,369893E+21	1,370001E+21	2,771930E+21	5,605918E+21
336	9,342646E+21	1,298057E+22	1,531464E+22	1,531416E+22	1,297982E+22	9,342121E+21	5,605637E+21	2,771866E+21	1,370095E+21	1,370099E+21	2,771847E+21	5,605530E+21
337	9,341897E+21	1,297968E+22	1,531435E+22	1,531460E+22	1,298030E+22	9,342482E+21	5,605971E+21	2,772167E+21	1,370325E+21	1,370262E+21	2,771946E+21	5,605623E+21
338	9,342209E+21	1,298017E+22	1,531455E+22	1,531446E+22	1,297982E+22	9,341852E+21	5,605540E+21	2,772023E+21	1,370388E+21	1,370480E+21	2,772304E+21	5,605933E+21
339	9,342136E+21	1,297961E+22	1,531359E+22	1,531360E+22	1,297968E+22	9,342215E+21	5,605966E+21	2,772336E+21	1,370538E+21	1,370473E+21	2,772131E+21	5,605595E+21
340	9,341616E+21	1,297914E+22	1,531365E+22	1,531400E+22	1,297998E+22	9,342329E+21	5,605940E+21	2,772298E+21	1,370566E+21	1,370569E+21	2,772321E+21	5,605994E+21
341	9,342363E+21	1,297989E+22	1,531382E+22	1,531351E+22	1,297924E+22	9,341804E+21	5,605689E+21	2,772154E+21	1,370489E+21	1,370559E+21	2,772352E+21	5,605937E+21
342	9,342069E+21	1,297939E+22	1,531338E+22	1,531359E+22	1,297973E+22	9,342277E+21	5,606031E+21	2,772350E+21	1,370497E+21	1,370388E+21	2,772005E+21	5,605541E+21
343	9,341945E+21	1,297993E+22	1,531435E+22	1,531427E+22	1,297990E+22	9,342028E+21	5,605598E+21	2,771998E+21	1,370318E+21	1,370368E+21	2,772189E+21	5,605979E+21
344	9,342504E+21	1,298029E+22	1,531442E+22	1,531400E+22	1,297954E+22	9,341909E+21	5,605587E+21	2,771920E+21	1,370178E+21	1,370186E+21	2,771929E+21	5,605564E+21
345	9,341870E+21	1,297959E+22	1,531430E+22	1,531479E+22	1,298050E+22	9,342516E+21	5,605876E+21	2,771993E+21	1,370106E+21	1,370014E+21	2,771708E+21	5,605461E+21
346	9,342192E+21	1,298042E+22	1,531505E+22	1,531513E+22	1,298045E+22	9,342116E+21	5,605366E+21	2,771593E+21	1,369892E+21	1,369976E+21	2,771874E+21	5,605798E+21
347	9,342454E+21	1,298040E+22	1,531469E+22	1,531453E+22	1,298025E+22	9,342380E+21	5,605656E+21	2,771701E+21	1,369827E+21	1,369775E+21	2,771530E+21	5,605357E+21
348	9,341946E+21	1,297999E+22	1,531485E+22	1,531516E+22	1,298073E+22	9,342618E+21	5,605740E+21	2,771717E+21	1,369833E+21	1,369785E+21	2,771561E+21	5,605525E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,342533E+21	1,298085E+22	1,531538E+22	1,531508E+22	1,298017E+22	9,342000E+21	5,605356E+21	2,771519E+21	1,369776E+21	1,369853E+21	2,771728E+21	5,605605E+21
350	9,342268E+21	1,298025E+22	1,531468E+22	1,531480E+22	1,298043E+22	9,342381E+21	5,605699E+21	2,771806E+21	1,369915E+21	1,369828E+21	2,771534E+21	5,605272E+21
351	9,341899E+21	1,298019E+22	1,531502E+22	1,531513E+22	1,298057E+22	9,342308E+21	5,605492E+21	2,771682E+21	1,369959E+21	1,370014E+21	2,771886E+21	5,605839E+21
352	9,342560E+21	1,298051E+22	1,531480E+22	1,531440E+22	1,297976E+22	9,341919E+21	5,605443E+21	2,771731E+21	1,370040E+21	1,370116E+21	2,771950E+21	5,605702E+21
353	9,342061E+21	1,297959E+22	1,531394E+22	1,531430E+22	1,298018E+22	9,342426E+21	5,605949E+21	2,772149E+21	1,370293E+21	1,370217E+21	2,771889E+21	5,605528E+21
354	9,342066E+21	1,298006E+22	1,531441E+22	1,531438E+22	1,297994E+22	9,342002E+21	5,605592E+21	2,772032E+21	1,370395E+21	1,370480E+21	2,772302E+21	5,605994E+21
355	9,342331E+21	1,297992E+22	1,531383E+22	1,531342E+22	1,297927E+22	9,341945E+21	5,605853E+21	2,772323E+21	1,370600E+21	1,370590E+21	2,772265E+21	5,605676E+21
356	9,341580E+21	1,297886E+22	1,531318E+22	1,531359E+22	1,297970E+22	9,342302E+21	5,606161E+21	2,772610E+21	1,370841E+21	1,370780E+21	2,772400E+21	5,605805E+21
357	9,341941E+21	1,297944E+22	1,531346E+22	1,531336E+22	1,297914E+22	9,341713E+21	5,605768E+21	2,772448E+21	1,370879E+21	1,370980E+21	2,772757E+21	5,606160E+21
358	9,341936E+21	1,297888E+22	1,531252E+22	1,531258E+22	1,297901E+22	9,342002E+21	5,606147E+21	2,772742E+21	1,371004E+21	1,370941E+21	2,772536E+21	5,605795E+21
359	9,341545E+21	1,297871E+22	1,531275E+22	1,531298E+22	1,297925E+22	9,342045E+21	5,606051E+21	2,772649E+21	1,370985E+21	1,370992E+21	2,772691E+21	5,606182E+21
360	9,342294E+21	1,297955E+22	1,531318E+22	1,531271E+22	1,297859E+22	9,341521E+21	5,605769E+21	2,772479E+21	1,370884E+21	1,370952E+21	2,772678E+21	5,606049E+21
361	9,341880E+21	1,297892E+22	1,531270E+22	1,531291E+22	1,297921E+22	9,342082E+21	5,606170E+21	2,772693E+21	1,370892E+21	1,370781E+21	2,772339E+21	5,605646E+21
362	9,341692E+21	1,297936E+22	1,531368E+22	1,531377E+22	1,297958E+22	9,341916E+21	5,605742E+21	2,772334E+21	1,370709E+21	1,370751E+21	2,772507E+21	5,606077E+21
363	9,342234E+21	1,297967E+22	1,531366E+22	1,531341E+22	1,297921E+22	9,341843E+21	5,605747E+21	2,772240E+21	1,370548E+21	1,370558E+21	2,772268E+21	5,605743E+21
364	9,341701E+21	1,297893E+22	1,531321E+22	1,531380E+22	1,297994E+22	9,342402E+21	5,606066E+21	2,772346E+21	1,370503E+21	1,370410E+21	2,772051E+21	5,605618E+21
365	9,342055E+21	1,297994E+22	1,531418E+22	1,531413E+22	1,297978E+22	9,341967E+21	5,605583E+21	2,771973E+21	1,370310E+21	1,370386E+21	2,772216E+21	5,605921E+21
366	9,342250E+21	1,297986E+22	1,531388E+22	1,531369E+22	1,297960E+22	9,342126E+21	5,605811E+21	2,772094E+21	1,370275E+21	1,370215E+21	2,771886E+21	5,605458E+21
367	9,341752E+21	1,297953E+22	1,531408E+22	1,531431E+22	1,298006E+22	9,342304E+21	5,605824E+21	2,772070E+21	1,370273E+21	1,370239E+21	2,771966E+21	5,605698E+21
368	9,342324E+21	1,298029E+22	1,531457E+22	1,531429E+22	1,297960E+22	9,341733E+21	5,605417E+21	2,771851E+21	1,370210E+21	1,370305E+21	2,772141E+21	5,605805E+21
369	9,342061E+21	1,297958E+22	1,531367E+22	1,531389E+22	1,297989E+22	9,342231E+21	5,605860E+21	2,772166E+21	1,370352E+21	1,370284E+21	2,771954E+21	5,605500E+21
370	9,341760E+21	1,297958E+22	1,531410E+22	1,531429E+22	1,298003E+22	9,342163E+21	5,605693E+21	2,772083E+21	1,370411E+21	1,370457E+21	2,772257E+21	5,605999E+21
371	9,342397E+21	1,297996E+22	1,531394E+22	1,531357E+22	1,297921E+22	9,341774E+21	5,605663E+21	2,772159E+21	1,370509E+21	1,370572E+21	2,772339E+21	5,605866E+21
372	9,341864E+21	1,297899E+22	1,531291E+22	1,531324E+22	1,297947E+22	9,342239E+21	5,606191E+21	2,772625E+21	1,370817E+21	1,370727E+21	2,772309E+21	5,605654E+21
373	9,341773E+21	1,297942E+22	1,531351E+22	1,531340E+22	1,297923E+22	9,341809E+21	5,605844E+21	2,772523E+21	1,370941E+21	1,371018E+21	2,772758E+21	5,606138E+21
374	9,341968E+21	1,297908E+22	1,531276E+22	1,531251E+22	1,297868E+22	9,341735E+21	5,606043E+21	2,772788E+21	1,371145E+21	1,371138E+21	2,772742E+21	5,605881E+21
375	9,341375E+21	1,297819E+22	1,531204E+22	1,531246E+22	1,297898E+22	9,342053E+21	5,606293E+21	2,773000E+21	1,371327E+21	1,371288E+21	2,772876E+21	5,606086E+21
376	9,341841E+21	1,297886E+22	1,531244E+22	1,531228E+22	1,297840E+22	9,341433E+21	5,605883E+21	2,772815E+21	1,371323E+21	1,371430E+21	2,773157E+21	5,606380E+21
377	9,341848E+21	1,297839E+22	1,531161E+22	1,531160E+22	1,297833E+22	9,341774E+21	5,606304E+21	2,773114E+21	1,371431E+21	1,371363E+21	2,772894E+21	5,605952E+21
378	9,341411E+21	1,297829E+22	1,531213E+22	1,531231E+22	1,297868E+22	9,341807E+21	5,606197E+21	2,773022E+21	1,371405E+21	1,371390E+21	2,772995E+21	5,606240E+21
379	9,342023E+21	1,297903E+22	1,531257E+22	1,531221E+22	1,297822E+22	9,341365E+21	5,605912E+21	2,772830E+21	1,371284E+21	1,371344E+21	2,773012E+21	5,606155E+21
380	9,341592E+21	1,297824E+22	1,531178E+22	1,531215E+22	1,297880E+22	9,341979E+21	5,606327E+21	2,773037E+21	1,371297E+21	1,371189E+21	2,772696E+21	5,605784E+21
381	9,341441E+21	1,297873E+22	1,531278E+22	1,531289E+22	1,297907E+22	9,341864E+21	5,605964E+21	2,772686E+21	1,371106E+21	1,371150E+21	2,772854E+21	5,606226E+21
382	9,342016E+21	1,297901E+22	1,531272E+22	1,531257E+22	1,297871E+22	9,341712E+21	5,605935E+21	2,772598E+21	1,370946E+21	1,370953E+21	2,772598E+21	5,605889E+21
383	9,341626E+21	1,297854E+22	1,531234E+22	1,531280E+22	1,297926E+22	9,342156E+21	5,606178E+21	2,772670E+21	1,370889E+21	1,370803E+21	2,772397E+21	5,605785E+21
384	9,341941E+21	1,297954E+22	1,531348E+22	1,531330E+22	1,297911E+22	9,341662E+21	5,605665E+21	2,772301E+21	1,370704E+21	1,370780E+21	2,772554E+21	5,606053E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,342049E+21	1,297934E+22	1,531313E+22	1,531294E+22	1,297903E+22	9,341868E+21	5,605920E+21	2,772439E+21	1,370692E+21	1,370641E+21	2,772271E+21	5,605631E+21
386	9,341532E+21	1,297893E+22	1,531333E+22	1,531366E+22	1,297959E+22	9,342093E+21	5,605938E+21	2,772423E+21	1,370701E+21	1,370671E+21	2,772347E+21	5,605875E+21
387	9,342123E+21	1,297968E+22	1,531371E+22	1,531354E+22	1,297914E+22	9,341613E+21	5,605584E+21	2,772210E+21	1,370633E+21	1,370740E+21	2,772545E+21	5,606036E+21
388	9,341931E+21	1,297897E+22	1,531259E+22	1,531280E+22	1,297923E+22	9,342074E+21	5,606077E+21	2,772583E+21	1,370822E+21	1,370751E+21	2,772354E+21	5,605678E+21
389	9,341607E+21	1,297907E+22	1,531319E+22	1,531323E+22	1,297932E+22	9,342011E+21	5,605959E+21	2,772553E+21	1,370922E+21	1,370950E+21	2,772649E+21	5,606107E+21
390	9,342113E+21	1,297931E+22	1,531304E+22	1,531269E+22	1,297858E+22	9,341550E+21	5,605884E+21	2,772648E+21	1,371056E+21	1,371102E+21	2,772753E+21	5,605966E+21
391	9,341583E+21	1,297835E+22	1,531192E+22	1,531225E+22	1,297879E+22	9,341963E+21	5,606343E+21	2,773069E+21	1,371349E+21	1,371268E+21	2,772786E+21	5,605850E+21
392	9,341476E+21	1,297866E+22	1,531247E+22	1,531244E+22	1,297861E+22	9,341555E+21	5,605975E+21	2,772937E+21	1,371445E+21	1,371532E+21	2,773222E+21	5,606365E+21
393	9,341729E+21	1,297829E+22	1,531160E+22	1,531142E+22	1,297802E+22	9,341543E+21	5,606232E+21	2,773198E+21	1,371625E+21	1,371631E+21	2,773198E+21	5,606138E+21
394	9,341230E+21	1,297754E+22	1,531107E+22	1,531151E+22	1,297833E+22	9,341831E+21	5,606473E+21	2,773405E+21	1,371783E+21	1,371735E+21	2,773256E+21	5,606271E+21
395	9,341717E+21	1,297837E+22	1,531163E+22	1,531142E+22	1,297782E+22	9,341241E+21	5,606051E+21	2,773197E+21	1,371755E+21	1,371856E+21	2,773524E+21	5,606539E+21
396	9,341683E+21	1,297787E+22	1,531074E+22	1,531065E+22	1,297767E+22	9,341557E+21	5,606477E+21	2,773513E+21	1,371884E+21	1,371807E+21	2,773260E+21	5,606069E+21
397	9,341174E+21	1,297776E+22	1,531140E+22	1,531154E+22	1,297815E+22	9,341650E+21	5,606380E+21	2,773418E+21	1,371858E+21	1,371834E+21	2,773363E+21	5,606355E+21
398	9,341720E+21	1,297832E+22	1,531170E+22	1,531153E+22	1,297784E+22	9,341233E+21	5,606062E+21	2,773196E+21	1,371719E+21	1,371779E+21	2,773378E+21	5,606311E+21
399	9,341436E+21	1,297769E+22	1,531082E+22	1,531119E+22	1,297824E+22	9,341805E+21	5,606451E+21	2,773350E+21	1,371681E+21	1,371592E+21	2,773072E+21	5,606003E+21
400	9,341340E+21	1,297823E+22	1,531194E+22	1,531198E+22	1,297845E+22	9,341633E+21	5,606079E+21	2,772998E+21	1,371467E+21	1,371510E+21	2,773165E+21	5,606371E+21
401	9,341886E+21	1,297856E+22	1,531193E+22	1,531168E+22	1,297809E+22	9,341502E+21	5,606078E+21	2,772928E+21	1,371319E+21	1,371324E+21	2,772911E+21	5,606010E+21
402	9,341456E+21	1,297811E+22	1,531176E+22	1,531215E+22	1,297871E+22	9,341903E+21	5,606295E+21	2,773009E+21	1,371277E+21	1,371178E+21	2,772698E+21	5,605866E+21
403	9,341703E+21	1,297902E+22	1,531283E+22	1,531272E+22	1,297871E+22	9,341484E+21	5,605780E+21	2,772632E+21	1,371095E+21	1,371177E+21	2,772912E+21	5,606202E+21
404	9,341809E+21	1,297868E+22	1,531219E+22	1,531207E+22	1,297854E+22	9,341727E+21	5,606071E+21	2,772797E+21	1,371119E+21	1,371077E+21	2,772662E+21	5,605824E+21
405	9,341348E+21	1,297833E+22	1,531243E+22	1,531273E+22	1,297903E+22	9,341987E+21	5,606154E+21	2,772821E+21	1,371152E+21	1,371118E+21	2,772731E+21	5,606050E+21
406	9,341928E+21	1,297902E+22	1,531275E+22	1,531266E+22	1,297862E+22	9,341465E+21	5,605800E+21	2,772641E+21	1,371112E+21	1,371206E+21	2,772921E+21	5,606190E+21
407	9,341825E+21	1,297851E+22	1,531167E+22	1,531173E+22	1,297851E+22	9,341835E+21	5,606251E+21	2,773003E+21	1,371309E+21	1,371241E+21	2,772776E+21	5,605854E+21
408	9,341399E+21	1,297851E+22	1,531235E+22	1,531229E+22	1,297861E+22	9,341720E+21	5,606122E+21	2,772993E+21	1,371427E+21	1,371449E+21	2,773065E+21	5,606240E+21
409	9,341801E+21	1,297858E+22	1,531207E+22	1,531179E+22	1,297799E+22	9,341325E+21	5,606058E+21	2,773093E+21	1,371577E+21	1,371633E+21	2,773229E+21	5,606177E+21
410	9,341303E+21	1,297758E+22	1,531093E+22	1,531134E+22	1,297820E+22	9,341740E+21	5,606495E+21	2,773489E+21	1,371854E+21	1,371778E+21	2,773242E+21	5,606083E+21
411	9,341275E+21	1,297791E+22	1,531137E+22	1,531143E+22	1,297801E+22	9,341388E+21	5,606158E+21	2,773337E+21	1,371916E+21	1,372016E+21	2,773671E+21	5,606623E+21
412	9,341609E+21	1,297764E+22	1,531045E+22	1,531022E+22	1,297725E+22	9,341315E+21	5,606427E+21	2,773625E+21	1,372108E+21	1,372110E+21	2,773612E+21	5,606342E+21
413	9,341117E+21	1,297707E+22	1,531021E+22	1,531045E+22	1,297758E+22	9,341603E+21	5,606674E+21	2,773845E+21	1,372274E+21	1,372206E+21	2,773630E+21	5,606382E+21
414	9,341472E+21	1,297779E+22	1,531085E+22	1,531065E+22	1,297726E+22	9,341028E+21	5,606230E+21	2,773626E+21	1,372242E+21	1,372326E+21	2,773887E+21	5,606632E+21
415	9,341467E+21	1,297735E+22	1,530993E+22	1,530982E+22	1,297712E+22	9,341326E+21	5,606583E+21	2,773870E+21	1,372325E+21	1,372262E+21	2,773662E+21	5,606234E+21
416	9,340933E+21	1,297712E+22	1,531056E+22	1,531076E+22	1,297767E+22	9,341465E+21	5,606495E+21	2,773748E+21	1,372256E+21	1,372237E+21	2,773716E+21	5,606509E+21
417	9,341510E+21	1,297766E+22	1,531076E+22	1,531068E+22	1,297736E+22	9,341120E+21	5,606226E+21	2,773522E+21	1,372093E+21	1,372161E+21	2,773721E+21	5,606486E+21
418	9,341289E+21	1,297715E+22	1,531006E+22	1,531041E+22	1,297770E+22	9,341629E+21	5,606597E+21	2,773674E+21	1,372041E+21	1,371941E+21	2,773362E+21	5,606128E+21
419	9,341209E+21	1,297777E+22	1,531124E+22	1,531123E+22	1,297796E+22	9,341483E+21	5,606229E+21	2,773321E+21	1,371826E+21	1,371866E+21	2,773470E+21	5,606479E+21
420	9,341694E+21	1,297805E+22	1,531116E+22	1,531083E+22	1,297748E+22	9,341287E+21	5,606230E+21	2,773292E+21	1,371728E+21	1,371727E+21	2,773255E+21	5,606134E+21

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°
421	9,341236E+21	1,297758E+22	1,531106E+22	1,531140E+22	1,297819E+22	9,341719E+21	5,606437E+21	2,773385E+21	1,371717E+21	1,371616E+21	2,773073E+21	5,606015E+21
422	9,341456E+21	1,297833E+22	1,531196E+22	1,531198E+22	1,297830E+22	9,341351E+21	5,605930E+21	2,773004E+21	1,371544E+21	1,371630E+21	2,773299E+21	5,606402E+21
423	9,341729E+21	1,297816E+22	1,531122E+22	1,531105E+22	1,297791E+22	9,341526E+21	5,606198E+21	2,773142E+21	1,371548E+21	1,371527E+21	2,773077E+21	5,606067E+21
424	9,341276E+21	1,297784E+22	1,531157E+22	1,531178E+22	1,297837E+22	9,341735E+21	5,606298E+21	2,773199E+21	1,371588E+21	1,371550E+21	2,773091E+21	5,606198E+21
425	9,341764E+21	1,297850E+22	1,531190E+22	1,531173E+22	1,297798E+22	9,341251E+21	5,605980E+21	2,773056E+21	1,371584E+21	1,371674E+21	2,773307E+21	5,606312E+21
426	9,341551E+21	1,297790E+22	1,531094E+22	1,531096E+22	1,297790E+22	9,341592E+21	5,606421E+21	2,773434E+21	1,371802E+21	1,371725E+21	2,773176E+21	5,605977E+21
427	9,341088E+21	1,297775E+22	1,531144E+22	1,531150E+22	1,297813E+22	9,341559E+21	5,606292E+21	2,773405E+21	1,371916E+21	1,371949E+21	2,773516E+21	5,606418E+21
428	9,341491E+21	1,297773E+22	1,531086E+22	1,531064E+22	1,297733E+22	9,341166E+21	5,606268E+21	2,773534E+21	1,372090E+21	1,372153E+21	2,773701E+21	5,606420E+21
429	9,341118E+21	1,297687E+22	1,530982E+22	1,531017E+22	1,297749E+22	9,341573E+21	5,606719E+21	2,773942E+21	1,372367E+21	1,372286E+21	2,773680E+21	5,606300E+21
430	9,341124E+21	1,297724E+22	1,531031E+22	1,531037E+22	1,297734E+22	9,341180E+21	5,606364E+21	2,773792E+21	1,372427E+21	1,372510E+21	2,774067E+21	5,606802E+21
431	9,341544E+21	1,297721E+22	1,530955E+22	1,530912E+22	1,297646E+22	9,341016E+21	5,606566E+21	2,774032E+21	1,372592E+21	1,372598E+21	2,774029E+21	5,606521E+21
432	9,340952E+21	1,297658E+22	1,530951E+22	1,530964E+22	1,297691E+22	9,341280E+21	5,606791E+21	2,774242E+21	1,372739E+21	1,372666E+21	2,774012E+21	5,606501E+21
433	9,341193E+21	1,297714E+22	1,531003E+22	1,530991E+22	1,297680E+22	9,340850E+21	5,606368E+21	2,774004E+21	1,372694E+21	1,372787E+21	2,774295E+21	5,606796E+21
434	9,341194E+21	1,297667E+22	1,530915E+22	1,530910E+22	1,297668E+22	9,341193E+21	5,606723E+21	2,774208E+21	1,372733E+21	1,372676E+21	2,774030E+21	5,606416E+21
435	9,340765E+21	1,297648E+22	1,530965E+22	1,530994E+22	1,297722E+22	9,341383E+21	5,606667E+21	2,774068E+21	1,372624E+21	1,372615E+21	2,774056E+21	5,606661E+21
436	9,341355E+21	1,297709E+22	1,530980E+22	1,530967E+22	1,297673E+22	9,340970E+21	5,606418E+21	2,773886E+21	1,372486E+21	1,372543E+21	2,774039E+21	5,606615E+21
437	9,341152E+21	1,297672E+22	1,530934E+22	1,530952E+22	1,297707E+22	9,341439E+21	5,606765E+21	2,774051E+21	1,372456E+21	1,372336E+21	2,773670E+21	5,606205E+21
438	9,340970E+21	1,297720E+22	1,531051E+22	1,531054E+22	1,297748E+22	9,341292E+21	5,606377E+21	2,773697E+21	1,372255E+21	1,372281E+21	2,773798E+21	5,606586E+21
439	9,341532E+21	1,297754E+22	1,531037E+22	1,531003E+22	1,297694E+22	9,341054E+21	5,606305E+21	2,773608E+21	1,372135E+21	1,372156E+21	2,773657E+21	5,606344E+21
440	9,341086E+21	1,297702E+22	1,531026E+22	1,531061E+22	1,297765E+22	9,341495E+21	5,606529E+21	2,773698E+21	1,372106E+21	1,372018E+21	2,773439E+21	5,606205E+21
441	9,341315E+21	1,297776E+22	1,531107E+22	1,531113E+22	1,297779E+22	9,341220E+21	5,606089E+21	2,773345E+21	1,371942E+21	1,372039E+21	2,773666E+21	5,606589E+21
442	9,341606E+21	1,297768E+22	1,531052E+22	1,531025E+22	1,297734E+22	9,341333E+21	5,606343E+21	2,773496E+21	1,371957E+21	1,371931E+21	2,773413E+21	5,606201E+21
443	9,341126E+21	1,297733E+22	1,531079E+22	1,531095E+22	1,297782E+22	9,341585E+21	5,606481E+21	2,773579E+21	1,372021E+21	1,371984E+21	2,773451E+21	5,606284E+21
444	9,341472E+21	1,297783E+22	1,531098E+22	1,531079E+22	1,297734E+22	9,341058E+21	5,606189E+21	2,773504E+21	1,372085E+21	1,372166E+21	2,773724E+21	5,606455E+21
445	9,341256E+21	1,297717E+22	1,530998E+22	1,531002E+22	1,297730E+22	9,341410E+21	5,606615E+21	2,773898E+21	1,372338E+21	1,372256E+21	2,773634E+21	5,606165E+21
446	9,340805E+21	1,297690E+22	1,531026E+22	1,531047E+22	1,297755E+22	9,341419E+21	5,606509E+21	2,773865E+21	1,372450E+21	1,372483E+21	2,773976E+21	5,606662E+21
447	9,341403E+21	1,297709E+22	1,530969E+22	1,530938E+22	1,297650E+22	9,340894E+21	5,606428E+21	2,773954E+21	1,372596E+21	1,372676E+21	2,774179E+21	5,606695E+21
448	9,341050E+21	1,297635E+22	1,530887E+22	1,530907E+22	1,297665E+22	9,341219E+21	5,606853E+21	2,774362E+21	1,372856E+21	1,372770E+21	2,774084E+21	5,606467E+21
449	9,340965E+21	1,297672E+22	1,530946E+22	1,530942E+22	1,297665E+22	9,340920E+21	5,606524E+21	2,774219E+21	1,372922E+21	1,373002E+21	2,774475E+21	5,606930E+21
450	9,341274E+21	1,297663E+22	1,530890E+22	1,530844E+22	1,297589E+22	9,340765E+21	5,606695E+21	2,774429E+21	1,373065E+21	1,373067E+21	2,774420E+21	5,606642E+21
451	9,340669E+21	1,297590E+22	1,530867E+22	1,530897E+22	1,297653E+22	9,341177E+21	5,606948E+21	2,774604E+21	1,373176E+21	1,373116E+21	2,774408E+21	5,606632E+21
452	9,340885E+21	1,297637E+22	1,530898E+22	1,530897E+22	1,297629E+22	9,340786E+21	5,606591E+21	2,774395E+21	1,373132E+21	1,373224E+21	2,774681E+21	5,606977E+21
453	9,340998E+21	1,297601E+22	1,530817E+22	1,530816E+22	1,297613E+22	9,341107E+21	5,606946E+21	2,774604E+21	1,373163E+21	1,373093E+21	2,774380E+21	5,606569E+21
454	9,340601E+21	1,297587E+22	1,530868E+22	1,530903E+22	1,297667E+22	9,341261E+21	5,606874E+21	2,774457E+21	1,373047E+21	1,373019E+21	2,774375E+21	5,606793E+21
455	9,341275E+21	1,297667E+22	1,530897E+22	1,530867E+22	1,297601E+22	9,340703E+21	5,606538E+21	2,774230E+21	1,372893E+21	1,372956E+21	2,774405E+21	5,606779E+21
456	9,341018E+21	1,297630E+22	1,530871E+22	1,530881E+22	1,297643E+22	9,341099E+21	5,606830E+21	2,774377E+21	1,372850E+21	1,372735E+21	2,774021E+21	5,606352E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,340784E+21	1,297666E+22	1,530975E+22	1,530985E+22	1,297700E+22	9,341084E+21	5,606457E+21	2,774010E+21	1,372652E+21	1,372696E+21	2,774182E+21	5,606778E+21
458	9,341351E+21	1,297699E+22	1,530967E+22	1,530935E+22	1,297646E+22	9,340882E+21	5,606396E+21	2,773896E+21	1,372502E+21	1,372539E+21	2,774008E+21	5,606546E+21
459	9,341010E+21	1,297653E+22	1,530947E+22	1,530985E+22	1,297719E+22	9,341383E+21	5,606671E+21	2,773994E+21	1,372463E+21	1,372389E+21	2,773764E+21	5,606330E+21
460	9,341155E+21	1,297724E+22	1,531019E+22	1,531017E+22	1,297717E+22	9,341081E+21	5,606300E+21	2,773733E+21	1,372363E+21	1,372443E+21	2,773986E+21	5,606679E+21
461	9,341394E+21	1,297718E+22	1,530976E+22	1,530941E+22	1,297675E+22	9,341180E+21	5,606556E+21	2,773931E+21	1,372434E+21	1,372386E+21	2,773763E+21	5,606263E+21
462	9,340805E+21	1,297662E+22	1,530987E+22	1,531017E+22	1,297733E+22	9,341441E+21	5,606697E+21	2,774037E+21	1,372534E+21	1,372480E+21	2,773849E+21	5,606403E+21
463	9,341205E+21	1,297710E+22	1,530991E+22	1,530976E+22	1,297668E+22	9,340837E+21	5,606343E+21	2,773922E+21	1,372594E+21	1,372693E+21	2,774210E+21	5,606700E+21
464	9,341052E+21	1,297645E+22	1,530892E+22	1,530898E+22	1,297656E+22	9,341125E+21	5,606764E+21	2,774310E+21	1,372827E+21	1,372759E+21	2,774091E+21	5,606408E+21
465	9,340657E+21	1,297622E+22	1,530915E+22	1,530937E+22	1,297682E+22	9,341189E+21	5,606686E+21	2,774288E+21	1,372943E+21	1,372986E+21	2,774427E+21	5,606890E+21
466	9,341263E+21	1,297657E+22	1,530885E+22	1,530842E+22	1,297577E+22	9,340623E+21	5,606572E+21	2,774359E+21	1,373074E+21	1,373153E+21	2,774588E+21	5,606878E+21
467	9,340916E+21	1,297586E+22	1,530808E+22	1,530822E+22	1,297603E+22	9,341007E+21	5,607011E+21	2,774754E+21	1,373326E+21	1,373247E+21	2,774487E+21	5,606578E+21
468	9,340671E+21	1,297606E+22	1,530857E+22	1,530855E+22	1,297605E+22	9,340741E+21	5,606732E+21	2,774668E+21	1,373430E+21	1,373502E+21	2,774899E+21	5,607081E+21
469	9,340987E+21	1,297592E+22	1,530795E+22	1,530763E+22	1,297543E+22	9,340658E+21	5,606893E+21	2,774865E+21	1,373570E+21	1,373567E+21	2,774847E+21	5,606817E+21
470	9,340408E+21	1,297509E+22	1,530754E+22	1,530804E+22	1,297607E+22	9,341124E+21	5,607184E+21	2,775023E+21	1,373649E+21	1,373582E+21	2,774806E+21	5,606835E+21
471	9,340779E+21	1,297577E+22	1,530789E+22	1,530783E+22	1,297556E+22	9,340580E+21	5,606765E+21	2,774770E+21	1,373565E+21	1,373663E+21	2,775078E+21	5,607195E+21
472	9,340918E+21	1,297556E+22	1,530734E+22	1,530718E+22	1,297533E+22	9,340774E+21	5,607069E+21	2,774963E+21	1,373568E+21	1,373492E+21	2,774713E+21	5,606697E+21
473	9,340445E+21	1,297541E+22	1,530792E+22	1,530819E+22	1,297603E+22	9,341006E+21	5,606996E+21	2,774805E+21	1,373453E+21	1,373426E+21	2,774721E+21	5,606904E+21
474	9,341038E+21	1,297621E+22	1,530842E+22	1,530808E+22	1,297548E+22	9,340435E+21	5,606595E+21	2,774526E+21	1,373267E+21	1,373339E+21	2,774743E+21	5,606918E+21
475	9,340832E+21	1,297578E+22	1,530800E+22	1,530820E+22	1,297606E+22	9,340960E+21	5,606905E+21	2,774636E+21	1,373197E+21	1,373105E+21	2,774358E+21	5,606485E+21
476	9,340572E+21	1,297606E+22	1,530887E+22	1,530904E+22	1,297653E+22	9,341002E+21	5,606638E+21	2,774339E+21	1,373025E+21	1,373067E+21	2,774509E+21	5,606940E+21
477	9,341216E+21	1,297648E+22	1,530884E+22	1,530858E+22	1,297600E+22	9,340788E+21	5,606590E+21	2,774261E+21	1,372903E+21	1,372922E+21	2,774313E+21	5,606652E+21
478	9,340834E+21	1,297599E+22	1,530860E+22	1,530904E+22	1,297670E+22	9,341300E+21	5,606905E+21	2,774400E+21	1,372897E+21	1,372798E+21	2,774076E+21	5,606416E+21
479	9,340967E+21	1,297673E+22	1,530935E+22	1,530922E+22	1,297646E+22	9,340850E+21	5,606478E+21	2,774139E+21	1,372827E+21	1,372906E+21	2,774381E+21	5,606811E+21
480	9,341134E+21	1,297657E+22	1,530894E+22	1,530861E+22	1,297607E+22	9,340859E+21	5,606691E+21	2,774345E+21	1,372919E+21	1,372876E+21	2,774195E+21	5,606435E+21
481	9,340533E+21	1,297587E+22	1,530880E+22	1,530922E+22	1,297674E+22	9,341244E+21	5,606848E+21	2,774446E+21	1,373035E+21	1,373003E+21	2,774336E+21	5,606650E+21
482	9,340983E+21	1,297641E+22	1,530891E+22	1,530877E+22	1,297601E+22	9,340604E+21	5,606478E+21	2,774303E+21	1,373066E+21	1,373186E+21	2,774672E+21	5,606980E+21
483	9,340984E+21	1,297589E+22	1,530792E+22	1,530796E+22	1,297588E+22	9,340897E+21	5,606906E+21	2,774680E+21	1,373285E+21	1,373234E+21	2,774510E+21	5,606598E+21
484	9,340507E+21	1,297568E+22	1,530818E+22	1,530828E+22	1,297605E+22	9,340948E+21	5,606895E+21	2,774740E+21	1,373447E+21	1,373475E+21	2,774831E+21	5,607041E+21
485	9,341053E+21	1,297601E+22	1,530802E+22	1,530757E+22	1,297517E+22	9,340420E+21	5,606777E+21	2,774829E+21	1,373605E+21	1,373664E+21	2,774993E+21	5,606981E+21
486	9,340601E+21	1,297515E+22	1,530714E+22	1,530743E+22	1,297557E+22	9,340894E+21	5,607241E+21	2,775222E+21	1,373854E+21	1,373762E+21	2,774911E+21	5,606728E+21
487	9,340402E+21	1,297532E+22	1,530749E+22	1,530752E+22	1,297543E+22	9,340584E+21	5,606930E+21	2,775093E+21	1,373931E+21	1,374013E+21	2,775361E+21	5,607306E+21
488	9,340781E+21	1,297522E+22	1,530693E+22	1,530666E+22	1,297476E+22	9,340440E+21	5,607082E+21	2,775266E+21	1,374026E+21	1,374028E+21	2,775258E+21	5,607027E+21
489	9,340267E+21	1,297447E+22	1,530647E+22	1,530700E+22	1,297541E+22	9,340926E+21	5,607359E+21	2,775407E+21	1,374086E+21	1,374022E+21	2,775192E+21	5,607008E+21
490	9,340603E+21	1,297529E+22	1,530712E+22	1,530693E+22	1,297488E+22	9,340313E+21	5,606882E+21	2,775110E+21	1,373962E+21	1,374057E+21	2,775415E+21	5,607342E+21
491	9,340787E+21	1,297515E+22	1,530668E+22	1,530646E+22	1,297476E+22	9,340521E+21	5,607154E+21	2,775262E+21	1,373940E+21	1,373874E+21	2,775039E+21	5,606786E+21
492	9,340192E+21	1,297487E+22	1,530720E+22	1,530746E+22	1,297548E+22	9,340787E+21	5,607128E+21	2,775155E+21	1,373856E+21	1,373824E+21	2,775070E+21	5,607048E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,340817E+21	1,297563E+22	1,530763E+22	1,530744E+22	1,297514E+22	9,340336E+21	5,606736E+21	2,774865E+21	1,373671E+21	1,373739E+21	2,775086E+21	5,607074E+21
494	9,340654E+21	1,297519E+22	1,530711E+22	1,530744E+22	1,297568E+22	9,340922E+21	5,607103E+21	2,774980E+21	1,373587E+21	1,373488E+21	2,774680E+21	5,606654E+21
495	9,340489E+21	1,297559E+22	1,530797E+22	1,530807E+22	1,297589E+22	9,340823E+21	5,606810E+21	2,774690E+21	1,373422E+21	1,373461E+21	2,774844E+21	5,607089E+21
496	9,341089E+21	1,297605E+22	1,530813E+22	1,530777E+22	1,297533E+22	9,340510E+21	5,606738E+21	2,774629E+21	1,373314E+21	1,373325E+21	2,774636E+21	5,606742E+21
497	9,340601E+21	1,297546E+22	1,530779E+22	1,530822E+22	1,297612E+22	9,341080E+21	5,607062E+21	2,774790E+21	1,373349E+21	1,373253E+21	2,774465E+21	5,606523E+21
498	9,340623E+21	1,297610E+22	1,530859E+22	1,530849E+22	1,297592E+22	9,340613E+21	5,606590E+21	2,774503E+21	1,373273E+21	1,373365E+21	2,774797E+21	5,607000E+21
499	9,340906E+21	1,297590E+22	1,530799E+22	1,530776E+22	1,297555E+22	9,340686E+21	5,606812E+21	2,774682E+21	1,373353E+21	1,373341E+21	2,774627E+21	5,606642E+21
500	9,340317E+21	1,297517E+22	1,530771E+22	1,530814E+22	1,297606E+22	9,341068E+21	5,607062E+21	2,774863E+21	1,373505E+21	1,373476E+21	2,774765E+21	5,606895E+21
501	9,340873E+21	1,297582E+22	1,530788E+22	1,530776E+22	1,297540E+22	9,340426E+21	5,606682E+21	2,774742E+21	1,373561E+21	1,373667E+21	2,775072E+21	5,607161E+21
502	9,340841E+21	1,297534E+22	1,530695E+22	1,530697E+22	1,297526E+22	9,340741E+21	5,607139E+21	2,775139E+21	1,373795E+21	1,373724E+21	2,774906E+21	5,606754E+21
503	9,340337E+21	1,297513E+22	1,530728E+22	1,530727E+22	1,297529E+22	9,340667E+21	5,607085E+21	2,775200E+21	1,373977E+21	1,374001E+21	2,775280E+21	5,607215E+21
504	9,340799E+21	1,297537E+22	1,530715E+22	1,530675E+22	1,297450E+22	9,340112E+21	5,606936E+21	2,775280E+21	1,374131E+21	1,374193E+21	2,775451E+21	5,607162E+21
505	9,340313E+21	1,297437E+22	1,530603E+22	1,530646E+22	1,297501E+22	9,340744E+21	5,607433E+21	2,775652E+21	1,374368E+21	1,374292E+21	2,775391E+21	5,606950E+21
506	9,340140E+21	1,297462E+22	1,530650E+22	1,530653E+22	1,297478E+22	9,340382E+21	5,607094E+21	2,775474E+21	1,374384E+21	1,374476E+21	2,775777E+21	5,607531E+21
507	9,340667E+21	1,297466E+22	1,530595E+22	1,530565E+22	1,297410E+22	9,340214E+21	5,607222E+21	2,775615E+21	1,374442E+21	1,374453E+21	2,775615E+21	5,607154E+21
508	9,340073E+21	1,297395E+22	1,530557E+22	1,530598E+22	1,297469E+22	9,340689E+21	5,607543E+21	2,775808E+21	1,374522E+21	1,374439E+21	2,775532E+21	5,607125E+21
509	9,340389E+21	1,297476E+22	1,530636E+22	1,530620E+22	1,297437E+22	9,340104E+21	5,607027E+21	2,775497E+21	1,374402E+21	1,374477E+21	2,775745E+21	5,607428E+21
510	9,340512E+21	1,297453E+22	1,530589E+22	1,530581E+22	1,297439E+22	9,340406E+21	5,607312E+21	2,775623E+21	1,374359E+21	1,374283E+21	2,775385E+21	5,606941E+21
511	9,339998E+21	1,297428E+22	1,530632E+22	1,530661E+22	1,297495E+22	9,340618E+21	5,607265E+21	2,775488E+21	1,374256E+21	1,374235E+21	2,775445E+21	5,607255E+21
512	9,340683E+21	1,297509E+22	1,530682E+22	1,530666E+22	1,297458E+22	9,340137E+21	5,606886E+21	2,775195E+21	1,374047E+21	1,374120E+21	2,775419E+21	5,607239E+21
513	9,340537E+21	1,297470E+22	1,530624E+22	1,530658E+22	1,297517E+22	9,340779E+21	5,607268E+21	2,775321E+21	1,373976E+21	1,373882E+21	2,775020E+21	5,606783E+21
514	9,340295E+21	1,297516E+22	1,530732E+22	1,530727E+22	1,297530E+22	9,340607E+21	5,606939E+21	2,775018E+21	1,373804E+21	1,373844E+21	2,775166E+21	5,607202E+21
515	9,340902E+21	1,297559E+22	1,530745E+22	1,530706E+22	1,297481E+22	9,340283E+21	5,606844E+21	2,774953E+21	1,373713E+21	1,373737E+21	2,774988E+21	5,606843E+21
516	9,340311E+21	1,297482E+22	1,530691E+22	1,530737E+22	1,297556E+22	9,340877E+21	5,607223E+21	2,775183E+21	1,373802E+21	1,373708E+21	2,774877E+21	5,606729E+21
517	9,340398E+21	1,297537E+22	1,530756E+22	1,530764E+22	1,297547E+22	9,340485E+21	5,606765E+21	2,774901E+21	1,373743E+21	1,373835E+21	2,775214E+21	5,607224E+21
518	9,340756E+21	1,297525E+22	1,530694E+22	1,530677E+22	1,297499E+22	9,340565E+21	5,607029E+21	2,775096E+21	1,373822E+21	1,373805E+21	2,775037E+21	5,606887E+21
519	9,340256E+21	1,297466E+22	1,530670E+22	1,530695E+22	1,297521E+22	9,340771E+21	5,607242E+21	2,775295E+21	1,373998E+21	1,373963E+21	2,775181E+21	5,607092E+21
520	9,340741E+21	1,297535E+22	1,530708E+22	1,530682E+22	1,297461E+22	9,340101E+21	5,606856E+21	2,775188E+21	1,374068E+21	1,374165E+21	2,775474E+21	5,607285E+21
521	9,340591E+21	1,297475E+22	1,530609E+22	1,530609E+22	1,297463E+22	9,340496E+21	5,607310E+21	2,775589E+21	1,374327E+21	1,374260E+21	2,775358E+21	5,606881E+21
522	9,339970E+21	1,297442E+22	1,530641E+22	1,530643E+22	1,297472E+22	9,340446E+21	5,607232E+21	2,775616E+21	1,374480E+21	1,374512E+21	2,775728E+21	5,607403E+21
523	9,340534E+21	1,297463E+22	1,530613E+22	1,530585E+22	1,297400E+22	9,339969E+21	5,607098E+21	2,775659E+21	1,374599E+21	1,374681E+21	2,775881E+21	5,607344E+21
524	9,340055E+21	1,297362E+22	1,530491E+22	1,530535E+22	1,297435E+22	9,340588E+21	5,607672E+21	2,776089E+21	1,374843E+21	1,374760E+21	2,775804E+21	5,607161E+21
525	9,339967E+21	1,297394E+22	1,530544E+22	1,530554E+22	1,297420E+22	9,340226E+21	5,607308E+21	2,775907E+21	1,374856E+21	1,374924E+21	2,776137E+21	5,607665E+21
526	9,340479E+21	1,297411E+22	1,530506E+22	1,530471E+22	1,297350E+22	9,340053E+21	5,607431E+21	2,776032E+21	1,374899E+21	1,374888E+21	2,775972E+21	5,607302E+21
527	9,339893E+21	1,297341E+22	1,530476E+22	1,530504E+22	1,297395E+22	9,340374E+21	5,607673E+21	2,776200E+21	1,374978E+21	1,374893E+21	2,775928E+21	5,607299E+21
528	9,340194E+21	1,297419E+22	1,530560E+22	1,530547E+22	1,297381E+22	9,339837E+21	5,607132E+21	2,775852E+21	1,374832E+21	1,374917E+21	2,776138E+21	5,607618E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,340339E+21	1,297393E+22	1,530499E+22	1,530499E+22	1,297393E+22	9,340269E+21	5,607435E+21	2,775944E+21	1,374764E+21	1,374711E+21	2,775781E+21	5,607147E+21
530	9,339859E+21	1,297380E+22	1,530558E+22	1,530578E+22	1,297440E+22	9,340435E+21	5,607378E+21	2,775780E+21	1,374610E+21	1,374599E+21	2,775770E+21	5,607438E+21
531	9,340631E+21	1,297471E+22	1,530611E+22	1,530589E+22	1,297407E+22	9,339948E+21	5,606990E+21	2,775479E+21	1,374391E+21	1,374468E+21	2,775695E+21	5,607305E+21
532	9,340331E+21	1,297425E+22	1,530555E+22	1,530575E+22	1,297458E+22	9,340594E+21	5,607445E+21	2,775686E+21	1,374370E+21	1,374261E+21	2,775327E+21	5,606869E+21
533	9,340035E+21	1,297456E+22	1,530657E+22	1,530663E+22	1,297491E+22	9,340460E+21	5,607103E+21	2,775401E+21	1,374235E+21	1,374258E+21	2,775492E+21	5,607276E+21
534	9,340593E+21	1,297491E+22	1,530657E+22	1,530631E+22	1,297442E+22	9,340208E+21	5,607036E+21	2,775340E+21	1,374153E+21	1,374171E+21	2,775372E+21	5,607038E+21
535	9,340117E+21	1,297414E+22	1,530590E+22	1,530634E+22	1,297490E+22	9,340669E+21	5,607390E+21	2,775573E+21	1,374258E+21	1,374173E+21	2,775304E+21	5,606982E+21
536	9,340301E+21	1,297478E+22	1,530661E+22	1,530664E+22	1,297475E+22	9,340218E+21	5,606936E+21	2,775303E+21	1,374202E+21	1,374298E+21	2,775616E+21	5,607432E+21
537	9,340647E+21	1,297470E+22	1,530597E+22	1,530573E+22	1,297431E+22	9,340334E+21	5,607196E+21	2,775510E+21	1,374306E+21	1,374294E+21	2,775454E+21	5,607046E+21
538	9,340060E+21	1,297419E+22	1,530598E+22	1,530604E+22	1,297450E+22	9,340474E+21	5,607369E+21	2,775693E+21	1,374475E+21	1,374441E+21	2,775583E+21	5,607238E+21
539	9,340519E+21	1,297479E+22	1,530630E+22	1,530602E+22	1,297403E+22	9,339838E+21	5,606975E+21	2,775587E+21	1,374560E+21	1,374667E+21	2,775892E+21	5,607399E+21
540	9,340238E+21	1,297398E+22	1,530510E+22	1,530516E+22	1,297408E+22	9,340335E+21	5,607519E+21	2,776048E+21	1,374853E+21	1,374789E+21	2,775829E+21	5,607101E+21
541	9,339698E+21	1,297355E+22	1,530523E+22	1,530549E+22	1,297427E+22	9,340360E+21	5,607463E+21	2,776072E+21	1,375001E+21	1,375027E+21	2,776167E+21	5,607601E+21
542	9,340321E+21	1,297388E+22	1,530497E+22	1,530475E+22	1,297341E+22	9,339877E+21	5,607361E+21	2,776116E+21	1,375097E+21	1,375165E+21	2,776302E+21	5,607574E+21
543	9,339931E+21	1,297301E+22	1,530384E+22	1,530411E+22	1,297347E+22	9,340288E+21	5,607860E+21	2,776534E+21	1,375340E+21	1,375246E+21	2,776217E+21	5,607354E+21
544	9,339821E+21	1,297340E+22	1,530459E+22	1,530455E+22	1,297340E+22	9,339896E+21	5,607464E+21	2,776326E+21	1,375336E+21	1,375398E+21	2,776526E+21	5,607798E+21
545	9,340254E+21	1,297352E+22	1,530422E+22	1,530387E+22	1,297290E+22	9,339803E+21	5,607551E+21	2,776415E+21	1,375365E+21	1,375366E+21	2,776391E+21	5,607451E+21
546	9,339641E+21	1,297286E+22	1,530403E+22	1,530429E+22	1,297342E+22	9,340136E+21	5,607743E+21	2,776513E+21	1,375382E+21	1,375315E+21	2,776314E+21	5,607503E+21
547	9,340062E+21	1,297366E+22	1,530482E+22	1,530474E+22	1,297338E+22	9,339697E+21	5,607229E+21	2,776134E+21	1,375193E+21	1,375296E+21	2,776469E+21	5,607766E+21
548	9,340185E+21	1,297341E+22	1,530419E+22	1,530415E+22	1,297343E+22	9,340155E+21	5,607616E+21	2,776281E+21	1,375131E+21	1,375072E+21	2,776093E+21	5,607302E+21
549	9,339740E+21	1,297328E+22	1,530477E+22	1,530507E+22	1,297401E+22	9,340348E+21	5,607565E+21	2,776133E+21	1,374990E+21	1,374952E+21	2,776030E+21	5,607485E+21
550	9,340421E+21	1,297423E+22	1,530543E+22	1,530517E+22	1,297363E+22	9,339865E+21	5,607199E+21	2,775850E+21	1,374785E+21	1,374838E+21	2,775993E+21	5,607399E+21
551	9,340095E+21	1,297368E+22	1,530479E+22	1,530490E+22	1,297392E+22	9,340327E+21	5,607587E+21	2,776071E+21	1,374808E+21	1,374694E+21	2,775705E+21	5,607026E+21
552	9,339801E+21	1,297389E+22	1,530570E+22	1,530582E+22	1,297434E+22	9,340250E+21	5,607245E+21	2,775774E+21	1,374681E+21	1,374714E+21	2,775901E+21	5,607475E+21
553	9,340410E+21	1,297423E+22	1,530556E+22	1,530534E+22	1,297386E+22	9,340045E+21	5,607179E+21	2,775702E+21	1,374602E+21	1,374644E+21	2,775810E+21	5,607268E+21
554	9,340006E+21	1,297364E+22	1,530503E+22	1,530532E+22	1,297417E+22	9,340382E+21	5,607489E+21	2,775917E+21	1,374682E+21	1,374609E+21	2,775694E+21	5,607201E+21
555	9,340255E+21	1,297437E+22	1,530582E+22	1,530572E+22	1,297409E+22	9,339949E+21	5,607037E+21	2,775656E+21	1,374636E+21	1,374734E+21	2,775965E+21	5,607534E+21
556	9,340429E+21	1,297418E+22	1,530521E+22	1,530485E+22	1,297365E+22	9,340094E+21	5,607372E+21	2,775936E+21	1,374791E+21	1,374769E+21	2,775847E+21	5,607170E+21
557	9,339769E+21	1,297347E+22	1,530509E+22	1,530533E+22	1,297408E+22	9,340330E+21	5,607563E+21	2,776142E+21	1,374989E+21	1,374942E+21	2,775984E+21	5,607336E+21
558	9,340170E+21	1,297399E+22	1,530528E+22	1,530516E+22	1,297362E+22	9,339803E+21	5,607224E+21	2,776043E+21	1,375075E+21	1,375175E+21	2,776341E+21	5,607612E+21
559	9,339978E+21	1,297316E+22	1,530393E+22	1,530399E+22	1,297334E+22	9,340151E+21	5,607755E+21	2,776514E+21	1,375379E+21	1,375317E+21	2,776305E+21	5,607363E+21
560	9,339553E+21	1,297283E+22	1,530409E+22	1,530434E+22	1,297350E+22	9,340140E+21	5,607691E+21	2,776529E+21	1,375513E+21	1,375537E+21	2,776605E+21	5,607805E+21
561	9,340174E+21	1,297326E+22	1,530389E+22	1,530359E+22	1,297265E+22	9,339645E+21	5,607549E+21	2,776556E+21	1,375604E+21	1,375675E+21	2,776741E+21	5,607744E+21
562	9,339758E+21	1,297254E+22	1,530306E+22	1,530312E+22	1,297266E+22	9,339929E+21	5,607957E+21	2,776916E+21	1,375804E+21	1,375714E+21	2,776624E+21	5,607536E+21
563	9,339667E+21	1,297290E+22	1,530386E+22	1,530378E+22	1,297280E+22	9,339591E+21	5,607525E+21	2,776672E+21	1,375776E+21	1,375848E+21	2,776910E+21	5,607935E+21
564	9,340002E+21	1,297288E+22	1,530339E+22	1,530309E+22	1,297241E+22	9,339636E+21	5,607689E+21	2,776775E+21	1,375796E+21	1,375805E+21	2,776792E+21	5,607665E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,339485E+21	1,297221E+22	1,530313E+22	1,530358E+22	1,297307E+22	9,340070E+21	5,607916E+21	2,776861E+21	1,375786E+21	1,375711E+21	2,776643E+21	5,607642E+21
566	9,339923E+21	1,297315E+22	1,530397E+22	1,530391E+22	1,297295E+22	9,339670E+21	5,607458E+21	2,776497E+21	1,375577E+21	1,375659E+21	2,776767E+21	5,607895E+21
567	9,340035E+21	1,297293E+22	1,530341E+22	1,530323E+22	1,297276E+22	9,339948E+21	5,607795E+21	2,776658E+21	1,375540E+21	1,375461E+21	2,776403E+21	5,607401E+21
568	9,339553E+21	1,297276E+22	1,530405E+22	1,530429E+22	1,297340E+22	9,340123E+21	5,607725E+21	2,776506E+21	1,375412E+21	1,375364E+21	2,776354E+21	5,607539E+21
569	9,340109E+21	1,297357E+22	1,530458E+22	1,530441E+22	1,297313E+22	9,339688E+21	5,607335E+21	2,776214E+21	1,375221E+21	1,375285E+21	2,776384E+21	5,607524E+21
570	9,339827E+21	1,297308E+22	1,530398E+22	1,530408E+22	1,297335E+22	9,340093E+21	5,607659E+21	2,776377E+21	1,375206E+21	1,375115E+21	2,776104E+21	5,607258E+21
571	9,339698E+21	1,297333E+22	1,530481E+22	1,530494E+22	1,297377E+22	9,340041E+21	5,607332E+21	2,776077E+21	1,375067E+21	1,375120E+21	2,776263E+21	5,607655E+21
572	9,340288E+21	1,297370E+22	1,530466E+22	1,530440E+22	1,297324E+22	9,339860E+21	5,607343E+21	2,776066E+21	1,375017E+21	1,375062E+21	2,776183E+21	5,607469E+21
573	9,339916E+21	1,297312E+22	1,530419E+22	1,530453E+22	1,297366E+22	9,340220E+21	5,607655E+21	2,776303E+21	1,375124E+21	1,375036E+21	2,776026E+21	5,607289E+21
574	9,340046E+21	1,297386E+22	1,530507E+22	1,530492E+22	1,297356E+22	9,339830E+21	5,607258E+21	2,776085E+21	1,375108E+21	1,375189E+21	2,776345E+21	5,607664E+21
575	9,340148E+21	1,297350E+22	1,530432E+22	1,530395E+22	1,297299E+22	9,339846E+21	5,607553E+21	2,776394E+21	1,375319E+21	1,375295E+21	2,776306E+21	5,607370E+21
576	9,339516E+21	1,297267E+22	1,530401E+22	1,530436E+22	1,297348E+22	9,340172E+21	5,607777E+21	2,776595E+21	1,375524E+21	1,375487E+21	2,776464E+21	5,607547E+21
577	9,339925E+21	1,297318E+22	1,530408E+22	1,530402E+22	1,297296E+22	9,339670E+21	5,607458E+21	2,776500E+21	1,375607E+21	1,375722E+21	2,776831E+21	5,607846E+21
578	9,339832E+21	1,297257E+22	1,530290E+22	1,530281E+22	1,297247E+22	9,339842E+21	5,607908E+21	2,776930E+21	1,375870E+21	1,375815E+21	2,776746E+21	5,607595E+21
579	9,339471E+21	1,297233E+22	1,530317E+22	1,530328E+22	1,297271E+22	9,339820E+21	5,607807E+21	2,776927E+21	1,375991E+21	1,376012E+21	2,776988E+21	5,607918E+21
580	9,339939E+21	1,297269E+22	1,530306E+22	1,530267E+22	1,297195E+22	9,339369E+21	5,607704E+21	2,776978E+21	1,376090E+21	1,376157E+21	2,777153E+21	5,607901E+21
581	9,339512E+21	1,297186E+22	1,530219E+22	1,530244E+22	1,297224E+22	9,339750E+21	5,608094E+21	2,777309E+21	1,376272E+21	1,376174E+21	2,777003E+21	5,607658E+21
582	9,339408E+21	1,297226E+22	1,530299E+22	1,530304E+22	1,297242E+22	9,339558E+21	5,607737E+21	2,777056E+21	1,376210E+21	1,376276E+21	2,777295E+21	5,608134E+21
583	9,339809E+21	1,297223E+22	1,530246E+22	1,530218E+22	1,297180E+22	9,339472E+21	5,607882E+21	2,777160E+21	1,376228E+21	1,376231E+21	2,777164E+21	5,607858E+21
584	9,339366E+21	1,297164E+22	1,530222E+22	1,530268E+22	1,297249E+22	9,339938E+21	5,608125E+21	2,777236E+21	1,376201E+21	1,376118E+21	2,776970E+21	5,607741E+21
585	9,339726E+21	1,297263E+22	1,530313E+22	1,530303E+22	1,297238E+22	9,339536E+21	5,607643E+21	2,776865E+21	1,375993E+21	1,376070E+21	2,777100E+21	5,607966E+21
586	9,339805E+21	1,297249E+22	1,530274E+22	1,530243E+22	1,297207E+22	9,339648E+21	5,607881E+21	2,776980E+21	1,375930E+21	1,375859E+21	2,776750E+21	5,607539E+21
587	9,339365E+21	1,297223E+22	1,530329E+22	1,530359E+22	1,297288E+22	9,339870E+21	5,607775E+21	2,776807E+21	1,375799E+21	1,375765E+21	2,776708E+21	5,607674E+21
588	9,339869E+21	1,297292E+22	1,530369E+22	1,530361E+22	1,297263E+22	9,339529E+21	5,607456E+21	2,776536E+21	1,375616E+21	1,375699E+21	2,776784E+21	5,607771E+21
589	9,339729E+21	1,297247E+22	1,530305E+22	1,530331E+22	1,297289E+22	9,339954E+21	5,607794E+21	2,776700E+21	1,375594E+21	1,375506E+21	2,776445E+21	5,607436E+21
590	9,339629E+21	1,297291E+22	1,530401E+22	1,530408E+22	1,297321E+22	9,339921E+21	5,607530E+21	2,776442E+21	1,375465E+21	1,375505E+21	2,776596E+21	5,607815E+21
591	9,340154E+21	1,297324E+22	1,530389E+22	1,530348E+22	1,297250E+22	9,339591E+21	5,607506E+21	2,776468E+21	1,375471E+21	1,375503E+21	2,776542E+21	5,607592E+21
592	9,339717E+21	1,297259E+22	1,530342E+22	1,530372E+22	1,297305E+22	9,340016E+21	5,607845E+21	2,776725E+21	1,375614E+21	1,375521E+21	2,776417E+21	5,607368E+21
593	9,339700E+21	1,297313E+22	1,530411E+22	1,530407E+22	1,297306E+22	9,339704E+21	5,607461E+21	2,776527E+21	1,375628E+21	1,375716E+21	2,776797E+21	5,607806E+21
594	9,339849E+21	1,297280E+22	1,530332E+22	1,530298E+22	1,297233E+22	9,339634E+21	5,607711E+21	2,776801E+21	1,375814E+21	1,375809E+21	2,776779E+21	5,607625E+21
595	9,339370E+21	1,297199E+22	1,530290E+22	1,530331E+22	1,297280E+22	9,339952E+21	5,607937E+21	2,777004E+21	1,376010E+21	1,375980E+21	2,776894E+21	5,607740E+21
596	9,339726E+21	1,297250E+22	1,530298E+22	1,530292E+22	1,297223E+22	9,339456E+21	5,607670E+21	2,776947E+21	1,376107E+21	1,376219E+21	2,777271E+21	5,608066E+21
597	9,339686E+21	1,297196E+22	1,530194E+22	1,530188E+22	1,297182E+22	9,339608E+21	5,608085E+21	2,777364E+21	1,376367E+21	1,376296E+21	2,777135E+21	5,607720E+21
598	9,339252E+21	1,297179E+22	1,530234E+22	1,530239E+22	1,297206E+22	9,339617E+21	5,608014E+21	2,777373E+21	1,376486E+21	1,376494E+21	2,777405E+21	5,608078E+21
599	9,339651E+21	1,297200E+22	1,530213E+22	1,530178E+22	1,297130E+22	9,339108E+21	5,607859E+21	2,777415E+21	1,376606E+21	1,376670E+21	2,777606E+21	5,608120E+21
600	9,339315E+21	1,297117E+22	1,530120E+22	1,530154E+22	1,297170E+22	9,339617E+21	5,608273E+21	2,777705E+21	1,376756E+21	1,376669E+21	2,777436E+21	5,607854E+21

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°
601	9,339210E+21	1,297158E+22	1,530193E+22	1,530204E+22	1,297186E+22	9,339464E+21	5,607955E+21	2,777454E+21	1,376668E+21	1,376738E+21	2,777692E+21	5,608305E+21
602	9,339684E+21	1,297177E+22	1,530161E+22	1,530123E+22	1,297109E+22	9,339217E+21	5,608012E+21	2,777502E+21	1,376629E+21	1,376635E+21	2,777510E+21	5,608019E+21
603	9,339265E+21	1,297123E+22	1,530147E+22	1,530185E+22	1,297185E+22	9,339667E+21	5,608216E+21	2,777561E+21	1,376587E+21	1,376497E+21	2,777268E+21	5,607787E+21
604	9,339430E+21	1,297206E+22	1,530239E+22	1,530230E+22	1,297184E+22	9,339329E+21	5,607780E+21	2,777208E+21	1,376388E+21	1,376465E+21	2,777444E+21	5,608085E+21
605	9,339543E+21	1,297183E+22	1,530194E+22	1,530185E+22	1,297170E+22	9,339493E+21	5,607990E+21	2,777294E+21	1,376312E+21	1,376242E+21	2,777082E+21	5,607668E+21
606	9,339157E+21	1,297167E+22	1,530245E+22	1,530282E+22	1,297245E+22	9,339806E+21	5,607957E+21	2,777133E+21	1,376168E+21	1,376138E+21	2,777061E+21	5,607883E+21
607	9,339727E+21	1,297235E+22	1,530278E+22	1,530270E+22	1,297201E+22	9,339335E+21	5,607620E+21	2,776891E+21	1,376017E+21	1,376097E+21	2,777141E+21	5,607986E+21
608	9,339684E+21	1,297203E+22	1,530221E+22	1,530241E+22	1,297229E+22	9,339787E+21	5,607967E+21	2,777059E+21	1,376010E+21	1,375919E+21	2,776782E+21	5,607553E+21
609	9,339461E+21	1,297246E+22	1,530323E+22	1,530322E+22	1,297262E+22	9,339757E+21	5,607726E+21	2,776842E+21	1,375917E+21	1,375950E+21	2,776953E+21	5,607900E+21
610	9,339925E+21	1,297279E+22	1,530322E+22	1,530271E+22	1,297182E+22	9,339281E+21	5,607618E+21	2,776846E+21	1,375927E+21	1,375965E+21	2,776945E+21	5,607749E+21
611	9,339483E+21	1,297197E+22	1,530255E+22	1,530295E+22	1,297251E+22	9,339783E+21	5,607955E+21	2,777110E+21	1,376090E+21	1,376007E+21	2,776841E+21	5,607520E+21
612	9,339380E+21	1,297234E+22	1,530304E+22	1,530313E+22	1,297251E+22	9,339582E+21	5,607670E+21	2,776947E+21	1,376121E+21	1,376224E+21	2,777266E+21	5,608060E+21
613	9,339673E+21	1,297204E+22	1,530219E+22	1,530201E+22	1,297175E+22	9,339477E+21	5,607924E+21	2,777231E+21	1,376304E+21	1,376295E+21	2,777197E+21	5,607824E+21
614	9,339239E+21	1,297145E+22	1,530188E+22	1,530222E+22	1,297210E+22	9,339785E+21	5,608183E+21	2,777461E+21	1,376502E+21	1,376458E+21	2,777310E+21	5,607930E+21
615	9,339519E+21	1,297189E+22	1,530201E+22	1,530182E+22	1,297138E+22	9,339124E+21	5,607852E+21	2,777421E+21	1,376641E+21	1,376737E+21	2,777702E+21	5,608236E+21
616	9,339459E+21	1,297132E+22	1,530100E+22	1,530093E+22	1,297113E+22	9,339356E+21	5,608256E+21	2,777809E+21	1,376900E+21	1,376829E+21	2,777578E+21	5,607856E+21
617	9,338935E+21	1,297106E+22	1,530135E+22	1,530149E+22	1,297150E+22	9,339453E+21	5,608199E+21	2,777808E+21	1,377006E+21	1,377021E+21	2,777863E+21	5,608260E+21
618	9,339423E+21	1,297137E+22	1,530117E+22	1,530084E+22	1,297065E+22	9,338876E+21	5,607993E+21	2,777786E+21	1,377064E+21	1,377146E+21	2,778042E+21	5,608368E+21
619	9,339214E+21	1,297062E+22	1,530024E+22	1,530061E+22	1,297111E+22	9,339415E+21	5,608410E+21	2,778060E+21	1,377176E+21	1,377091E+21	2,777796E+21	5,608001E+21
620	9,339026E+21	1,297102E+22	1,530104E+22	1,530112E+22	1,297127E+22	9,339313E+21	5,608148E+21	2,777827E+21	1,377078E+21	1,377142E+21	2,778034E+21	5,608444E+21
621	9,339507E+21	1,297123E+22	1,530084E+22	1,530052E+22	1,297059E+22	9,339035E+21	5,608170E+21	2,777855E+21	1,377023E+21	1,377013E+21	2,777805E+21	5,608086E+21
622	9,339034E+21	1,297076E+22	1,530077E+22	1,530115E+22	1,297136E+22	9,339505E+21	5,608386E+21	2,777917E+21	1,376976E+21	1,376880E+21	2,777609E+21	5,607916E+21
623	9,339134E+21	1,297138E+22	1,530152E+22	1,530151E+22	1,297130E+22	9,339106E+21	5,607904E+21	2,777566E+21	1,376807E+21	1,376885E+21	2,777826E+21	5,608293E+21
624	9,339389E+21	1,297123E+22	1,530102E+22	1,530097E+22	1,297120E+22	9,339373E+21	5,608142E+21	2,777624E+21	1,376718E+21	1,376662E+21	2,777458E+21	5,607863E+21
625	9,339034E+21	1,297115E+22	1,530156E+22	1,530188E+22	1,297187E+22	9,339660E+21	5,608143E+21	2,777494E+21	1,376579E+21	1,376550E+21	2,777413E+21	5,608046E+21
626	9,339658E+21	1,297202E+22	1,530207E+22	1,530181E+22	1,297131E+22	9,339039E+21	5,607723E+21	2,777223E+21	1,376412E+21	1,376493E+21	2,777475E+21	5,608139E+21
627	9,339593E+21	1,297169E+22	1,530156E+22	1,530167E+22	1,297170E+22	9,339500E+21	5,608050E+21	2,777400E+21	1,376422E+21	1,376326E+21	2,777103E+21	5,607610E+21
628	9,339145E+21	1,297184E+22	1,530246E+22	1,530252E+22	1,297214E+22	9,339578E+21	5,607891E+21	2,777229E+21	1,376366E+21	1,376400E+21	2,777340E+21	5,608031E+21
629	9,339612E+21	1,297203E+22	1,530232E+22	1,530207E+22	1,297146E+22	9,339162E+21	5,607787E+21	2,777232E+21	1,376384E+21	1,376425E+21	2,777342E+21	5,607909E+21
630	9,339233E+21	1,297130E+22	1,530154E+22	1,530200E+22	1,297199E+22	9,339711E+21	5,608206E+21	2,777532E+21	1,376555E+21	1,376477E+21	2,777277E+21	5,607747E+21
631	9,339138E+21	1,297156E+22	1,530187E+22	1,530200E+22	1,297178E+22	9,339375E+21	5,607903E+21	2,777412E+21	1,376633E+21	1,376726E+21	2,777707E+21	5,608298E+21
632	9,339552E+21	1,297144E+22	1,530110E+22	1,530085E+22	1,297101E+22	9,339270E+21	5,608134E+21	2,777683E+21	1,376828E+21	1,376815E+21	2,777630E+21	5,607988E+21
633	9,339025E+21	1,297085E+22	1,530090E+22	1,530110E+22	1,297130E+22	9,339520E+21	5,608392E+21	2,777937E+21	1,377044E+21	1,376993E+21	2,777751E+21	5,608082E+21
634	9,339298E+21	1,297133E+22	1,530114E+22	1,530086E+22	1,297060E+22	9,338749E+21	5,607956E+21	2,777840E+21	1,377157E+21	1,377263E+21	2,778171E+21	5,608466E+21
635	9,339278E+21	1,297070E+22	1,530008E+22	1,530005E+22	1,297054E+22	9,339069E+21	5,608339E+21	2,778193E+21	1,377390E+21	1,377334E+21	2,778026E+21	5,608058E+21
636	9,338695E+21	1,297034E+22	1,530032E+22	1,530055E+22	1,297095E+22	9,339312E+21	5,608392E+21	2,778206E+21	1,377475E+21	1,377503E+21	2,778302E+21	5,608503E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,339284E+21	1,297072E+22	1,530022E+22	1,530000E+22	1,297013E+22	9,338732E+21	5,608186E+21	2,778170E+21	1,377497E+21	1,377569E+21	2,778389E+21	5,608506E+21
638	9,339069E+21	1,297017E+22	1,529944E+22	1,529970E+22	1,297053E+22	9,339283E+21	5,608633E+21	2,778453E+21	1,377591E+21	1,377491E+21	2,778128E+21	5,608101E+21
639	9,338740E+21	1,297041E+22	1,530021E+22	1,530025E+22	1,297062E+22	9,339077E+21	5,608328E+21	2,778237E+21	1,377525E+21	1,377566E+21	2,778372E+21	5,608538E+21
640	9,339239E+21	1,297061E+22	1,529999E+22	1,529971E+22	1,297009E+22	9,338875E+21	5,608324E+21	2,778228E+21	1,377463E+21	1,377450E+21	2,778170E+21	5,608189E+21
641	9,338732E+21	1,297008E+22	1,529987E+22	1,530030E+22	1,297087E+22	9,339375E+21	5,608556E+21	2,778284E+21	1,377404E+21	1,377312E+21	2,777988E+21	5,608097E+21
642	9,338989E+21	1,297084E+22	1,530065E+22	1,530062E+22	1,297068E+22	9,338864E+21	5,608004E+21	2,777875E+21	1,377188E+21	1,377282E+21	2,778200E+21	5,608543E+21
643	9,339369E+21	1,297081E+22	1,530023E+22	1,530015E+22	1,297063E+22	9,339124E+21	5,608220E+21	2,777922E+21	1,377080E+21	1,377029E+21	2,777777E+21	5,608014E+21
644	9,338919E+21	1,297073E+22	1,530084E+22	1,530109E+22	1,297132E+22	9,339478E+21	5,608286E+21	2,777825E+21	1,376959E+21	1,376929E+21	2,777736E+21	5,608181E+21
645	9,339498E+21	1,297156E+22	1,530144E+22	1,530120E+22	1,297084E+22	9,338851E+21	5,607861E+21	2,777566E+21	1,376806E+21	1,376875E+21	2,777774E+21	5,608205E+21
646	9,339349E+21	1,297120E+22	1,530091E+22	1,530101E+22	1,297127E+22	9,339366E+21	5,608229E+21	2,777777E+21	1,376844E+21	1,376750E+21	2,777483E+21	5,607748E+21
647	9,338806E+21	1,297105E+22	1,530148E+22	1,530167E+22	1,297162E+22	9,339413E+21	5,608069E+21	2,777646E+21	1,376848E+21	1,376881E+21	2,777766E+21	5,608242E+21
648	9,339402E+21	1,297129E+22	1,530118E+22	1,530099E+22	1,297090E+22	9,339071E+21	5,608009E+21	2,777653E+21	1,376879E+21	1,376927E+21	2,777785E+21	5,608124E+21
649	9,339058E+21	1,297064E+22	1,530044E+22	1,530081E+22	1,297126E+22	9,339529E+21	5,608448E+21	2,777991E+21	1,377064E+21	1,376981E+21	2,777704E+21	5,607953E+21
650	9,339039E+21	1,297106E+22	1,530091E+22	1,530083E+22	1,297089E+22	9,339001E+21	5,608034E+21	2,777836E+21	1,377133E+21	1,377225E+21	2,778134E+21	5,608500E+21
651	9,339420E+21	1,297094E+22	1,530027E+22	1,529988E+22	1,297023E+22	9,338886E+21	5,608224E+21	2,778094E+21	1,377328E+21	1,377317E+21	2,778047E+21	5,608116E+21
652	9,338727E+21	1,297018E+22	1,530001E+22	1,530024E+22	1,297069E+22	9,339258E+21	5,608532E+21	2,778359E+21	1,377553E+21	1,377511E+21	2,778208E+21	5,608276E+21
653	9,339024E+21	1,297057E+22	1,530020E+22	1,530010E+22	1,297014E+22	9,338593E+21	5,608117E+21	2,778242E+21	1,377641E+21	1,377749E+21	2,778590E+21	5,608650E+21
654	9,339075E+21	1,297008E+22	1,529914E+22	1,529915E+22	1,297003E+22	9,338986E+21	5,608578E+21	2,778607E+21	1,377849E+21	1,377798E+21	2,778447E+21	5,608261E+21
655	9,338464E+21	1,296960E+22	1,529926E+22	1,529954E+22	1,297032E+22	9,339147E+21	5,608628E+21	2,778657E+21	1,377959E+21	1,377967E+21	2,778685E+21	5,608668E+21
656	9,339119E+21	1,297014E+22	1,529925E+22	1,529897E+22	1,296954E+22	9,338622E+21	5,608415E+21	2,778600E+21	1,377974E+21	1,378032E+21	2,778756E+21	5,608598E+21
657	9,338796E+21	1,296958E+22	1,529859E+22	1,529875E+22	1,296986E+22	9,339091E+21	5,608849E+21	2,778887E+21	1,378067E+21	1,377953E+21	2,778501E+21	5,608214E+21
658	9,338495E+21	1,296980E+22	1,529937E+22	1,529939E+22	1,296997E+22	9,338761E+21	5,608414E+21	2,778597E+21	1,377967E+21	1,378017E+21	2,778778E+21	5,608744E+21
659	9,339076E+21	1,297001E+22	1,529913E+22	1,529890E+22	1,296956E+22	9,338616E+21	5,608375E+21	2,778537E+21	1,377865E+21	1,377872E+21	2,778561E+21	5,608402E+21
660	9,338591E+21	1,296948E+22	1,529896E+22	1,529942E+22	1,297033E+22	9,339206E+21	5,608682E+21	2,778598E+21	1,377785E+21	1,377710E+21	2,778366E+21	5,608344E+21
661	9,338951E+21	1,297038E+22	1,529992E+22	1,529989E+22	1,297019E+22	9,338688E+21	5,608132E+21	2,778183E+21	1,377544E+21	1,377631E+21	2,778489E+21	5,608678E+21
662	9,339313E+21	1,297053E+22	1,529968E+22	1,529941E+22	1,297010E+22	9,338951E+21	5,608370E+21	2,778246E+21	1,377439E+21	1,377384E+21	2,778071E+21	5,608091E+21
663	9,338659E+21	1,297018E+22	1,530015E+22	1,530037E+22	1,297079E+22	9,339273E+21	5,608442E+21	2,778204E+21	1,377381E+21	1,377333E+21	2,778052E+21	5,608251E+21
664	9,339219E+21	1,297094E+22	1,530063E+22	1,530046E+22	1,297047E+22	9,338769E+21	5,608029E+21	2,777942E+21	1,377253E+21	1,377321E+21	2,778140E+21	5,608294E+21
665	9,339014E+21	1,297046E+22	1,529995E+22	1,530009E+22	1,297077E+22	9,339280E+21	5,608452E+21	2,778191E+21	1,377315E+21	1,377221E+21	2,777888E+21	5,607937E+21
666	9,338627E+21	1,297036E+22	1,530042E+22	1,530061E+22	1,297093E+22	9,339188E+21	5,608232E+21	2,778037E+21	1,377307E+21	1,377350E+21	2,778191E+21	5,608490E+21
667	9,339325E+21	1,297073E+22	1,530019E+22	1,529994E+22	1,297019E+22	9,338781E+21	5,608135E+21	2,778046E+21	1,377340E+21	1,377392E+21	2,778188E+21	5,608310E+21
668	9,338905E+21	1,297008E+22	1,529952E+22	1,529976E+22	1,297051E+22	9,339254E+21	5,608608E+21	2,778408E+21	1,377547E+21	1,377466E+21	2,778126E+21	5,608141E+21
669	9,338854E+21	1,297048E+22	1,530014E+22	1,530002E+22	1,297023E+22	9,338711E+21	5,608174E+21	2,778250E+21	1,377619E+21	1,377706E+21	2,778533E+21	5,608636E+21
670	9,339184E+21	1,297037E+22	1,529949E+22	1,529909E+22	1,296968E+22	9,338669E+21	5,608379E+21	2,778510E+21	1,377821E+21	1,377822E+21	2,778502E+21	5,608301E+21
671	9,338411E+21	1,296935E+22	1,529895E+22	1,529930E+22	1,297014E+22	9,339094E+21	5,608723E+21	2,778807E+21	1,378080E+21	1,378038E+21	2,778670E+21	5,608507E+21
672	9,338842E+21	1,296985E+22	1,529906E+22	1,529901E+22	1,296961E+22	9,338544E+21	5,608367E+21	2,778694E+21	1,378160E+21	1,378267E+21	2,779028E+21	5,608833E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,338874E+21	1,296943E+22	1,529811E+22	1,529804E+22	1,296935E+22	9,338855E+21	5,608851E+21	2,779087E+21	1,378365E+21	1,378295E+21	2,778848E+21	5,608427E+21
674	9,338319E+21	1,296904E+22	1,529831E+22	1,529848E+22	1,296954E+22	9,338840E+21	5,608784E+21	2,779080E+21	1,378444E+21	1,378443E+21	2,779077E+21	5,608813E+21
675	9,338916E+21	1,296957E+22	1,529841E+22	1,529809E+22	1,296888E+22	9,338303E+21	5,608517E+21	2,778984E+21	1,378431E+21	1,378489E+21	2,779141E+21	5,608715E+21
676	9,338500E+21	1,296890E+22	1,529772E+22	1,529792E+22	1,296931E+22	9,338868E+21	5,608962E+21	2,779241E+21	1,378499E+21	1,378400E+21	2,778916E+21	5,608421E+21
677	9,338292E+21	1,296914E+22	1,529851E+22	1,529862E+22	1,296948E+22	9,338598E+21	5,608529E+21	2,778909E+21	1,378350E+21	1,378409E+21	2,779131E+21	5,608935E+21
678	9,338984E+21	1,296955E+22	1,529836E+22	1,529811E+22	1,296907E+22	9,338492E+21	5,608527E+21	2,778842E+21	1,378217E+21	1,378237E+21	2,778901E+21	5,608585E+21
679	9,338477E+21	1,296897E+22	1,529815E+22	1,529859E+22	1,296978E+22	9,339021E+21	5,608825E+21	2,778941E+21	1,378168E+21	1,378078E+21	2,778666E+21	5,608474E+21
680	9,338859E+21	1,296998E+22	1,529917E+22	1,529905E+22	1,296971E+22	9,338599E+21	5,608309E+21	2,778539E+21	1,377945E+21	1,378016E+21	2,778780E+21	5,608719E+21
681	9,339055E+21	1,297004E+22	1,529905E+22	1,529870E+22	1,296958E+22	9,338803E+21	5,608564E+21	2,778635E+21	1,377867E+21	1,377795E+21	2,778395E+21	5,608180E+21
682	9,338423E+21	1,296956E+22	1,529934E+22	1,529961E+22	1,297023E+22	9,339022E+21	5,608541E+21	2,778559E+21	1,377814E+21	1,377773E+21	2,778439E+21	5,608416E+21
683	9,339001E+21	1,297027E+22	1,529970E+22	1,529961E+22	1,296994E+22	9,338572E+21	5,608142E+21	2,778290E+21	1,377683E+21	1,377768E+21	2,778545E+21	5,608490E+21
684	9,338826E+21	1,296979E+22	1,529894E+22	1,529908E+22	1,297012E+22	9,339104E+21	5,608625E+21	2,778568E+21	1,377757E+21	1,377679E+21	2,778313E+21	5,608180E+21
685	9,338525E+21	1,296979E+22	1,529951E+22	1,529965E+22	1,297025E+22	9,338955E+21	5,608390E+21	2,778422E+21	1,377750E+21	1,377786E+21	2,778554E+21	5,608644E+21
686	9,339211E+21	1,297030E+22	1,529944E+22	1,529903E+22	1,296951E+22	9,338534E+21	5,608293E+21	2,778445E+21	1,377801E+21	1,377855E+21	2,778584E+21	5,608437E+21
687	9,338624E+21	1,296940E+22	1,529863E+22	1,529889E+22	1,296985E+22	9,338971E+21	5,608757E+21	2,778853E+21	1,378067E+21	1,377975E+21	2,778549E+21	5,608289E+21
688	9,338587E+21	1,296977E+22	1,529913E+22	1,529910E+22	1,296975E+22	9,338605E+21	5,608370E+21	2,778700E+21	1,378154E+21	1,378242E+21	2,778987E+21	5,608794E+21
689	9,338874E+21	1,296959E+22	1,529846E+22	1,529810E+22	1,296910E+22	9,338573E+21	5,608636E+21	2,778983E+21	1,378358E+21	1,378357E+21	2,778965E+21	5,608532E+21
690	9,338255E+21	1,296863E+22	1,529782E+22	1,529820E+22	1,296943E+22	9,338879E+21	5,608919E+21	2,779248E+21	1,378592E+21	1,378555E+21	2,779124E+21	5,608740E+21
691	9,338727E+21	1,296927E+22	1,529804E+22	1,529794E+22	1,296891E+22	9,338306E+21	5,608543E+21	2,779123E+21	1,378651E+21	1,378757E+21	2,779441E+21	5,608995E+21
692	9,338674E+21	1,296883E+22	1,529717E+22	1,529699E+22	1,296861E+22	9,338626E+21	5,609041E+21	2,779513E+21	1,378849E+21	1,378779E+21	2,779268E+21	5,608599E+21
693	9,338095E+21	1,296841E+22	1,529750E+22	1,529768E+22	1,296890E+22	9,338578E+21	5,608921E+21	2,779469E+21	1,378897E+21	1,378891E+21	2,779457E+21	5,608950E+21
694	9,338693E+21	1,296899E+22	1,529762E+22	1,529733E+22	1,296834E+22	9,338085E+21	5,608629E+21	2,779331E+21	1,378855E+21	1,378931E+21	2,779552E+21	5,608902E+21
695	9,338254E+21	1,296816E+22	1,529672E+22	1,529703E+22	1,296875E+22	9,338683E+21	5,609095E+21	2,779597E+21	1,378925E+21	1,378829E+21	2,779303E+21	5,608646E+21
696	9,338220E+21	1,296861E+22	1,529756E+22	1,529767E+22	1,296897E+22	9,338528E+21	5,608714E+21	2,779262E+21	1,378756E+21	1,378811E+21	2,779466E+21	5,609076E+21
697	9,338862E+21	1,296912E+22	1,529763E+22	1,529725E+22	1,296847E+22	9,338342E+21	5,608726E+21	2,779216E+21	1,378623E+21	1,378620E+21	2,779194E+21	5,608691E+21
698	9,338373E+21	1,296857E+22	1,529747E+22	1,529780E+22	1,296914E+22	9,338753E+21	5,608932E+21	2,779278E+21	1,378565E+21	1,378466E+21	2,778971E+21	5,608546E+21
699	9,338646E+21	1,296951E+22	1,529852E+22	1,529841E+22	1,296921E+22	9,338364E+21	5,608404E+21	2,778871E+21	1,378342E+21	1,378413E+21	2,779103E+21	5,608778E+21
700	9,338727E+21	1,296937E+22	1,529823E+22	1,529800E+22	1,296913E+22	9,338664E+21	5,608699E+21	2,778973E+21	1,378276E+21	1,378219E+21	2,778784E+21	5,608358E+21
701	9,338182E+21	1,296886E+22	1,529845E+22	1,529885E+22	1,296976E+22	9,338898E+21	5,608695E+21	2,778891E+21	1,378208E+21	1,378176E+21	2,778801E+21	5,608594E+21
702	9,338856E+21	1,296971E+22	1,529883E+22	1,529874E+22	1,296938E+22	9,338427E+21	5,608318E+21	2,778638E+21	1,378083E+21	1,378183E+21	2,778929E+21	5,608675E+21
703	9,338663E+21	1,296918E+22	1,529797E+22	1,529809E+22	1,296944E+22	9,338883E+21	5,608796E+21	2,778971E+21	1,378213E+21	1,378126E+21	2,778693E+21	5,608355E+21
704	9,338412E+21	1,296931E+22	1,529860E+22	1,529863E+22	1,296961E+22	9,338800E+21	5,608590E+21	2,778852E+21	1,378242E+21	1,378268E+21	2,778943E+21	5,608748E+21
705	9,338944E+21	1,296972E+22	1,529863E+22	1,529817E+22	1,296886E+22	9,338314E+21	5,608493E+21	2,778906E+21	1,378326E+21	1,378369E+21	2,779015E+21	5,608617E+21
706	9,338420E+21	1,296871E+22	1,529764E+22	1,529797E+22	1,296920E+22	9,338692E+21	5,608868E+21	2,779269E+21	1,378589E+21	1,378514E+21	2,779032E+21	5,608532E+21
707	9,338409E+21	1,296907E+22	1,529806E+22	1,529810E+22	1,296913E+22	9,338407E+21	5,608537E+21	2,779120E+21	1,378662E+21	1,378767E+21	2,779460E+21	5,609032E+21
708	9,338701E+21	1,296890E+22	1,529738E+22	1,529703E+22	1,296841E+22	9,338399E+21	5,608857E+21	2,779423E+21	1,378863E+21	1,378873E+21	2,779431E+21	5,608779E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,338126E+21	1,296805E+22	1,529688E+22	1,529718E+22	1,296870E+22	9,338643E+21	5,609111E+21	2,779677E+21	1,379074E+21	1,379026E+21	2,779509E+21	5,608865E+21
710	9,338519E+21	1,296875E+22	1,529724E+22	1,529704E+22	1,296822E+22	9,338073E+21	5,608723E+21	2,779537E+21	1,379125E+21	1,379229E+21	2,779835E+21	5,609090E+21
711	9,338332E+21	1,296808E+22	1,529623E+22	1,529613E+22	1,296797E+22	9,338366E+21	5,609191E+21	2,779936E+21	1,379340E+21	1,379261E+21	2,779673E+21	5,608743E+21
712	9,337832E+21	1,296770E+22	1,529643E+22	1,529672E+22	1,296840E+22	9,338476E+21	5,609101E+21	2,779873E+21	1,379372E+21	1,379363E+21	2,779858E+21	5,609096E+21
713	9,338430E+21	1,296831E+22	1,529665E+22	1,529642E+22	1,296779E+22	9,337977E+21	5,608846E+21	2,779732E+21	1,379303E+21	1,379369E+21	2,779933E+21	5,609123E+21
714	9,338188E+21	1,296761E+22	1,529577E+22	1,529609E+22	1,296810E+22	9,338432E+21	5,609212E+21	2,779941E+21	1,379335E+21	1,379242E+21	2,779663E+21	5,608837E+21
715	9,338163E+21	1,296822E+22	1,529681E+22	1,529683E+22	1,296836E+22	9,338298E+21	5,608843E+21	2,779602E+21	1,379146E+21	1,379197E+21	2,779784E+21	5,609179E+21
716	9,338677E+21	1,296868E+22	1,529698E+22	1,529653E+22	1,296789E+22	9,338143E+21	5,608868E+21	2,779555E+21	1,379015E+21	1,379015E+21	2,779530E+21	5,608797E+21
717	9,338126E+21	1,296806E+22	1,529686E+22	1,529722E+22	1,296866E+22	9,338544E+21	5,609040E+21	2,779597E+21	1,378946E+21	1,378849E+21	2,779292E+21	5,608631E+21
718	9,338372E+21	1,296893E+22	1,529779E+22	1,529778E+22	1,296883E+22	9,338242E+21	5,608524E+21	2,779178E+21	1,378725E+21	1,378817E+21	2,779474E+21	5,608926E+21
719	9,338459E+21	1,296862E+22	1,529720E+22	1,529712E+22	1,296862E+22	9,338536E+21	5,608865E+21	2,779327E+21	1,378692E+21	1,378642E+21	2,779172E+21	5,608584E+21
720	9,338103E+21	1,296830E+22	1,529736E+22	1,529779E+22	1,296920E+22	9,338818E+21	5,608914E+21	2,779283E+21	1,378646E+21	1,378608E+21	2,779168E+21	5,608755E+21
721	9,338711E+21	1,296922E+22	1,529797E+22	1,529777E+22	1,296869E+22	9,338231E+21	5,608536E+21	2,779066E+21	1,378548E+21	1,378627E+21	2,779293E+21	5,608846E+21
722	9,338554E+21	1,296868E+22	1,529713E+22	1,529716E+22	1,296868E+22	9,338532E+21	5,608896E+21	2,779362E+21	1,378691E+21	1,378605E+21	2,779098E+21	5,608507E+21
723	9,338214E+21	1,296878E+22	1,529780E+22	1,529781E+22	1,296896E+22	9,338498E+21	5,608705E+21	2,779251E+21	1,378726E+21	1,378763E+21	2,779373E+21	5,608901E+21
724	9,338655E+21	1,296901E+22	1,529768E+22	1,529729E+22	1,296829E+22	9,338132E+21	5,608654E+21	2,779311E+21	1,378822E+21	1,378885E+21	2,779487E+21	5,608848E+21
725	9,338197E+21	1,296802E+22	1,529667E+22	1,529706E+22	1,296862E+22	9,338539E+21	5,609061E+21	2,779673E+21	1,379064E+21	1,378997E+21	2,779458E+21	5,608732E+21
726	9,338246E+21	1,296848E+22	1,529711E+22	1,529716E+22	1,296852E+22	9,338252E+21	5,608749E+21	2,779536E+21	1,379139E+21	1,379248E+21	2,779874E+21	5,609188E+21
727	9,338458E+21	1,296820E+22	1,529630E+22	1,529598E+22	1,296771E+22	9,338198E+21	5,609087E+21	2,779890E+21	1,379377E+21	1,379368E+21	2,779839E+21	5,608932E+21
728	9,337923E+21	1,296745E+22	1,529583E+22	1,529613E+22	1,296806E+22	9,338496E+21	5,609352E+21	2,780150E+21	1,379598E+21	1,379531E+21	2,779915E+21	5,608958E+21
729	9,338164E+21	1,296803E+22	1,529632E+22	1,529614E+22	1,296758E+22	9,337851E+21	5,608935E+21	2,780008E+21	1,379649E+21	1,379735E+21	2,780264E+21	5,609280E+21
730	9,338104E+21	1,296733E+22	1,529516E+22	1,529515E+22	1,296731E+22	9,338078E+21	5,609289E+21	2,780322E+21	1,379828E+21	1,379765E+21	2,780132E+21	5,608994E+21
731	9,337702E+21	1,296710E+22	1,529543E+22	1,529572E+22	1,296774E+22	9,338241E+21	5,609241E+21	2,780239E+21	1,379814E+21	1,379821E+21	2,780275E+21	5,609322E+21
732	9,338321E+21	1,296778E+22	1,529574E+22	1,529547E+22	1,296715E+22	9,337776E+21	5,609003E+21	2,780090E+21	1,379721E+21	1,379795E+21	2,780313E+21	5,609324E+21
733	9,338098E+21	1,296724E+22	1,529512E+22	1,529532E+22	1,296750E+22	9,338198E+21	5,609330E+21	2,780265E+21	1,379715E+21	1,379615E+21	2,779961E+21	5,608925E+21
734	9,337986E+21	1,296784E+22	1,529625E+22	1,529622E+22	1,296788E+22	9,338106E+21	5,608966E+21	2,779916E+21	1,379519E+21	1,379571E+21	2,780087E+21	5,609219E+21
735	9,338334E+21	1,296802E+22	1,529620E+22	1,529591E+22	1,296748E+22	9,337987E+21	5,609009E+21	2,779899E+21	1,379413E+21	1,379409E+21	2,779866E+21	5,608912E+21
736	9,337878E+21	1,296742E+22	1,529588E+22	1,529640E+22	1,296831E+22	9,338526E+21	5,609235E+21	2,779950E+21	1,379353E+21	1,379255E+21	2,779643E+21	5,608758E+21
737	9,338093E+21	1,296825E+22	1,529686E+22	1,529692E+22	1,296833E+22	9,338167E+21	5,608759E+21	2,779562E+21	1,379139E+21	1,379220E+21	2,779828E+21	5,609141E+21
738	9,338388E+21	1,296806E+22	1,529622E+22	1,529613E+22	1,296794E+22	9,338276E+21	5,608990E+21	2,779680E+21	1,379110E+21	1,379065E+21	2,779548E+21	5,608795E+21
739	9,338058E+21	1,296792E+22	1,529654E+22	1,529681E+22	1,296846E+22	9,338532E+21	5,609058E+21	2,779658E+21	1,379075E+21	1,379039E+21	2,779537E+21	5,608903E+21
740	9,338540E+21	1,296876E+22	1,529723E+22	1,529693E+22	1,296801E+22	9,337959E+21	5,608679E+21	2,779454E+21	1,379004E+21	1,379091E+21	2,779702E+21	5,609018E+21
741	9,338336E+21	1,296817E+22	1,529644E+22	1,529644E+22	1,296809E+22	9,338234E+21	5,608985E+21	2,779727E+21	1,379144E+21	1,379070E+21	2,779503E+21	5,608666E+21
742	9,337969E+21	1,296815E+22	1,529695E+22	1,529705E+22	1,296848E+22	9,338332E+21	5,608844E+21	2,779619E+21	1,379190E+21	1,379248E+21	2,779806E+21	5,609082E+21
743	9,338382E+21	1,296822E+22	1,529657E+22	1,529634E+22	1,296773E+22	9,337997E+21	5,608870E+21	2,779741E+21	1,379318E+21	1,379383E+21	2,779924E+21	5,609068E+21
744	9,338054E+21	1,296740E+22	1,529550E+22	1,529592E+22	1,296801E+22	9,338448E+21	5,609339E+21	2,780153E+21	1,379587E+21	1,379502E+21	2,779865E+21	5,608858E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,337965E+21	1,296782E+22	1,529613E+22	1,529612E+22	1,296781E+22	9,338079E+21	5,609031E+21	2,780049E+21	1,379682E+21	1,379757E+21	2,780275E+21	5,609332E+21
746	9,338224E+21	1,296751E+22	1,529527E+22	1,529494E+22	1,296693E+22	9,337859E+21	5,609236E+21	2,780350E+21	1,379919E+21	1,379906E+21	2,780293E+21	5,609097E+21
747	9,337654E+21	1,296675E+22	1,529482E+22	1,529513E+22	1,296734E+22	9,338194E+21	5,609501E+21	2,780586E+21	1,380114E+21	1,380058E+21	2,780384E+21	5,609156E+21
748	9,337876E+21	1,296726E+22	1,529526E+22	1,529515E+22	1,296694E+22	9,337644E+21	5,609092E+21	2,780407E+21	1,380136E+21	1,380243E+21	2,780741E+21	5,609548E+21
749	9,337943E+21	1,296673E+22	1,529424E+22	1,529421E+22	1,296667E+22	9,337847E+21	5,609415E+21	2,780667E+21	1,380251E+21	1,380202E+21	2,780529E+21	5,609217E+21
750	9,337630E+21	1,296666E+22	1,529465E+22	1,529488E+22	1,296717E+22	9,338046E+21	5,609377E+21	2,780570E+21	1,380211E+21	1,380226E+21	2,780619E+21	5,609460E+21
751	9,338155E+21	1,296727E+22	1,529494E+22	1,529466E+22	1,296661E+22	9,337606E+21	5,609174E+21	2,780456E+21	1,380130E+21	1,380189E+21	2,780631E+21	5,609432E+21
752	9,337932E+21	1,296679E+22	1,529436E+22	1,529457E+22	1,296706E+22	9,338095E+21	5,609527E+21	2,780646E+21	1,380132E+21	1,380014E+21	2,780272E+21	5,608971E+21
753	9,337642E+21	1,296722E+22	1,529553E+22	1,529559E+22	1,296747E+22	9,337985E+21	5,609161E+21	2,780304E+21	1,379942E+21	1,379974E+21	2,780423E+21	5,609365E+21
754	9,338106E+21	1,296731E+22	1,529522E+22	1,529507E+22	1,296698E+22	9,337792E+21	5,609121E+21	2,780232E+21	1,379824E+21	1,379835E+21	2,780257E+21	5,609132E+21
755	9,337767E+21	1,296688E+22	1,529494E+22	1,529542E+22	1,296767E+22	9,338332E+21	5,609398E+21	2,780293E+21	1,379748E+21	1,379666E+21	2,780023E+21	5,608973E+21
756	9,337993E+21	1,296775E+22	1,529596E+22	1,529594E+22	1,296764E+22	9,337940E+21	5,608917E+21	2,779919E+21	1,379548E+21	1,379633E+21	2,780194E+21	5,609328E+21
757	9,338284E+21	1,296771E+22	1,529558E+22	1,529530E+22	1,296727E+22	9,337970E+21	5,609079E+21	2,780010E+21	1,379508E+21	1,379463E+21	2,779877E+21	5,608911E+21
758	9,337891E+21	1,296752E+22	1,529598E+22	1,529615E+22	1,296789E+22	9,338247E+21	5,609137E+21	2,779991E+21	1,379492E+21	1,379464E+21	2,779887E+21	5,608982E+21
759	9,338207E+21	1,296806E+22	1,529636E+22	1,529620E+22	1,296754E+22	9,337775E+21	5,608822E+21	2,779839E+21	1,379463E+21	1,379548E+21	2,780096E+21	5,609177E+21
760	9,338092E+21	1,296748E+22	1,529540E+22	1,529556E+22	1,296769E+22	9,338197E+21	5,609214E+21	2,780145E+21	1,379624E+21	1,379547E+21	2,779909E+21	5,608821E+21
761	9,337677E+21	1,296740E+22	1,529594E+22	1,529611E+22	1,296794E+22	9,338250E+21	5,609131E+21	2,780091E+21	1,379692E+21	1,379727E+21	2,780210E+21	5,609291E+21
762	9,338224E+21	1,296752E+22	1,529543E+22	1,529522E+22	1,296702E+22	9,337762E+21	5,609071E+21	2,780199E+21	1,379840E+21	1,379901E+21	2,780366E+21	5,609267E+21
763	9,337898E+21	1,296684E+22	1,529451E+22	1,529475E+22	1,296718E+22	9,338184E+21	5,609559E+21	2,780622E+21	1,380114E+21	1,380028E+21	2,780313E+21	5,609023E+21
764	9,337686E+21	1,296712E+22	1,529515E+22	1,529509E+22	1,296705E+22	9,337787E+21	5,609213E+21	2,780513E+21	1,380221E+21	1,380300E+21	2,780753E+21	5,609530E+21
765	9,337953E+21	1,296684E+22	1,529436E+22	1,529402E+22	1,296625E+22	9,337534E+21	5,609326E+21	2,780746E+21	1,380417E+21	1,380422E+21	2,780760E+21	5,609333E+21
766	9,337467E+21	1,296610E+22	1,529386E+22	1,529420E+22	1,296674E+22	9,337952E+21	5,609604E+21	2,780945E+21	1,380579E+21	1,380548E+21	2,780832E+21	5,609391E+21
767	9,337704E+21	1,296657E+22	1,529419E+22	1,529413E+22	1,296633E+22	9,337472E+21	5,609279E+21	2,780802E+21	1,380591E+21	1,380699E+21	2,781147E+21	5,609785E+21
768	9,337899E+21	1,296627E+22	1,529331E+22	1,529323E+22	1,296611E+22	9,337722E+21	5,609631E+21	2,781072E+21	1,380695E+21	1,380628E+21	2,780864E+21	5,609318E+21
769	9,337417E+21	1,296618E+22	1,529397E+22	1,529412E+22	1,296662E+22	9,337894E+21	5,609604E+21	2,780992E+21	1,380654E+21	1,380632E+21	2,780925E+21	5,609549E+21
770	9,337930E+21	1,296670E+22	1,529415E+22	1,529390E+22	1,296608E+22	9,337365E+21	5,609297E+21	2,780828E+21	1,380567E+21	1,380621E+21	2,780982E+21	5,609527E+21
771	9,337663E+21	1,296620E+22	1,529354E+22	1,529375E+22	1,296654E+22	9,337919E+21	5,609681E+21	2,781004E+21	1,380549E+21	1,380439E+21	2,780646E+21	5,609111E+21
772	9,337349E+21	1,296648E+22	1,529458E+22	1,529474E+22	1,296698E+22	9,337866E+21	5,609329E+21	2,780652E+21	1,380348E+21	1,380391E+21	2,780806E+21	5,609563E+21
773	9,337943E+21	1,296676E+22	1,529441E+22	1,529420E+22	1,296639E+22	9,337567E+21	5,609226E+21	2,780538E+21	1,380192E+21	1,380213E+21	2,780599E+21	5,609327E+21
774	9,337701E+21	1,296646E+22	1,529420E+22	1,529457E+22	1,296707E+22	9,338091E+21	5,609493E+21	2,780598E+21	1,380118E+21	1,380042E+21	2,780342E+21	5,609102E+21
775	9,337836E+21	1,296725E+22	1,529520E+22	1,529511E+22	1,296706E+22	9,337732E+21	5,609064E+21	2,780275E+21	1,379951E+21	1,380029E+21	2,780525E+21	5,609459E+21
776	9,338130E+21	1,296725E+22	1,529485E+22	1,529455E+22	1,296678E+22	9,337794E+21	5,609236E+21	2,780390E+21	1,379946E+21	1,379892E+21	2,780223E+21	5,608994E+21
777	9,337569E+21	1,296687E+22	1,529521E+22	1,529548E+22	1,296748E+22	9,338110E+21	5,609319E+21	2,780401E+21	1,379959E+21	1,379916E+21	2,780272E+21	5,609169E+21
778	9,337992E+21	1,296730E+22	1,529529E+22	1,529526E+22	1,296703E+22	9,337602E+21	5,608971E+21	2,780233E+21	1,379946E+21	1,380045E+21	2,780539E+21	5,609411E+21
779	9,337958E+21	1,296686E+22	1,529435E+22	1,529443E+22	1,296698E+22	9,338020E+21	5,609447E+21	2,780581E+21	1,380116E+21	1,380049E+21	2,780356E+21	5,609044E+21
780	9,337502E+21	1,296674E+22	1,529488E+22	1,529500E+22	1,296720E+22	9,338033E+21	5,609359E+21	2,780556E+21	1,380210E+21	1,380242E+21	2,780648E+21	5,609468E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,338019E+21	1,296698E+22	1,529459E+22	1,529419E+22	1,296624E+22	9,337439E+21	5,609212E+21	2,780626E+21	1,380343E+21	1,380406E+21	2,780792E+21	5,609424E+21
782	9,337663E+21	1,296625E+22	1,529368E+22	1,529385E+22	1,296649E+22	9,337871E+21	5,609669E+21	2,781028E+21	1,380615E+21	1,380542E+21	2,780752E+21	5,609172E+21
783	9,337365E+21	1,296631E+22	1,529408E+22	1,529412E+22	1,296646E+22	9,337580E+21	5,609377E+21	2,780939E+21	1,380727E+21	1,380812E+21	2,781210E+21	5,609758E+21
784	9,337764E+21	1,296613E+22	1,529326E+22	1,529301E+22	1,296573E+22	9,337418E+21	5,609536E+21	2,781171E+21	1,380909E+21	1,380912E+21	2,781183E+21	5,609528E+21
785	9,337272E+21	1,296546E+22	1,529292E+22	1,529329E+22	1,296617E+22	9,337810E+21	5,609837E+21	2,781387E+21	1,381057E+21	1,381001E+21	2,781215E+21	5,609607E+21
786	9,337609E+21	1,296599E+22	1,529319E+22	1,529312E+22	1,296569E+22	9,337256E+21	5,609453E+21	2,781218E+21	1,381064E+21	1,381162E+21	2,781528E+21	5,609942E+21
787	9,337765E+21	1,296584E+22	1,529258E+22	1,529231E+22	1,296543E+22	9,337518E+21	5,609837E+21	2,781484E+21	1,381151E+21	1,381079E+21	2,781237E+21	5,609428E+21
788	9,337136E+21	1,296556E+22	1,529320E+22	1,529335E+22	1,296604E+22	9,337679E+21	5,609770E+21	2,781392E+21	1,381109E+21	1,381083E+21	2,781304E+21	5,609654E+21
789	9,337624E+21	1,296607E+22	1,529337E+22	1,529316E+22	1,296558E+22	9,337148E+21	5,609379E+21	2,781149E+21	1,380973E+21	1,381041E+21	2,781359E+21	5,609700E+21
790	9,337467E+21	1,296560E+22	1,529270E+22	1,529294E+22	1,296603E+22	9,337742E+21	5,609764E+21	2,781289E+21	1,380922E+21	1,380836E+21	2,781006E+21	5,609294E+21
791	9,337193E+21	1,296583E+22	1,529358E+22	1,529377E+22	1,296641E+22	9,337718E+21	5,609491E+21	2,780985E+21	1,380727E+21	1,380769E+21	2,781141E+21	5,609756E+21
792	9,337901E+21	1,296633E+22	1,529357E+22	1,529331E+22	1,296585E+22	9,337415E+21	5,609395E+21	2,780891E+21	1,380583E+21	1,380587E+21	2,780895E+21	5,609421E+21
793	9,337526E+21	1,296604E+22	1,529360E+22	1,529389E+22	1,296653E+22	9,337882E+21	5,609651E+21	2,780975E+21	1,380530E+21	1,380427E+21	2,780648E+21	5,609217E+21
794	9,337638E+21	1,296668E+22	1,529442E+22	1,529435E+22	1,296653E+22	9,337482E+21	5,609167E+21	2,780638E+21	1,380391E+21	1,380470E+21	2,780898E+21	5,609591E+21
795	9,337905E+21	1,296667E+22	1,529405E+22	1,529372E+22	1,296624E+22	9,337635E+21	5,609398E+21	2,780759E+21	1,380389E+21	1,380353E+21	2,780637E+21	5,609172E+21
796	9,337313E+21	1,296613E+22	1,529423E+22	1,529456E+22	1,296694E+22	9,337992E+21	5,609518E+21	2,780796E+21	1,380420E+21	1,380388E+21	2,780690E+21	5,609358E+21
797	9,337816E+21	1,296672E+22	1,529437E+22	1,529428E+22	1,296639E+22	9,337398E+21	5,609124E+21	2,780614E+21	1,380397E+21	1,380503E+21	2,780939E+21	5,609608E+21
798	9,337843E+21	1,296635E+22	1,529348E+22	1,529344E+22	1,296629E+22	9,337781E+21	5,609594E+21	2,780978E+21	1,380586E+21	1,380522E+21	2,780752E+21	5,609189E+21
799	9,337277E+21	1,296607E+22	1,529390E+22	1,529398E+22	1,296651E+22	9,337817E+21	5,609568E+21	2,781010E+21	1,380716E+21	1,380739E+21	2,781068E+21	5,609628E+21
800	9,337790E+21	1,296632E+22	1,529363E+22	1,529329E+22	1,296564E+22	9,337218E+21	5,609404E+21	2,781090E+21	1,380872E+21	1,380925E+21	2,781229E+21	5,609573E+21
801	9,337345E+21	1,296548E+22	1,529272E+22	1,529298E+22	1,296592E+22	9,337673E+21	5,609855E+21	2,781487E+21	1,381144E+21	1,381060E+21	2,781214E+21	5,609428E+21
802	9,337187E+21	1,296553E+22	1,529289E+22	1,529300E+22	1,296579E+22	9,337365E+21	5,609546E+21	2,781371E+21	1,381249E+21	1,381344E+21	2,781686E+21	5,610020E+21
803	9,337681E+21	1,296558E+22	1,529225E+22	1,529186E+22	1,296494E+22	9,337209E+21	5,609760E+21	2,781612E+21	1,381410E+21	1,381418E+21	2,781621E+21	5,609732E+21
804	9,337118E+21	1,296488E+22	1,529201E+22	1,529230E+22	1,296548E+22	9,337598E+21	5,610041E+21	2,781832E+21	1,381557E+21	1,381489E+21	2,781608E+21	5,609723E+21
805	9,337396E+21	1,296552E+22	1,529249E+22	1,529229E+22	1,296505E+22	9,336983E+21	5,609568E+21	2,781601E+21	1,381523E+21	1,381616E+21	2,781895E+21	5,610038E+21
806	9,337490E+21	1,296524E+22	1,529184E+22	1,529159E+22	1,296490E+22	9,337285E+21	5,609928E+21	2,781829E+21	1,381582E+21	1,381518E+21	2,781605E+21	5,609529E+21
807	9,336799E+21	1,296474E+22	1,529219E+22	1,529253E+22	1,296560E+22	9,337579E+21	5,609936E+21	2,781745E+21	1,381522E+21	1,381502E+21	2,781680E+21	5,609830E+21
808	9,337425E+21	1,296538E+22	1,529237E+22	1,529229E+22	1,296513E+22	9,337068E+21	5,609569E+21	2,781499E+21	1,381366E+21	1,381432E+21	2,781699E+21	5,609856E+21
809	9,337301E+21	1,296503E+22	1,529187E+22	1,529211E+22	1,296549E+22	9,337601E+21	5,609949E+21	2,781647E+21	1,381306E+21	1,381201E+21	2,781325E+21	5,609489E+21
810	9,337139E+21	1,296535E+22	1,529269E+22	1,529280E+22	1,296576E+22	9,337494E+21	5,609620E+21	2,781331E+21	1,381129E+21	1,381166E+21	2,781473E+21	5,609898E+21
811	9,337817E+21	1,296599E+22	1,529293E+22	1,529247E+22	1,296517E+22	9,337182E+21	5,609548E+21	2,781246E+21	1,380993E+21	1,381000E+21	2,781246E+21	5,609541E+21
812	9,337307E+21	1,296549E+22	1,529291E+22	1,529322E+22	1,296601E+22	9,337654E+21	5,609767E+21	2,781336E+21	1,380964E+21	1,380865E+21	2,781024E+21	5,609343E+21
813	9,337404E+21	1,296613E+22	1,529366E+22	1,529362E+22	1,296605E+22	9,337279E+21	5,609243E+21	2,780956E+21	1,380804E+21	1,380902E+21	2,781289E+21	5,609783E+21
814	9,337746E+21	1,296610E+22	1,529321E+22	1,529289E+22	1,296571E+22	9,337474E+21	5,609515E+21	2,781086E+21	1,380803E+21	1,380787E+21	2,781024E+21	5,609359E+21
815	9,337152E+21	1,296547E+22	1,529319E+22	1,529355E+22	1,296633E+22	9,337866E+21	5,609742E+21	2,781202E+21	1,380868E+21	1,380832E+21	2,781070E+21	5,609524E+21
816	9,337668E+21	1,296617E+22	1,529345E+22	1,529333E+22	1,296579E+22	9,337242E+21	5,609354E+21	2,781059E+21	1,380882E+21	1,380967E+21	2,781302E+21	5,609696E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,337568E+21	1,296574E+22	1,529269E+22	1,529261E+22	1,296565E+22	9,337560E+21	5,609802E+21	2,781445E+21	1,381100E+21	1,381011E+21	2,781157E+21	5,609342E+21
818	9,337006E+21	1,296530E+22	1,529280E+22	1,529296E+22	1,296584E+22	9,337560E+21	5,609728E+21	2,781468E+21	1,381259E+21	1,381282E+21	2,781537E+21	5,609819E+21
819	9,337547E+21	1,296561E+22	1,529258E+22	1,529222E+22	1,296494E+22	9,337028E+21	5,609611E+21	2,781538E+21	1,381405E+21	1,381474E+21	2,781728E+21	5,609821E+21
820	9,337128E+21	1,296471E+22	1,529161E+22	1,529193E+22	1,296524E+22	9,337463E+21	5,610047E+21	2,781932E+21	1,381668E+21	1,381591E+21	2,781682E+21	5,609653E+21
821	9,337051E+21	1,296497E+22	1,529192E+22	1,529195E+22	1,296507E+22	9,337111E+21	5,609692E+21	2,781776E+21	1,381733E+21	1,381834E+21	2,782111E+21	5,610225E+21
822	9,337570E+21	1,296511E+22	1,529145E+22	1,529095E+22	1,296427E+22	9,336965E+21	5,609887E+21	2,781994E+21	1,381875E+21	1,381885E+21	2,782005E+21	5,609854E+21
823	9,336879E+21	1,296426E+22	1,529112E+22	1,529140E+22	1,296487E+22	9,337414E+21	5,610235E+21	2,782246E+21	1,382023E+21	1,381949E+21	2,781988E+21	5,609832E+21
824	9,337116E+21	1,296485E+22	1,529162E+22	1,529155E+22	1,296460E+22	9,336844E+21	5,609751E+21	2,782005E+21	1,381981E+21	1,382063E+21	2,782264E+21	5,610144E+21
825	9,337172E+21	1,296451E+22	1,529094E+22	1,529086E+22	1,296446E+22	9,337169E+21	5,610101E+21	2,782206E+21	1,382013E+21	1,381942E+21	2,781992E+21	5,609753E+21
826	9,336640E+21	1,296401E+22	1,529103E+22	1,529147E+22	1,296499E+22	9,337415E+21	5,610100E+21	2,782104E+21	1,381942E+21	1,381929E+21	2,782067E+21	5,610051E+21
827	9,337370E+21	1,296492E+22	1,529147E+22	1,529125E+22	1,296439E+22	9,336871E+21	5,609760E+21	2,781859E+21	1,381771E+21	1,381840E+21	2,782058E+21	5,610031E+21
828	9,337195E+21	1,296460E+22	1,529113E+22	1,529126E+22	1,296482E+22	9,337343E+21	5,610077E+21	2,782001E+21	1,381717E+21	1,381605E+21	2,781651E+21	5,609583E+21
829	9,336991E+21	1,296504E+22	1,529213E+22	1,529210E+22	1,296515E+22	9,337198E+21	5,609679E+21	2,781641E+21	1,381517E+21	1,381560E+21	2,781802E+21	5,610001E+21
830	9,337611E+21	1,296554E+22	1,529234E+22	1,529189E+22	1,296471E+22	9,336954E+21	5,609592E+21	2,781535E+21	1,381376E+21	1,381397E+21	2,781585E+21	5,609647E+21
831	9,337033E+21	1,296481E+22	1,529202E+22	1,529248E+22	1,296561E+22	9,337580E+21	5,609932E+21	2,781671E+21	1,381361E+21	1,381270E+21	2,781384E+21	5,609503E+21
832	9,337206E+21	1,296548E+22	1,529274E+22	1,529286E+22	1,296563E+22	9,337227E+21	5,609464E+21	2,781333E+21	1,381220E+21	1,381308E+21	2,781626E+21	5,609910E+21
833	9,337537E+21	1,296549E+22	1,529233E+22	1,529208E+22	1,296518E+22	9,337362E+21	5,609749E+21	2,781505E+21	1,381248E+21	1,381211E+21	2,781390E+21	5,609542E+21
834	9,337001E+21	1,296486E+22	1,529212E+22	1,529248E+22	1,296563E+22	9,337669E+21	5,609953E+21	2,781646E+21	1,381365E+21	1,381320E+21	2,781481E+21	5,609675E+21
835	9,337464E+21	1,296561E+22	1,529256E+22	1,529230E+22	1,296498E+22	9,336995E+21	5,609577E+21	2,781523E+21	1,381409E+21	1,381496E+21	2,781760E+21	5,609862E+21
836	9,337268E+21	1,296500E+22	1,529170E+22	1,529169E+22	1,296498E+22	9,337280E+21	5,609952E+21	2,781900E+21	1,381648E+21	1,381567E+21	2,781644E+21	5,609542E+21
837	9,336783E+21	1,296465E+22	1,529177E+22	1,529193E+22	1,296514E+22	9,337276E+21	5,609821E+21	2,781859E+21	1,381769E+21	1,381818E+21	2,782032E+21	5,610094E+21
838	9,337423E+21	1,296498E+22	1,529154E+22	1,529117E+22	1,296423E+22	9,336770E+21	5,609724E+21	2,781921E+21	1,381891E+21	1,381978E+21	2,782178E+21	5,610058E+21
839	9,337003E+21	1,296409E+22	1,529054E+22	1,529085E+22	1,296455E+22	9,337280E+21	5,610257E+21	2,782358E+21	1,382153E+21	1,382074E+21	2,782094E+21	5,609838E+21
840	9,336903E+21	1,296443E+22	1,529106E+22	1,529107E+22	1,296445E+22	9,336934E+21	5,609914E+21	2,782224E+21	1,382225E+21	1,382302E+21	2,782471E+21	5,610297E+21
841	9,337266E+21	1,296449E+22	1,529070E+22	1,529024E+22	1,296373E+22	9,336790E+21	5,610098E+21	2,782436E+21	1,382359E+21	1,382350E+21	2,782391E+21	5,609980E+21
842	9,336569E+21	1,296349E+22	1,529004E+22	1,529048E+22	1,296432E+22	9,337244E+21	5,610414E+21	2,782664E+21	1,382510E+21	1,382434E+21	2,782407E+21	5,609984E+21
843	9,336835E+21	1,296414E+22	1,529060E+22	1,529054E+22	1,296398E+22	9,336727E+21	5,609971E+21	2,782401E+21	1,382438E+21	1,382529E+21	2,782682E+21	5,610340E+21
844	9,336956E+21	1,296380E+22	1,528991E+22	1,528990E+22	1,296384E+22	9,336983E+21	5,610277E+21	2,782586E+21	1,382447E+21	1,382378E+21	2,782372E+21	5,609938E+21
845	9,336562E+21	1,296360E+22	1,529017E+22	1,529050E+22	1,296429E+22	9,337143E+21	5,610199E+21	2,782428E+21	1,382332E+21	1,382323E+21	2,782414E+21	5,610230E+21
846	9,337306E+21	1,296460E+22	1,529084E+22	1,529047E+22	1,296376E+22	9,336598E+21	5,609830E+21	2,782162E+21	1,382144E+21	1,382214E+21	2,782372E+21	5,610144E+21
847	9,337021E+21	1,296415E+22	1,529047E+22	1,529059E+22	1,296430E+22	9,337136E+21	5,610199E+21	2,782326E+21	1,382098E+21	1,381987E+21	2,781979E+21	5,609695E+21
848	9,336762E+21	1,296449E+22	1,529146E+22	1,529158E+22	1,296480E+22	9,337065E+21	5,609815E+21	2,781977E+21	1,381912E+21	1,381948E+21	2,782125E+21	5,610100E+21
849	9,337337E+21	1,296491E+22	1,529158E+22	1,529131E+22	1,296438E+22	9,336887E+21	5,609762E+21	2,781874E+21	1,381769E+21	1,381791E+21	2,781945E+21	5,609847E+21
850	9,336873E+21	1,296414E+22	1,529091E+22	1,529147E+22	1,296505E+22	9,337475E+21	5,610141E+21	2,782053E+21	1,381793E+21	1,381703E+21	2,781763E+21	5,609682E+21
851	9,337069E+21	1,296496E+22	1,529181E+22	1,529181E+22	1,296493E+22	9,337086E+21	5,609717E+21	2,781756E+21	1,381683E+21	1,381763E+21	2,782006E+21	5,610053E+21
852	9,337330E+21	1,296491E+22	1,529144E+22	1,529115E+22	1,296448E+22	9,337097E+21	5,609930E+21	2,781944E+21	1,381747E+21	1,381701E+21	2,781787E+21	5,609657E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,336777E+21	1,296434E+22	1,529125E+22	1,529152E+22	1,296488E+22	9,337331E+21	5,610058E+21	2,782047E+21	1,381857E+21	1,381823E+21	2,781922E+21	5,609853E+21
854	9,337218E+21	1,296497E+22	1,529166E+22	1,529143E+22	1,296435E+22	9,336707E+21	5,609653E+21	2,781895E+21	1,381891E+21	1,381997E+21	2,782214E+21	5,610071E+21
855	9,337024E+21	1,296424E+22	1,529059E+22	1,529067E+22	1,296435E+22	9,337097E+21	5,610116E+21	2,782291E+21	1,382126E+21	1,382065E+21	2,782101E+21	5,609787E+21
856	9,336630E+21	1,296399E+22	1,529076E+22	1,529100E+22	1,296454E+22	9,337111E+21	5,610033E+21	2,782285E+21	1,382252E+21	1,382293E+21	2,782431E+21	5,610270E+21
857	9,337256E+21	1,296441E+22	1,529065E+22	1,529030E+22	1,296365E+22	9,336611E+21	5,609947E+21	2,782364E+21	1,382378E+21	1,382449E+21	2,782578E+21	5,610238E+21
858	9,336823E+21	1,296348E+22	1,528951E+22	1,528978E+22	1,296385E+22	9,337090E+21	5,610490E+21	2,782828E+21	1,382675E+21	1,382582E+21	2,782510E+21	5,609964E+21
859	9,336630E+21	1,296383E+22	1,529019E+22	1,529012E+22	1,296375E+22	9,336748E+21	5,610169E+21	2,782702E+21	1,382756E+21	1,382823E+21	2,782904E+21	5,610424E+21
860	9,336908E+21	1,296368E+22	1,528969E+22	1,528939E+22	1,296317E+22	9,336580E+21	5,610278E+21	2,782882E+21	1,382879E+21	1,382871E+21	2,782838E+21	5,610153E+21
861	9,336337E+21	1,296282E+22	1,528896E+22	1,528943E+22	1,296366E+22	9,337015E+21	5,610535E+21	2,783029E+21	1,382966E+21	1,382912E+21	2,782853E+21	5,610238E+21
862	9,336714E+21	1,296357E+22	1,528962E+22	1,528953E+22	1,296330E+22	9,336473E+21	5,610075E+21	2,782736E+21	1,382850E+21	1,382951E+21	2,783061E+21	5,610548E+21
863	9,336857E+21	1,296330E+22	1,528901E+22	1,528894E+22	1,296318E+22	9,336759E+21	5,610419E+21	2,782929E+21	1,382843E+21	1,382773E+21	2,782711E+21	5,610096E+21
864	9,336454E+21	1,296321E+22	1,528955E+22	1,528983E+22	1,296374E+22	9,336915E+21	5,610336E+21	2,782779E+21	1,382727E+21	1,382698E+21	2,782703E+21	5,610293E+21
865	9,337068E+21	1,296412E+22	1,529027E+22	1,528998E+22	1,296338E+22	9,336433E+21	5,609966E+21	2,782503E+21	1,382532E+21	1,382592E+21	2,782695E+21	5,610261E+21
866	9,336763E+21	1,296352E+22	1,528959E+22	1,528985E+22	1,296390E+22	9,337024E+21	5,610352E+21	2,782672E+21	1,382507E+21	1,382399E+21	2,782341E+21	5,609843E+21
867	9,336532E+21	1,296388E+22	1,529059E+22	1,529072E+22	1,296430E+22	9,337006E+21	5,610044E+21	2,782343E+21	1,382326E+21	1,382365E+21	2,782488E+21	5,610255E+21
868	9,337110E+21	1,296424E+22	1,529062E+22	1,529045E+22	1,296386E+22	9,336751E+21	5,609966E+21	2,782260E+21	1,382199E+21	1,382218E+21	2,782302E+21	5,609998E+21
869	9,336766E+21	1,296372E+22	1,529000E+22	1,529044E+22	1,296436E+22	9,337226E+21	5,610272E+21	2,782410E+21	1,382217E+21	1,382134E+21	2,782140E+21	5,609854E+21
870	9,336921E+21	1,296450E+22	1,529101E+22	1,529088E+22	1,296422E+22	9,336784E+21	5,609820E+21	2,782122E+21	1,382122E+21	1,382204E+21	2,782381E+21	5,610189E+21
871	9,337094E+21	1,296431E+22	1,529057E+22	1,529029E+22	1,296384E+22	9,336829E+21	5,610066E+21	2,782335E+21	1,382211E+21	1,382174E+21	2,782209E+21	5,609843E+21
872	9,336541E+21	1,296367E+22	1,529039E+22	1,529076E+22	1,296434E+22	9,337093E+21	5,610193E+21	2,782446E+21	1,382336E+21	1,382303E+21	2,782342E+21	5,610043E+21
873	9,336987E+21	1,296428E+22	1,529070E+22	1,529058E+22	1,296384E+22	9,336559E+21	5,609835E+21	2,782297E+21	1,382363E+21	1,382478E+21	2,782660E+21	5,610332E+21
874	9,336888E+21	1,296358E+22	1,528944E+22	1,528952E+22	1,296365E+22	9,336920E+21	5,610338E+21	2,782734E+21	1,382632E+21	1,382570E+21	2,782538E+21	5,609995E+21
875	9,336491E+21	1,296346E+22	1,528981E+22	1,528989E+22	1,296378E+22	9,336936E+21	5,610304E+21	2,782769E+21	1,382784E+21	1,382809E+21	2,782845E+21	5,610396E+21
876	9,336984E+21	1,296377E+22	1,528974E+22	1,528940E+22	1,296301E+22	9,336382E+21	5,610170E+21	2,782858E+21	1,382931E+21	1,382984E+21	2,782994E+21	5,610330E+21
877	9,336539E+21	1,296288E+22	1,528857E+22	1,528881E+22	1,296318E+22	9,336813E+21	5,610636E+21	2,783264E+21	1,383198E+21	1,383111E+21	2,782969E+21	5,610133E+21
878	9,336312E+21	1,296306E+22	1,528919E+22	1,528921E+22	1,296317E+22	9,336514E+21	5,610294E+21	2,783100E+21	1,383241E+21	1,383317E+21	2,783345E+21	5,610621E+21
879	9,336641E+21	1,296289E+22	1,528855E+22	1,528836E+22	1,296257E+22	9,336416E+21	5,610459E+21	2,783266E+21	1,383329E+21	1,383334E+21	2,783269E+21	5,610399E+21
880	9,336198E+21	1,296218E+22	1,528800E+22	1,528851E+22	1,296305E+22	9,336814E+21	5,610710E+21	2,783406E+21	1,383388E+21	1,383326E+21	2,783207E+21	5,610416E+21
881	9,336604E+21	1,296310E+22	1,528884E+22	1,528872E+22	1,296275E+22	9,336301E+21	5,610239E+21	2,783093E+21	1,383247E+21	1,383340E+21	2,783403E+21	5,610718E+21
882	9,336738E+21	1,296285E+22	1,528821E+22	1,528803E+22	1,296255E+22	9,336547E+21	5,610576E+21	2,783297E+21	1,383263E+21	1,383184E+21	2,783051E+21	5,610213E+21
883	9,336258E+21	1,296276E+22	1,528892E+22	1,528909E+22	1,296320E+22	9,336746E+21	5,610511E+21	2,783156E+21	1,383157E+21	1,383120E+21	2,783051E+21	5,610400E+21
884	9,336785E+21	1,296347E+22	1,528947E+22	1,528935E+22	1,296301E+22	9,336284E+21	5,610098E+21	2,782858E+21	1,382959E+21	1,383019E+21	2,783051E+21	5,610399E+21
885	9,336594E+21	1,296298E+22	1,528867E+22	1,528893E+22	1,296336E+22	9,336846E+21	5,610466E+21	2,782984E+21	1,382897E+21	1,382810E+21	2,782720E+21	5,610056E+21
886	9,336411E+21	1,296335E+22	1,528972E+22	1,528981E+22	1,296370E+22	9,336795E+21	5,610170E+21	2,782669E+21	1,382707E+21	1,382748E+21	2,782819E+21	5,610404E+21
887	9,336961E+21	1,296374E+22	1,528976E+22	1,528951E+22	1,296322E+22	9,336537E+21	5,610124E+21	2,782617E+21	1,382603E+21	1,382620E+21	2,782643E+21	5,610131E+21
888	9,336581E+21	1,296322E+22	1,528933E+22	1,528968E+22	1,296374E+22	9,336969E+21	5,610418E+21	2,782791E+21	1,382649E+21	1,382553E+21	2,782474E+21	5,609943E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
889	9,336652E+21	1,296391E+22	1,529028E+22	1,529021E+22	1,296375E+22	9,336585E+21	5,609962E+21	2,782503E+21	1,382567E+21	1,382650E+21	2,782778E+21	5,610355E+21
890	9,336824E+21	1,296357E+22	1,528952E+22	1,528932E+22	1,296328E+22	9,336656E+21	5,610230E+21	2,782739E+21	1,382695E+21	1,382666E+21	2,782649E+21	5,610055E+21
891	9,336336E+21	1,296300E+22	1,528939E+22	1,528972E+22	1,296370E+22	9,336956E+21	5,610427E+21	2,782886E+21	1,382840E+21	1,382805E+21	2,782776E+21	5,610248E+21
892	9,336783E+21	1,296358E+22	1,528965E+22	1,528960E+22	1,296324E+22	9,336378E+21	5,610060E+21	2,782764E+21	1,382887E+21	1,382991E+21	2,783079E+21	5,610507E+21
893	9,336767E+21	1,296309E+22	1,528847E+22	1,528840E+22	1,296290E+22	9,336663E+21	5,610516E+21	2,783175E+21	1,383148E+21	1,383091E+21	2,782986E+21	5,610185E+21
894	9,336287E+21	1,296289E+22	1,528895E+22	1,528893E+22	1,296307E+22	9,336648E+21	5,610469E+21	2,783217E+21	1,383302E+21	1,383322E+21	2,783273E+21	5,610530E+21
895	9,336665E+21	1,296303E+22	1,528876E+22	1,528847E+22	1,296240E+22	9,336156E+21	5,610350E+21	2,783305E+21	1,383454E+21	1,383514E+21	2,783464E+21	5,610529E+21
896	9,336248E+21	1,296209E+22	1,528758E+22	1,528793E+22	1,296262E+22	9,336617E+21	5,610797E+21	2,783681E+21	1,383695E+21	1,383613E+21	2,783414E+21	5,610354E+21
897	9,336099E+21	1,296230E+22	1,528811E+22	1,528824E+22	1,296262E+22	9,336377E+21	5,610482E+21	2,783492E+21	1,383697E+21	1,383782E+21	2,783779E+21	5,610880E+21
898	9,336530E+21	1,296225E+22	1,528742E+22	1,528719E+22	1,296185E+22	9,336215E+21	5,610656E+21	2,783676E+21	1,383789E+21	1,383789E+21	2,783666E+21	5,610611E+21
899	9,336124E+21	1,296176E+22	1,528720E+22	1,528748E+22	1,296230E+22	9,336582E+21	5,610902E+21	2,783821E+21	1,383847E+21	1,383766E+21	2,783557E+21	5,610529E+21
900	9,336394E+21	1,296258E+22	1,528812E+22	1,528798E+22	1,296220E+22	9,336073E+21	5,610396E+21	2,783494E+21	1,383703E+21	1,383778E+21	2,783736E+21	5,610794E+21
901	9,336536E+21	1,296239E+22	1,528750E+22	1,528728E+22	1,296202E+22	9,336303E+21	5,610653E+21	2,783619E+21	1,383672E+21	1,383608E+21	2,783423E+21	5,610358E+21
902	9,336022E+21	1,296217E+22	1,528815E+22	1,528837E+22	1,296275E+22	9,336561E+21	5,610599E+21	2,783460E+21	1,383536E+21	1,383506E+21	2,783386E+21	5,610536E+21
903	9,336560E+21	1,296282E+22	1,528856E+22	1,528853E+22	1,296257E+22	9,336187E+21	5,610259E+21	2,783175E+21	1,383325E+21	1,383394E+21	2,783386E+21	5,610566E+21
904	9,336445E+21	1,296243E+22	1,528790E+22	1,528816E+22	1,296284E+22	9,336687E+21	5,610625E+21	2,783319E+21	1,383268E+21	1,383170E+21	2,783018E+21	5,610180E+21
905	9,336260E+21	1,296284E+22	1,528897E+22	1,528904E+22	1,296320E+22	9,336653E+21	5,610341E+21	2,783019E+21	1,383091E+21	1,383126E+21	2,783142E+21	5,610524E+21
906	9,336755E+21	1,296318E+22	1,528892E+22	1,528859E+22	1,296258E+22	9,336328E+21	5,610299E+21	2,783014E+21	1,383047E+21	1,383058E+21	2,783017E+21	5,610270E+21
907	9,336354E+21	1,296266E+22	1,528855E+22	1,528883E+22	1,296314E+22	9,336755E+21	5,610585E+21	2,783208E+21	1,383133E+21	1,383033E+21	2,782886E+21	5,610104E+21
908	9,336381E+21	1,296317E+22	1,528931E+22	1,528937E+22	1,296325E+22	9,336416E+21	5,610124E+21	2,782917E+21	1,383065E+21	1,383153E+21	2,783209E+21	5,610569E+21
909	9,336715E+21	1,296300E+22	1,528848E+22	1,528822E+22	1,296259E+22	9,336421E+21	5,610359E+21	2,783117E+21	1,383170E+21	1,383167E+21	2,783110E+21	5,610321E+21
910	9,336250E+21	1,296246E+22	1,528844E+22	1,528868E+22	1,296299E+22	9,336684E+21	5,610572E+21	2,783294E+21	1,383318E+21	1,383282E+21	2,783181E+21	5,610425E+21
911	9,336621E+21	1,296301E+22	1,528872E+22	1,528859E+22	1,296257E+22	9,336155E+21	5,610250E+21	2,783204E+21	1,383391E+21	1,383491E+21	2,783496E+21	5,610656E+21
912	9,336513E+21	1,296246E+22	1,528769E+22	1,528758E+22	1,296227E+22	9,336419E+21	5,610703E+21	2,783629E+21	1,383664E+21	1,383596E+21	2,783400E+21	5,610310E+21
913	9,335968E+21	1,296212E+22	1,528802E+22	1,528813E+22	1,296258E+22	9,336494E+21	5,610661E+21	2,783653E+21	1,383806E+21	1,383832E+21	2,783728E+21	5,610708E+21
914	9,336348E+21	1,296218E+22	1,528756E+22	1,528735E+22	1,296176E+22	9,336011E+21	5,610569E+21	2,783754E+21	1,383970E+21	1,384036E+21	2,783932E+21	5,610762E+21
915	9,336047E+21	1,296138E+22	1,528648E+22	1,528677E+22	1,296191E+22	9,336464E+21	5,611035E+21	2,784132E+21	1,384200E+21	1,384111E+21	2,783844E+21	5,610565E+21
916	9,335941E+21	1,296164E+22	1,528706E+22	1,528720E+22	1,296196E+22	9,336170E+21	5,610677E+21	2,783928E+21	1,384187E+21	1,384255E+21	2,784157E+21	5,611046E+21
917	9,336469E+21	1,296183E+22	1,528654E+22	1,528612E+22	1,296107E+22	9,335911E+21	5,610768E+21	2,784049E+21	1,384240E+21	1,384244E+21	2,784055E+21	5,610780E+21
918	9,335982E+21	1,296132E+22	1,528655E+22	1,528672E+22	1,296166E+22	9,336262E+21	5,610991E+21	2,784179E+21	1,384274E+21	1,384187E+21	2,783906E+21	5,610637E+21
919	9,336143E+21	1,296199E+22	1,528738E+22	1,528730E+22	1,296175E+22	9,335883E+21	5,610509E+21	2,783839E+21	1,384119E+21	1,384201E+21	2,784109E+21	5,610940E+21
920	9,336276E+21	1,296175E+22	1,528679E+22	1,528665E+22	1,296162E+22	9,336174E+21	5,610776E+21	2,783936E+21	1,384057E+21	1,383999E+21	2,783766E+21	5,610518E+21
921	9,335844E+21	1,296155E+22	1,528729E+22	1,528762E+22	1,296235E+22	9,336500E+21	5,610772E+21	2,783772E+21	1,383894E+21	1,383874E+21	2,783717E+21	5,610685E+21
922	9,336397E+21	1,296223E+22	1,528760E+22	1,528753E+22	1,296197E+22	9,336057E+21	5,610458E+21	2,783542E+21	1,383724E+21	1,383783E+21	2,783708E+21	5,610695E+21
923	9,336302E+21	1,296198E+22	1,528715E+22	1,528723E+22	1,296219E+22	9,336508E+21	5,610815E+21	2,783716E+21	1,383704E+21	1,383586E+21	2,783346E+21	5,610265E+21
924	9,336013E+21	1,296224E+22	1,528817E+22	1,528827E+22	1,296266E+22	9,336447E+21	5,610502E+21	2,783426E+21	1,383555E+21	1,383575E+21	2,783497E+21	5,610632E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,336560E+21	1,296262E+22	1,528806E+22	1,528771E+22	1,296198E+22	9,336066E+21	5,610384E+21	2,783366E+21	1,383498E+21	1,383531E+21	2,783455E+21	5,610493E+21
926	9,336177E+21	1,296203E+22	1,528767E+22	1,528797E+22	1,296254E+22	9,336500E+21	5,610677E+21	2,783556E+21	1,383570E+21	1,383487E+21	2,783302E+21	5,610323E+21
927	9,336225E+21	1,296252E+22	1,528832E+22	1,528840E+22	1,296266E+22	9,336250E+21	5,610294E+21	2,783296E+21	1,383511E+21	1,383614E+21	2,783627E+21	5,610792E+21
928	9,336592E+21	1,296246E+22	1,528768E+22	1,528735E+22	1,296197E+22	9,336217E+21	5,610527E+21	2,783512E+21	1,383627E+21	1,383620E+21	2,783492E+21	5,610487E+21
929	9,336107E+21	1,296193E+22	1,528761E+22	1,528779E+22	1,296241E+22	9,336534E+21	5,610778E+21	2,783713E+21	1,383792E+21	1,383754E+21	2,783575E+21	5,610538E+21
930	9,336340E+21	1,296234E+22	1,528776E+22	1,528760E+22	1,296191E+22	9,335974E+21	5,610486E+21	2,783688E+21	1,383927E+21	1,384014E+21	2,783933E+21	5,610804E+21
931	9,336216E+21	1,296173E+22	1,528672E+22	1,528662E+22	1,296164E+22	9,336235E+21	5,610919E+21	2,784120E+21	1,384224E+21	1,384147E+21	2,783869E+21	5,610491E+21
932	9,335653E+21	1,296122E+22	1,528680E+22	1,528709E+22	1,296200E+22	9,336349E+21	5,610882E+21	2,784128E+21	1,384355E+21	1,384377E+21	2,784192E+21	5,610937E+21
933	9,336219E+21	1,296150E+22	1,528636E+22	1,528610E+22	1,296095E+22	9,335752E+21	5,610728E+21	2,784167E+21	1,384470E+21	1,384554E+21	2,784409E+21	5,611036E+21
934	9,335975E+21	1,296085E+22	1,528552E+22	1,528566E+22	1,296107E+22	9,336106E+21	5,611153E+21	2,784532E+21	1,384669E+21	1,384576E+21	2,784237E+21	5,610736E+21
935	9,335800E+21	1,296115E+22	1,528623E+22	1,528625E+22	1,296126E+22	9,335906E+21	5,610823E+21	2,784325E+21	1,384648E+21	1,384713E+21	2,784537E+21	5,611172E+21
936	9,336237E+21	1,296132E+22	1,528595E+22	1,528550E+22	1,296053E+22	9,335659E+21	5,610876E+21	2,784411E+21	1,384673E+21	1,384672E+21	2,784406E+21	5,610879E+21
937	9,335717E+21	1,296071E+22	1,528581E+22	1,528613E+22	1,296132E+22	9,336157E+21	5,611123E+21	2,784507E+21	1,384673E+21	1,384595E+21	2,784265E+21	5,610752E+21
938	9,335850E+21	1,296126E+22	1,528640E+22	1,528644E+22	1,296131E+22	9,335840E+21	5,610715E+21	2,784200E+21	1,384526E+21	1,384607E+21	2,784464E+21	5,611101E+21
939	9,336085E+21	1,296113E+22	1,528588E+22	1,528576E+22	1,296110E+22	9,336105E+21	5,610997E+21	2,784312E+21	1,384465E+21	1,384396E+21	2,784099E+21	5,610657E+21
940	9,335673E+21	1,296093E+22	1,528634E+22	1,528674E+22	1,296183E+22	9,336390E+21	5,610979E+21	2,784157E+21	1,384312E+21	1,384273E+21	2,784029E+21	5,610801E+21
941	9,336298E+21	1,296181E+22	1,528677E+22	1,528654E+22	1,296125E+22	9,335798E+21	5,610580E+21	2,783886E+21	1,384134E+21	1,384203E+21	2,784079E+21	5,610857E+21
942	9,336155E+21	1,296153E+22	1,528648E+22	1,528647E+22	1,296151E+22	9,336161E+21	5,610885E+21	2,784058E+21	1,384118E+21	1,384006E+21	2,783715E+21	5,610418E+21
943	9,335815E+21	1,296167E+22	1,528736E+22	1,528751E+22	1,296214E+22	9,336223E+21	5,610594E+21	2,783766E+21	1,383983E+21	1,384022E+21	2,783911E+21	5,610844E+21
944	9,336381E+21	1,296202E+22	1,528727E+22	1,528696E+22	1,296146E+22	9,335876E+21	5,610487E+21	2,783691E+21	1,383910E+21	1,383961E+21	2,783851E+21	5,610722E+21
945	9,336093E+21	1,296150E+22	1,528680E+22	1,528714E+22	1,296204E+22	9,336375E+21	5,610839E+21	2,783897E+21	1,383978E+21	1,383909E+21	2,783681E+21	5,610497E+21
946	9,336083E+21	1,296197E+22	1,528736E+22	1,528736E+22	1,296198E+22	9,336092E+21	5,610522E+21	2,783729E+21	1,383985E+21	1,384071E+21	2,783997E+21	5,610916E+21
947	9,336388E+21	1,296193E+22	1,528686E+22	1,528642E+22	1,296130E+22	9,336046E+21	5,610766E+21	2,783992E+21	1,384154E+21	1,384123E+21	2,783881E+21	5,610564E+21
948	9,335769E+21	1,296118E+22	1,528664E+22	1,528694E+22	1,296186E+22	9,336372E+21	5,611010E+21	2,784207E+21	1,384348E+21	1,384291E+21	2,783997E+21	5,610646E+21
949	9,336032E+21	1,296156E+22	1,528663E+22	1,528652E+22	1,296121E+22	9,335739E+21	5,610649E+21	2,784133E+21	1,384469E+21	1,384571E+21	2,784436E+21	5,611036E+21
950	9,335967E+21	1,296094E+22	1,528560E+22	1,528555E+22	1,296089E+22	9,335958E+21	5,611078E+21	2,784551E+21	1,384736E+21	1,384669E+21	2,784340E+21	5,610736E+21
951	9,335482E+21	1,296049E+22	1,528563E+22	1,528595E+22	1,296125E+22	9,336116E+21	5,611065E+21	2,784556E+21	1,384854E+21	1,384884E+21	2,784647E+21	5,611172E+21
952	9,336077E+21	1,296094E+22	1,528548E+22	1,528513E+22	1,296022E+22	9,335478E+21	5,610871E+21	2,784567E+21	1,384940E+21	1,385021E+21	2,784810E+21	5,611222E+21
953	9,335854E+21	1,296038E+22	1,528475E+22	1,528483E+22	1,296047E+22	9,335894E+21	5,611297E+21	2,784904E+21	1,385114E+21	1,385027E+21	2,784621E+21	5,610852E+21
954	9,335542E+21	1,296056E+22	1,528540E+22	1,528541E+22	1,296067E+22	9,335720E+21	5,611012E+21	2,784743E+21	1,385122E+21	1,385178E+21	2,784928E+21	5,611307E+21
955	9,335971E+21	1,296068E+22	1,528512E+22	1,528477E+22	1,296009E+22	9,335553E+21	5,611056E+21	2,784814E+21	1,385142E+21	1,385136E+21	2,784797E+21	5,611027E+21
956	9,335457E+21	1,295996E+22	1,528477E+22	1,528531E+22	1,296091E+22	9,336111E+21	5,611335E+21	2,784893E+21	1,385114E+21	1,385031E+21	2,784629E+21	5,610923E+21
957	9,335732E+21	1,296069E+22	1,528537E+22	1,528538E+22	1,296064E+22	9,335660E+21	5,610878E+21	2,784547E+21	1,384931E+21	1,385022E+21	2,784837E+21	5,611301E+21
958	9,336001E+21	1,296069E+22	1,528507E+22	1,528484E+22	1,296036E+22	9,335796E+21	5,611116E+21	2,784655E+21	1,384854E+21	1,384781E+21	2,784424E+21	5,610789E+21
959	9,335528E+21	1,296048E+22	1,528556E+22	1,528589E+22	1,296119E+22	9,336141E+21	5,611105E+21	2,784503E+21	1,384715E+21	1,384678E+21	2,784378E+21	5,610919E+21
960	9,336065E+21	1,296133E+22	1,528619E+22	1,528594E+22	1,296071E+22	9,335536E+21	5,610657E+21	2,784201E+21	1,384524E+21	1,384601E+21	2,784432E+21	5,611003E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,335964E+21	1,296100E+22	1,528575E+22	1,528582E+22	1,296111E+22	9,336007E+21	5,610973E+21	2,784345E+21	1,384494E+21	1,384406E+21	2,784082E+21	5,610569E+21
962	9,335595E+21	1,296104E+22	1,528642E+22	1,528663E+22	1,296161E+22	9,336123E+21	5,610789E+21	2,784131E+21	1,384399E+21	1,384438E+21	2,784277E+21	5,611027E+21
963	9,336243E+21	1,296148E+22	1,528639E+22	1,528611E+22	1,296093E+22	9,335762E+21	5,610693E+21	2,784092E+21	1,384358E+21	1,384393E+21	2,784201E+21	5,610852E+21
964	9,335905E+21	1,296090E+22	1,528584E+22	1,528624E+22	1,296149E+22	9,336264E+21	5,611082E+21	2,784341E+21	1,384461E+21	1,384368E+21	2,784031E+21	5,610598E+21
965	9,335887E+21	1,296142E+22	1,528644E+22	1,528634E+22	1,296125E+22	9,335862E+21	5,610719E+21	2,784169E+21	1,384490E+21	1,384575E+21	2,784425E+21	5,611063E+21
966	9,336118E+21	1,296128E+22	1,528598E+22	1,528555E+22	1,296058E+22	9,335714E+21	5,610920E+21	2,784443E+21	1,384678E+21	1,384649E+21	2,784339E+21	5,610737E+21
967	9,335469E+21	1,296039E+22	1,528550E+22	1,528594E+22	1,296124E+22	9,336164E+21	5,611180E+21	2,784649E+21	1,384882E+21	1,384844E+21	2,784506E+21	5,610893E+21
968	9,335773E+21	1,296079E+22	1,528558E+22	1,528551E+22	1,296053E+22	9,335510E+21	5,610800E+21	2,784538E+21	1,384967E+21	1,385089E+21	2,784915E+21	5,611315E+21
969	9,335869E+21	1,296032E+22	1,528453E+22	1,528448E+22	1,296019E+22	9,335731E+21	5,611231E+21	2,784935E+21	1,385205E+21	1,385155E+21	2,784774E+21	5,610942E+21
970	9,335342E+21	1,295994E+22	1,528462E+22	1,528482E+22	1,296046E+22	9,335871E+21	5,611275E+21	2,785007E+21	1,385356E+21	1,385370E+21	2,785050E+21	5,611333E+21
971	9,335898E+21	1,296042E+22	1,528466E+22	1,528425E+22	1,295959E+22	9,335264E+21	5,611065E+21	2,785022E+21	1,385454E+21	1,385514E+21	2,785197E+21	5,611320E+21
972	9,335556E+21	1,295971E+22	1,528387E+22	1,528409E+22	1,296001E+22	9,335761E+21	5,611502E+21	2,785343E+21	1,385615E+21	1,385513E+21	2,785011E+21	5,610979E+21
973	9,335287E+21	1,295988E+22	1,528442E+22	1,528449E+22	1,296009E+22	9,335562E+21	5,611179E+21	2,785128E+21	1,385585E+21	1,385653E+21	2,785356E+21	5,611510E+21
974	9,335761E+21	1,296002E+22	1,528417E+22	1,528389E+22	1,295949E+22	9,335348E+21	5,611221E+21	2,785177E+21	1,385560E+21	1,385561E+21	2,785176E+21	5,611217E+21
975	9,335311E+21	1,295937E+22	1,528377E+22	1,528434E+22	1,296032E+22	9,335946E+21	5,611506E+21	2,785248E+21	1,385517E+21	1,385440E+21	2,784990E+21	5,611088E+21
976	9,335566E+21	1,296022E+22	1,528464E+22	1,528455E+22	1,296002E+22	9,335426E+21	5,610998E+21	2,784871E+21	1,385308E+21	1,385395E+21	2,785155E+21	5,611437E+21
977	9,335874E+21	1,296029E+22	1,528443E+22	1,528414E+22	1,295982E+22	9,335570E+21	5,611218E+21	2,784957E+21	1,385220E+21	1,385155E+21	2,784746E+21	5,610886E+21
978	9,335293E+21	1,295996E+22	1,528484E+22	1,528515E+22	1,296062E+22	9,335913E+21	5,611246E+21	2,784866E+21	1,385127E+21	1,385085E+21	2,784732E+21	5,611064E+21
979	9,335838E+21	1,296074E+22	1,528538E+22	1,528525E+22	1,296031E+22	9,335414E+21	5,610802E+21	2,784563E+21	1,384954E+21	1,385027E+21	2,784800E+21	5,611167E+21
980	9,335763E+21	1,296037E+22	1,528480E+22	1,528502E+22	1,296069E+22	9,335941E+21	5,611166E+21	2,784710E+21	1,384919E+21	1,384829E+21	2,784439E+21	5,610754E+21
981	9,335504E+21	1,296052E+22	1,528545E+22	1,528558E+22	1,296092E+22	9,335917E+21	5,610961E+21	2,784506E+21	1,384835E+21	1,384877E+21	2,784656E+21	5,611203E+21
982	9,336113E+21	1,296101E+22	1,528558E+22	1,528522E+22	1,296021E+22	9,335466E+21	5,610854E+21	2,784497E+21	1,384814E+21	1,384843E+21	2,784566E+21	5,610967E+21
983	9,335672E+21	1,296033E+22	1,528495E+22	1,528534E+22	1,296085E+22	9,336031E+21	5,611260E+21	2,784772E+21	1,384960E+21	1,384869E+21	2,784456E+21	5,610719E+21
984	9,335522E+21	1,296072E+22	1,528561E+22	1,528555E+22	1,296066E+22	9,335614E+21	5,610860E+21	2,784580E+21	1,384986E+21	1,385080E+21	2,784871E+21	5,611248E+21
985	9,335847E+21	1,296054E+22	1,528495E+22	1,528465E+22	1,296005E+22	9,335540E+21	5,611069E+21	2,784826E+21	1,385158E+21	1,385156E+21	2,784808E+21	5,610955E+21
986	9,335223E+21	1,295961E+22	1,528431E+22	1,528476E+22	1,296051E+22	9,335985E+21	5,611415E+21	2,785099E+21	1,385388E+21	1,385353E+21	2,784966E+21	5,611149E+21
987	9,335637E+21	1,296015E+22	1,528447E+22	1,528442E+22	1,295986E+22	9,335325E+21	5,611021E+21	2,785001E+21	1,385486E+21	1,385594E+21	2,785337E+21	5,611508E+21
988	9,335718E+21	1,295975E+22	1,528353E+22	1,528345E+22	1,295954E+22	9,335551E+21	5,611452E+21	2,785395E+21	1,385722E+21	1,385653E+21	2,785173E+21	5,611102E+21
989	9,335191E+21	1,295941E+22	1,528373E+22	1,528379E+22	1,295968E+22	9,335577E+21	5,611447E+21	2,785451E+21	1,385873E+21	1,385885E+21	2,785488E+21	5,611505E+21
990	9,335666E+21	1,295983E+22	1,528386E+22	1,528349E+22	1,295896E+22	9,334955E+21	5,611206E+21	2,785448E+21	1,385953E+21	1,386015E+21	2,785630E+21	5,611492E+21
991	9,335289E+21	1,295899E+22	1,528286E+22	1,528321E+22	1,295951E+22	9,335615E+21	5,611671E+21	2,785740E+21	1,386092E+21	1,386007E+21	2,785460E+21	5,611185E+21
992	9,335034E+21	1,295921E+22	1,528352E+22	1,528361E+22	1,295953E+22	9,335402E+21	5,611341E+21	2,785480E+21	1,386001E+21	1,386079E+21	2,785741E+21	5,611718E+21
993	9,335657E+21	1,295950E+22	1,528328E+22	1,528298E+22	1,295890E+22	9,335160E+21	5,611364E+21	2,785499E+21	1,385941E+21	1,385950E+21	2,785507E+21	5,611338E+21
994	9,335132E+21	1,295888E+22	1,528291E+22	1,528335E+22	1,295964E+22	9,335734E+21	5,611693E+21	2,785629E+21	1,385927E+21	1,385830E+21	2,785306E+21	5,611195E+21
995	9,335362E+21	1,295973E+22	1,528391E+22	1,528383E+22	1,295952E+22	9,335228E+21	5,611141E+21	2,785245E+21	1,385732E+21	1,385799E+21	2,785470E+21	5,611509E+21
996	9,335591E+21	1,295968E+22	1,528364E+22	1,528348E+22	1,295943E+22	9,335431E+21	5,611360E+21	2,785313E+21	1,385638E+21	1,38563E+21	2,785086E+21	5,611029E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,335094E+21	1,295935E+22	1,528395E+22	1,528428E+22	1,296007E+22	9,335727E+21	5,611374E+21	2,785200E+21	1,385536E+21	1,385506E+21	2,785119E+21	5,611279E+21
998	9,335700E+21	1,296018E+22	1,528454E+22	1,528443E+22	1,295972E+22	9,335191E+21	5,610948E+21	2,784905E+21	1,385350E+21	1,385431E+21	2,785157E+21	5,611352E+21
999	9,335645E+21	1,295985E+22	1,528389E+22	1,528410E+22	1,296013E+22	9,335776E+21	5,611335E+21	2,785073E+21	1,385338E+21	1,385254E+21	2,784809E+21	5,610906E+21
1000	9,335309E+21	1,296006E+22	1,528475E+22	1,528474E+22	1,296030E+22	9,335697E+21	5,611109E+21	2,784867E+21	1,385255E+21	1,385298E+21	2,785008E+21	5,611329E+21
1001	9,335916E+21	1,296051E+22	1,528485E+22	1,528444E+22	1,295966E+22	9,335241E+21	5,610990E+21	2,784862E+21	1,385256E+21	1,385297E+21	2,784952E+21	5,611076E+21
1002	9,335360E+21	1,295964E+22	1,528401E+22	1,528441E+22	1,296024E+22	9,335825E+21	5,611453E+21	2,785214E+21	1,385463E+21	1,385370E+21	2,784900E+21	5,610922E+21
1003	9,335258E+21	1,295993E+22	1,528450E+22	1,528461E+22	1,296016E+22	9,335476E+21	5,611056E+21	2,785025E+21	1,385507E+21	1,385599E+21	2,785326E+21	5,611473E+21
1004	9,335642E+21	1,295978E+22	1,528379E+22	1,528357E+22	1,295944E+22	9,335404E+21	5,611302E+21	2,785278E+21	1,385672E+21	1,385665E+21	2,785253E+21	5,611214E+21
1005	9,335147E+21	1,295903E+22	1,528321E+22	1,528350E+22	1,295961E+22	9,335669E+21	5,611601E+21	2,785552E+21	1,385909E+21	1,385871E+21	2,785418E+21	5,611378E+21
1006	9,335519E+21	1,295965E+22	1,528361E+22	1,528339E+22	1,295902E+22	9,334970E+21	5,611191E+21	2,785458E+21	1,386007E+21	1,386108E+21	2,785759E+21	5,611656E+21
1007	9,335491E+21	1,295918E+22	1,528267E+22	1,528254E+22	1,295889E+22	9,335296E+21	5,611620E+21	2,785841E+21	1,386251E+21	1,386187E+21	2,785624E+21	5,611238E+21
1008	9,334852E+21	1,295875E+22	1,528292E+22	1,528301E+22	1,295913E+22	9,335351E+21	5,611586E+21	2,785856E+21	1,386364E+21	1,386382E+21	2,785919E+21	5,611678E+21
1009	9,335408E+21	1,295912E+22	1,528291E+22	1,528267E+22	1,295852E+22	9,334837E+21	5,611364E+21	2,785811E+21	1,386400E+21	1,386479E+21	2,786037E+21	5,611657E+21
1010	9,335033E+21	1,295827E+22	1,528180E+22	1,528218E+22	1,295891E+22	9,335484E+21	5,611902E+21	2,786153E+21	1,386540E+21	1,386445E+21	2,785842E+21	5,611374E+21
1011	9,334851E+21	1,295854E+22	1,528250E+22	1,528266E+22	1,295900E+22	9,335268E+21	5,611550E+21	2,785890E+21	1,386444E+21	1,386498E+21	2,786071E+21	5,611831E+21
1012	9,335454E+21	1,295894E+22	1,528240E+22	1,528208E+22	1,295836E+22	9,335024E+21	5,611563E+21	2,785889E+21	1,386367E+21	1,386355E+21	2,785835E+21	5,611470E+21
1013	9,334969E+21	1,295838E+22	1,528212E+22	1,528242E+22	1,295890E+22	9,335424E+21	5,611814E+21	2,785997E+21	1,386357E+21	1,386261E+21	2,785684E+21	5,611361E+21
1014	9,335176E+21	1,295919E+22	1,528319E+22	1,528311E+22	1,295895E+22	9,334941E+21	5,611236E+21	2,785590E+21	1,386148E+21	1,386226E+21	2,785852E+21	5,611696E+21
1015	9,335422E+21	1,295909E+22	1,528277E+22	1,528267E+22	1,295897E+22	9,335277E+21	5,611467E+21	2,785628E+21	1,386043E+21	1,385993E+21	2,785486E+21	5,611241E+21
1016	9,334951E+21	1,295886E+22	1,528319E+22	1,528346E+22	1,295952E+22	9,335533E+21	5,611482E+21	2,785499E+21	1,385905E+21	1,385888E+21	2,785462E+21	5,611476E+21
1017	9,335649E+21	1,295978E+22	1,528381E+22	1,528363E+22	1,295920E+22	9,335003E+21	5,611066E+21	2,785210E+21	1,385719E+21	1,385805E+21	2,785460E+21	5,611444E+21
1018	9,335452E+21	1,295937E+22	1,528315E+22	1,528321E+22	1,295950E+22	9,335582E+21	5,611531E+21	2,785472E+21	1,385769E+21	1,385669E+21	2,785145E+21	5,611002E+21
1019	9,335037E+21	1,295943E+22	1,528394E+22	1,528402E+22	1,295986E+22	9,335544E+21	5,611303E+21	2,785297E+21	1,385734E+21	1,385756E+21	2,785368E+21	5,611402E+21
1020	9,335563E+21	1,295977E+22	1,528390E+22	1,528362E+22	1,295923E+22	9,335147E+21	5,611200E+21	2,785294E+21	1,385749E+21	1,385782E+21	2,785372E+21	5,611270E+21
1021	9,335123E+21	1,295888E+22	1,528290E+22	1,528327E+22	1,295952E+22	9,335607E+21	5,611641E+21	2,785645E+21	1,385969E+21	1,385887E+21	2,785373E+21	5,611191E+21
1022	9,335125E+21	1,295925E+22	1,528344E+22	1,528351E+22	1,295939E+22	9,335201E+21	5,611247E+21	2,785464E+21	1,386010E+21	1,386106E+21	2,785773E+21	5,611713E+21
1023	9,335530E+21	1,295918E+22	1,528272E+22	1,528244E+22	1,295870E+22	9,335154E+21	5,611480E+21	2,785719E+21	1,386190E+21	1,386188E+21	2,785705E+21	5,611409E+21
1024	9,334965E+21	1,295854E+22	1,528244E+22	1,528254E+22	1,295887E+22	9,335361E+21	5,611739E+21	2,785972E+21	1,386407E+21	1,386370E+21	2,785840E+21	5,611550E+21
1025	9,335330E+21	1,295912E+22	1,528285E+22	1,528259E+22	1,295842E+22	9,334703E+21	5,611320E+21	2,785865E+21	1,386504E+21	1,386612E+21	2,786180E+21	5,611776E+21
1026	9,335158E+21	1,295844E+22	1,528173E+22	1,528164E+22	1,295833E+22	9,335125E+21	5,611824E+21	2,786295E+21	1,386770E+21	1,386705E+21	2,786079E+21	5,611440E+21
1027	9,334575E+21	1,295792E+22	1,528181E+22	1,528213E+22	1,295872E+22	9,335277E+21	5,611804E+21	2,786292E+21	1,386865E+21	1,386876E+21	2,786334E+21	5,611851E+21
1028	9,335177E+21	1,295838E+22	1,528178E+22	1,528163E+22	1,295798E+22	9,334765E+21	5,611611E+21	2,786237E+21	1,386868E+21	1,386933E+21	2,786424E+21	5,611861E+21
1029	9,334912E+21	1,295768E+22	1,528077E+22	1,528098E+22	1,295808E+22	9,335215E+21	5,612083E+21	2,786564E+21	1,386999E+21	1,386895E+21	2,786225E+21	5,611555E+21
1030	9,334722E+21	1,295804E+22	1,528169E+22	1,528172E+22	1,295823E+22	9,334949E+21	5,611693E+21	2,786280E+21	1,386887E+21	1,386933E+21	2,786427E+21	5,611951E+21
1031	9,335241E+21	1,295838E+22	1,528162E+22	1,528128E+22	1,295777E+22	9,334771E+21	5,611670E+21	2,786247E+21	1,386802E+21	1,386801E+21	2,786225E+21	5,611607E+21
1032	9,334721E+21	1,295785E+22	1,528146E+22	1,528173E+22	1,295839E+22	9,335177E+21	5,611868E+21	2,786293E+21	1,386742E+21	1,386663E+21	2,786053E+21	5,611556E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,335046E+21	1,295867E+22	1,528243E+22	1,528239E+22	1,295853E+22	9,334798E+21	5,611325E+21	2,785860E+21	1,386500E+21	1,386598E+21	2,786181E+21	5,611845E+21
1034	9,335270E+21	1,295857E+22	1,528197E+22	1,528183E+22	1,295845E+22	9,335157E+21	5,611647E+21	2,785966E+21	1,386415E+21	1,386361E+21	2,785804E+21	5,611399E+21
1035	9,334836E+21	1,295834E+22	1,528237E+22	1,528271E+22	1,295911E+22	9,335437E+21	5,611667E+21	2,785866E+21	1,386305E+21	1,386262E+21	2,785739E+21	5,611528E+21
1036	9,335426E+21	1,295927E+22	1,528306E+22	1,528287E+22	1,295875E+22	9,334919E+21	5,611284E+21	2,785607E+21	1,386146E+21	1,386207E+21	2,785778E+21	5,611541E+21
1037	9,335210E+21	1,295878E+22	1,528234E+22	1,528231E+22	1,295881E+22	9,335316E+21	5,611698E+21	2,785893E+21	1,386248E+21	1,386144E+21	2,785558E+21	5,611173E+21
1038	9,334784E+21	1,295870E+22	1,528300E+22	1,528316E+22	1,295924E+22	9,335310E+21	5,611467E+21	2,785718E+21	1,386230E+21	1,386261E+21	2,785818E+21	5,611614E+21
1039	9,335341E+21	1,295901E+22	1,528279E+22	1,528258E+22	1,295862E+22	9,334981E+21	5,611372E+21	2,785706E+21	1,386253E+21	1,386311E+21	2,785863E+21	5,611531E+21
1040	9,334984E+21	1,295830E+22	1,528193E+22	1,528217E+22	1,295873E+22	9,335308E+21	5,611768E+21	2,786036E+21	1,386445E+21	1,386377E+21	2,785814E+21	5,611443E+21
1041	9,335075E+21	1,295878E+22	1,528254E+22	1,528249E+22	1,295866E+22	9,334917E+21	5,611371E+21	2,785857E+21	1,386488E+21	1,386588E+21	2,786167E+21	5,611850E+21
1042	9,335329E+21	1,295864E+22	1,528189E+22	1,528147E+22	1,295798E+22	9,334886E+21	5,611660E+21	2,786172E+21	1,386706E+21	1,386696E+21	2,786123E+21	5,611548E+21
1043	9,334684E+21	1,295782E+22	1,528151E+22	1,528177E+22	1,295840E+22	9,335185E+21	5,611927E+21	2,786436E+21	1,386943E+21	1,386889E+21	2,786252E+21	5,611647E+21
1044	9,334966E+21	1,295831E+22	1,528182E+22	1,528173E+22	1,295801E+22	9,334662E+21	5,611564E+21	2,786323E+21	1,387024E+21	1,387123E+21	2,786622E+21	5,611977E+21
1045	9,334894E+21	1,295762E+22	1,528058E+22	1,528050E+22	1,295762E+22	9,334954E+21	5,612053E+21	2,786747E+21	1,387284E+21	1,387222E+21	2,786544E+21	5,611689E+21
1046	9,334415E+21	1,295719E+22	1,528070E+22	1,528102E+22	1,295798E+22	9,335067E+21	5,612030E+21	2,786732E+21	1,387352E+21	1,387360E+21	2,786748E+21	5,612038E+21
1047	9,335021E+21	1,295777E+22	1,528074E+22	1,528052E+22	1,295727E+22	9,334555E+21	5,611791E+21	2,786648E+21	1,387341E+21	1,387408E+21	2,786831E+21	5,612015E+21
1048	9,334736E+21	1,295723E+22	1,528004E+22	1,528005E+22	1,295731E+22	9,334880E+21	5,612171E+21	2,786915E+21	1,387424E+21	1,387324E+21	2,786597E+21	5,611718E+21
1049	9,334583E+21	1,295759E+22	1,528101E+22	1,528100E+22	1,295766E+22	9,334665E+21	5,611750E+21	2,786596E+21	1,387290E+21	1,387345E+21	2,786777E+21	5,612071E+21
1050	9,335007E+21	1,295779E+22	1,528085E+22	1,528056E+22	1,295730E+22	9,334594E+21	5,611788E+21	2,786582E+21	1,387206E+21	1,387212E+21	2,786600E+21	5,611804E+21
1051	9,334567E+21	1,295722E+22	1,528060E+22	1,528105E+22	1,295806E+22	9,335105E+21	5,612020E+21	2,786623E+21	1,387130E+21	1,387046E+21	2,786374E+21	5,611694E+21
1052	9,334906E+21	1,295816E+22	1,528161E+22	1,528160E+22	1,295811E+22	9,334769E+21	5,611541E+21	2,786212E+21	1,386879E+21	1,386959E+21	2,786480E+21	5,611985E+21
1053	9,335141E+21	1,295810E+22	1,528118E+22	1,528089E+22	1,295776E+22	9,334946E+21	5,611824E+21	2,786342E+21	1,386829E+21	1,386762E+21	2,786129E+21	5,611514E+21
1054	9,334661E+21	1,295784E+22	1,528165E+22	1,528192E+22	1,295848E+22	9,335215E+21	5,611843E+21	2,786259E+21	1,386746E+21	1,386695E+21	2,786081E+21	5,611593E+21
1055	9,335120E+21	1,295860E+22	1,528219E+22	1,528207E+22	1,295822E+22	9,334744E+21	5,611441E+21	2,786004E+21	1,386618E+21	1,386688E+21	2,786195E+21	5,611671E+21
1056	9,334913E+21	1,295812E+22	1,528148E+22	1,528146E+22	1,295822E+22	9,335082E+21	5,611800E+21	2,786249E+21	1,386696E+21	1,386612E+21	2,785995E+21	5,611417E+21
1057	9,334652E+21	1,295808E+22	1,528202E+22	1,528220E+22	1,295863E+22	9,335100E+21	5,611583E+21	2,786067E+21	1,386669E+21	1,386719E+21	2,786227E+21	5,611815E+21
1058	9,335190E+21	1,295838E+22	1,528177E+22	1,528152E+22	1,295792E+22	9,334770E+21	5,611558E+21	2,786117E+21	1,386721E+21	1,386780E+21	2,786282E+21	5,611755E+21
1059	9,334879E+21	1,295773E+22	1,528098E+22	1,528126E+22	1,295816E+22	9,335116E+21	5,611940E+21	2,786457E+21	1,386932E+21	1,386849E+21	2,786188E+21	5,611559E+21
1060	9,334864E+21	1,295823E+22	1,528170E+22	1,528158E+22	1,295806E+22	9,334767E+21	5,611596E+21	2,786312E+21	1,386995E+21	1,387077E+21	2,786572E+21	5,611996E+21
1061	9,335061E+21	1,295796E+22	1,528097E+22	1,528052E+22	1,295726E+22	9,334619E+21	5,611848E+21	2,786647E+21	1,387255E+21	1,387242E+21	2,786597E+21	5,611747E+21
1062	9,334427E+21	1,295704E+22	1,528046E+22	1,528082E+22	1,295778E+22	9,335008E+21	5,612136E+21	2,786898E+21	1,387488E+21	1,387441E+21	2,786732E+21	5,611849E+21
1063	9,334705E+21	1,295749E+22	1,528062E+22	1,528062E+22	1,295739E+22	9,334541E+21	5,611794E+21	2,786775E+21	1,387553E+21	1,387665E+21	2,787105E+21	5,612201E+21
1064	9,334723E+21	1,295701E+22	1,527957E+22	1,527937E+22	1,295680E+22	9,334672E+21	5,612210E+21	2,787151E+21	1,387758E+21	1,387701E+21	2,786969E+21	5,611916E+21
1065	9,334335E+21	1,295670E+22	1,527978E+22	1,527999E+22	1,295722E+22	9,334771E+21	5,612147E+21	2,787109E+21	1,387801E+21	1,387807E+21	2,787108E+21	5,612142E+21
1066	9,334791E+21	1,295723E+22	1,527993E+22	1,527963E+22	1,295659E+22	9,334289E+21	5,611942E+21	2,787046E+21	1,387795E+21	1,387856E+21	2,787211E+21	5,612152E+21
1067	9,334499E+21	1,295660E+22	1,527923E+22	1,527941E+22	1,295690E+22	9,334688E+21	5,612286E+21	2,787280E+21	1,387862E+21	1,387753E+21	2,786946E+21	5,611820E+21
1068	9,334321E+21	1,295697E+22	1,528018E+22	1,528030E+22	1,295731E+22	9,334623E+21	5,611934E+21	2,786952E+21	1,387698E+21	1,387747E+21	2,787136E+21	5,612258E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1069	9,334827E+21	1,295718E+22	1,527995E+22	1,527969E+22	1,295672E+22	9,334439E+21	5,611963E+21	2,786940E+21	1,387614E+21	1,387620E+21	2,786962E+21	5,612004E+21
1070	9,334470E+21	1,295670E+22	1,527974E+22	1,528021E+22	1,295749E+22	9,334964E+21	5,612216E+21	2,786984E+21	1,387533E+21	1,387442E+21	2,786697E+21	5,611806E+21
1071	9,334733E+21	1,295765E+22	1,528078E+22	1,528074E+22	1,295757E+22	9,334652E+21	5,611731E+21	2,786582E+21	1,387297E+21	1,387374E+21	2,786820E+21	5,612066E+21
1072	9,334924E+21	1,295768E+22	1,528054E+22	1,528010E+22	1,295708E+22	9,334662E+21	5,611929E+21	2,786682E+21	1,387237E+21	1,387176E+21	2,786490E+21	5,611656E+21
1073	9,334469E+21	1,295730E+22	1,528086E+22	1,528118E+22	1,295794E+22	9,334969E+21	5,611924E+21	2,786594E+21	1,387167E+21	1,387128E+21	2,786458E+21	5,611725E+21
1074	9,334845E+21	1,295790E+22	1,528125E+22	1,528122E+22	1,295770E+22	9,334574E+21	5,611579E+21	2,786366E+21	1,387059E+21	1,387147E+21	2,786627E+21	5,611918E+21
1075	9,334773E+21	1,295743E+22	1,528043E+22	1,528058E+22	1,295770E+22	9,334922E+21	5,611949E+21	2,786616E+21	1,387138E+21	1,387058E+21	2,786383E+21	5,611614E+21
1076	9,334547E+21	1,295756E+22	1,528107E+22	1,528120E+22	1,295800E+22	9,334964E+21	5,611801E+21	2,786475E+21	1,387118E+21	1,387156E+21	2,786605E+21	5,612011E+21
1077	9,335066E+21	1,295787E+22	1,528088E+22	1,528047E+22	1,295710E+22	9,334468E+21	5,611732E+21	2,786557E+21	1,387222E+21	1,387269E+21	2,786686E+21	5,611910E+21
1078	9,334688E+21	1,295717E+22	1,528015E+22	1,528037E+22	1,295746E+22	9,334868E+21	5,612135E+21	2,786912E+21	1,387461E+21	1,387372E+21	2,786611E+21	5,611659E+21
1079	9,334522E+21	1,295749E+22	1,528072E+22	1,528070E+22	1,295751E+22	9,334618E+21	5,611805E+21	2,786779E+21	1,387546E+21	1,387634E+21	2,787047E+21	5,612140E+21
1080	9,334735E+21	1,295723E+22	1,527997E+22	1,527955E+22	1,295660E+22	9,334406E+21	5,612013E+21	2,787069E+21	1,387769E+21	1,387772E+21	2,787079E+21	5,611995E+21
1081	9,334257E+21	1,295634E+22	1,527934E+22	1,527977E+22	1,295713E+22	9,334817E+21	5,612308E+21	2,787310E+21	1,387977E+21	1,387937E+21	2,787161E+21	5,612032E+21
1082	9,334486E+21	1,295679E+22	1,527952E+22	1,527952E+22	1,295667E+22	9,334339E+21	5,612010E+21	2,787217E+21	1,388043E+21	1,388149E+21	2,787529E+21	5,612406E+21
1083	9,334564E+21	1,295638E+22	1,527858E+22	1,527845E+22	1,295618E+22	9,334451E+21	5,612385E+21	2,787571E+21	1,388234E+21	1,388160E+21	2,787337E+21	5,612033E+21
1084	9,334120E+21	1,295617E+22	1,527897E+22	1,527913E+22	1,295660E+22	9,334585E+21	5,612345E+21	2,787527E+21	1,388263E+21	1,388253E+21	2,787493E+21	5,612298E+21
1085	9,334536E+21	1,295659E+22	1,527907E+22	1,527877E+22	1,295594E+22	9,334022E+21	5,612080E+21	2,787451E+21	1,388272E+21	1,388332E+21	2,787635E+21	5,612362E+21
1086	9,334322E+21	1,295598E+22	1,527833E+22	1,527860E+22	1,295639E+22	9,334546E+21	5,612441E+21	2,787641E+21	1,388308E+21	1,388212E+21	2,787352E+21	5,612015E+21
1087	9,334158E+21	1,295636E+22	1,527922E+22	1,527938E+22	1,295679E+22	9,334536E+21	5,612129E+21	2,787316E+21	1,388125E+21	1,388182E+21	2,787515E+21	5,612426E+21
1088	9,334719E+21	1,295677E+22	1,527918E+22	1,527882E+22	1,295606E+22	9,334199E+21	5,612084E+21	2,787261E+21	1,387994E+21	1,388003E+21	2,787292E+21	5,612165E+21
1089	9,334396E+21	1,295634E+22	1,527904E+22	1,527942E+22	1,295689E+22	9,334711E+21	5,612306E+21	2,787298E+21	1,387909E+21	1,387813E+21	2,786984E+21	5,611844E+21
1090	9,334439E+21	1,295710E+22	1,528005E+22	1,528001E+22	1,295702E+22	9,334445E+21	5,611877E+21	2,786936E+21	1,387701E+21	1,387776E+21	2,787160E+21	5,612167E+21
1091	9,334637E+21	1,295699E+22	1,527970E+22	1,527950E+22	1,295671E+22	9,334508E+21	5,612053E+21	2,787023E+21	1,387646E+21	1,387585E+21	2,786839E+21	5,611779E+21
1092	9,334219E+21	1,295667E+22	1,527994E+22	1,528034E+22	1,295748E+22	9,334898E+21	5,612120E+21	2,786954E+21	1,387576E+21	1,387540E+21	2,786842E+21	5,611943E+21
1093	9,334669E+21	1,295726E+22	1,528023E+22	1,528019E+22	1,295700E+22	9,334365E+21	5,611766E+21	2,786760E+21	1,387506E+21	1,387594E+21	2,787032E+21	5,612157E+21
1094	9,334707E+21	1,295693E+22	1,527949E+22	1,527959E+22	1,295702E+22	9,334713E+21	5,612131E+21	2,787014E+21	1,387603E+21	1,387521E+21	2,786767E+21	5,611762E+21
1095	9,334379E+21	1,295704E+22	1,528018E+22	1,528023E+22	1,295733E+22	9,334763E+21	5,612001E+21	2,786910E+21	1,387618E+21	1,387651E+21	2,787008E+21	5,612122E+21
1096	9,334833E+21	1,295739E+22	1,528014E+22	1,527962E+22	1,295637E+22	9,334141E+21	5,611860E+21	2,786971E+21	1,387721E+21	1,387774E+21	2,787124E+21	5,612086E+21
1097	9,334454E+21	1,295654E+22	1,527925E+22	1,527955E+22	1,295688E+22	9,334619E+21	5,612259E+21	2,787328E+21	1,387972E+21	1,387893E+21	2,787060E+21	5,611813E+21
1098	9,334179E+21	1,295666E+22	1,527961E+22	1,527974E+22	1,295695E+22	9,334491E+21	5,612027E+21	2,787226E+21	1,388069E+21	1,388170E+21	2,787535E+21	5,612390E+21
1099	9,334527E+21	1,295642E+22	1,527879E+22	1,527856E+22	1,295603E+22	9,334261E+21	5,612235E+21	2,787513E+21	1,388277E+21	1,388278E+21	2,787513E+21	5,612197E+21
1100	9,334098E+21	1,295573E+22	1,527825E+22	1,527864E+22	1,295643E+22	9,334662E+21	5,612561E+21	2,787769E+21	1,388472E+21	1,388418E+21	2,787579E+21	5,612229E+21
1101	9,334285E+21	1,295617E+22	1,527851E+22	1,527840E+22	1,295582E+22	9,334024E+21	5,612197E+21	2,787682E+21	1,388566E+21	1,388656E+21	2,787954E+21	5,612581E+21
1102	9,334363E+21	1,295578E+22	1,527768E+22	1,527752E+22	1,295548E+22	9,334187E+21	5,612548E+21	2,787999E+21	1,388744E+21	1,388669E+21	2,787761E+21	5,612169E+21
1103	9,333832E+21	1,295549E+22	1,527804E+22	1,527828E+22	1,295606E+22	9,334411E+21	5,612517E+21	2,787940E+21	1,388756E+21	1,388753E+21	2,787929E+21	5,612471E+21
1104	9,334325E+21	1,295602E+22	1,527821E+22	1,527791E+22	1,295534E+22	9,333794E+21	5,612192E+21	2,787790E+21	1,388696E+21	1,388774E+21	2,788044E+21	5,612601E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,334236E+21	1,295548E+22	1,527746E+22	1,527774E+22	1,295584E+22	9,334356E+21	5,612559E+21	2,787961E+21	1,388693E+21	1,388601E+21	2,787683E+21	5,612151E+21
1106	9,333988E+21	1,295585E+22	1,527839E+22	1,527853E+22	1,295625E+22	9,334392E+21	5,612305E+21	2,787658E+21	1,388505E+21	1,388557E+21	2,787829E+21	5,612549E+21
1107	9,334550E+21	1,295625E+22	1,527844E+22	1,527814E+22	1,295560E+22	9,334029E+21	5,612230E+21	2,787596E+21	1,388371E+21	1,388364E+21	2,787569E+21	5,612214E+21
1108	9,334158E+21	1,295587E+22	1,527835E+22	1,527871E+22	1,295641E+22	9,334572E+21	5,612489E+21	2,787656E+21	1,388297E+21	1,388191E+21	2,787314E+21	5,611962E+21
1109	9,334133E+21	1,295641E+22	1,527918E+22	1,527922E+22	1,295647E+22	9,334221E+21	5,612014E+21	2,787310E+21	1,388137E+21	1,388210E+21	2,787551E+21	5,612366E+21
1110	9,334449E+21	1,295635E+22	1,527874E+22	1,527861E+22	1,295619E+22	9,334368E+21	5,612215E+21	2,787380E+21	1,388083E+21	1,388036E+21	2,787245E+21	5,611987E+21
1111	9,334073E+21	1,295608E+22	1,527896E+22	1,527934E+22	1,295685E+22	9,334739E+21	5,612319E+21	2,787344E+21	1,388026E+21	1,387995E+21	2,787240E+21	5,612133E+21
1112	9,334587E+21	1,295687E+22	1,527942E+22	1,527920E+22	1,295623E+22	9,334048E+21	5,611882E+21	2,787124E+21	1,387941E+21	1,388034E+21	2,787412E+21	5,612347E+21
1113	9,334621E+21	1,295654E+22	1,527876E+22	1,527873E+22	1,295635E+22	9,334405E+21	5,612225E+21	2,787385E+21	1,388056E+21	1,387972E+21	2,787128E+21	5,611843E+21
1114	9,334074E+21	1,295642E+22	1,527937E+22	1,527945E+22	1,295677E+22	9,334547E+21	5,612172E+21	2,787332E+21	1,388110E+21	1,388143E+21	2,787428E+21	5,612263E+21
1115	9,334508E+21	1,295659E+22	1,527917E+22	1,527893E+22	1,295597E+22	9,334000E+21	5,612037E+21	2,787393E+21	1,388222E+21	1,388275E+21	2,787550E+21	5,612247E+21
1116	9,334168E+21	1,295580E+22	1,527818E+22	1,527857E+22	1,295636E+22	9,334559E+21	5,612527E+21	2,787778E+21	1,388470E+21	1,388393E+21	2,787521E+21	5,612053E+21
1117	9,333923E+21	1,295583E+22	1,527840E+22	1,527856E+22	1,295620E+22	9,334290E+21	5,612280E+21	2,787714E+21	1,388603E+21	1,388694E+21	2,787996E+21	5,612635E+21
1118	9,334392E+21	1,295579E+22	1,527767E+22	1,527738E+22	1,295528E+22	9,334060E+21	5,612466E+21	2,787980E+21	1,388810E+21	1,388805E+21	2,787956E+21	5,612375E+21
1119	9,333902E+21	1,295514E+22	1,527725E+22	1,527749E+22	1,295563E+22	9,334407E+21	5,612776E+21	2,788242E+21	1,389009E+21	1,388948E+21	2,788018E+21	5,612381E+21
1120	9,334076E+21	1,295564E+22	1,527768E+22	1,527744E+22	1,295504E+22	9,333653E+21	5,612301E+21	2,788091E+21	1,389064E+21	1,389163E+21	2,788404E+21	5,612803E+21
1121	9,334201E+21	1,295522E+22	1,527684E+22	1,527671E+22	1,295491E+22	9,333892E+21	5,612604E+21	2,788353E+21	1,389205E+21	1,389143E+21	2,788178E+21	5,612352E+21
1122	9,333600E+21	1,295481E+22	1,527709E+22	1,527740E+22	1,295554E+22	9,334256E+21	5,612676E+21	2,788303E+21	1,389192E+21	1,389201E+21	2,788336E+21	5,612697E+21
1123	9,334192E+21	1,295540E+22	1,527730E+22	1,527715E+22	1,295489E+22	9,333667E+21	5,612364E+21	2,788137E+21	1,389092E+21	1,389162E+21	2,788361E+21	5,612728E+21
1124	9,334106E+21	1,295507E+22	1,527671E+22	1,527690E+22	1,295531E+22	9,334237E+21	5,612767E+21	2,788323E+21	1,389074E+21	1,388967E+21	2,787985E+21	5,612243E+21
1125	9,333725E+21	1,295528E+22	1,527761E+22	1,527769E+22	1,295562E+22	9,334169E+21	5,612484E+21	2,788051E+21	1,388930E+21	1,388958E+21	2,788144E+21	5,612624E+21
1126	9,334279E+21	1,295567E+22	1,527766E+22	1,527738E+22	1,295511E+22	9,333869E+21	5,612389E+21	2,787965E+21	1,388805E+21	1,388795E+21	2,787921E+21	5,612300E+21
1127	9,333840E+21	1,295518E+22	1,527744E+22	1,527787E+22	1,295593E+22	9,334442E+21	5,612659E+21	2,788031E+21	1,388737E+21	1,388637E+21	2,787704E+21	5,612131E+21
1128	9,333950E+21	1,295583E+22	1,527827E+22	1,527830E+22	1,295585E+22	9,333985E+21	5,612125E+21	2,787638E+21	1,388542E+21	1,388632E+21	2,787950E+21	5,612628E+21
1129	9,334409E+21	1,295587E+22	1,527788E+22	1,527771E+22	1,295557E+22	9,334104E+21	5,612300E+21	2,787701E+21	1,388479E+21	1,388439E+21	2,787599E+21	5,612161E+21
1130	9,333946E+21	1,295559E+22	1,527815E+22	1,527844E+22	1,295624E+22	9,334520E+21	5,612469E+21	2,787709E+21	1,388447E+21	1,388417E+21	2,787604E+21	5,612297E+21
1131	9,334429E+21	1,295636E+22	1,527870E+22	1,527850E+22	1,295571E+22	9,333838E+21	5,612030E+21	2,787500E+21	1,388379E+21	1,388463E+21	2,787756E+21	5,612442E+21
1132	9,334378E+21	1,295602E+22	1,527804E+22	1,527798E+22	1,295585E+22	9,334250E+21	5,612425E+21	2,787802E+21	1,388523E+21	1,388441E+21	2,787544E+21	5,612002E+21
1133	9,333735E+21	1,295561E+22	1,527834E+22	1,527854E+22	1,295621E+22	9,334372E+21	5,612375E+21	2,787792E+21	1,388639E+21	1,388670E+21	2,787892E+21	5,612487E+21
1134	9,334285E+21	1,295581E+22	1,527800E+22	1,527782E+22	1,295539E+22	9,333906E+21	5,612281E+21	2,787853E+21	1,388760E+21	1,388820E+21	2,788029E+21	5,612476E+21
1135	9,333973E+21	1,295508E+22	1,527700E+22	1,527733E+22	1,295561E+22	9,334393E+21	5,612797E+21	2,788271E+21	1,389015E+21	1,388933E+21	2,787981E+21	5,612272E+21
1136	9,333806E+21	1,295529E+22	1,527738E+22	1,527736E+22	1,295529E+22	9,333918E+21	5,612427E+21	2,788158E+21	1,389122E+21	1,389211E+21	2,788438E+21	5,612847E+21
1137	9,334256E+21	1,295526E+22	1,527679E+22	1,527637E+22	1,295448E+22	9,333674E+21	5,612560E+21	2,788397E+21	1,389316E+21	1,389310E+21	2,788372E+21	5,612501E+21
1138	9,333607E+21	1,295447E+22	1,527637E+22	1,527662E+22	1,295500E+22	9,334126E+21	5,612908E+21	2,788657E+21	1,389508E+21	1,389454E+21	2,788463E+21	5,612566E+21
1139	9,333805E+21	1,295490E+22	1,527676E+22	1,527670E+22	1,295459E+22	9,333485E+21	5,612441E+21	2,788470E+21	1,389527E+21	1,389627E+21	2,788802E+21	5,612972E+21
1140	9,333996E+21	1,295461E+22	1,527595E+22	1,527585E+22	1,295444E+22	9,333822E+21	5,612823E+21	2,788734E+21	1,389630E+21	1,389572E+21	2,788567E+21	5,612545E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,333394E+21	1,295413E+22	1,527611E+22	1,527646E+22	1,295495E+22	9,334099E+21	5,612891E+21	2,788716E+21	1,389636E+21	1,389626E+21	2,788684E+21	5,612848E+21
1142	9,334047E+21	1,295487E+22	1,527641E+22	1,527621E+22	1,295436E+22	9,333564E+21	5,612574E+21	2,788531E+21	1,389530E+21	1,389584E+21	2,788689E+21	5,612803E+21
1143	9,333851E+21	1,295452E+22	1,527593E+22	1,527601E+22	1,295471E+22	9,334075E+21	5,612975E+21	2,788729E+21	1,389517E+21	1,389396E+21	2,788329E+21	5,612334E+21
1144	9,333482E+21	1,295471E+22	1,527684E+22	1,527688E+22	1,295499E+22	9,333869E+21	5,612572E+21	2,788397E+21	1,389349E+21	1,389386E+21	2,788527E+21	5,612808E+21
1145	9,334096E+21	1,295508E+22	1,527683E+22	1,527660E+22	1,295461E+22	9,333622E+21	5,612439E+21	2,788271E+21	1,389203E+21	1,389213E+21	2,788306E+21	5,612501E+21
1146	9,333677E+21	1,295457E+22	1,527653E+22	1,527697E+22	1,295538E+22	9,334264E+21	5,612782E+21	2,788350E+21	1,389128E+21	1,389050E+21	2,788099E+21	5,612387E+21
1147	9,333901E+21	1,295531E+22	1,527744E+22	1,527750E+22	1,295532E+22	9,333797E+21	5,612256E+21	2,787962E+21	1,388920E+21	1,389010E+21	2,788269E+21	5,612788E+21
1148	9,334358E+21	1,295555E+22	1,527724E+22	1,527690E+22	1,295500E+22	9,333921E+21	5,612459E+21	2,788049E+21	1,388868E+21	1,388826E+21	2,787927E+21	5,612279E+21
1149	9,333718E+21	1,295504E+22	1,527740E+22	1,527764E+22	1,295563E+22	9,334282E+21	5,612635E+21	2,788122E+21	1,388909E+21	1,388862E+21	2,787959E+21	5,612396E+21
1150	9,334163E+21	1,295573E+22	1,527786E+22	1,527771E+22	1,295527E+22	9,333731E+21	5,612223E+21	2,787924E+21	1,388876E+21	1,388957E+21	2,788162E+21	5,612552E+21
1151	9,334037E+21	1,295525E+22	1,527704E+22	1,527703E+22	1,295531E+22	9,334153E+21	5,612669E+21	2,788263E+21	1,389048E+21	1,388965E+21	2,787994E+21	5,612196E+21
1152	9,333513E+21	1,295486E+22	1,527721E+22	1,527742E+22	1,295549E+22	9,334149E+21	5,612566E+21	2,788227E+21	1,389147E+21	1,389187E+21	2,788356E+21	5,612744E+21
1153	9,334168E+21	1,295518E+22	1,527693E+22	1,527671E+22	1,295465E+22	9,333619E+21	5,612426E+21	2,788278E+21	1,389259E+21	1,389322E+21	2,788461E+21	5,612668E+21
1154	9,333792E+21	1,295446E+22	1,527598E+22	1,527619E+22	1,295481E+22	9,334102E+21	5,612967E+21	2,788712E+21	1,389526E+21	1,389444E+21	2,788423E+21	5,612469E+21
1155	9,333611E+21	1,295466E+22	1,527651E+22	1,527647E+22	1,295460E+22	9,333629E+21	5,612577E+21	2,788585E+21	1,389622E+21	1,389702E+21	2,788843E+21	5,612987E+21
1156	9,334022E+21	1,295468E+22	1,527599E+22	1,527554E+22	1,295389E+22	9,333441E+21	5,612716E+21	2,788817E+21	1,389808E+21	1,389809E+21	2,788820E+21	5,612686E+21
1157	9,333301E+21	1,295367E+22	1,527534E+22	1,527572E+22	1,295443E+22	9,333934E+21	5,613080E+21	2,789096E+21	1,390024E+21	1,389968E+21	2,788914E+21	5,612792E+21
1158	9,333630E+21	1,295421E+22	1,527568E+22	1,527568E+22	1,295409E+22	9,333437E+21	5,612674E+21	2,788896E+21	1,390021E+21	1,390123E+21	2,789222E+21	5,613152E+21
1159	9,333811E+21	1,295400E+22	1,527497E+22	1,527480E+22	1,295380E+22	9,333705E+21	5,613076E+21	2,789175E+21	1,390110E+21	1,390038E+21	2,788943E+21	5,612695E+21
1160	9,333263E+21	1,295363E+22	1,527524E+22	1,527547E+22	1,295421E+22	9,333817E+21	5,613032E+21	2,789103E+21	1,390081E+21	1,390062E+21	2,789041E+21	5,612975E+21
1161	9,333864E+21	1,295436E+22	1,527565E+22	1,527540E+22	1,295374E+22	9,333265E+21	5,612658E+21	2,788881E+21	1,389951E+21	1,390004E+21	2,789035E+21	5,612889E+21
1162	9,333548E+21	1,295386E+22	1,527512E+22	1,527524E+22	1,295417E+22	9,333856E+21	5,613081E+21	2,789066E+21	1,389928E+21	1,389821E+21	2,788720E+21	5,612519E+21
1163	9,333262E+21	1,295402E+22	1,527599E+22	1,527617E+22	1,295455E+22	9,333722E+21	5,612682E+21	2,788701E+21	1,389724E+21	1,389771E+21	2,788876E+21	5,612995E+21
1164	9,333988E+21	1,295458E+22	1,527604E+22	1,527579E+22	1,295411E+22	9,333508E+21	5,612598E+21	2,788579E+21	1,389558E+21	1,389582E+21	2,788659E+21	5,612703E+21
1165	9,333570E+21	1,295404E+22	1,527568E+22	1,527610E+22	1,295479E+22	9,334066E+21	5,612933E+21	2,788708E+21	1,389528E+21	1,389438E+21	2,788424E+21	5,612548E+21
1166	9,333835E+21	1,295492E+22	1,527668E+22	1,527661E+22	1,295478E+22	9,333687E+21	5,612441E+21	2,788340E+21	1,389349E+21	1,389424E+21	2,788589E+21	5,612857E+21
1167	9,334125E+21	1,295506E+22	1,527657E+22	1,527612E+22	1,295443E+22	9,333761E+21	5,612667E+21	2,788470E+21	1,389335E+21	1,389277E+21	2,788284E+21	5,612378E+21
1168	9,333483E+21	1,295444E+22	1,527658E+22	1,527685E+22	1,295503E+22	9,334010E+21	5,612748E+21	2,788514E+21	1,389386E+21	1,389343E+21	2,788375E+21	5,612566E+21
1169	9,333918E+21	1,295502E+22	1,527688E+22	1,527682E+22	1,295472E+22	9,333523E+21	5,612347E+21	2,788313E+21	1,389356E+21	1,389451E+21	2,788601E+21	5,612749E+21
1170	9,333801E+21	1,295449E+22	1,527594E+22	1,527596E+22	1,295465E+22	9,333982E+21	5,612868E+21	2,788681E+21	1,389537E+21	1,389471E+21	2,788461E+21	5,612458E+21
1171	9,333380E+21	1,295419E+22	1,527617E+22	1,527638E+22	1,295478E+22	9,333919E+21	5,612749E+21	2,788649E+21	1,389630E+21	1,389664E+21	2,788755E+21	5,612915E+21
1172	9,334028E+21	1,295468E+22	1,527607E+22	1,527569E+22	1,295391E+22	9,333370E+21	5,612609E+21	2,788710E+21	1,389751E+21	1,389813E+21	2,788882E+21	5,612815E+21
1173	9,333517E+21	1,295376E+22	1,527505E+22	1,527523E+22	1,295408E+22	9,333793E+21	5,613122E+21	2,789178E+21	1,390066E+21	1,389971E+21	2,788859E+21	5,612625E+21
1174	9,333352E+21	1,295395E+22	1,527549E+22	1,527552E+22	1,295407E+22	9,333489E+21	5,612768E+21	2,789042E+21	1,390166E+21	1,390245E+21	2,789300E+21	5,613145E+21
1175	9,333715E+21	1,295391E+22	1,527497E+22	1,527458E+22	1,295333E+22	9,333338E+21	5,612958E+21	2,789279E+21	1,390338E+21	1,390338E+21	2,789275E+21	5,612908E+21
1176	9,333147E+21	1,295299E+22	1,527427E+22	1,527466E+22	1,295375E+22	9,333717E+21	5,613257E+21	2,789510E+21	1,390511E+21	1,390460E+21	2,789347E+21	5,613018E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,333523E+21	1,295366E+22	1,527473E+22	1,527469E+22	1,295344E+22	9,333215E+21	5,612830E+21	2,789290E+21	1,390476E+21	1,390575E+21	2,789600E+21	5,613294E+21
1178	9,333617E+21	1,295344E+22	1,527411E+22	1,527384E+22	1,295313E+22	9,333495E+21	5,613247E+21	2,789560E+21	1,390550E+21	1,390480E+21	2,789325E+21	5,612847E+21
1179	9,333049E+21	1,295304E+22	1,527447E+22	1,527473E+22	1,295363E+22	9,333584E+21	5,613162E+21	2,789457E+21	1,390493E+21	1,390469E+21	2,789380E+21	5,613082E+21
1180	9,333636E+21	1,295381E+22	1,527492E+22	1,527471E+22	1,295326E+22	9,333079E+21	5,612774E+21	2,789209E+21	1,390344E+21	1,390412E+21	2,789416E+21	5,613059E+21
1181	9,333309E+21	1,295316E+22	1,527417E+22	1,527441E+22	1,295364E+22	9,333676E+21	5,613208E+21	2,789411E+21	1,390340E+21	1,390236E+21	2,789097E+21	5,612743E+21
1182	9,333194E+21	1,295351E+22	1,527505E+22	1,527523E+22	1,295405E+22	9,333658E+21	5,612871E+21	2,789053E+21	1,390130E+21	1,390175E+21	2,789220E+21	5,613154E+21
1183	9,333888E+21	1,295415E+22	1,527528E+22	1,527492E+22	1,295349E+22	9,333347E+21	5,612794E+21	2,788959E+21	1,389974E+21	1,389980E+21	2,788971E+21	5,612827E+21
1184	9,333482E+21	1,295366E+22	1,527498E+22	1,527527E+22	1,295410E+22	9,333773E+21	5,613036E+21	2,789059E+21	1,389946E+21	1,389848E+21	2,788751E+21	5,612640E+21
1185	9,333631E+21	1,295445E+22	1,527602E+22	1,527593E+22	1,295425E+22	9,333430E+21	5,612534E+21	2,788694E+21	1,389777E+21	1,389852E+21	2,788936E+21	5,612921E+21
1186	9,333783E+21	1,295436E+22	1,527571E+22	1,527537E+22	1,295393E+22	9,333592E+21	5,612807E+21	2,788842E+21	1,389787E+21	1,389746E+21	2,788708E+21	5,612558E+21
1187	9,333205E+21	1,295365E+22	1,527559E+22	1,527602E+22	1,295454E+22	9,333893E+21	5,612925E+21	2,788890E+21	1,389831E+21	1,389797E+21	2,788776E+21	5,612750E+21
1188	9,333728E+21	1,295437E+22	1,527590E+22	1,527587E+22	1,295413E+22	9,333386E+21	5,612556E+21	2,788710E+21	1,389809E+21	1,389915E+21	2,789026E+21	5,612952E+21
1189	9,333605E+21	1,295379E+22	1,527485E+22	1,527487E+22	1,295390E+22	9,333744E+21	5,613066E+21	2,789134E+21	1,390044E+21	1,389966E+21	2,788883E+21	5,612655E+21
1190	9,333252E+21	1,295364E+22	1,527515E+22	1,527525E+22	1,295407E+22	9,333751E+21	5,612970E+21	2,789115E+21	1,390162E+21	1,390185E+21	2,789180E+21	5,613044E+21
1191	9,333762E+21	1,295406E+22	1,527517E+22	1,527472E+22	1,295319E+22	9,333128E+21	5,612824E+21	2,789197E+21	1,390305E+21	1,390357E+21	2,789337E+21	5,613000E+21
1192	9,333310E+21	1,295309E+22	1,527404E+22	1,527427E+22	1,295339E+22	9,333480E+21	5,613230E+21	2,789606E+21	1,390604E+21	1,390524E+21	2,789354E+21	5,612873E+21
1193	9,333176E+21	1,295326E+22	1,527445E+22	1,527454E+22	1,295345E+22	9,333269E+21	5,612911E+21	2,789455E+21	1,390676E+21	1,390772E+21	2,789772E+21	5,613380E+21
1194	9,333537E+21	1,295322E+22	1,527390E+22	1,527354E+22	1,295266E+22	9,333165E+21	5,613162E+21	2,789698E+21	1,390827E+21	1,390841E+21	2,789730E+21	5,613154E+21
1195	9,333023E+21	1,295241E+22	1,527336E+22	1,527372E+22	1,295308E+22	9,333506E+21	5,613438E+21	2,789909E+21	1,390961E+21	1,390901E+21	2,789705E+21	5,613138E+21
1196	9,333338E+21	1,295318E+22	1,527399E+22	1,527384E+22	1,295281E+22	9,333013E+21	5,613008E+21	2,789675E+21	1,390910E+21	1,391005E+21	2,789957E+21	5,613374E+21
1197	9,333293E+21	1,295276E+22	1,527325E+22	1,527306E+22	1,295253E+22	9,333261E+21	5,613401E+21	2,789962E+21	1,391006E+21	1,390924E+21	2,789696E+21	5,612972E+21
1198	9,332799E+21	1,295238E+22	1,527350E+22	1,527385E+22	1,295317E+22	9,333499E+21	5,613340E+21	2,789839E+21	1,390940E+21	1,390913E+21	2,789756E+21	5,613210E+21
1199	9,333367E+21	1,295314E+22	1,527399E+22	1,527385E+22	1,295275E+22	9,332989E+21	5,612986E+21	2,789592E+21	1,390773E+21	1,390835E+21	2,789784E+21	5,613268E+21
1200	9,333242E+21	1,295264E+22	1,527326E+22	1,527350E+22	1,295300E+22	9,333421E+21	5,613309E+21	2,789735E+21	1,390735E+21	1,390636E+21	2,789451E+21	5,612941E+21
1201	9,333149E+21	1,295313E+22	1,527429E+22	1,527438E+22	1,295343E+22	9,333403E+21	5,612977E+21	2,789381E+21	1,390515E+21	1,390558E+21	2,789536E+21	5,613263E+21
1202	9,333715E+21	1,295371E+22	1,527461E+22	1,527417E+22	1,295291E+22	9,333140E+21	5,612929E+21	2,789296E+21	1,390369E+21	1,390381E+21	2,789315E+21	5,612946E+21
1203	9,333253E+21	1,295314E+22	1,527434E+22	1,527466E+22	1,295360E+22	9,333556E+21	5,613151E+21	2,789392E+21	1,390344E+21	1,390247E+21	2,789083E+21	5,612726E+21
1204	9,333350E+21	1,295385E+22	1,527527E+22	1,527527E+22	1,295383E+22	9,333305E+21	5,612679E+21	2,789034E+21	1,390193E+21	1,390285E+21	2,789328E+21	5,613069E+21
1205	9,333487E+21	1,295357E+22	1,527465E+22	1,527447E+22	1,295340E+22	9,333463E+21	5,612995E+21	2,789238E+21	1,390251E+21	1,390215E+21	2,789132E+21	5,612793E+21
1206	9,333092E+21	1,295302E+22	1,527442E+22	1,527488E+22	1,295393E+22	9,333817E+21	5,613171E+21	2,789324E+21	1,390319E+21	1,390280E+21	2,789188E+21	5,612928E+21
1207	9,333557E+21	1,295379E+22	1,527491E+22	1,527479E+22	1,295338E+22	9,333185E+21	5,612800E+21	2,789181E+21	1,390322E+21	1,390409E+21	2,789432E+21	5,613139E+21
1208	9,333487E+21	1,295326E+22	1,527391E+22	1,527382E+22	1,295305E+22	9,333358E+21	5,613178E+21	2,789562E+21	1,390563E+21	1,390486E+21	2,789322E+21	5,612827E+21
1209	9,333048E+21	1,295307E+22	1,527429E+22	1,527434E+22	1,295334E+22	9,333408E+21	5,613087E+21	2,789545E+21	1,390683E+21	1,390714E+21	2,789636E+21	5,613204E+21
1210	9,333458E+21	1,295332E+22	1,527418E+22	1,527381E+22	1,295258E+22	9,332915E+21	5,612979E+21	2,789619E+21	1,390825E+21	1,390898E+21	2,789833E+21	5,613244E+21
1211	9,333075E+21	1,295236E+22	1,527304E+22	1,527335E+22	1,295280E+22	9,333320E+21	5,613414E+21	2,790010E+21	1,391087E+21	1,391017E+21	2,789789E+21	5,613082E+21
1212	9,333014E+21	1,295267E+22	1,527351E+22	1,527360E+22	1,295286E+22	9,333137E+21	5,613133E+21	2,789868E+21	1,391145E+21	1,391246E+21	2,790184E+21	5,613545E+21

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°
1213	9,333318E+21	1,295255E+22	1,527286E+22	1,527254E+22	1,295200E+22	9,332979E+21	5,613389E+21	2,790153E+21	1,391323E+21	1,391317E+21	2,790119E+21	5,613302E+21
1214	9,332840E+21	1,295185E+22	1,527237E+22	1,527271E+22	1,295248E+22	9,333390E+21	5,613681E+21	2,790364E+21	1,391459E+21	1,391378E+21	2,790081E+21	5,613213E+21
1215	9,332995E+21	1,295251E+22	1,527314E+22	1,527301E+22	1,295220E+22	9,332810E+21	5,613218E+21	2,790124E+21	1,391404E+21	1,391479E+21	2,790349E+21	5,613528E+21
1216	9,333056E+21	1,295205E+22	1,527225E+22	1,527215E+22	1,295190E+22	9,332969E+21	5,613484E+21	2,790325E+21	1,391466E+21	1,391396E+21	2,790126E+21	5,613202E+21
1217	9,332657E+21	1,295179E+22	1,527254E+22	1,527292E+22	1,295256E+22	9,333273E+21	5,613457E+21	2,790176E+21	1,391355E+21	1,391346E+21	2,790155E+21	5,613431E+21
1218	9,333256E+21	1,295261E+22	1,527309E+22	1,527291E+22	1,295211E+22	9,332786E+21	5,613125E+21	2,789923E+21	1,391167E+21	1,391243E+21	2,790157E+21	5,613480E+21
1219	9,333168E+21	1,295227E+22	1,527260E+22	1,527273E+22	1,295240E+22	9,333183E+21	5,613413E+21	2,790042E+21	1,391099E+21	1,390998E+21	2,789743E+21	5,613039E+21
1220	9,333007E+21	1,295278E+22	1,527375E+22	1,527376E+22	1,295293E+22	9,333203E+21	5,613096E+21	2,789692E+21	1,390886E+21	1,390931E+21	2,789839E+21	5,613309E+21
1221	9,333389E+21	1,295307E+22	1,527384E+22	1,527355E+22	1,295247E+22	9,332960E+21	5,613072E+21	2,789655E+21	1,390787E+21	1,390792E+21	2,789659E+21	5,613058E+21
1222	9,332991E+21	1,295248E+22	1,527337E+22	1,527384E+22	1,295324E+22	9,333537E+21	5,613361E+21	2,789775E+21	1,390786E+21	1,390687E+21	2,789459E+21	5,612851E+21
1223	9,333038E+21	1,295312E+22	1,527427E+22	1,527437E+22	1,295331E+22	9,333237E+21	5,612940E+21	2,789457E+21	1,390652E+21	1,390734E+21	2,789715E+21	5,613281E+21
1224	9,333374E+21	1,295295E+22	1,527357E+22	1,527340E+22	1,295268E+22	9,333197E+21	5,613149E+21	2,789636E+21	1,390718E+21	1,390687E+21	2,789552E+21	5,613022E+21
1225	9,333019E+21	1,295256E+22	1,527349E+22	1,527380E+22	1,295314E+22	9,333511E+21	5,613327E+21	2,789738E+21	1,390795E+21	1,390759E+21	2,789600E+21	5,613098E+21
1226	9,333366E+21	1,295325E+22	1,527404E+22	1,527381E+22	1,295262E+22	9,332891E+21	5,612955E+21	2,789603E+21	1,390822E+21	1,390918E+21	2,789883E+21	5,613335E+21
1227	9,333259E+21	1,295268E+22	1,527314E+22	1,527302E+22	1,295240E+22	9,333042E+21	5,613280E+21	2,789956E+21	1,391053E+21	1,390986E+21	2,789758E+21	5,613007E+21
1228	9,332811E+21	1,295243E+22	1,527341E+22	1,527354E+22	1,295282E+22	9,333215E+21	5,613233E+21	2,789940E+21	1,391176E+21	1,391227E+21	2,790098E+21	5,613404E+21
1229	9,333188E+21	1,295252E+22	1,527307E+22	1,527285E+22	1,295202E+22	9,332780E+21	5,613205E+21	2,790068E+21	1,391343E+21	1,391417E+21	2,790291E+21	5,613484E+21
1230	9,332947E+21	1,295174E+22	1,527190E+22	1,527222E+22	1,295220E+22	9,333245E+21	5,613697E+21	2,790491E+21	1,391614E+21	1,391527E+21	2,790203E+21	5,613217E+21
1231	9,332748E+21	1,295202E+22	1,527253E+22	1,527257E+22	1,295217E+22	9,332978E+21	5,613422E+21	2,790374E+21	1,391677E+21	1,391743E+21	2,790569E+21	5,613675E+21
1232	9,333097E+21	1,295191E+22	1,527189E+22	1,527154E+22	1,295125E+22	9,332651E+21	5,613529E+21	2,790589E+21	1,391837E+21	1,391825E+21	2,790542E+21	5,613443E+21
1233	9,332575E+21	1,295120E+22	1,527141E+22	1,527176E+22	1,295180E+22	9,333085E+21	5,613808E+21	2,790769E+21	1,391943E+21	1,391870E+21	2,790513E+21	5,613378E+21
1234	9,332690E+21	1,295175E+22	1,527210E+22	1,527207E+22	1,295162E+22	9,332615E+21	5,613357E+21	2,790491E+21	1,391854E+21	1,391950E+21	2,790794E+21	5,613779E+21
1235	9,332887E+21	1,295144E+22	1,527138E+22	1,527128E+22	1,295131E+22	9,332750E+21	5,613592E+21	2,790635E+21	1,391851E+21	1,391797E+21	2,790493E+21	5,613417E+21
1236	9,332595E+21	1,295138E+22	1,527181E+22	1,527212E+22	1,295200E+22	9,333077E+21	5,613582E+21	2,790481E+21	1,391718E+21	1,391718E+21	2,790478E+21	5,613570E+21
1237	9,333113E+21	1,295215E+22	1,527233E+22	1,527213E+22	1,295159E+22	9,332612E+21	5,613281E+21	2,790268E+21	1,391554E+21	1,391616E+21	2,790459E+21	5,613591E+21
1238	9,333032E+21	1,295188E+22	1,527188E+22	1,527197E+22	1,295196E+22	9,333085E+21	5,613602E+21	2,790408E+21	1,391505E+21	1,391387E+21	2,790043E+21	5,613077E+21
1239	9,332679E+21	1,295219E+22	1,527306E+22	1,527314E+22	1,295251E+22	9,333080E+21	5,613299E+21	2,790088E+21	1,391317E+21	1,391339E+21	2,790170E+21	5,613434E+21
1240	9,333151E+21	1,295238E+22	1,527289E+22	1,527272E+22	1,295197E+22	9,332751E+21	5,613184E+21	2,790007E+21	1,391223E+21	1,391241E+21	2,790066E+21	5,613272E+21
1241	9,332840E+21	1,295188E+22	1,527238E+22	1,527283E+22	1,295260E+22	9,333340E+21	5,613534E+21	2,790148E+21	1,391220E+21	1,391138E+21	2,789873E+21	5,613074E+21
1242	9,332894E+21	1,295252E+22	1,527327E+22	1,527331E+22	1,295260E+22	9,333012E+21	5,613118E+21	2,789850E+21	1,391103E+21	1,391194E+21	2,790131E+21	5,613500E+21
1243	9,333248E+21	1,295249E+22	1,527280E+22	1,527246E+22	1,295194E+22	9,332877E+21	5,613261E+21	2,790008E+21	1,391163E+21	1,391134E+21	2,789927E+21	5,613169E+21
1244	9,332850E+21	1,295212E+22	1,527282E+22	1,527301E+22	1,295249E+22	9,333208E+21	5,613440E+21	2,790118E+21	1,391261E+21	1,391233E+21	2,789997E+21	5,613209E+21
1245	9,333045E+21	1,295253E+22	1,527311E+22	1,527298E+22	1,295207E+22	9,332670E+21	5,613116E+21	2,790035E+21	1,391333E+21	1,391427E+21	2,790322E+21	5,613517E+21
1246	9,333012E+21	1,295196E+22	1,527205E+22	1,527207E+22	1,295195E+22	9,332988E+21	5,613518E+21	2,790410E+21	1,391578E+21	1,391509E+21	2,790203E+21	5,613179E+21
1247	9,332516E+21	1,295166E+22	1,527234E+22	1,527257E+22	1,295226E+22	9,333121E+21	5,613526E+21	2,790433E+21	1,391709E+21	1,391740E+21	2,790527E+21	5,613622E+21
1248	9,333027E+21	1,295180E+22	1,527189E+22	1,527171E+22	1,295129E+22	9,332531E+21	5,613406E+21	2,790536E+21	1,391878E+21	1,391948E+21	2,790742E+21	5,613687E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,332783E+21	1,295117E+22	1,527089E+22	1,527107E+22	1,295140E+22	9,332990E+21	5,613913E+21	2,790955E+21	1,392135E+21	1,392047E+21	2,790643E+21	5,613375E+21
1250	9,332465E+21	1,295133E+22	1,527156E+22	1,527154E+22	1,295141E+22	9,332702E+21	5,613604E+21	2,790821E+21	1,392195E+21	1,392265E+21	2,791025E+21	5,613854E+21
1251	9,332812E+21	1,295124E+22	1,527102E+22	1,527065E+22	1,295059E+22	9,332339E+21	5,613621E+21	2,790967E+21	1,392307E+21	1,392308E+21	2,790975E+21	5,613653E+21
1252	9,332385E+21	1,295058E+22	1,527052E+22	1,527089E+22	1,295124E+22	9,332858E+21	5,613903E+21	2,791104E+21	1,392375E+21	1,392326E+21	2,790933E+21	5,613597E+21
1253	9,332523E+21	1,295108E+22	1,527108E+22	1,527111E+22	1,295104E+22	9,332452E+21	5,613524E+21	2,790854E+21	1,392276E+21	1,392375E+21	2,791175E+21	5,614013E+21
1254	9,332863E+21	1,295102E+22	1,527049E+22	1,527034E+22	1,295078E+22	9,332639E+21	5,613788E+21	2,791005E+21	1,392261E+21	1,392191E+21	2,790804E+21	5,613519E+21
1255	9,332421E+21	1,295096E+22	1,527118E+22	1,527138E+22	1,295146E+22	9,332916E+21	5,613788E+21	2,790874E+21	1,392133E+21	1,392096E+21	2,790757E+21	5,613649E+21
1256	9,332919E+21	1,295163E+22	1,527161E+22	1,527141E+22	1,295106E+22	9,332361E+21	5,613390E+21	2,790622E+21	1,391973E+21	1,392028E+21	2,790789E+21	5,613671E+21
1257	9,332767E+21	1,295132E+22	1,527114E+22	1,527122E+22	1,295146E+22	9,332897E+21	5,613743E+21	2,790760E+21	1,391919E+21	1,391811E+21	2,790413E+21	5,613204E+21
1258	9,332361E+21	1,295143E+22	1,527211E+22	1,527230E+22	1,295204E+22	9,332968E+21	5,613470E+21	2,790445E+21	1,391737E+21	1,391774E+21	2,790569E+21	5,613630E+21
1259	9,332949E+21	1,295177E+22	1,527203E+22	1,527183E+22	1,295139E+22	9,332556E+21	5,613314E+21	2,790337E+21	1,391616E+21	1,391647E+21	2,790435E+21	5,613483E+21
1260	9,332765E+21	1,295142E+22	1,527157E+22	1,527191E+22	1,295197E+22	9,333106E+21	5,613662E+21	2,790490E+21	1,391627E+21	1,391553E+21	2,790231E+21	5,613232E+21
1261	9,332735E+21	1,295197E+22	1,527240E+22	1,527238E+22	1,295197E+22	9,332796E+21	5,613292E+21	2,790250E+21	1,391554E+21	1,391636E+21	2,790505E+21	5,613664E+21
1262	9,333104E+21	1,295200E+22	1,527199E+22	1,527159E+22	1,295138E+22	9,332682E+21	5,613437E+21	2,790430E+21	1,391648E+21	1,391609E+21	2,790315E+21	5,613275E+21
1263	9,332528E+21	1,295144E+22	1,527199E+22	1,527225E+22	1,295198E+22	9,333022E+21	5,613635E+21	2,790572E+21	1,391778E+21	1,391732E+21	2,790419E+21	5,613407E+21
1264	9,332818E+21	1,295175E+22	1,527200E+22	1,527199E+22	1,295151E+22	9,332465E+21	5,613266E+21	2,790459E+21	1,391857E+21	1,391966E+21	2,790801E+21	5,613767E+21
1265	9,332862E+21	1,295130E+22	1,527096E+22	1,527090E+22	1,295122E+22	9,332793E+21	5,613747E+21	2,790864E+21	1,392100E+21	1,392044E+21	2,790679E+21	5,613414E+21
1266	9,332330E+21	1,295095E+22	1,527123E+22	1,527141E+22	1,295150E+22	9,332910E+21	5,613763E+21	2,790910E+21	1,392242E+21	1,392270E+21	2,790980E+21	5,613811E+21
1267	9,332818E+21	1,295124E+22	1,527102E+22	1,527067E+22	1,295052E+22	9,332219E+21	5,613553E+21	2,790966E+21	1,392382E+21	1,392450E+21	2,791159E+21	5,613835E+21
1268	9,332547E+21	1,295058E+22	1,527007E+22	1,527016E+22	1,295071E+22	9,332685E+21	5,614035E+21	2,791360E+21	1,392626E+21	1,392547E+21	2,791066E+21	5,613505E+21
1269	9,332129E+21	1,295051E+22	1,527051E+22	1,527061E+22	1,295084E+22	9,332498E+21	5,613765E+21	2,791239E+21	1,392686E+21	1,392757E+21	2,791461E+21	5,614061E+21
1270	9,332609E+21	1,295054E+22	1,526994E+22	1,526967E+22	1,295010E+22	9,332240E+21	5,613819E+21	2,791368E+21	1,392774E+21	1,392774E+21	2,791377E+21	5,613834E+21
1271	9,332186E+21	1,294994E+22	1,526961E+22	1,527001E+22	1,295068E+22	9,332719E+21	5,614124E+21	2,791518E+21	1,392822E+21	1,392749E+21	2,791289E+21	5,613804E+21
1272	9,332456E+21	1,295055E+22	1,527015E+22	1,527015E+22	1,295042E+22	9,332223E+21	5,613667E+21	2,791233E+21	1,392713E+21	1,392802E+21	2,791528E+21	5,614165E+21
1273	9,332757E+21	1,295063E+22	1,526981E+22	1,526947E+22	1,295013E+22	9,332424E+21	5,613959E+21	2,791378E+21	1,392680E+21	1,392609E+21	2,791147E+21	5,613619E+21
1274	9,332165E+21	1,295039E+22	1,527047E+22	1,527066E+22	1,295092E+22	9,332712E+21	5,613939E+21	2,791245E+21	1,392559E+21	1,392521E+21	2,791115E+21	5,613748E+21
1275	9,332621E+21	1,295104E+22	1,527091E+22	1,527074E+22	1,295060E+22	9,332150E+21	5,613467E+21	2,790936E+21	1,392368E+21	1,392436E+21	2,791151E+21	5,613830E+21
1276	9,332563E+21	1,295072E+22	1,527034E+22	1,527045E+22	1,295100E+22	9,332748E+21	5,613846E+21	2,791059E+21	1,392304E+21	1,392220E+21	2,790788E+21	5,613394E+21
1277	9,332191E+21	1,295075E+22	1,527107E+22	1,527132E+22	1,295147E+22	9,332837E+21	5,613655E+21	2,790805E+21	1,392144E+21	1,392183E+21	2,790935E+21	5,613841E+21
1278	9,332892E+21	1,295129E+22	1,527110E+22	1,527086E+22	1,295082E+22	9,332414E+21	5,613508E+21	2,790726E+21	1,392046E+21	1,392063E+21	2,790771E+21	5,613604E+21
1279	9,332592E+21	1,295095E+22	1,527087E+22	1,527111E+22	1,295134E+22	9,332869E+21	5,613833E+21	2,790904E+21	1,392084E+21	1,391982E+21	2,790574E+21	5,613367E+21
1280	9,332544E+21	1,295136E+22	1,527153E+22	1,527150E+22	1,295132E+22	9,332490E+21	5,613399E+21	2,790652E+21	1,392042E+21	1,392124E+21	2,790917E+21	5,613815E+21
1281	9,332868E+21	1,295137E+22	1,527111E+22	1,527069E+22	1,295077E+22	9,332473E+21	5,613599E+21	2,790836E+21	1,392139E+21	1,392119E+21	2,790769E+21	5,613469E+21
1282	9,332251E+21	1,295065E+22	1,527093E+22	1,527126E+22	1,295139E+22	9,332879E+21	5,613836E+21	2,790999E+21	1,392282E+21	1,392250E+21	2,790881E+21	5,613620E+21
1283	9,332613E+21	1,295110E+22	1,527103E+22	1,527096E+22	1,295085E+22	9,332259E+21	5,613439E+21	2,790872E+21	1,392343E+21	1,392459E+21	2,791230E+21	5,613977E+21
1284	9,332732E+21	1,295075E+22	1,527005E+22	1,526988E+22	1,295052E+22	9,332566E+21	5,613919E+21	2,791285E+21	1,392593E+21	1,392541E+21	2,791093E+21	5,613566E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,332094E+21	1,295025E+22	1,527020E+22	1,527035E+22	1,295080E+22	9,332703E+21	5,613985E+21	2,791379E+21	1,392762E+21	1,392777E+21	2,791402E+21	5,613964E+21
1286	9,332580E+21	1,295057E+22	1,527004E+22	1,526973E+22	1,294991E+22	9,332020E+21	5,613762E+21	2,791436E+21	1,392911E+21	1,392965E+21	2,791586E+21	5,613967E+21
1287	9,332217E+21	1,294981E+22	1,526913E+22	1,526930E+22	1,295013E+22	9,332477E+21	5,614219E+21	2,791814E+21	1,393146E+21	1,393051E+21	2,791508E+21	5,613743E+21
1288	9,331942E+21	1,294973E+22	1,526935E+22	1,526954E+22	1,295018E+22	9,332279E+21	5,613916E+21	2,791650E+21	1,393186E+21	1,393267E+21	2,791920E+21	5,614319E+21
1289	9,332530E+21	1,295000E+22	1,526897E+22	1,526859E+22	1,294936E+22	9,332032E+21	5,614015E+21	2,791770E+21	1,393238E+21	1,393248E+21	2,791796E+21	5,614045E+21
1290	9,332064E+21	1,294942E+22	1,526874E+22	1,526906E+22	1,295002E+22	9,332502E+21	5,614296E+21	2,791917E+21	1,393276E+21	1,393197E+21	2,791657E+21	5,613929E+21
1291	9,332283E+21	1,295015E+22	1,526954E+22	1,526938E+22	1,294982E+22	9,331968E+21	5,613766E+21	2,791576E+21	1,393126E+21	1,393212E+21	2,791858E+21	5,614253E+21
1292	9,332531E+21	1,295014E+22	1,526920E+22	1,526885E+22	1,294965E+22	9,332207E+21	5,614042E+21	2,791696E+21	1,393078E+21	1,393014E+21	2,791483E+21	5,613699E+21
1293	9,331841E+21	1,294964E+22	1,526955E+22	1,526993E+22	1,295054E+22	9,332626E+21	5,614102E+21	2,791589E+21	1,392959E+21	1,392924E+21	2,791471E+21	5,613904E+21
1294	9,332411E+21	1,295036E+22	1,526994E+22	1,526993E+22	1,295020E+22	9,332101E+21	5,613662E+21	2,791284E+21	1,392763E+21	1,392828E+21	2,791489E+21	5,613973E+21
1295	9,332369E+21	1,295011E+22	1,526946E+22	1,526961E+22	1,295044E+22	9,332612E+21	5,614047E+21	2,791434E+21	1,392706E+21	1,392602E+21	2,791119E+21	5,613592E+21
1296	9,332122E+21	1,295023E+22	1,527012E+22	1,527031E+22	1,295080E+22	9,332606E+21	5,613793E+21	2,791171E+21	1,392570E+21	1,392605E+21	2,791291E+21	5,614000E+21
1297	9,332802E+21	1,295091E+22	1,527037E+22	1,526992E+22	1,295007E+22	9,332155E+21	5,613665E+21	2,791104E+21	1,392488E+21	1,392511E+21	2,791154E+21	5,613742E+21
1298	9,332368E+21	1,295038E+22	1,527010E+22	1,527033E+22	1,295073E+22	9,332604E+21	5,613957E+21	2,791298E+21	1,392557E+21	1,392461E+21	2,790987E+21	5,613513E+21
1299	9,332297E+21	1,295078E+22	1,527074E+22	1,527072E+22	1,295078E+22	9,332249E+21	5,613481E+21	2,791008E+21	1,392501E+21	1,392601E+21	2,791343E+21	5,614022E+21
1300	9,332690E+21	1,295075E+22	1,527021E+22	1,526982E+22	1,295020E+22	9,332296E+21	5,613729E+21	2,791201E+21	1,392601E+21	1,392603E+21	2,791199E+21	5,613673E+21
1301	9,332067E+21	1,294993E+22	1,526982E+22	1,527020E+22	1,295076E+22	9,332753E+21	5,614078E+21	2,791441E+21	1,392774E+21	1,392738E+21	2,791299E+21	5,613808E+21
1302	9,332459E+21	1,295050E+22	1,527001E+22	1,526993E+22	1,295021E+22	9,332113E+21	5,613691E+21	2,791349E+21	1,392864E+21	1,392956E+21	2,791620E+21	5,614073E+21
1303	9,332439E+21	1,295011E+22	1,526918E+22	1,526898E+22	1,294984E+22	9,332345E+21	5,614153E+21	2,791782E+21	1,393134E+21	1,393052E+21	2,791510E+21	5,613717E+21
1304	9,331813E+21	1,294946E+22	1,526908E+22	1,526930E+22	1,295010E+22	9,332428E+21	5,614147E+21	2,791849E+21	1,393319E+21	1,393332E+21	2,791878E+21	5,614147E+21
1305	9,332310E+21	1,294982E+22	1,526896E+22	1,526865E+22	1,294920E+22	9,331813E+21	5,613958E+21	2,791884E+21	1,393445E+21	1,393516E+21	2,792085E+21	5,614210E+21
1306	9,331985E+21	1,294903E+22	1,526800E+22	1,526825E+22	1,294946E+22	9,332273E+21	5,614401E+21	2,792243E+21	1,393655E+21	1,393571E+21	2,791975E+21	5,613983E+21
1307	9,331822E+21	1,294920E+22	1,526842E+22	1,526851E+22	1,294948E+22	9,332025E+21	5,614049E+21	2,792029E+21	1,393641E+21	1,393729E+21	2,792325E+21	5,614532E+21
1308	9,332458E+21	1,294958E+22	1,526823E+22	1,526775E+22	1,294873E+22	9,331803E+21	5,614132E+21	2,792122E+21	1,393665E+21	1,393679E+21	2,792152E+21	5,614168E+21
1309	9,331872E+21	1,294889E+22	1,526795E+22	1,526825E+22	1,294944E+22	9,332329E+21	5,614473E+21	2,792295E+21	1,393703E+21	1,393615E+21	2,791999E+21	5,614025E+21
1310	9,332035E+21	1,294957E+22	1,526875E+22	1,526871E+22	1,294942E+22	9,331851E+21	5,613944E+21	2,791953E+21	1,393551E+21	1,393623E+21	2,792187E+21	5,614325E+21
1311	9,332207E+21	1,294946E+22	1,526839E+22	1,526821E+22	1,294925E+22	9,332102E+21	5,614206E+21	2,792054E+21	1,393488E+21	1,393415E+21	2,791840E+21	5,613895E+21
1312	9,331669E+21	1,294891E+22	1,526842E+22	1,526893E+22	1,294996E+22	9,332473E+21	5,614255E+21	2,791937E+21	1,393373E+21	1,393346E+21	2,791852E+21	5,614114E+21
1313	9,332329E+21	1,294986E+22	1,526901E+22	1,526889E+22	1,294948E+22	9,331916E+21	5,613859E+21	2,791646E+21	1,393170E+21	1,393242E+21	2,791857E+21	5,614156E+21
1314	9,332260E+21	1,294965E+22	1,526867E+22	1,526870E+22	1,294974E+22	9,332342E+21	5,614179E+21	2,791801E+21	1,393130E+21	1,393023E+21	2,791467E+21	5,613706E+21
1315	9,331971E+21	1,294988E+22	1,526951E+22	1,526952E+22	1,295012E+22	9,332286E+21	5,613861E+21	2,791504E+21	1,392984E+21	1,393023E+21	2,791641E+21	5,614114E+21
1316	9,332597E+21	1,295044E+22	1,526974E+22	1,526929E+22	1,294956E+22	9,331901E+21	5,613721E+21	2,791424E+21	1,392907E+21	1,392946E+21	2,791527E+21	5,613861E+21
1317	9,332080E+21	1,294966E+22	1,526915E+22	1,526954E+22	1,295029E+22	9,332502E+21	5,614124E+21	2,791666E+21	1,392999E+21	1,392912E+21	2,791387E+21	5,613691E+21
1318	9,332085E+21	1,295008E+22	1,526973E+22	1,526987E+22	1,295033E+22	9,332202E+21	5,613722E+21	2,791423E+21	1,392964E+21	1,393056E+21	2,791722E+21	5,614167E+21
1319	9,332465E+21	1,295009E+22	1,526926E+22	1,526895E+22	1,294963E+22	9,332172E+21	5,613984E+21	2,791660E+21	1,393092E+21	1,393071E+21	2,791599E+21	5,613873E+21
1320	9,331903E+21	1,294925E+22	1,526867E+22	1,526905E+22	1,295002E+22	9,332546E+21	5,614304E+21	2,791918E+21	1,393309E+21	1,393262E+21	2,791737E+21	5,613969E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,332237E+21	1,294990E+22	1,526906E+22	1,526885E+22	1,294938E+22	9,331865E+21	5,613929E+21	2,791835E+21	1,393414E+21	1,393508E+21	2,792095E+21	5,614245E+21
1322	9,332131E+21	1,294933E+22	1,526815E+22	1,526801E+22	1,294912E+22	9,332051E+21	5,614317E+21	2,792254E+21	1,393697E+21	1,393621E+21	2,792010E+21	5,613922E+21
1323	9,331573E+21	1,294880E+22	1,526805E+22	1,526827E+22	1,294939E+22	9,332143E+21	5,614250E+21	2,792249E+21	1,393833E+21	1,393871E+21	2,792375E+21	5,614426E+21
1324	9,332193E+21	1,294921E+22	1,526795E+22	1,526762E+22	1,294851E+22	9,331568E+21	5,614072E+21	2,792259E+21	1,393924E+21	1,394016E+21	2,792536E+21	5,614456E+21
1325	9,331880E+21	1,294843E+22	1,526695E+22	1,526720E+22	1,294879E+22	9,332090E+21	5,614594E+21	2,792648E+21	1,394119E+21	1,394034E+21	2,792373E+21	5,614179E+21
1326	9,331721E+21	1,294873E+22	1,526761E+22	1,526767E+22	1,294890E+22	9,331851E+21	5,614250E+21	2,792443E+21	1,394099E+21	1,394162E+21	2,792653E+21	5,614595E+21
1327	9,332184E+21	1,294903E+22	1,526755E+22	1,526710E+22	1,294821E+22	9,331619E+21	5,614319E+21	2,792529E+21	1,394111E+21	1,394101E+21	2,792492E+21	5,614266E+21
1328	9,331572E+21	1,294817E+22	1,526699E+22	1,526742E+22	1,294894E+22	9,332163E+21	5,614631E+21	2,792679E+21	1,394152E+21	1,394062E+21	2,792377E+21	5,614141E+21
1329	9,331739E+21	1,294889E+22	1,526781E+22	1,526780E+22	1,294885E+22	9,331746E+21	5,614149E+21	2,792320E+21	1,393979E+21	1,394060E+21	2,792575E+21	5,614489E+21
1330	9,331961E+21	1,294875E+22	1,526738E+22	1,526729E+22	1,294867E+22	9,331940E+21	5,614383E+21	2,792419E+21	1,393905E+21	1,393836E+21	2,792211E+21	5,614072E+21
1331	9,331573E+21	1,294849E+22	1,526757E+22	1,526797E+22	1,294928E+22	9,332215E+21	5,614357E+21	2,792258E+21	1,393757E+21	1,393736E+21	2,792197E+21	5,614295E+21
1332	9,332266E+21	1,294952E+22	1,526833E+22	1,526808E+22	1,294884E+22	9,331646E+21	5,613933E+21	2,791954E+21	1,393551E+21	1,393628E+21	2,792184E+21	5,614280E+21
1333	9,332090E+21	1,294919E+22	1,526796E+22	1,526797E+22	1,294918E+22	9,332119E+21	5,614304E+21	2,792140E+21	1,393532E+21	1,393426E+21	2,791814E+21	5,613834E+21
1334	9,331756E+21	1,294933E+22	1,526880E+22	1,526893E+22	1,294971E+22	9,332117E+21	5,614003E+21	2,791868E+21	1,393413E+21	1,393445E+21	2,791992E+21	5,614220E+21
1335	9,332305E+21	1,294978E+22	1,526893E+22	1,526866E+22	1,294918E+22	9,331805E+21	5,613898E+21	2,791801E+21	1,393348E+21	1,393385E+21	2,791924E+21	5,614078E+21
1336	9,331899E+21	1,294894E+22	1,526799E+22	1,526849E+22	1,294970E+22	9,332382E+21	5,614342E+21	2,792081E+21	1,393479E+21	1,393397E+21	2,791814E+21	5,613897E+21
1337	9,331933E+21	1,294950E+22	1,526870E+22	1,526873E+22	1,294958E+22	9,332053E+21	5,613996E+21	2,791883E+21	1,393472E+21	1,393561E+21	2,792149E+21	5,614336E+21
1338	9,332251E+21	1,294946E+22	1,526827E+22	1,526792E+22	1,294888E+22	9,331913E+21	5,614194E+21	2,792138E+21	1,393633E+21	1,393604E+21	2,792037E+21	5,614013E+21
1339	9,331678E+21	1,294871E+22	1,526774E+22	1,526802E+22	1,294923E+22	9,332204E+21	5,614434E+21	2,792354E+21	1,393837E+21	1,393798E+21	2,792203E+21	5,614156E+21
1340	9,331980E+21	1,294922E+22	1,526811E+22	1,526794E+22	1,294872E+22	9,331569E+21	5,614028E+21	2,792242E+21	1,393929E+21	1,394040E+21	2,792572E+21	5,614457E+21
1341	9,331869E+21	1,294855E+22	1,526702E+22	1,526697E+22	1,294848E+22	9,331853E+21	5,614481E+21	2,792663E+21	1,394196E+21	1,394136E+21	2,792481E+21	5,614175E+21
1342	9,331412E+21	1,294811E+22	1,526699E+22	1,526729E+22	1,294878E+22	9,331973E+21	5,614464E+21	2,792679E+21	1,394321E+21	1,394350E+21	2,792779E+21	5,614605E+21
1343	9,332024E+21	1,294864E+22	1,526705E+22	1,526676E+22	1,294794E+22	9,331406E+21	5,614286E+21	2,792689E+21	1,394397E+21	1,394470E+21	2,792920E+21	5,614639E+21
1344	9,331726E+21	1,294786E+22	1,526596E+22	1,526616E+22	1,294812E+22	9,331894E+21	5,614796E+21	2,793083E+21	1,394610E+21	1,394510E+21	2,792759E+21	5,614292E+21
1345	9,331476E+21	1,294818E+22	1,526681E+22	1,526678E+22	1,294823E+22	9,331677E+21	5,614490E+21	2,792883E+21	1,394586E+21	1,394639E+21	2,793043E+21	5,614696E+21
1346	9,331840E+21	1,294830E+22	1,526665E+22	1,526635E+22	1,294770E+22	9,331417E+21	5,614482E+21	2,792939E+21	1,394589E+21	1,394577E+21	2,792896E+21	5,614405E+21
1347	9,331324E+21	1,294755E+22	1,526602E+22	1,526649E+22	1,294836E+22	9,331953E+21	5,614737E+21	2,793012E+21	1,394573E+21	1,394502E+21	2,792786E+21	5,614366E+21
1348	9,331601E+21	1,294832E+22	1,526689E+22	1,526688E+22	1,294825E+22	9,331534E+21	5,614251E+21	2,792631E+21	1,394363E+21	1,394459E+21	2,792939E+21	5,614688E+21
1349	9,331857E+21	1,294824E+22	1,526649E+22	1,526635E+22	1,294804E+22	9,331728E+21	5,614523E+21	2,792747E+21	1,394284E+21	1,394216E+21	2,792544E+21	5,614239E+21
1350	9,331484E+21	1,294810E+22	1,526691E+22	1,526724E+22	1,294872E+22	9,331989E+21	5,614498E+21	2,792605E+21	1,394149E+21	1,394110E+21	2,792486E+21	5,614363E+21
1351	9,332042E+21	1,294907E+22	1,526776E+22	1,526754E+22	1,294841E+22	9,331454E+21	5,614065E+21	2,792302E+21	1,393949E+21	1,394016E+21	2,792514E+21	5,614407E+21
1352	9,331839E+21	1,294855E+22	1,526707E+22	1,526720E+22	1,294873E+22	9,331966E+21	5,614443E+21	2,792498E+21	1,393965E+21	1,393865E+21	2,792197E+21	5,613989E+21
1353	9,331516E+21	1,294870E+22	1,526789E+22	1,526805E+22	1,294918E+22	9,332042E+21	5,614234E+21	2,792255E+21	1,393859E+21	1,393899E+21	2,792391E+21	5,614398E+21
1354	9,332073E+21	1,294906E+22	1,526791E+22	1,526774E+22	1,294862E+22	9,331661E+21	5,614120E+21	2,792221E+21	1,393819E+21	1,393855E+21	2,792325E+21	5,614252E+21
1355	9,331773E+21	1,294847E+22	1,526703E+22	1,526741E+22	1,294898E+22	9,332140E+21	5,614507E+21	2,792483E+21	1,393948E+21	1,393873E+21	2,792230E+21	5,614091E+21
1356	9,331781E+21	1,294900E+22	1,526785E+22	1,526775E+22	1,294884E+22	9,331763E+21	5,614133E+21	2,792292E+21	1,393958E+21	1,394047E+21	2,792559E+21	5,614482E+21

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°
1357	9,331994E+21	1,294881E+22	1,526732E+22	1,526695E+22	1,294820E+22	9,331640E+21	5,614361E+21	2,792573E+21	1,394142E+21	1,394117E+21	2,792489E+21	5,614206E+21
1358	9,331429E+21	1,294800E+22	1,526680E+22	1,526717E+22	1,294864E+22	9,331949E+21	5,614585E+21	2,792788E+21	1,394353E+21	1,394312E+21	2,792646E+21	5,614345E+21
1359	9,331717E+21	1,294848E+22	1,526708E+22	1,526703E+22	1,294816E+22	9,331392E+21	5,614211E+21	2,792668E+21	1,394432E+21	1,394548E+21	2,793038E+21	5,614730E+21
1360	9,331716E+21	1,294783E+22	1,526581E+22	1,526578E+22	1,294776E+22	9,331662E+21	5,614695E+21	2,793108E+21	1,394712E+21	1,394655E+21	2,792934E+21	5,614401E+21
1361	9,331290E+21	1,294758E+22	1,526603E+22	1,526617E+22	1,294800E+22	9,331779E+21	5,614722E+21	2,793152E+21	1,394845E+21	1,394860E+21	2,793192E+21	5,614744E+21
1362	9,331778E+21	1,294803E+22	1,526617E+22	1,526586E+22	1,294729E+22	9,331172E+21	5,614496E+21	2,793161E+21	1,394927E+21	1,394982E+21	2,793316E+21	5,614722E+21
1363	9,331455E+21	1,294732E+22	1,526513E+22	1,526527E+22	1,294748E+22	9,331623E+21	5,614927E+21	2,793488E+21	1,395098E+21	1,395004E+21	2,793179E+21	5,614432E+21
1364	9,331164E+21	1,294747E+22	1,526591E+22	1,526597E+22	1,294771E+22	9,331464E+21	5,614599E+21	2,793249E+21	1,395037E+21	1,395098E+21	2,793446E+21	5,614856E+21
1365	9,331554E+21	1,294752E+22	1,526558E+22	1,526540E+22	1,294719E+22	9,331287E+21	5,614652E+21	2,793293E+21	1,395005E+21	1,395007E+21	2,793295E+21	5,614630E+21
1366	9,331183E+21	1,294692E+22	1,526508E+22	1,526560E+22	1,294780E+22	9,331777E+21	5,614908E+21	2,793366E+21	1,394966E+21	1,394889E+21	2,793118E+21	5,614533E+21
1367	9,331484E+21	1,294784E+22	1,526611E+22	1,526608E+22	1,294773E+22	9,331364E+21	5,614409E+21	2,792975E+21	1,394742E+21	1,394828E+21	2,793265E+21	5,614863E+21
1368	9,331750E+21	1,294779E+22	1,526569E+22	1,526544E+22	1,294741E+22	9,331511E+21	5,614665E+21	2,793098E+21	1,394690E+21	1,394618E+21	2,792882E+21	5,614368E+21
1369	9,331314E+21	1,294768E+22	1,526629E+22	1,526648E+22	1,294813E+22	9,331791E+21	5,614669E+21	2,792978E+21	1,394577E+21	1,394534E+21	2,792841E+21	5,614479E+21
1370	9,331772E+21	1,294843E+22	1,526699E+22	1,526689E+22	1,294801E+22	9,331287E+21	5,614202E+21	2,792672E+21	1,394392E+21	1,394460E+21	2,792889E+21	5,614556E+21
1371	9,331674E+21	1,294803E+22	1,526617E+22	1,526628E+22	1,294818E+22	9,331784E+21	5,614563E+21	2,792833E+21	1,394385E+21	1,394307E+21	2,792604E+21	5,614217E+21
1372	9,331393E+21	1,294814E+22	1,526699E+22	1,526712E+22	1,294859E+22	9,331845E+21	5,614384E+21	2,792617E+21	1,394282E+21	1,394326E+21	2,792760E+21	5,614569E+21
1373	9,331917E+21	1,294851E+22	1,526699E+22	1,526674E+22	1,294796E+22	9,331446E+21	5,614301E+21	2,792619E+21	1,394269E+21	1,394303E+21	2,792705E+21	5,614406E+21
1374	9,331579E+21	1,294791E+22	1,526624E+22	1,526654E+22	1,294831E+22	9,331878E+21	5,614684E+21	2,792912E+21	1,394429E+21	1,394337E+21	2,792599E+21	5,614184E+21
1375	9,331473E+21	1,294833E+22	1,526701E+22	1,526698E+22	1,294831E+22	9,331550E+21	5,614301E+21	2,792718E+21	1,394449E+21	1,394535E+21	2,792987E+21	5,614654E+21
1376	9,331688E+21	1,294800E+22	1,526618E+22	1,526591E+22	1,294758E+22	9,331436E+21	5,614532E+21	2,793012E+21	1,394668E+21	1,394651E+21	2,792963E+21	5,614426E+21
1377	9,331197E+21	1,294727E+22	1,526572E+22	1,526605E+22	1,294794E+22	9,331790E+21	5,614828E+21	2,793252E+21	1,394886E+21	1,394846E+21	2,793113E+21	5,614571E+21
1378	9,331511E+21	1,294774E+22	1,526598E+22	1,526598E+22	1,294751E+22	9,331195E+21	5,614438E+21	2,793146E+21	1,394971E+21	1,395077E+21	2,793476E+21	5,614922E+21
1379	9,331604E+21	1,294734E+22	1,526484E+22	1,526466E+22	1,294700E+22	9,331392E+21	5,614860E+21	2,793541E+21	1,395222E+21	1,395170E+21	2,793375E+21	5,614595E+21
1380	9,331115E+21	1,294705E+22	1,526521E+22	1,526525E+22	1,294731E+22	9,331503E+21	5,614874E+21	2,793578E+21	1,395341E+21	1,395352E+21	2,793598E+21	5,614867E+21
1381	9,331482E+21	1,294735E+22	1,526526E+22	1,526499E+22	1,294672E+22	9,330956E+21	5,614665E+21	2,793580E+21	1,395415E+21	1,395474E+21	2,793747E+21	5,614889E+21
1382	9,331165E+21	1,294658E+22	1,526422E+22	1,526448E+22	1,294698E+22	9,331447E+21	5,615081E+21	2,793878E+21	1,395560E+21	1,395466E+21	2,793583E+21	5,614612E+21
1383	9,330924E+21	1,294673E+22	1,526491E+22	1,526510E+22	1,294724E+22	9,331354E+21	5,614774E+21	2,793610E+21	1,395456E+21	1,395526E+21	2,793846E+21	5,615094E+21
1384	9,331429E+21	1,294687E+22	1,526447E+22	1,526429E+22	1,294651E+22	9,331110E+21	5,614834E+21	2,793668E+21	1,395430E+21	1,395430E+21	2,793670E+21	5,614838E+21
1385	9,331126E+21	1,294653E+22	1,526430E+22	1,526460E+22	1,294707E+22	9,331559E+21	5,615095E+21	2,793752E+21	1,395393E+21	1,395302E+21	2,793453E+21	5,614660E+21
1386	9,331319E+21	1,294736E+22	1,526542E+22	1,526533E+22	1,294716E+22	9,331126E+21	5,614556E+21	2,793358E+21	1,395177E+21	1,395247E+21	2,793587E+21	5,614943E+21
1387	9,331578E+21	1,294740E+22	1,526505E+22	1,526472E+22	1,294687E+22	9,331250E+21	5,614734E+21	2,793416E+21	1,395094E+21	1,395036E+21	2,793248E+21	5,614512E+21
1388	9,331096E+21	1,294713E+22	1,526557E+22	1,526581E+22	1,294769E+22	9,331592E+21	5,614746E+21	2,793288E+21	1,394968E+21	1,394933E+21	2,793187E+21	5,614615E+21
1389	9,331532E+21	1,294777E+22	1,526606E+22	1,526606E+22	1,294757E+22	9,331189E+21	5,614370E+21	2,793009E+21	1,394786E+21	1,394863E+21	2,793247E+21	5,614732E+21
1390	9,331511E+21	1,294743E+22	1,526534E+22	1,526547E+22	1,294766E+22	9,331631E+21	5,614742E+21	2,793200E+21	1,394794E+21	1,394705E+21	2,792933E+21	5,614349E+21
1391	9,331214E+21	1,294757E+22	1,526614E+22	1,526627E+22	1,294805E+22	9,331696E+21	5,614577E+21	2,793010E+21	1,394713E+21	1,394747E+21	2,793118E+21	5,614702E+21
1392	9,331682E+21	1,294788E+22	1,526603E+22	1,526571E+22	1,294727E+22	9,331235E+21	5,614502E+21	2,793058E+21	1,394761E+21	1,394788E+21	2,793115E+21	5,614558E+21

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°
1393	9,331331E+21	1,294729E+22	1,526538E+22	1,526557E+22	1,294760E+22	9,331637E+21	5,614880E+21	2,793374E+21	1,394961E+21	1,394864E+21	2,793050E+21	5,614358E+21
1394	9,331175E+21	1,294752E+22	1,526595E+22	1,526604E+22	1,294774E+22	9,331344E+21	5,614475E+21	2,793175E+21	1,394996E+21	1,395085E+21	2,793461E+21	5,614881E+21
1395	9,331546E+21	1,294737E+22	1,526507E+22	1,526475E+22	1,294684E+22	9,331182E+21	5,614668E+21	2,793417E+21	1,395181E+21	1,395192E+21	2,793462E+21	5,614717E+21
1396	9,331109E+21	1,294669E+22	1,526471E+22	1,526496E+22	1,294719E+22	9,331503E+21	5,614972E+21	2,793674E+21	1,395388E+21	1,395352E+21	2,793549E+21	5,614775E+21
1397	9,331365E+21	1,294716E+22	1,526502E+22	1,526493E+22	1,294682E+22	9,330967E+21	5,614630E+21	2,793592E+21	1,395482E+21	1,395585E+21	2,793901E+21	5,615086E+21
1398	9,331382E+21	1,294674E+22	1,526407E+22	1,526385E+22	1,294636E+22	9,331145E+21	5,615041E+21	2,793986E+21	1,395730E+21	1,395665E+21	2,793775E+21	5,614705E+21
1399	9,330794E+21	1,294631E+22	1,526433E+22	1,526450E+22	1,294684E+22	9,331345E+21	5,615059E+21	2,794003E+21	1,395828E+21	1,395838E+21	2,794024E+21	5,615019E+21
1400	9,331149E+21	1,294650E+22	1,526411E+22	1,526396E+22	1,294615E+22	9,330833E+21	5,614870E+21	2,794003E+21	1,395903E+21	1,395967E+21	2,794186E+21	5,615099E+21
1401	9,330952E+21	1,294587E+22	1,526317E+22	1,526338E+22	1,294631E+22	9,331321E+21	5,615316E+21	2,794299E+21	1,396029E+21	1,395932E+21	2,793989E+21	5,614814E+21
1402	9,330765E+21	1,294608E+22	1,526389E+22	1,526411E+22	1,294662E+22	9,331178E+21	5,614971E+21	2,794020E+21	1,395911E+21	1,395966E+21	2,794201E+21	5,615257E+21
1403	9,331390E+21	1,294651E+22	1,526366E+22	1,526327E+22	1,294578E+22	9,330822E+21	5,614935E+21	2,794013E+21	1,395846E+21	1,395852E+21	2,794033E+21	5,615006E+21
1404	9,331024E+21	1,294615E+22	1,526370E+22	1,526388E+22	1,294645E+22	9,331248E+21	5,615167E+21	2,794086E+21	1,395793E+21	1,395697E+21	2,793782E+21	5,614767E+21
1405	9,331102E+21	1,294684E+22	1,526475E+22	1,526470E+22	1,294671E+22	9,330919E+21	5,614653E+21	2,793686E+21	1,395575E+21	1,395652E+21	2,793941E+21	5,615081E+21
1406	9,331332E+21	1,294677E+22	1,526436E+22	1,526413E+22	1,294648E+22	9,331103E+21	5,614842E+21	2,793728E+21	1,395478E+21	1,395426E+21	2,793587E+21	5,614660E+21
1407	9,330897E+21	1,294649E+22	1,526472E+22	1,526508E+22	1,294731E+22	9,331543E+21	5,614921E+21	2,793609E+21	1,395339E+21	1,395314E+21	2,793531E+21	5,614774E+21
1408	9,331356E+21	1,294715E+22	1,526505E+22	1,526503E+22	1,294696E+22	9,331069E+21	5,614579E+21	2,793393E+21	1,395210E+21	1,395278E+21	2,793593E+21	5,614875E+21
1409	9,331359E+21	1,294694E+22	1,526453E+22	1,526447E+22	1,294696E+22	9,331454E+21	5,614961E+21	2,793631E+21	1,395265E+21	1,395158E+21	2,793293E+21	5,614452E+21
1410	9,330959E+21	1,294692E+22	1,526526E+22	1,526541E+22	1,294745E+22	9,331480E+21	5,614763E+21	2,793457E+21	1,395220E+21	1,395238E+21	2,793505E+21	5,614814E+21
1411	9,331459E+21	1,294727E+22	1,526509E+22	1,526475E+22	1,294660E+22	9,330946E+21	5,614602E+21	2,793452E+21	1,395259E+21	1,395307E+21	2,793588E+21	5,614787E+21
1412	9,331125E+21	1,294660E+22	1,526441E+22	1,526464E+22	1,294696E+22	9,331359E+21	5,614978E+21	2,793760E+21	1,395445E+21	1,395366E+21	2,793507E+21	5,614596E+21
1413	9,331001E+21	1,294681E+22	1,526487E+22	1,526498E+22	1,294708E+22	9,331149E+21	5,614653E+21	2,793585E+21	1,395482E+21	1,395586E+21	2,793917E+21	5,615129E+21
1414	9,331419E+21	1,294677E+22	1,526418E+22	1,526382E+22	1,294617E+22	9,330957E+21	5,614845E+21	2,793838E+21	1,395667E+21	1,395674E+21	2,793869E+21	5,614896E+21
1415	9,330960E+21	1,294615E+22	1,526385E+22	1,526405E+22	1,294660E+22	9,331342E+21	5,615175E+21	2,794103E+21	1,395876E+21	1,395837E+21	2,793955E+21	5,614905E+21
1416	9,331094E+21	1,294650E+22	1,526404E+22	1,526392E+22	1,294615E+22	9,330790E+21	5,614865E+21	2,794072E+21	1,396016E+21	1,396106E+21	2,794333E+21	5,615225E+21
1417	9,331090E+21	1,294604E+22	1,526315E+22	1,526291E+22	1,294574E+22	9,330978E+21	5,615269E+21	2,794471E+21	1,396278E+21	1,396202E+21	2,794228E+21	5,614874E+21
1418	9,330479E+21	1,294544E+22	1,526316E+22	1,526353E+22	1,294630E+22	9,331212E+21	5,615276E+21	2,794464E+21	1,396359E+21	1,396363E+21	2,794467E+21	5,615226E+21
1419	9,331004E+21	1,294585E+22	1,526298E+22	1,526279E+22	1,294540E+22	9,330603E+21	5,615027E+21	2,794396E+21	1,396377E+21	1,396458E+21	2,794640E+21	5,615366E+21
1420	9,330890E+21	1,294537E+22	1,526226E+22	1,526235E+22	1,294552E+22	9,330983E+21	5,615421E+21	2,794670E+21	1,396466E+21	1,396366E+21	2,794360E+21	5,614984E+21
1421	9,330647E+21	1,294563E+22	1,526309E+22	1,526318E+22	1,294592E+22	9,330913E+21	5,615101E+21	2,794386E+21	1,396338E+21	1,396389E+21	2,794553E+21	5,615379E+21
1422	9,331191E+21	1,294604E+22	1,526311E+22	1,526270E+22	1,294525E+22	9,330567E+21	5,615024E+21	2,794343E+21	1,396247E+21	1,396249E+21	2,794354E+21	5,615088E+21
1423	9,330771E+21	1,294558E+22	1,526302E+22	1,526334E+22	1,294612E+22	9,331121E+21	5,615272E+21	2,794392E+21	1,396172E+21	1,396084E+21	2,794121E+21	5,614873E+21
1424	9,330809E+21	1,294613E+22	1,526379E+22	1,526388E+22	1,294629E+22	9,330877E+21	5,614842E+21	2,794034E+21	1,395976E+21	1,396053E+21	2,794291E+21	5,615236E+21
1425	9,331139E+21	1,294616E+22	1,526347E+22	1,526325E+22	1,294596E+22	9,331043E+21	5,615068E+21	2,794107E+21	1,395894E+21	1,395833E+21	2,793930E+21	5,614806E+21
1426	9,330716E+21	1,294585E+22	1,526373E+22	1,526418E+22	1,294678E+22	9,331431E+21	5,615141E+21	2,794015E+21	1,395779E+21	1,395735E+21	2,793861E+21	5,614891E+21
1427	9,331239E+21	1,294669E+22	1,526418E+22	1,526402E+22	1,294623E+22	9,330820E+21	5,614719E+21	2,793764E+21	1,395651E+21	1,395728E+21	2,793988E+21	5,615044E+21
1428	9,331199E+21	1,294645E+22	1,526378E+22	1,526363E+22	1,294623E+22	9,331102E+21	5,615054E+21	2,794009E+21	1,395719E+21	1,395617E+21	2,793695E+21	5,614612E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1429	9,330735E+21	1,294630E+22	1,526436E+22	1,526455E+22	1,294684E+22	9,331230E+21	5,614878E+21	2,793841E+21	1,395694E+21	1,395730E+21	2,793954E+21	5,615035E+21
1430	9,331256E+21	1,294660E+22	1,526421E+22	1,526394E+22	1,294603E+22	9,330727E+21	5,614713E+21	2,793817E+21	1,395721E+21	1,395787E+21	2,794027E+21	5,615030E+21
1431	9,331008E+21	1,294599E+22	1,526344E+22	1,526372E+22	1,294640E+22	9,331206E+21	5,615145E+21	2,794136E+21	1,395899E+21	1,395836E+21	2,793933E+21	5,614808E+21
1432	9,330857E+21	1,294621E+22	1,526383E+22	1,526387E+22	1,294636E+22	9,330979E+21	5,614889E+21	2,794043E+21	1,395989E+21	1,396081E+21	2,794326E+21	5,615292E+21
1433	9,331241E+21	1,294623E+22	1,526332E+22	1,526283E+22	1,294546E+22	9,330777E+21	5,615097E+21	2,794338E+21	1,396216E+21	1,396200E+21	2,794281E+21	5,614994E+21
1434	9,330638E+21	1,294542E+22	1,526289E+22	1,526319E+22	1,294603E+22	9,331180E+21	5,615421E+21	2,794612E+21	1,396444E+21	1,396383E+21	2,794380E+21	5,615006E+21
1435	9,330786E+21	1,294576E+22	1,526297E+22	1,526289E+22	1,294547E+22	9,330562E+21	5,615032E+21	2,794520E+21	1,396558E+21	1,396660E+21	2,794824E+21	5,615438E+21
1436	9,330822E+21	1,294525E+22	1,526204E+22	1,526189E+22	1,294505E+22	9,330726E+21	5,615426E+21	2,794893E+21	1,396779E+21	1,396711E+21	2,794686E+21	5,615105E+21
1437	9,330295E+21	1,294470E+22	1,526200E+22	1,526242E+22	1,294560E+22	9,331001E+21	5,615454E+21	2,794869E+21	1,396831E+21	1,396843E+21	2,794899E+21	5,615454E+21
1438	9,330867E+21	1,294527E+22	1,526209E+22	1,526185E+22	1,294470E+22	9,330334E+21	5,615156E+21	2,794766E+21	1,396812E+21	1,396890E+21	2,795011E+21	5,615540E+21
1439	9,330779E+21	1,294493E+22	1,526152E+22	1,526155E+22	1,294495E+22	9,330774E+21	5,615545E+21	2,795006E+21	1,396868E+21	1,396773E+21	2,794710E+21	5,615099E+21
1440	9,330428E+21	1,294510E+22	1,526233E+22	1,526238E+22	1,294534E+22	9,330723E+21	5,615265E+21	2,794765E+21	1,396769E+21	1,396811E+21	2,794907E+21	5,615498E+21
1441	9,330949E+21	1,294548E+22	1,526238E+22	1,526202E+22	1,294482E+22	9,330451E+21	5,615186E+21	2,794716E+21	1,396683E+21	1,396679E+21	2,794714E+21	5,615216E+21
1442	9,330514E+21	1,294489E+22	1,526208E+22	1,526259E+22	1,294575E+22	9,331078E+21	5,615466E+21	2,794757E+21	1,396595E+21	1,396503E+21	2,794466E+21	5,615025E+21
1443	9,330688E+21	1,294558E+22	1,526281E+22	1,526287E+22	1,294567E+22	9,330720E+21	5,615001E+21	2,794371E+21	1,396376E+21	1,396465E+21	2,794661E+21	5,615431E+21
1444	9,331050E+21	1,294571E+22	1,526265E+22	1,526235E+22	1,294525E+22	9,330754E+21	5,615196E+21	2,794458E+21	1,396294E+21	1,396230E+21	2,794266E+21	5,614947E+21
1445	9,330573E+21	1,294538E+22	1,526291E+22	1,526328E+22	1,294610E+22	9,331176E+21	5,615280E+21	2,794382E+21	1,396205E+21	1,396164E+21	2,794227E+21	5,615015E+21
1446	9,330990E+21	1,294615E+22	1,526353E+22	1,526335E+22	1,294564E+22	9,330540E+21	5,614816E+21	2,794115E+21	1,396078E+21	1,396162E+21	2,794367E+21	5,615187E+21
1447	9,330968E+21	1,294585E+22	1,526297E+22	1,526293E+22	1,294577E+22	9,330918E+21	5,615152E+21	2,794337E+21	1,396141E+21	1,396063E+21	2,794104E+21	5,614784E+21
1448	9,330487E+21	1,294560E+22	1,526332E+22	1,526356E+22	1,294625E+22	9,331103E+21	5,615080E+21	2,794243E+21	1,396160E+21	1,396199E+21	2,794371E+21	5,615247E+21
1449	9,331106E+21	1,294601E+22	1,526323E+22	1,526297E+22	1,294543E+22	9,330603E+21	5,614944E+21	2,794261E+21	1,396218E+21	1,396272E+21	2,794431E+21	5,615202E+21
1450	9,330832E+21	1,294536E+22	1,526241E+22	1,526274E+22	1,294580E+22	9,331075E+21	5,615399E+21	2,794615E+21	1,396427E+21	1,396339E+21	2,794323E+21	5,614938E+21
1451	9,330682E+21	1,294566E+22	1,526286E+22	1,526280E+22	1,294559E+22	9,330746E+21	5,615100E+21	2,794512E+21	1,396529E+21	1,396619E+21	2,794780E+21	5,615457E+21
1452	9,330983E+21	1,294559E+22	1,526244E+22	1,526194E+22	1,294472E+22	9,330441E+21	5,615260E+21	2,794807E+21	1,396760E+21	1,396744E+21	2,794749E+21	5,615163E+21
1453	9,330322E+21	1,294460E+22	1,526174E+22	1,526217E+22	1,294539E+22	9,330961E+21	5,615595E+21	2,795065E+21	1,396988E+21	1,396942E+21	2,794887E+21	5,615236E+21
1454	9,330490E+21	1,294494E+22	1,526190E+22	1,526190E+22	1,294483E+22	9,330352E+21	5,615187E+21	2,794922E+21	1,397052E+21	1,397172E+21	2,795295E+21	5,615699E+21
1455	9,330693E+21	1,294460E+22	1,526096E+22	1,526083E+22	1,294437E+22	9,330513E+21	5,615578E+21	2,795264E+21	1,397231E+21	1,397180E+21	2,795111E+21	5,615316E+21
1456	9,330163E+21	1,294414E+22	1,526098E+22	1,526128E+22	1,294481E+22	9,330766E+21	5,615655E+21	2,795296E+21	1,397303E+21	1,397301E+21	2,795280E+21	5,615618E+21
1457	9,330726E+21	1,294482E+22	1,526132E+22	1,526099E+22	1,294407E+22	9,330124E+21	5,615335E+21	2,795188E+21	1,397288E+21	1,397345E+21	2,795367E+21	5,615633E+21
1458	9,330516E+21	1,294434E+22	1,526074E+22	1,526087E+22	1,294450E+22	9,330620E+21	5,615718E+21	2,795408E+21	1,397330E+21	1,397219E+21	2,795059E+21	5,615201E+21
1459	9,330197E+21	1,294451E+22	1,526146E+22	1,526156E+22	1,294482E+22	9,330558E+21	5,615402E+21	2,795114E+21	1,397197E+21	1,397251E+21	2,795301E+21	5,615679E+21
1460	9,330744E+21	1,294487E+22	1,526151E+22	1,526124E+22	1,294428E+22	9,330255E+21	5,615330E+21	2,795051E+21	1,397074E+21	1,397078E+21	2,795070E+21	5,615388E+21
1461	9,330355E+21	1,294431E+22	1,526112E+22	1,526167E+22	1,294519E+22	9,330931E+21	5,615639E+21	2,795099E+21	1,396984E+21	1,396899E+21	2,794816E+21	5,615179E+21
1462	9,330507E+21	1,294509E+22	1,526208E+22	1,526208E+22	1,294508E+22	9,330504E+21	5,615129E+21	2,794696E+21	1,396753E+21	1,396840E+21	2,794977E+21	5,615555E+21
1463	9,330903E+21	1,294529E+22	1,526196E+22	1,526161E+22	1,294471E+22	9,330541E+21	5,615313E+21	2,794775E+21	1,396675E+21	1,396619E+21	2,794605E+21	5,615053E+21
1464	9,330333E+21	1,294483E+22	1,526212E+22	1,526246E+22	1,294549E+22	9,330953E+21	5,615444E+21	2,794771E+21	1,396645E+21	1,396598E+21	2,794606E+21	5,615176E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,330762E+21	1,294554E+22	1,526266E+22	1,526257E+22	1,294517E+22	9,330397E+21	5,614980E+21	2,794514E+21	1,396548E+21	1,396630E+21	2,794775E+21	5,615375E+21
1466	9,330755E+21	1,294517E+22	1,526197E+22	1,526206E+22	1,294531E+22	9,330829E+21	5,615357E+21	2,794741E+21	1,396616E+21	1,396536E+21	2,794508E+21	5,614998E+21
1467	9,330403E+21	1,294505E+22	1,526230E+22	1,526245E+22	1,294550E+22	9,330873E+21	5,615262E+21	2,794653E+21	1,396642E+21	1,396688E+21	2,794800E+21	5,615461E+21
1468	9,330985E+21	1,294550E+22	1,526235E+22	1,526199E+22	1,294467E+22	9,330288E+21	5,615116E+21	2,794699E+21	1,396718E+21	1,396766E+21	2,794837E+21	5,615344E+21
1469	9,330606E+21	1,294477E+22	1,526148E+22	1,526177E+22	1,294512E+22	9,330831E+21	5,615588E+21	2,795071E+21	1,396957E+21	1,396871E+21	2,794769E+21	5,615065E+21
1470	9,330313E+21	1,294492E+22	1,526199E+22	1,526198E+22	1,294497E+22	9,330484E+21	5,615254E+21	2,794947E+21	1,397051E+21	1,397145E+21	2,795234E+21	5,615623E+21
1471	9,330673E+21	1,294480E+22	1,526138E+22	1,526103E+22	1,294419E+22	9,330271E+21	5,615424E+21	2,795210E+21	1,397257E+21	1,397263E+21	2,795223E+21	5,615372E+21
1472	9,330048E+21	1,294379E+22	1,526051E+22	1,526098E+22	1,294467E+22	9,330797E+21	5,615835E+21	2,795519E+21	1,397498E+21	1,397452E+21	2,795347E+21	5,615486E+21
1473	9,330336E+21	1,294427E+22	1,526078E+22	1,526078E+22	1,294414E+22	9,330173E+21	5,615414E+21	2,795381E+21	1,397562E+21	1,397666E+21	2,795710E+21	5,615891E+21
1474	9,330541E+21	1,294403E+22	1,525998E+22	1,525982E+22	1,294373E+22	9,330330E+21	5,615786E+21	2,795703E+21	1,397725E+21	1,397654E+21	2,795486E+21	5,615470E+21
1475	9,330042E+21	1,294368E+22	1,526014E+22	1,526028E+22	1,294404E+22	9,330467E+21	5,615806E+21	2,795705E+21	1,397783E+21	1,397779E+21	2,795687E+21	5,615778E+21
1476	9,330526E+21	1,294430E+22	1,526061E+22	1,526028E+22	1,294347E+22	9,329812E+21	5,615453E+21	2,795577E+21	1,397745E+21	1,397803E+21	2,795759E+21	5,615783E+21
1477	9,330268E+21	1,294370E+22	1,525984E+22	1,526009E+22	1,294405E+22	9,330463E+21	5,615853E+21	2,795764E+21	1,397768E+21	1,397672E+21	2,795468E+21	5,615384E+21
1478	9,329943E+21	1,294386E+22	1,526063E+22	1,526078E+22	1,294433E+22	9,330412E+21	5,615545E+21	2,795435E+21	1,397583E+21	1,397649E+21	2,795658E+21	5,615864E+21
1479	9,330624E+21	1,294435E+22	1,526067E+22	1,526040E+22	1,294377E+22	9,330100E+21	5,615471E+21	2,795354E+21	1,397433E+21	1,397449E+21	2,795393E+21	5,615514E+21
1480	9,330187E+21	1,294382E+22	1,526026E+22	1,526069E+22	1,294453E+22	9,330740E+21	5,615832E+21	2,795476E+21	1,397389E+21	1,397287E+21	2,795134E+21	5,615292E+21
1481	9,330309E+21	1,294460E+22	1,526134E+22	1,526132E+22	1,294456E+22	9,330324E+21	5,615297E+21	2,795087E+21	1,397190E+21	1,397257E+21	2,795306E+21	5,615635E+21
1482	9,330621E+21	1,294467E+22	1,526116E+22	1,526091E+22	1,294428E+22	9,330385E+21	5,615468E+21	2,795159E+21	1,397124E+21	1,397058E+21	2,794968E+21	5,615200E+21
1483	9,330129E+21	1,294420E+22	1,526118E+22	1,526153E+22	1,294490E+22	9,330741E+21	5,615578E+21	2,795138E+21	1,397096E+21	1,397063E+21	2,795034E+21	5,615411E+21
1484	9,330613E+21	1,294493E+22	1,526176E+22	1,526169E+22	1,294454E+22	9,330149E+21	5,615129E+21	2,794888E+21	1,396989E+21	1,397082E+21	2,795180E+21	5,615593E+21
1485	9,330627E+21	1,294459E+22	1,526096E+22	1,526104E+22	1,294466E+22	9,330624E+21	5,615531E+21	2,795137E+21	1,397078E+21	1,397009E+21	2,794922E+21	5,615179E+21
1486	9,330204E+21	1,294452E+22	1,526150E+22	1,526155E+22	1,294484E+22	9,330638E+21	5,615425E+21	2,795048E+21	1,397104E+21	1,397151E+21	2,795187E+21	5,615604E+21
1487	9,330783E+21	1,294497E+22	1,526155E+22	1,526115E+22	1,294407E+22	9,330059E+21	5,615274E+21	2,795098E+21	1,397197E+21	1,397255E+21	2,795251E+21	5,615462E+21
1488	9,330278E+21	1,294406E+22	1,526049E+22	1,526078E+22	1,294446E+22	9,330622E+21	5,615809E+21	2,795548E+21	1,397492E+21	1,397401E+21	2,795231E+21	5,615260E+21
1489	9,330018E+21	1,294410E+22	1,526086E+22	1,526100E+22	1,294445E+22	9,330352E+21	5,615470E+21	2,795421E+21	1,397600E+21	1,397688E+21	2,795703E+21	5,615836E+21
1490	9,330429E+21	1,294399E+22	1,526016E+22	1,525992E+22	1,294359E+22	9,330142E+21	5,615665E+21	2,795675E+21	1,397788E+21	1,397788E+21	2,795676E+21	5,615629E+21
1491	9,329965E+21	1,294318E+22	1,525937E+22	1,525969E+22	1,294378E+22	9,330488E+21	5,616024E+21	2,795969E+21	1,398016E+21	1,397970E+21	2,795802E+21	5,615728E+21
1492	9,330239E+21	1,294378E+22	1,525991E+22	1,525975E+22	1,294330E+22	9,329808E+21	5,615571E+21	2,795821E+21	1,398063E+21	1,398161E+21	2,796118E+21	5,616045E+21
1493	9,330342E+21	1,294349E+22	1,525916E+22	1,525893E+22	1,294307E+22	9,330060E+21	5,615929E+21	2,796117E+21	1,398219E+21	1,398153E+21	2,795906E+21	5,615595E+21
1494	9,329725E+21	1,294307E+22	1,525945E+22	1,525960E+22	1,294353E+22	9,330230E+21	5,615914E+21	2,796069E+21	1,398232E+21	1,398235E+21	2,796079E+21	5,615927E+21
1495	9,330274E+21	1,294365E+22	1,525975E+22	1,525956E+22	1,294310E+22	9,329707E+21	5,615585E+21	2,795898E+21	1,398149E+21	1,398224E+21	2,796131E+21	5,615928E+21
1496	9,330021E+21	1,294301E+22	1,525886E+22	1,525914E+22	1,294352E+22	9,330374E+21	5,616077E+21	2,796143E+21	1,398177E+21	1,398074E+21	2,795821E+21	5,615562E+21
1497	9,329782E+21	1,294325E+22	1,525968E+22	1,525989E+22	1,294385E+22	9,330314E+21	5,615759E+21	2,795826E+21	1,397999E+21	1,398040E+21	2,795966E+21	5,615968E+21
1498	9,330429E+21	1,294381E+22	1,525983E+22	1,525956E+22	1,294327E+22	9,329987E+21	5,615676E+21	2,795738E+21	1,397849E+21	1,397841E+21	2,795705E+21	5,615639E+21
1499	9,330047E+21	1,294335E+22	1,525951E+22	1,525976E+22	1,294380E+22	9,330440E+21	5,615958E+21	2,795843E+21	1,397817E+21	1,397717E+21	2,795511E+21	5,615457E+21
1500	9,330122E+21	1,294406E+22	1,526061E+22	1,526057E+22	1,294395E+22	9,330014E+21	5,615395E+21	2,795446E+21	1,397620E+21	1,397697E+21	2,795699E+21	5,615823E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1501	9,330432E+21	1,294405E+22	1,526026E+22	1,526007E+22	1,294379E+22	9,330205E+21	5,615570E+21	2,795489E+21	1,397552E+21	1,397515E+21	2,795392E+21	5,615424E+21
1502	9,329965E+21	1,294364E+22	1,526037E+22	1,526066E+22	1,294431E+22	9,330520E+21	5,615684E+21	2,795460E+21	1,397499E+21	1,397483E+21	2,795413E+21	5,615627E+21
1503	9,330548E+21	1,294448E+22	1,526093E+22	1,526080E+22	1,294397E+22	9,329951E+21	5,615264E+21	2,795226E+21	1,397397E+21	1,397498E+21	2,795526E+21	5,615719E+21
1504	9,330445E+21	1,294408E+22	1,526014E+22	1,526007E+22	1,294398E+22	9,330415E+21	5,615745E+21	2,795572E+21	1,397552E+21	1,397466E+21	2,795293E+21	5,615296E+21
1505	9,329934E+21	1,294388E+22	1,526063E+22	1,526074E+22	1,294433E+22	9,330472E+21	5,615643E+21	2,795520E+21	1,397627E+21	1,397650E+21	2,795577E+21	5,615680E+21
1506	9,330403E+21	1,294418E+22	1,526055E+22	1,526029E+22	1,294361E+22	9,329951E+21	5,615504E+21	2,795572E+21	1,397735E+21	1,397780E+21	2,795694E+21	5,615645E+21
1507	9,330007E+21	1,294325E+22	1,525932E+22	1,525960E+22	1,294372E+22	9,330403E+21	5,616012E+21	2,796008E+21	1,398033E+21	1,397952E+21	2,795732E+21	5,615529E+21
1508	9,329841E+21	1,294336E+22	1,525972E+22	1,525985E+22	1,294366E+22	9,330075E+21	5,615673E+21	2,795883E+21	1,398126E+21	1,398218E+21	2,796170E+21	5,616084E+21
1509	9,330296E+21	1,294334E+22	1,525904E+22	1,525875E+22	1,294282E+22	9,329878E+21	5,615840E+21	2,796121E+21	1,398312E+21	1,398318E+21	2,796138E+21	5,615838E+21
1510	9,329787E+21	1,294266E+22	1,525857E+22	1,525871E+22	1,294302E+22	9,330164E+21	5,616149E+21	2,796379E+21	1,398505E+21	1,398460E+21	2,796219E+21	5,615905E+21
1511	9,330071E+21	1,294328E+22	1,525917E+22	1,525895E+22	1,294271E+22	9,329551E+21	5,615693E+21	2,796205E+21	1,398533E+21	1,398639E+21	2,796522E+21	5,616170E+21
1512	9,330048E+21	1,294283E+22	1,525831E+22	1,525810E+22	1,294254E+22	9,329886E+21	5,616114E+21	2,796539E+21	1,398703E+21	1,398636E+21	2,796329E+21	5,615781E+21
1513	9,329471E+21	1,294233E+22	1,525845E+22	1,525881E+22	1,294317E+22	9,330179E+21	5,616119E+21	2,796475E+21	1,398699E+21	1,398694E+21	2,796462E+21	5,616083E+21
1514	9,330054E+21	1,294296E+22	1,525872E+22	1,525863E+22	1,294265E+22	9,329666E+21	5,615818E+21	2,796293E+21	1,398584E+21	1,398646E+21	2,796484E+21	5,616112E+21
1515	9,329915E+21	1,294246E+22	1,525789E+22	1,525802E+22	1,294275E+22	9,330136E+21	5,616253E+21	2,796528E+21	1,398607E+21	1,398498E+21	2,796182E+21	5,615735E+21
1516	9,329666E+21	1,294277E+22	1,525890E+22	1,525900E+22	1,294312E+22	9,330009E+21	5,615893E+21	2,796197E+21	1,398420E+21	1,398454E+21	2,796302E+21	5,616079E+21
1517	9,330217E+21	1,294326E+22	1,525905E+22	1,525875E+22	1,294267E+22	9,329724E+21	5,615775E+21	2,796086E+21	1,398274E+21	1,398278E+21	2,796085E+21	5,615768E+21
1518	9,329783E+21	1,294280E+22	1,525884E+22	1,525907E+22	1,294327E+22	9,330174E+21	5,616009E+21	2,796144E+21	1,398207E+21	1,398124E+21	2,795883E+21	5,615648E+21
1519	9,329976E+21	1,294352E+22	1,525982E+22	1,525982E+22	1,294351E+22	9,329859E+21	5,615485E+21	2,795728E+21	1,397989E+21	1,398089E+21	2,796050E+21	5,615986E+21
1520	9,330270E+21	1,294349E+22	1,525939E+22	1,525917E+22	1,294322E+22	9,330069E+21	5,615758E+21	2,795849E+21	1,397953E+21	1,397914E+21	2,795740E+21	5,615602E+21
1521	9,329846E+21	1,294311E+22	1,525950E+22	1,525984E+22	1,294386E+22	9,330413E+21	5,615882E+21	2,795859E+21	1,397937E+21	1,397896E+21	2,795725E+21	5,615701E+21
1522	9,330324E+21	1,294393E+22	1,526011E+22	1,525996E+22	1,294348E+22	9,329862E+21	5,615497E+21	2,795659E+21	1,397868E+21	1,397942E+21	2,795874E+21	5,615826E+21
1523	9,330205E+21	1,294346E+22	1,525927E+22	1,525910E+22	1,294326E+22	9,330152E+21	5,615939E+21	2,796033E+21	1,398074E+21	1,397983E+21	2,795738E+21	5,615474E+21
1524	9,329661E+21	1,294311E+22	1,525965E+22	1,525982E+22	1,294368E+22	9,330213E+21	5,615825E+21	2,795983E+21	1,398166E+21	1,398194E+21	2,796056E+21	5,615891E+21
1525	9,330132E+21	1,294334E+22	1,525937E+22	1,525920E+22	1,294297E+22	9,329773E+21	5,615689E+21	2,796016E+21	1,398275E+21	1,398345E+21	2,796215E+21	5,615914E+21
1526	9,329823E+21	1,294258E+22	1,525828E+22	1,525845E+22	1,294291E+22	9,330106E+21	5,616151E+21	2,796418E+21	1,398533E+21	1,398468E+21	2,796201E+21	5,615804E+21
1527	9,329786E+21	1,294284E+22	1,525874E+22	1,525875E+22	1,294290E+22	9,329789E+21	5,615807E+21	2,796283E+21	1,398613E+21	1,398712E+21	2,796584E+21	5,616248E+21
1528	9,330123E+21	1,294281E+22	1,525818E+22	1,525774E+22	1,294207E+22	9,329611E+21	5,616024E+21	2,796572E+21	1,398824E+21	1,398821E+21	2,796555E+21	5,615991E+21
1529	9,329555E+21	1,294202E+22	1,525770E+22	1,525795E+22	1,294253E+22	9,329977E+21	5,616327E+21	2,796832E+21	1,399027E+21	1,398962E+21	2,796614E+21	5,615999E+21
1530	9,329734E+21	1,294253E+22	1,525823E+22	1,525818E+22	1,294234E+22	9,329507E+21	5,615921E+21	2,796644E+21	1,399032E+21	1,399124E+21	2,796932E+21	5,616350E+21
1531	9,329803E+21	1,294207E+22	1,525726E+22	1,525707E+22	1,294189E+22	9,329731E+21	5,616319E+21	2,796955E+21	1,399181E+21	1,399118E+21	2,796761E+21	5,616006E+21
1532	9,329307E+21	1,294163E+22	1,525741E+22	1,525779E+22	1,294248E+22	9,329980E+21	5,616328E+21	2,796881E+21	1,399146E+21	1,399138E+21	2,796839E+21	5,616245E+21
1533	9,329888E+21	1,294236E+22	1,525773E+22	1,525761E+22	1,294200E+22	9,329482E+21	5,615987E+21	2,796668E+21	1,399016E+21	1,399081E+21	2,796855E+21	5,616245E+21
1534	9,329730E+21	1,294203E+22	1,525721E+22	1,525714E+22	1,294202E+22	9,329822E+21	5,616334E+21	2,796852E+21	1,398999E+21	1,398895E+21	2,796524E+21	5,615879E+21
1535	9,329528E+21	1,294233E+22	1,525825E+22	1,525829E+22	1,294256E+22	9,329744E+21	5,615956E+21	2,796499E+21	1,398802E+21	1,398846E+21	2,796636E+21	5,616189E+21
1536	9,329989E+21	1,294269E+22	1,525830E+22	1,525804E+22	1,294219E+22	9,329539E+21	5,615889E+21	2,796420E+21	1,398675E+21	1,398685E+21	2,796455E+21	5,615962E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,329628E+21	1,294219E+22	1,525797E+22	1,525838E+22	1,294293E+22	9,330084E+21	5,616151E+21	2,796481E+21	1,398610E+21	1,398524E+21	2,796221E+21	5,615799E+21
1538	9,329830E+21	1,294297E+22	1,525896E+22	1,525900E+22	1,294307E+22	9,329817E+21	5,615703E+21	2,796098E+21	1,398394E+21	1,398478E+21	2,796375E+21	5,616148E+21
1539	9,330161E+21	1,294300E+22	1,525856E+22	1,525818E+22	1,294249E+22	9,329842E+21	5,615940E+21	2,796249E+21	1,398401E+21	1,398352E+21	2,796101E+21	5,615739E+21
1540	9,329670E+21	1,294259E+22	1,525872E+22	1,525899E+22	1,294318E+22	9,330171E+21	5,616074E+21	2,796288E+21	1,398420E+21	1,398370E+21	2,796100E+21	5,615778E+21
1541	9,330002E+21	1,294323E+22	1,525920E+22	1,525910E+22	1,294291E+22	9,329670E+21	5,615668E+21	2,796093E+21	1,398385E+21	1,398468E+21	2,796324E+21	5,615960E+21
1542	9,329863E+21	1,294273E+22	1,525834E+22	1,525819E+22	1,294262E+22	9,329905E+21	5,616061E+21	2,796432E+21	1,398572E+21	1,398499E+21	2,796213E+21	5,615724E+21
1543	9,329486E+21	1,294240E+22	1,525855E+22	1,525879E+22	1,294304E+22	9,330021E+21	5,615972E+21	2,796371E+21	1,398648E+21	1,398697E+21	2,796507E+21	5,616120E+21
1544	9,329965E+21	1,294264E+22	1,525824E+22	1,525804E+22	1,294221E+22	9,329556E+21	5,615901E+21	2,796464E+21	1,398780E+21	1,398851E+21	2,796669E+21	5,616166E+21
1545	9,329724E+21	1,294198E+22	1,525726E+22	1,525746E+22	1,294229E+22	9,329898E+21	5,616339E+21	2,796870E+21	1,399049E+21	1,398967E+21	2,796602E+21	5,615947E+21
1546	9,329598E+21	1,294230E+22	1,525788E+22	1,525782E+22	1,294227E+22	9,329621E+21	5,616032E+21	2,796748E+21	1,399132E+21	1,399211E+21	2,796993E+21	5,616403E+21
1547	9,329884E+21	1,294217E+22	1,525728E+22	1,525678E+22	1,294133E+22	9,329330E+21	5,616206E+21	2,797040E+21	1,399366E+21	1,399359E+21	2,797017E+21	5,616180E+21
1548	9,329305E+21	1,294129E+22	1,525673E+22	1,525708E+22	1,294195E+22	9,329785E+21	5,616512E+21	2,797272E+21	1,399549E+21	1,399490E+21	2,797066E+21	5,616179E+21
1549	9,329467E+21	1,294174E+22	1,525709E+22	1,525715E+22	1,294177E+22	9,329398E+21	5,616125E+21	2,797061E+21	1,399528E+21	1,399633E+21	2,797382E+21	5,616549E+21
1550	9,329609E+21	1,294147E+22	1,525630E+22	1,525603E+22	1,294116E+22	9,329484E+21	5,616469E+21	2,797324E+21	1,399614E+21	1,399557E+21	2,797151E+21	5,616216E+21
1551	9,329231E+21	1,294117E+22	1,525654E+22	1,525683E+22	1,294179E+22	9,329721E+21	5,616442E+21	2,797223E+21	1,399552E+21	1,399543E+21	2,797165E+21	5,616335E+21
1552	9,329668E+21	1,294185E+22	1,525697E+22	1,525676E+22	1,294134E+22	9,329234E+21	5,616133E+21	2,797038E+21	1,399434E+21	1,399492E+21	2,797200E+21	5,616361E+21
1553	9,329503E+21	1,294145E+22	1,525646E+22	1,525654E+22	1,294162E+22	9,329632E+21	5,616441E+21	2,797199E+21	1,399414E+21	1,399299E+21	2,796852E+21	5,615967E+21
1554	9,329266E+21	1,294174E+22	1,525745E+22	1,525761E+22	1,294221E+22	9,329691E+21	5,616124E+21	2,796843E+21	1,399201E+21	1,399237E+21	2,796982E+21	5,616366E+21
1555	9,329816E+21	1,294209E+22	1,525740E+22	1,525716E+22	1,294161E+22	9,329383E+21	5,616055E+21	2,796771E+21	1,399083E+21	1,399097E+21	2,796825E+21	5,616169E+21
1556	9,329538E+21	1,294166E+22	1,525710E+22	1,525753E+22	1,294233E+22	9,329917E+21	5,616336E+21	2,796846E+21	1,399023E+21	1,398933E+21	2,796559E+21	5,615928E+21
1557	9,329662E+21	1,294244E+22	1,525809E+22	1,525811E+22	1,294250E+22	9,329683E+21	5,615891E+21	2,796482E+21	1,398834E+21	1,398916E+21	2,796735E+21	5,616245E+21
1558	9,329935E+21	1,294255E+22	1,525788E+22	1,525736E+22	1,294180E+22	9,329566E+21	5,616062E+21	2,796614E+21	1,398837E+21	1,398796E+21	2,796489E+21	5,615895E+21
1559	9,329474E+21	1,294202E+22	1,525789E+22	1,525819E+22	1,294260E+22	9,329931E+21	5,616185E+21	2,796659E+21	1,398878E+21	1,398840E+21	2,796506E+21	5,615915E+21
1560	9,329700E+21	1,294249E+22	1,525820E+22	1,525820E+22	1,294235E+22	9,329503E+21	5,615842E+21	2,796504E+21	1,398874E+21	1,398972E+21	2,796791E+21	5,616215E+21
1561	9,329696E+21	1,294198E+22	1,525721E+22	1,525724E+22	1,294207E+22	9,329744E+21	5,616238E+21	2,796848E+21	1,399067E+21	1,398996E+21	2,796645E+21	5,615941E+21
1562	9,329358E+21	1,294180E+22	1,525748E+22	1,525769E+22	1,294236E+22	9,329876E+21	5,616212E+21	2,796821E+21	1,399145E+21	1,399179E+21	2,796924E+21	5,616343E+21
1563	9,329852E+21	1,294210E+22	1,525727E+22	1,525690E+22	1,294133E+22	9,329231E+21	5,616081E+21	2,796928E+21	1,399313E+21	1,399373E+21	2,797105E+21	5,616347E+21
1564	9,329546E+21	1,294141E+22	1,525639E+22	1,525650E+22	1,294151E+22	9,329602E+21	5,616521E+21	2,797335E+21	1,399593E+21	1,399505E+21	2,797037E+21	5,616059E+21
1565	9,329266E+21	1,294156E+22	1,525691E+22	1,525693E+22	1,294168E+22	9,329445E+21	5,616229E+21	2,797213E+21	1,399683E+21	1,399767E+21	2,797465E+21	5,616540E+21
1566	9,329546E+21	1,294145E+22	1,525633E+22	1,525588E+22	1,294071E+22	9,329115E+21	5,616355E+21	2,797446E+21	1,399866E+21	1,399875E+21	2,797482E+21	5,616409E+21
1567	9,329114E+21	1,294060E+22	1,525565E+22	1,525609E+22	1,294136E+22	9,329623E+21	5,616680E+21	2,797658E+21	1,400011E+21	1,399960E+21	2,797470E+21	5,616341E+21
1568	9,329239E+21	1,294105E+22	1,525604E+22	1,525611E+22	1,294111E+22	9,329229E+21	5,616340E+21	2,797476E+21	1,399984E+21	1,400082E+21	2,797770E+21	5,616728E+21
1569	9,329452E+21	1,294086E+22	1,525534E+22	1,525516E+22	1,294060E+22	9,329291E+21	5,616636E+21	2,797716E+21	1,400055E+21	1,399979E+21	2,797485E+21	5,616316E+21
1570	9,329025E+21	1,294066E+22	1,525576E+22	1,525601E+22	1,294121E+22	9,329560E+21	5,616636E+21	2,797614E+21	1,399981E+21	1,399953E+21	2,797515E+21	5,616478E+21
1571	9,329439E+21	1,294126E+22	1,525616E+22	1,525594E+22	1,294070E+22	9,328962E+21	5,616260E+21	2,797418E+21	1,399881E+21	1,399939E+21	2,797602E+21	5,616559E+21
1572	9,329327E+21	1,294086E+22	1,525562E+22	1,525578E+22	1,294111E+22	9,329461E+21	5,616571E+21	2,797539E+21	1,399841E+21	1,399741E+21	2,797245E+21	5,616158E+21

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°
1573	9,329104E+21	1,294115E+22	1,525651E+22	1,525672E+22	1,294170E+22	9,329590E+21	5,616296E+21	2,797187E+21	1,399616E+21	1,399668E+21	2,797365E+21	5,616545E+21
1574	9,329708E+21	1,294167E+22	1,525664E+22	1,525629E+22	1,294095E+22	9,329141E+21	5,616168E+21	2,797087E+21	1,399464E+21	1,399486E+21	2,797167E+21	5,616349E+21
1575	9,329482E+21	1,294131E+22	1,525639E+22	1,525672E+22	1,294173E+22	9,329682E+21	5,616441E+21	2,797172E+21	1,399414E+21	1,399322E+21	2,796865E+21	5,615987E+21
1576	9,329395E+21	1,294191E+22	1,525735E+22	1,525734E+22	1,294192E+22	9,329481E+21	5,616063E+21	2,796867E+21	1,399270E+21	1,399347E+21	2,797095E+21	5,616351E+21
1577	9,329645E+21	1,294185E+22	1,525701E+22	1,525672E+22	1,294141E+22	9,329407E+21	5,616218E+21	2,797005E+21	1,399297E+21	1,399250E+21	2,796871E+21	5,616022E+21
1578	9,329194E+21	1,294133E+22	1,525690E+22	1,525731E+22	1,294212E+22	9,329855E+21	5,616406E+21	2,797067E+21	1,399342E+21	1,399302E+21	2,796929E+21	5,616141E+21
1579	9,329488E+21	1,294175E+22	1,525706E+22	1,525707E+22	1,294159E+22	9,329281E+21	5,616052E+21	2,796942E+21	1,399374E+21	1,399472E+21	2,797243E+21	5,616469E+21
1580	9,329592E+21	1,294139E+22	1,525617E+22	1,525615E+22	1,294131E+22	9,329504E+21	5,616432E+21	2,797282E+21	1,399574E+21	1,399503E+21	2,797070E+21	5,616114E+21
1581	9,329183E+21	1,294123E+22	1,525650E+22	1,525662E+22	1,294161E+22	9,329640E+21	5,616410E+21	2,797279E+21	1,399677E+21	1,399708E+21	2,797360E+21	5,616473E+21
1582	9,329615E+21	1,294159E+22	1,525648E+22	1,525598E+22	1,294056E+22	9,328894E+21	5,616215E+21	2,797358E+21	1,399830E+21	1,399895E+21	2,797558E+21	5,616535E+21
1583	9,329325E+21	1,294080E+22	1,525550E+22	1,525568E+22	1,294093E+22	9,329347E+21	5,616645E+21	2,797753E+21	1,400108E+21	1,400029E+21	2,797483E+21	5,616211E+21
1584	9,328929E+21	1,294075E+22	1,525584E+22	1,525600E+22	1,294114E+22	9,329317E+21	5,616446E+21	2,797655E+21	1,400201E+21	1,400293E+21	2,797938E+21	5,616775E+21
1585	9,329330E+21	1,294065E+22	1,525518E+22	1,525495E+22	1,294020E+22	9,328998E+21	5,616576E+21	2,797874E+21	1,400356E+21	1,400361E+21	2,797896E+21	5,616595E+21
1586	9,328949E+21	1,294000E+22	1,525459E+22	1,525500E+22	1,294071E+22	9,329496E+21	5,616930E+21	2,798092E+21	1,400477E+21	1,400409E+21	2,797855E+21	5,616522E+21
1587	9,329048E+21	1,294046E+22	1,525507E+22	1,525503E+22	1,294030E+22	9,328937E+21	5,616521E+21	2,797910E+21	1,400469E+21	1,400551E+21	2,798160E+21	5,616884E+21
1588	9,329262E+21	1,294032E+22	1,525452E+22	1,525429E+22	1,293992E+22	9,329018E+21	5,616779E+21	2,798110E+21	1,400525E+21	1,400446E+21	2,797872E+21	5,616434E+21
1589	9,328748E+21	1,294002E+22	1,525489E+22	1,525520E+22	1,294069E+22	9,329371E+21	5,616781E+21	2,797992E+21	1,400437E+21	1,400417E+21	2,797921E+21	5,616635E+21
1590	9,329223E+21	1,294072E+22	1,525536E+22	1,525514E+22	1,294014E+22	9,328743E+21	5,616352E+21	2,797726E+21	1,400274E+21	1,400353E+21	2,797992E+21	5,616799E+21
1591	9,329263E+21	1,294040E+22	1,525480E+22	1,525496E+22	1,294059E+22	9,329282E+21	5,616677E+21	2,797834E+21	1,400203E+21	1,400113E+21	2,797567E+21	5,616302E+21
1592	9,328961E+21	1,294067E+22	1,525572E+22	1,525591E+22	1,294118E+22	9,329450E+21	5,616475E+21	2,797527E+21	1,399993E+21	1,400039E+21	2,797677E+21	5,616676E+21
1593	9,329562E+21	1,294120E+22	1,525592E+22	1,525563E+22	1,294051E+22	9,328976E+21	5,616322E+21	2,797433E+21	1,399855E+21	1,399860E+21	2,797451E+21	5,616399E+21
1594	9,329242E+21	1,294083E+22	1,525568E+22	1,525599E+22	1,294124E+22	9,329554E+21	5,616646E+21	2,797558E+21	1,399832E+21	1,399725E+21	2,797208E+21	5,616102E+21
1595	9,329076E+21	1,294120E+22	1,525644E+22	1,525652E+22	1,294135E+22	9,329252E+21	5,616222E+21	2,797278E+21	1,399745E+21	1,399819E+21	2,797512E+21	5,616543E+21
1596	9,329413E+21	1,294114E+22	1,525598E+22	1,525577E+22	1,294083E+22	9,329236E+21	5,616392E+21	2,797404E+21	1,399783E+21	1,399749E+21	2,797317E+21	5,616241E+21
1597	9,329003E+21	1,294064E+22	1,525578E+22	1,525619E+22	1,294143E+22	9,329680E+21	5,616622E+21	2,797498E+21	1,399840E+21	1,399810E+21	2,797377E+21	5,616358E+21
1598	9,329375E+21	1,294128E+22	1,525613E+22	1,525597E+22	1,294075E+22	9,328942E+21	5,616182E+21	2,797343E+21	1,399855E+21	1,399961E+21	2,797672E+21	5,616695E+21
1599	9,329505E+21	1,294096E+22	1,525535E+22	1,525518E+22	1,294057E+22	9,329172E+21	5,616535E+21	2,797682E+21	1,400065E+21	1,399995E+21	2,797467E+21	5,616221E+21
1600	9,328892E+21	1,294060E+22	1,525565E+22	1,525576E+22	1,294099E+22	9,329395E+21	5,616586E+21	2,797725E+21	1,400200E+21	1,400231E+21	2,797803E+21	5,616625E+21
1601	9,329296E+21	1,294079E+22	1,525549E+22	1,525526E+22	1,294015E+22	9,328737E+21	5,616393E+21	2,797798E+21	1,400354E+21	1,400417E+21	2,797996E+21	5,616690E+21
1602	9,329022E+21	1,294003E+22	1,525442E+22	1,525471E+22	1,294043E+22	9,329301E+21	5,616917E+21	2,798209E+21	1,400616E+21	1,400535E+21	2,797943E+21	5,616445E+21
1603	9,328666E+21	1,293991E+22	1,525463E+22	1,525484E+22	1,294041E+22	9,329127E+21	5,616703E+21	2,798137E+21	1,400726E+21	1,400809E+21	2,798389E+21	5,617007E+21
1604	9,329180E+21	1,294000E+22	1,525408E+22	1,525379E+22	1,293947E+22	9,328798E+21	5,616803E+21	2,798326E+21	1,400867E+21	1,400865E+21	2,798318E+21	5,616763E+21
1605	9,328752E+21	1,293941E+22	1,525361E+22	1,525389E+22	1,293995E+22	9,329261E+21	5,617132E+21	2,798534E+21	1,400978E+21	1,400906E+21	2,798270E+21	5,616663E+21
1606	9,328845E+21	1,293997E+22	1,525429E+22	1,525410E+22	1,293954E+22	9,328580E+21	5,616613E+21	2,798283E+21	1,400924E+21	1,401015E+21	2,798576E+21	5,617094E+21
1607	9,329120E+21	1,293981E+22	1,525376E+22	1,525355E+22	1,293939E+22	9,328738E+21	5,616822E+21	2,798430E+21	1,400945E+21	1,400881E+21	2,798256E+21	5,616608E+21
1608	9,328549E+21	1,293942E+22	1,525404E+22	1,525441E+22	1,294020E+22	9,329216E+21	5,616919E+21	2,798326E+21	1,400842E+21	1,400834E+21	2,798303E+21	5,616856E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1609	9,329114E+21	1,294014E+22	1,525451E+22	1,525444E+22	1,293976E+22	9,328629E+21	5,616513E+21	2,798054E+21	1,400650E+21	1,400721E+21	2,798293E+21	5,616930E+21
1610	9,329155E+21	1,294001E+22	1,525410E+22	1,525417E+22	1,294010E+22	9,329173E+21	5,616876E+21	2,798183E+21	1,400572E+21	1,400465E+21	2,797857E+21	5,616400E+21
1611	9,328723E+21	1,294012E+22	1,525496E+22	1,525507E+22	1,294054E+22	9,329224E+21	5,616655E+21	2,797921E+21	1,400419E+21	1,400443E+21	2,797992E+21	5,616743E+21
1612	9,329284E+21	1,294061E+22	1,525515E+22	1,525487E+22	1,294001E+22	9,328809E+21	5,616492E+21	2,797816E+21	1,400303E+21	1,400305E+21	2,797812E+21	5,616479E+21
1613	9,328899E+21	1,294012E+22	1,525474E+22	1,525511E+22	1,294074E+22	9,329414E+21	5,616827E+21	2,797958E+21	1,400302E+21	1,400202E+21	2,797623E+21	5,616264E+21
1614	9,328838E+21	1,294054E+22	1,525546E+22	1,525553E+22	1,294070E+22	9,329020E+21	5,616351E+21	2,797639E+21	1,400188E+21	1,400281E+21	2,797946E+21	5,616816E+21
1615	9,329341E+21	1,294058E+22	1,525501E+22	1,525478E+22	1,294018E+22	9,328970E+21	5,616497E+21	2,797761E+21	1,400221E+21	1,400197E+21	2,797711E+21	5,616439E+21
1616	9,328867E+21	1,294009E+22	1,525487E+22	1,525519E+22	1,294073E+22	9,329425E+21	5,616785E+21	2,797901E+21	1,400305E+21	1,400276E+21	2,797782E+21	5,616550E+21
1617	9,329225E+21	1,294072E+22	1,525531E+22	1,525516E+22	1,294018E+22	9,328714E+21	5,616345E+21	2,797755E+21	1,400334E+21	1,400430E+21	2,798053E+21	5,616814E+21
1618	9,329269E+21	1,294042E+22	1,525458E+22	1,525436E+22	1,294000E+22	9,328997E+21	5,616747E+21	2,798125E+21	1,400564E+21	1,400492E+21	2,797904E+21	5,616390E+21
1619	9,328555E+21	1,293979E+22	1,525461E+22	1,525483E+22	1,294040E+22	9,329197E+21	5,616797E+21	2,798206E+21	1,400753E+21	1,400781E+21	2,798282E+21	5,616845E+21
1620	9,329053E+21	1,294000E+22	1,525432E+22	1,525418E+22	1,293958E+22	9,328635E+21	5,616637E+21	2,798265E+21	1,400904E+21	1,400975E+21	2,798482E+21	5,616913E+21
1621	9,328805E+21	1,293928E+22	1,525322E+22	1,525347E+22	1,293970E+22	9,329149E+21	5,617185E+21	2,798696E+21	1,401158E+21	1,401075E+21	2,798405E+21	5,616658E+21
1622	9,328530E+21	1,293935E+22	1,525361E+22	1,525365E+22	1,293953E+22	9,328786E+21	5,616858E+21	2,798569E+21	1,401228E+21	1,401309E+21	2,798819E+21	5,617221E+21
1623	9,329063E+21	1,293951E+22	1,525323E+22	1,525280E+22	1,293870E+22	9,328437E+21	5,616896E+21	2,798723E+21	1,401345E+21	1,401341E+21	2,798710E+21	5,616885E+21
1624	9,328486E+21	1,293880E+22	1,525280E+22	1,525307E+22	1,293932E+22	9,328980E+21	5,617260E+21	2,798929E+21	1,401447E+21	1,401378E+21	2,798685E+21	5,616838E+21
1625	9,328604E+21	1,293929E+22	1,525345E+22	1,525344E+22	1,293914E+22	9,328411E+21	5,616733E+21	2,798636E+21	1,401355E+21	1,401447E+21	2,798944E+21	5,617247E+21
1626	9,328921E+21	1,293924E+22	1,525294E+22	1,525275E+22	1,293895E+22	9,328674E+21	5,617017E+21	2,798777E+21	1,401338E+21	1,401277E+21	2,798614E+21	5,616790E+21
1627	9,328360E+21	1,293879E+22	1,525312E+22	1,525352E+22	1,293965E+22	9,329062E+21	5,617111E+21	2,798706E+21	1,401255E+21	1,401230E+21	2,798628E+21	5,616997E+21
1628	9,328982E+21	1,293964E+22	1,525366E+22	1,525355E+22	1,293924E+22	9,328517E+21	5,616703E+21	2,798425E+21	1,401067E+21	1,401123E+21	2,798602E+21	5,616995E+21
1629	9,328907E+21	1,293948E+22	1,525333E+22	1,525330E+22	1,293952E+22	9,329023E+21	5,617083E+21	2,798580E+21	1,401008E+21	1,400889E+21	2,798195E+21	5,616480E+21
1630	9,328471E+21	1,293957E+22	1,525420E+22	1,525427E+22	1,293992E+22	9,328934E+21	5,616756E+21	2,798276E+21	1,400845E+21	1,400876E+21	2,798378E+21	5,616918E+21
1631	9,329076E+21	1,294000E+22	1,525431E+22	1,525408E+22	1,293949E+22	9,328567E+21	5,616555E+21	2,798145E+21	1,400726E+21	1,400746E+21	2,798215E+21	5,616678E+21
1632	9,328704E+21	1,293945E+22	1,525378E+22	1,525416E+22	1,294015E+22	9,329231E+21	5,616968E+21	2,798308E+21	1,400730E+21	1,400654E+21	2,798053E+21	5,616535E+21
1633	9,328768E+21	1,293995E+22	1,525452E+22	1,525463E+22	1,294012E+22	9,328822E+21	5,616500E+21	2,797999E+21	1,400612E+21	1,400705E+21	2,798310E+21	5,617004E+21
1634	9,329278E+21	1,294019E+22	1,525425E+22	1,525385E+22	1,293953E+22	9,328767E+21	5,616672E+21	2,798148E+21	1,400657E+21	1,400630E+21	2,798082E+21	5,616591E+21
1635	9,328654E+21	1,293952E+22	1,525404E+22	1,525429E+22	1,294004E+22	9,329142E+21	5,616955E+21	2,798348E+21	1,400812E+21	1,400766E+21	2,798176E+21	5,616674E+21
1636	9,328957E+21	1,294006E+22	1,525442E+22	1,525430E+22	1,293966E+22	9,328561E+21	5,616546E+21	2,798212E+21	1,400871E+21	1,400964E+21	2,798491E+21	5,616936E+21
1637	9,328913E+21	1,293961E+22	1,525354E+22	1,525338E+22	1,293945E+22	9,328891E+21	5,616999E+21	2,798611E+21	1,401119E+21	1,401049E+21	2,798383E+21	5,616588E+21
1638	9,328308E+21	1,293902E+22	1,525346E+22	1,525369E+22	1,293968E+22	9,328985E+21	5,617001E+21	2,798658E+21	1,401280E+21	1,401316E+21	2,798762E+21	5,617106E+21
1639	9,328917E+21	1,293935E+22	1,525324E+22	1,525306E+22	1,293885E+22	9,328380E+21	5,616802E+21	2,798701E+21	1,401411E+21	1,401482E+21	2,798917E+21	5,617108E+21
1640	9,328625E+21	1,293866E+22	1,525221E+22	1,525234E+22	1,293891E+22	9,328876E+21	5,617366E+21	2,799139E+21	1,401664E+21	1,401579E+21	2,798840E+21	5,616854E+21
1641	9,328345E+21	1,293872E+22	1,525272E+22	1,525277E+22	1,293887E+22	9,328520E+21	5,617012E+21	2,798987E+21	1,401712E+21	1,401781E+21	2,799205E+21	5,617353E+21
1642	9,328841E+21	1,293895E+22	1,525247E+22	1,525202E+22	1,293813E+22	9,328211E+21	5,617044E+21	2,799119E+21	1,401806E+21	1,401805E+21	2,799125E+21	5,617060E+21
1643	9,328202E+21	1,293805E+22	1,525184E+22	1,525221E+22	1,293876E+22	9,328764E+21	5,617402E+21	2,799335E+21	1,401927E+21	1,401855E+21	2,799104E+21	5,617048E+21
1644	9,328439E+21	1,293864E+22	1,525246E+22	1,525250E+22	1,293867E+22	9,328361E+21	5,616941E+21	2,799020E+21	1,401808E+21	1,401902E+21	2,799332E+21	5,617417E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,328755E+21	1,293867E+22	1,525203E+22	1,525178E+22	1,293836E+22	9,328564E+21	5,617244E+21	2,799175E+21	1,401775E+21	1,401705E+21	2,798960E+21	5,616925E+21
1646	9,328242E+21	1,293835E+22	1,525233E+22	1,525259E+22	1,293896E+22	9,328797E+21	5,617237E+21	2,799060E+21	1,401665E+21	1,401633E+21	2,798953E+21	5,617111E+21
1647	9,328818E+21	1,293919E+22	1,525299E+22	1,525280E+22	1,293867E+22	9,328246E+21	5,616780E+21	2,798756E+21	1,401468E+21	1,401522E+21	2,798922E+21	5,617059E+21
1648	9,328605E+21	1,293885E+22	1,525255E+22	1,525257E+22	1,293899E+22	9,328808E+21	5,617194E+21	2,798920E+21	1,401419E+21	1,401312E+21	2,798579E+21	5,616651E+21
1649	9,328230E+21	1,293884E+22	1,525331E+22	1,525356E+22	1,293950E+22	9,328799E+21	5,616879E+21	2,798599E+21	1,401240E+21	1,401279E+21	2,798737E+21	5,617100E+21
1650	9,328933E+21	1,293943E+22	1,525345E+22	1,525322E+22	1,293897E+22	9,328455E+21	5,616730E+21	2,798480E+21	1,401110E+21	1,401145E+21	2,798595E+21	5,616896E+21
1651	9,328576E+21	1,293886E+22	1,525284E+22	1,525320E+22	1,293949E+22	9,329002E+21	5,617130E+21	2,798700E+21	1,401170E+21	1,401082E+21	2,798418E+21	5,616720E+21
1652	9,328691E+21	1,293950E+22	1,525367E+22	1,525365E+22	1,293951E+22	9,328672E+21	5,616691E+21	2,798407E+21	1,401081E+21	1,401164E+21	2,798673E+21	5,617106E+21
1653	9,329053E+21	1,293966E+22	1,525348E+22	1,525296E+22	1,293889E+22	9,328578E+21	5,616886E+21	2,798599E+21	1,401164E+21	1,401127E+21	2,798481E+21	5,616708E+21
1654	9,328415E+21	1,293891E+22	1,525319E+22	1,525343E+22	1,293939E+22	9,328860E+21	5,617086E+21	2,798776E+21	1,401328E+21	1,401287E+21	2,798628E+21	5,616866E+21
1655	9,328718E+21	1,293935E+22	1,525343E+22	1,525339E+22	1,293910E+22	9,328354E+21	5,616684E+21	2,798636E+21	1,401392E+21	1,401496E+21	2,798959E+21	5,617143E+21
1656	9,328661E+21	1,293881E+22	1,525241E+22	1,525230E+22	1,293878E+22	9,328730E+21	5,617222E+21	2,799064E+21	1,401644E+21	1,401588E+21	2,798878E+21	5,616864E+21
1657	9,328162E+21	1,293829E+22	1,525236E+22	1,525264E+22	1,293898E+22	9,328769E+21	5,617201E+21	2,799103E+21	1,401786E+21	1,401814E+21	2,799179E+21	5,617283E+21
1658	9,328756E+21	1,293879E+22	1,525231E+22	1,525199E+22	1,293809E+22	9,328137E+21	5,617000E+21	2,799145E+21	1,401910E+21	1,401977E+21	2,799340E+21	5,617258E+21
1659	9,328349E+21	1,293796E+22	1,525125E+22	1,525135E+22	1,293815E+22	9,328560E+21	5,617522E+21	2,799599E+21	1,402195E+21	1,402096E+21	2,799266E+21	5,617003E+21
1660	9,328091E+21	1,293803E+22	1,525173E+22	1,525182E+22	1,293831E+22	9,328356E+21	5,617185E+21	2,799424E+21	1,402236E+21	1,402302E+21	2,799640E+21	5,617498E+21
1661	9,328541E+21	1,293820E+22	1,525147E+22	1,525110E+22	1,293759E+22	9,328104E+21	5,617260E+21	2,799549E+21	1,402305E+21	1,402305E+21	2,799554E+21	5,617265E+21
1662	9,328056E+21	1,293743E+22	1,525085E+22	1,525124E+22	1,293812E+22	9,328550E+21	5,617551E+21	2,799709E+21	1,402372E+21	1,402307E+21	2,799504E+21	5,617268E+21
1663	9,328357E+21	1,293815E+22	1,525159E+22	1,525159E+22	1,293807E+22	9,328152E+21	5,617072E+21	2,799375E+21	1,402221E+21	1,402312E+21	2,799672E+21	5,617543E+21
1664	9,328580E+21	1,293816E+22	1,525125E+22	1,525092E+22	1,293774E+22	9,328374E+21	5,617399E+21	2,799527E+21	1,402178E+21	1,402110E+21	2,799309E+21	5,617060E+21
1665	9,328044E+21	1,293780E+22	1,525162E+22	1,525192E+22	1,293842E+22	9,328591E+21	5,617365E+21	2,799394E+21	1,402051E+21	1,402014E+21	2,799264E+21	5,617190E+21
1666	9,328574E+21	1,293866E+22	1,525230E+22	1,525215E+22	1,293821E+22	9,328082E+21	5,616908E+21	2,799082E+21	1,401852E+21	1,401917E+21	2,799286E+21	5,617209E+21
1667	9,328347E+21	1,293814E+22	1,525162E+22	1,525175E+22	1,293847E+22	9,328626E+21	5,617320E+21	2,799272E+21	1,401841E+21	1,401738E+21	2,798964E+21	5,616871E+21
1668	9,328136E+21	1,293828E+22	1,525232E+22	1,525258E+22	1,293897E+22	9,328726E+21	5,617073E+21	2,798967E+21	1,401668E+21	1,401709E+21	2,799108E+21	5,617278E+21
1669	9,328823E+21	1,293895E+22	1,525259E+22	1,525227E+22	1,293832E+22	9,328290E+21	5,616938E+21	2,798882E+21	1,401555E+21	1,401579E+21	2,798948E+21	5,617053E+21
1670	9,328503E+21	1,293846E+22	1,525207E+22	1,525228E+22	1,293874E+22	9,328683E+21	5,617238E+21	2,799078E+21	1,401622E+21	1,401530E+21	2,798786E+21	5,616851E+21
1671	9,328514E+21	1,293903E+22	1,525298E+22	1,525290E+22	1,293891E+22	9,328398E+21	5,616800E+21	2,798797E+21	1,401551E+21	1,401634E+21	2,799057E+21	5,617196E+21
1672	9,328723E+21	1,293896E+22	1,525262E+22	1,525219E+22	1,293834E+22	9,328384E+21	5,617040E+21	2,799011E+21	1,401662E+21	1,401640E+21	2,798939E+21	5,616899E+21
1673	9,328120E+21	1,293808E+22	1,525214E+22	1,525257E+22	1,293889E+22	9,328746E+21	5,617281E+21	2,799191E+21	1,401819E+21	1,401783E+21	2,799058E+21	5,617050E+21
1674	9,328495E+21	1,293864E+22	1,525238E+22	1,525240E+22	1,293850E+22	9,328235E+21	5,616918E+21	2,799066E+21	1,401878E+21	1,401990E+21	2,799404E+21	5,617351E+21
1675	9,328437E+21	1,293805E+22	1,525123E+22	1,525115E+22	1,293800E+22	9,328481E+21	5,617436E+21	2,799542E+21	1,402177E+21	1,402106E+21	2,799315E+21	5,617065E+21
1676	9,328013E+21	1,293768E+22	1,525126E+22	1,525145E+22	1,293823E+22	9,328598E+21	5,617435E+21	2,799581E+21	1,402328E+21	1,402344E+21	2,799610E+21	5,617415E+21
1677	9,328488E+21	1,293815E+22	1,525138E+22	1,525098E+22	1,293734E+22	9,327893E+21	5,617217E+21	2,799629E+21	1,402459E+21	1,402516E+21	2,799789E+21	5,617434E+21
1678	9,328141E+21	1,293732E+22	1,525028E+22	1,525040E+22	1,293744E+22	9,328226E+21	5,617615E+21	2,800012E+21	1,402715E+21	1,402627E+21	2,799741E+21	5,617244E+21
1679	9,327928E+21	1,293740E+22	1,525077E+22	1,525091E+22	1,293772E+22	9,328133E+21	5,617302E+21	2,799807E+21	1,402716E+21	1,402799E+21	2,800085E+21	5,617719E+21
1680	9,328376E+21	1,293757E+22	1,525048E+22	1,525014E+22	1,293697E+22	9,327938E+21	5,617436E+21	2,799928E+21	1,402754E+21	1,402769E+21	2,799977E+21	5,617497E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,327951E+21	1,293689E+22	1,525000E+22	1,525039E+22	1,293752E+22	9,328363E+21	5,617714E+21	2,800068E+21	1,402780E+21	1,402705E+21	2,799822E+21	5,617371E+21
1682	9,328193E+21	1,293773E+22	1,525091E+22	1,525082E+22	1,293749E+22	9,327973E+21	5,617238E+21	2,799726E+21	1,402614E+21	1,402698E+21	2,799988E+21	5,617600E+21
1683	9,328262E+21	1,293752E+22	1,525046E+22	1,525020E+22	1,293718E+22	9,328146E+21	5,617546E+21	2,799906E+21	1,402607E+21	1,402525E+21	2,799651E+21	5,617161E+21
1684	9,327784E+21	1,293716E+22	1,525069E+22	1,525109E+22	1,293800E+22	9,328517E+21	5,617539E+21	2,799763E+21	1,402485E+21	1,402445E+21	2,799629E+21	5,617307E+21
1685	9,328286E+21	1,293796E+22	1,525135E+22	1,525129E+22	1,293771E+22	9,328000E+21	5,617120E+21	2,799462E+21	1,402281E+21	1,402346E+21	2,799661E+21	5,617412E+21
1686	9,328263E+21	1,293761E+22	1,525069E+22	1,525081E+22	1,293781E+22	9,328374E+21	5,617431E+21	2,799609E+21	1,402250E+21	1,402155E+21	2,799340E+21	5,617093E+21
1687	9,328107E+21	1,293789E+22	1,525153E+22	1,525169E+22	1,293831E+22	9,328454E+21	5,617182E+21	2,799315E+21	1,402080E+21	1,402120E+21	2,799453E+21	5,617413E+21
1688	9,328666E+21	1,293850E+22	1,525185E+22	1,525145E+22	1,293769E+22	9,328063E+21	5,617080E+21	2,799248E+21	1,401988E+21	1,402018E+21	2,799329E+21	5,617204E+21
1689	9,328290E+21	1,293792E+22	1,525138E+22	1,525163E+22	1,293820E+22	9,328449E+21	5,617364E+21	2,799443E+21	1,402061E+21	1,401969E+21	2,799151E+21	5,616954E+21
1690	9,328228E+21	1,293840E+22	1,525217E+22	1,525218E+22	1,293844E+22	9,328253E+21	5,616964E+21	2,799181E+21	1,402013E+21	1,402109E+21	2,799483E+21	5,617354E+21
1691	9,328398E+21	1,293812E+22	1,525149E+22	1,525124E+22	1,293778E+22	9,328248E+21	5,617249E+21	2,799448E+21	1,402174E+21	1,402156E+21	2,799400E+21	5,617141E+21
1692	9,327971E+21	1,293738E+22	1,525089E+22	1,525135E+22	1,293825E+22	9,328671E+21	5,617549E+21	2,799659E+21	1,402348E+21	1,402309E+21	2,799506E+21	5,617239E+21
1693	9,328290E+21	1,293798E+22	1,525128E+22	1,525122E+22	1,293771E+22	9,328034E+21	5,617184E+21	2,799568E+21	1,402425E+21	1,402518E+21	2,799836E+21	5,617541E+21
1694	9,328306E+21	1,293749E+22	1,525023E+22	1,525003E+22	1,293711E+22	9,328086E+21	5,617560E+21	2,799991E+21	1,402716E+21	1,402644E+21	2,799769E+21	5,617249E+21
1695	9,327816E+21	1,293710E+22	1,525037E+22	1,525050E+22	1,293747E+22	9,328235E+21	5,617549E+21	2,800018E+21	1,402857E+21	1,402878E+21	2,800067E+21	5,617575E+21
1696	9,328187E+21	1,293742E+22	1,525040E+22	1,525008E+22	1,293673E+22	9,327666E+21	5,617363E+21	2,800046E+21	1,402972E+21	1,403049E+21	2,800278E+21	5,617677E+21
1697	9,327914E+21	1,293660E+22	1,524932E+22	1,524953E+22	1,293689E+22	9,328065E+21	5,617777E+21	2,800391E+21	1,403176E+21	1,403098E+21	2,800156E+21	5,617443E+21
1698	9,327771E+21	1,293684E+22	1,524988E+22	1,525003E+22	1,293716E+22	9,328012E+21	5,617512E+21	2,800190E+21	1,403149E+21	1,403236E+21	2,800465E+21	5,617872E+21
1699	9,328169E+21	1,293694E+22	1,524952E+22	1,524923E+22	1,293637E+22	9,327762E+21	5,617640E+21	2,800342E+21	1,403208E+21	1,403203E+21	2,800327E+21	5,617625E+21
1700	9,327781E+21	1,293638E+22	1,524909E+22	1,524945E+22	1,293698E+22	9,328272E+21	5,617939E+21	2,800480E+21	1,403233E+21	1,403138E+21	2,800158E+21	5,617423E+21
1701	9,327860E+21	1,293710E+22	1,525013E+22	1,525005E+22	1,293695E+22	9,327809E+21	5,617450E+21	2,800143E+21	1,403068E+21	1,403134E+21	2,800343E+21	5,617728E+21
1702	9,328036E+21	1,293688E+22	1,524955E+22	1,524937E+22	1,293659E+22	9,327869E+21	5,617629E+21	2,800253E+21	1,403041E+21	1,402971E+21	2,800058E+21	5,617382E+21
1703	9,327650E+21	1,293660E+22	1,524979E+22	1,525021E+22	1,293742E+22	9,328306E+21	5,617656E+21	2,800094E+21	1,402891E+21	1,402870E+21	2,800025E+21	5,617530E+21
1704	9,328179E+21	1,293744E+22	1,525045E+22	1,525037E+22	1,293708E+22	9,327798E+21	5,617259E+21	2,799793E+21	1,402679E+21	1,402760E+21	2,800048E+21	5,617644E+21
1705	9,328197E+21	1,293721E+22	1,524998E+22	1,525000E+22	1,293719E+22	9,328123E+21	5,617532E+21	2,799922E+21	1,402628E+21	1,402533E+21	2,799649E+21	5,617207E+21
1706	9,327978E+21	1,293754E+22	1,525096E+22	1,525101E+22	1,293777E+22	9,328237E+21	5,617305E+21	2,799644E+21	1,402472E+21	1,402514E+21	2,799776E+21	5,617472E+21
1707	9,328348E+21	1,293785E+22	1,525106E+22	1,525077E+22	1,293719E+22	9,327848E+21	5,617225E+21	2,799636E+21	1,402442E+21	1,402463E+21	2,799698E+21	5,617320E+21
1708	9,328007E+21	1,293723E+22	1,525037E+22	1,525075E+22	1,293779E+22	9,328416E+21	5,617590E+21	2,799864E+21	1,402546E+21	1,402452E+21	2,799558E+21	5,617083E+21
1709	9,327886E+21	1,293760E+22	1,525110E+22	1,525122E+22	1,293789E+22	9,328188E+21	5,617250E+21	2,799644E+21	1,402518E+21	1,402604E+21	2,799905E+21	5,617564E+21
1710	9,328248E+21	1,293743E+22	1,525033E+22	1,525010E+22	1,293702E+22	9,327977E+21	5,617431E+21	2,799889E+21	1,402685E+21	1,402670E+21	2,799856E+21	5,617383E+21
1711	9,327872E+21	1,293685E+22	1,524987E+22	1,525020E+22	1,293742E+22	9,328361E+21	5,617723E+21	2,800106E+21	1,402862E+21	1,402824E+21	2,799946E+21	5,617420E+21
1712	9,328083E+21	1,293738E+22	1,525032E+22	1,525015E+22	1,293690E+22	9,327729E+21	5,617351E+21	2,800014E+21	1,402952E+21	1,403054E+21	2,800310E+21	5,617747E+21
1713	9,328069E+21	1,293687E+22	1,524941E+22	1,524918E+22	1,293642E+22	9,327759E+21	5,617668E+21	2,800399E+21	1,403221E+21	1,403156E+21	2,800212E+21	5,617430E+21
1714	9,327580E+21	1,293647E+22	1,524950E+22	1,524969E+22	1,293692E+22	9,328015E+21	5,617687E+21	2,800416E+21	1,403352E+21	1,403390E+21	2,800528E+21	5,617775E+21
1715	9,327915E+21	1,293662E+22	1,524930E+22	1,524913E+22	1,293618E+22	9,327519E+21	5,617571E+21	2,800482E+21	1,403480E+21	1,403558E+21	2,800727E+21	5,617915E+21
1716	9,327791E+21	1,293600E+22	1,524822E+22	1,524844E+22	1,293633E+22	9,328009E+21	5,618045E+21	2,800842E+21	1,403673E+21	1,403583E+21	2,800552E+21	5,617581E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,327536E+21	1,293624E+22	1,524896E+22	1,524905E+22	1,293652E+22	9,327875E+21	5,617790E+21	2,800661E+21	1,403644E+21	1,403698E+21	2,800818E+21	5,617988E+21
1718	9,327975E+21	1,293637E+22	1,524864E+22	1,524830E+22	1,293568E+22	9,327461E+21	5,617775E+21	2,800747E+21	1,403681E+21	1,403670E+21	2,800713E+21	5,617752E+21
1719	9,327542E+21	1,293580E+22	1,524825E+22	1,524860E+22	1,293636E+22	9,327984E+21	5,618055E+21	2,800859E+21	1,403683E+21	1,403595E+21	2,800555E+21	5,617562E+21
1720	9,327553E+21	1,293637E+22	1,524915E+22	1,524919E+22	1,293642E+22	9,327630E+21	5,617580E+21	2,800491E+21	1,403497E+21	1,403583E+21	2,800767E+21	5,617963E+21
1721	9,327853E+21	1,293626E+22	1,524870E+22	1,524855E+22	1,293605E+22	9,327666E+21	5,617727E+21	2,800546E+21	1,403411E+21	1,403357E+21	2,800413E+21	5,617592E+21
1722	9,327584E+21	1,293617E+22	1,524904E+22	1,524939E+22	1,293685E+22	9,328097E+21	5,617779E+21	2,800394E+21	1,403249E+21	1,403237E+21	2,800350E+21	5,617678E+21
1723	9,328040E+21	1,293696E+22	1,524967E+22	1,524955E+22	1,293652E+22	9,327607E+21	5,617413E+21	2,800142E+21	1,403071E+21	1,403141E+21	2,800361E+21	5,617770E+21
1724	9,328073E+21	1,293682E+22	1,524925E+22	1,524919E+22	1,293671E+22	9,328013E+21	5,617721E+21	2,800295E+21	1,403049E+21	1,402940E+21	2,799966E+21	5,617256E+21
1725	9,327656E+21	1,293695E+22	1,525024E+22	1,525033E+22	1,293730E+22	9,328099E+21	5,617521E+21	2,800064E+21	1,402932E+21	1,402953E+21	2,800126E+21	5,617593E+21
1726	9,328103E+21	1,293716E+22	1,525010E+22	1,524993E+22	1,293667E+22	9,327629E+21	5,617351E+21	2,800022E+21	1,402918E+21	1,402951E+21	2,800133E+21	5,617537E+21
1727	9,327831E+21	1,293658E+22	1,524933E+22	1,524971E+22	1,293715E+22	9,328219E+21	5,617781E+21	2,800276E+21	1,403027E+21	1,402949E+21	2,800008E+21	5,617314E+21
1728	9,327702E+21	1,293692E+22	1,525000E+22	1,525009E+22	1,293716E+22	9,327970E+21	5,617458E+21	2,800079E+21	1,403016E+21	1,403111E+21	2,800362E+21	5,617802E+21
1729	9,328094E+21	1,293688E+22	1,524945E+22	1,524907E+22	1,293623E+22	9,327651E+21	5,617566E+21	2,800298E+21	1,403170E+21	1,403156E+21	2,800265E+21	5,617547E+21
1730	9,327688E+21	1,293635E+22	1,524911E+22	1,524930E+22	1,293670E+22	9,328040E+21	5,617857E+21	2,800519E+21	1,403360E+21	1,403327E+21	2,800373E+21	5,617547E+21
1731	9,327753E+21	1,293663E+22	1,524935E+22	1,524927E+22	1,293630E+22	9,327479E+21	5,617514E+21	2,800464E+21	1,403485E+21	1,403585E+21	2,800769E+21	5,617942E+21
1732	9,327821E+21	1,293614E+22	1,524830E+22	1,524819E+22	1,293595E+22	9,327688E+21	5,617895E+21	2,800853E+21	1,403754E+21	1,403689E+21	2,800666E+21	5,617609E+21
1733	9,327297E+21	1,293571E+22	1,524844E+22	1,524872E+22	1,293637E+22	9,327930E+21	5,617976E+21	2,800901E+21	1,403878E+21	1,403897E+21	2,800952E+21	5,617996E+21
1734	9,327787E+21	1,293596E+22	1,524818E+22	1,524804E+22	1,293549E+22	9,327280E+21	5,617765E+21	2,800932E+21	1,403994E+21	1,404065E+21	2,801157E+21	5,618116E+21
1735	9,327655E+21	1,293547E+22	1,524729E+22	1,524739E+22	1,293560E+22	9,327769E+21	5,618248E+21	2,801281E+21	1,404162E+21	1,404068E+21	2,800959E+21	5,617722E+21
1736	9,327272E+21	1,293560E+22	1,524808E+22	1,524811E+22	1,293583E+22	9,327627E+21	5,617962E+21	2,801075E+21	1,404120E+21	1,404177E+21	2,801235E+21	5,618140E+21
1737	9,327686E+21	1,293574E+22	1,524785E+22	1,524750E+22	1,293508E+22	9,327171E+21	5,617860E+21	2,801093E+21	1,404110E+21	1,404110E+21	2,801102E+21	5,617926E+21
1738	9,327339E+21	1,293521E+22	1,524743E+22	1,524780E+22	1,293585E+22	9,327781E+21	5,618144E+21	2,801164E+21	1,404078E+21	1,404014E+21	2,800942E+21	5,617759E+21
1739	9,327378E+21	1,293570E+22	1,524816E+22	1,524827E+22	1,293588E+22	9,327473E+21	5,617730E+21	2,800830E+21	1,403893E+21	1,403984E+21	2,801130E+21	5,618191E+21
1740	9,327831E+21	1,293584E+22	1,524782E+22	1,524761E+22	1,293553E+22	9,327558E+21	5,617912E+21	2,800898E+21	1,403804E+21	1,403738E+21	2,800718E+21	5,617704E+21
1741	9,327434E+21	1,293577E+22	1,524841E+22	1,524865E+22	1,293630E+22	9,327920E+21	5,617974E+21	2,800781E+21	1,403660E+21	1,403615E+21	2,800628E+21	5,617763E+21
1742	9,327872E+21	1,293648E+22	1,524897E+22	1,524881E+22	1,293597E+22	9,327332E+21	5,617517E+21	2,800503E+21	1,403500E+21	1,403562E+21	2,800699E+21	5,617858E+21
1743	9,327819E+21	1,293627E+22	1,524852E+22	1,524846E+22	1,293620E+22	9,327806E+21	5,617863E+21	2,800669E+21	1,403489E+21	1,403389E+21	2,800354E+21	5,617382E+21
1744	9,327319E+21	1,293617E+22	1,524926E+22	1,524947E+22	1,293681E+22	9,327979E+21	5,617705E+21	2,800451E+21	1,403390E+21	1,403426E+21	2,800556E+21	5,617793E+21
1745	9,327854E+21	1,293647E+22	1,524916E+22	1,524899E+22	1,293608E+22	9,327443E+21	5,617508E+21	2,800391E+21	1,403357E+21	1,403402E+21	2,800538E+21	5,617753E+21
1746	9,327715E+21	1,293604E+22	1,524842E+22	1,524871E+22	1,293647E+22	9,327984E+21	5,617937E+21	2,800661E+21	1,403480E+21	1,403410E+21	2,800409E+21	5,617488E+21
1747	9,327511E+21	1,293627E+22	1,524900E+22	1,524904E+22	1,293646E+22	9,327734E+21	5,617648E+21	2,800520E+21	1,403514E+21	1,403599E+21	2,800776E+21	5,617989E+21
1748	9,327933E+21	1,293633E+22	1,524852E+22	1,524808E+22	1,293561E+22	9,327452E+21	5,617765E+21	2,800754E+21	1,403695E+21	1,403671E+21	2,800691E+21	5,617682E+21
1749	9,327379E+21	1,293565E+22	1,524822E+22	1,524845E+22	1,293611E+22	9,327823E+21	5,618065E+21	2,801003E+21	1,403908E+21	1,403859E+21	2,800823E+21	5,617762E+21
1750	9,327543E+21	1,293586E+22	1,524824E+22	1,524826E+22	1,293569E+22	9,327255E+21	5,617671E+21	2,800909E+21	1,404033E+21	1,404146E+21	2,801270E+21	5,618211E+21
1751	9,327686E+21	1,293550E+22	1,524724E+22	1,524706E+22	1,293523E+22	9,327486E+21	5,618115E+21	2,801307E+21	1,404280E+21	1,404230E+21	2,801148E+21	5,617849E+21
1752	9,327122E+21	1,293502E+22	1,524735E+22	1,524758E+22	1,293564E+22	9,327724E+21	5,618205E+21	2,801365E+21	1,404400E+21	1,404418E+21	2,801396E+21	5,618183E+21

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°
1753	9,327587E+21	1,293541E+22	1,524735E+22	1,524707E+22	1,293477E+22	9,326991E+21	5,617902E+21	2,801336E+21	1,404469E+21	1,404536E+21	2,801540E+21	5,618240E+21
1754	9,327421E+21	1,293492E+22	1,524653E+22	1,524654E+22	1,293494E+22	9,327481E+21	5,618363E+21	2,801656E+21	1,404617E+21	1,404529E+21	2,801343E+21	5,617821E+21
1755	9,326923E+21	1,293480E+22	1,524709E+22	1,524725E+22	1,293530E+22	9,327437E+21	5,618116E+21	2,801465E+21	1,404575E+21	1,404630E+21	2,801632E+21	5,618318E+21
1756	9,327470E+21	1,293505E+22	1,524682E+22	1,524658E+22	1,293463E+22	9,327099E+21	5,618046E+21	2,801464E+21	1,404541E+21	1,404540E+21	2,801474E+21	5,618089E+21
1757	9,327138E+21	1,293460E+22	1,524656E+22	1,524695E+22	1,293531E+22	9,327651E+21	5,618355E+21	2,801551E+21	1,404495E+21	1,404408E+21	2,801274E+21	5,617956E+21
1758	9,327331E+21	1,293522E+22	1,524729E+22	1,524734E+22	1,293527E+22	9,327239E+21	5,617857E+21	2,801184E+21	1,404304E+21	1,404387E+21	2,801466E+21	5,618345E+21
1759	9,327756E+21	1,293549E+22	1,524716E+22	1,524678E+22	1,293489E+22	9,327332E+21	5,618058E+21	2,801251E+21	1,404207E+21	1,404141E+21	2,801050E+21	5,617802E+21
1760	9,327200E+21	1,293524E+22	1,524772E+22	1,524794E+22	1,293576E+22	9,327715E+21	5,618118E+21	2,801146E+21	1,404082E+21	1,404036E+21	2,800983E+21	5,617865E+21
1761	9,327578E+21	1,293590E+22	1,524830E+22	1,524817E+22	1,293551E+22	9,327115E+21	5,617597E+21	2,800827E+21	1,403906E+21	1,403979E+21	2,801063E+21	5,618008E+21
1762	9,327594E+21	1,293565E+22	1,524771E+22	1,524768E+22	1,293573E+22	9,327660E+21	5,617984E+21	2,800994E+21	1,403901E+21	1,403826E+21	2,800753E+21	5,617573E+21
1763	9,327112E+21	1,293542E+22	1,524817E+22	1,524846E+22	1,293624E+22	9,327861E+21	5,617914E+21	2,800845E+21	1,403835E+21	1,403874E+21	2,800958E+21	5,618020E+21
1764	9,327771E+21	1,293592E+22	1,524812E+22	1,524791E+22	1,293546E+22	9,327311E+21	5,617730E+21	2,800818E+21	1,403830E+21	1,403862E+21	2,800916E+21	5,617899E+21
1765	9,327531E+21	1,293551E+22	1,524762E+22	1,524778E+22	1,293577E+22	9,327740E+21	5,618142E+21	2,801121E+21	1,403984E+21	1,403886E+21	2,800791E+21	5,617648E+21
1766	9,327340E+21	1,293566E+22	1,524806E+22	1,524807E+22	1,293573E+22	9,327399E+21	5,617772E+21	2,800962E+21	1,404047E+21	1,404131E+21	2,801226E+21	5,618164E+21
1767	9,327700E+21	1,293567E+22	1,524759E+22	1,524714E+22	1,293495E+22	9,327203E+21	5,617929E+21	2,801196E+21	1,404226E+21	1,404220E+21	2,801176E+21	5,617891E+21
1768	9,327098E+21	1,293484E+22	1,524713E+22	1,524745E+22	1,293550E+22	9,327654E+21	5,618259E+21	2,801447E+21	1,404440E+21	1,404404E+21	2,801311E+21	5,617993E+21
1769	9,327324E+21	1,293518E+22	1,524724E+22	1,524721E+22	1,293502E+22	9,327041E+21	5,617845E+21	2,801329E+21	1,404529E+21	1,404649E+21	2,801706E+21	5,618421E+21
1770	9,327546E+21	1,293494E+22	1,524633E+22	1,524605E+22	1,293454E+22	9,327274E+21	5,618294E+21	2,801722E+21	1,404766E+21	1,404719E+21	2,801555E+21	5,617993E+21
1771	9,326880E+21	1,293433E+22	1,524633E+22	1,524655E+22	1,293496E+22	9,327529E+21	5,618421E+21	2,801817E+21	1,404900E+21	1,404903E+21	2,801793E+21	5,618314E+21
1772	9,327343E+21	1,293477E+22	1,524640E+22	1,524614E+22	1,293419E+22	9,326825E+21	5,618111E+21	2,801783E+21	1,404968E+21	1,405019E+21	2,801932E+21	5,618344E+21
1773	9,327088E+21	1,293419E+22	1,524564E+22	1,524574E+22	1,293440E+22	9,327289E+21	5,618544E+21	2,802087E+21	1,405104E+21	1,404997E+21	2,801746E+21	5,618031E+21
1774	9,326741E+21	1,293405E+22	1,524599E+22	1,524624E+22	1,293469E+22	9,327228E+21	5,618249E+21	2,801846E+21	1,405041E+21	1,405105E+21	2,802060E+21	5,618563E+21
1775	9,327395E+21	1,293452E+22	1,524589E+22	1,524557E+22	1,293394E+22	9,326898E+21	5,618221E+21	2,801834E+21	1,404971E+21	1,404982E+21	2,801870E+21	5,618298E+21
1776	9,327040E+21	1,293411E+22	1,524573E+22	1,524603E+22	1,293465E+22	9,327424E+21	5,618501E+21	2,801917E+21	1,404917E+21	1,404828E+21	2,801627E+21	5,618090E+21
1777	9,327180E+21	1,293485E+22	1,524671E+22	1,524660E+22	1,293468E+22	9,326977E+21	5,617940E+21	2,801504E+21	1,404695E+21	1,404776E+21	2,801778E+21	5,618429E+21
1778	9,327549E+21	1,293505E+22	1,524661E+22	1,524619E+22	1,293442E+22	9,327111E+21	5,618132E+21	2,801554E+21	1,404593E+21	1,404538E+21	2,801379E+21	5,617875E+21
1779	9,326876E+21	1,293450E+22	1,524682E+22	1,524722E+22	1,293537E+22	9,327621E+21	5,618274E+21	2,801495E+21	1,404493E+21	1,404450E+21	2,801344E+21	5,618014E+21
1780	9,327349E+21	1,293520E+22	1,524729E+22	1,524733E+22	1,293513E+22	9,327098E+21	5,617812E+21	2,801197E+21	1,404327E+21	1,404398E+21	2,801422E+21	5,618160E+21
1781	9,327386E+21	1,293500E+22	1,524677E+22	1,524679E+22	1,293515E+22	9,327534E+21	5,618218E+21	2,801411E+21	1,404344E+21	1,404247E+21	2,801117E+21	5,617789E+21
1782	9,327038E+21	1,293484E+22	1,524713E+22	1,524738E+22	1,293552E+22	9,327624E+21	5,618082E+21	2,801259E+21	1,404309E+21	1,404342E+21	2,801357E+21	5,618207E+21
1783	9,327673E+21	1,293548E+22	1,524731E+22	1,524689E+22	1,293466E+22	9,327029E+21	5,617902E+21	2,801238E+21	1,404318E+21	1,404359E+21	2,801342E+21	5,618059E+21
1784	9,327297E+21	1,293489E+22	1,524675E+22	1,524688E+22	1,293507E+22	9,327438E+21	5,618276E+21	2,801552E+21	1,404502E+21	1,404410E+21	2,801244E+21	5,617817E+21
1785	9,327077E+21	1,293503E+22	1,524722E+22	1,524722E+22	1,293513E+22	9,327127E+21	5,617859E+21	2,801349E+21	1,404543E+21	1,404644E+21	2,801681E+21	5,618380E+21
1786	9,327511E+21	1,293502E+22	1,524665E+22	1,524623E+22	1,293435E+22	9,327006E+21	5,618062E+21	2,801580E+21	1,404717E+21	1,404734E+21	2,801633E+21	5,618105E+21
1787	9,326896E+21	1,293409E+22	1,524598E+22	1,524636E+22	1,293486E+22	9,327526E+21	5,618505E+21	2,801903E+21	1,404949E+21	1,404909E+21	2,801743E+21	5,618194E+21
1788	9,327172E+21	1,293457E+22	1,524619E+22	1,524616E+22	1,293439E+22	9,326916E+21	5,618105E+21	2,801810E+21	1,405052E+21	1,405147E+21	2,802094E+21	5,618518E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,327256E+21	1,293429E+22	1,524546E+22	1,524515E+22	1,293386E+22	9,327066E+21	5,618536E+21	2,802215E+21	1,405297E+21	1,405216E+21	2,801952E+21	5,618130E+21
1790	9,326606E+21	1,293357E+22	1,524526E+22	1,524555E+22	1,293428E+22	9,327263E+21	5,618582E+21	2,802272E+21	1,405435E+21	1,405433E+21	2,802241E+21	5,618476E+21
1791	9,327065E+21	1,293404E+22	1,524537E+22	1,524514E+22	1,293352E+22	9,326621E+21	5,618291E+21	2,802204E+21	1,405470E+21	1,405537E+21	2,802399E+21	5,618560E+21
1792	9,326847E+21	1,293342E+22	1,524456E+22	1,524474E+22	1,293376E+22	9,327096E+21	5,618706E+21	2,802481E+21	1,405575E+21	1,405480E+21	2,802184E+21	5,618260E+21
1793	9,326624E+21	1,293355E+22	1,524512E+22	1,524529E+22	1,293401E+22	9,326975E+21	5,618359E+21	2,802185E+21	1,405453E+21	1,405524E+21	2,802429E+21	5,618765E+21
1794	9,327345E+21	1,293415E+22	1,524521E+22	1,524479E+22	1,293334E+22	9,326668E+21	5,618315E+21	2,802145E+21	1,405355E+21	1,405373E+21	2,802195E+21	5,618414E+21
1795	9,326871E+21	1,293363E+22	1,524500E+22	1,524528E+22	1,293412E+22	9,327260E+21	5,618656E+21	2,802261E+21	1,405309E+21	1,405213E+21	2,801943E+21	5,618185E+21
1796	9,326968E+21	1,293434E+22	1,524599E+22	1,524597E+22	1,293429E+22	9,326879E+21	5,618114E+21	2,801863E+21	1,405099E+21	1,405167E+21	2,802088E+21	5,618489E+21
1797	9,327235E+21	1,293441E+22	1,524587E+22	1,524560E+22	1,293404E+22	9,327020E+21	5,618309E+21	2,801921E+21	1,405007E+21	1,404940E+21	2,801732E+21	5,618064E+21
1798	9,326709E+21	1,293380E+22	1,524573E+22	1,524625E+22	1,293482E+22	9,327481E+21	5,618438E+21	2,801861E+21	1,404928E+21	1,404893E+21	2,801742E+21	5,618224E+21
1799	9,327244E+21	1,293466E+22	1,524632E+22	1,524628E+22	1,293440E+22	9,326918E+21	5,618025E+21	2,801588E+21	1,404767E+21	1,404847E+21	2,801819E+21	5,618355E+21
1800	9,327259E+21	1,293448E+22	1,524589E+22	1,524582E+22	1,293441E+22	9,327251E+21	5,618364E+21	2,801809E+21	1,404808E+21	1,404709E+21	2,801503E+21	5,617929E+21
1801	9,326866E+21	1,293442E+22	1,524642E+22	1,524648E+22	1,293476E+22	9,327269E+21	5,618162E+21	2,801627E+21	1,404765E+21	1,404803E+21	2,801742E+21	5,618336E+21
1802	9,327455E+21	1,293495E+22	1,524659E+22	1,524616E+22	1,293407E+22	9,326746E+21	5,617975E+21	2,801597E+21	1,404783E+21	1,404840E+21	2,801756E+21	5,618196E+21
1803	9,326990E+21	1,293412E+22	1,524573E+22	1,524601E+22	1,293456E+22	9,327297E+21	5,618443E+21	2,801953E+21	1,404989E+21	1,404907E+21	2,801684E+21	5,618015E+21
1804	9,326852E+21	1,293429E+22	1,524613E+22	1,524628E+22	1,293464E+22	9,327071E+21	5,618110E+21	2,801794E+21	1,405047E+21	1,405141E+21	2,802096E+21	5,618542E+21
1805	9,327275E+21	1,293432E+22	1,524565E+22	1,524531E+22	1,293375E+22	9,326881E+21	5,618332E+21	2,802067E+21	1,405239E+21	1,405231E+21	2,802052E+21	5,618313E+21
1806	9,326733E+21	1,293339E+22	1,524480E+22	1,524519E+22	1,293412E+22	9,327316E+21	5,618734E+21	2,802391E+21	1,405499E+21	1,405447E+21	2,802188E+21	5,618355E+21
1807	9,326942E+21	1,293395E+22	1,524522E+22	1,524507E+22	1,293357E+22	9,326679E+21	5,618351E+21	2,802299E+21	1,405602E+21	1,405697E+21	2,802561E+21	5,618678E+21
1808	9,326941E+21	1,293352E+22	1,524443E+22	1,524418E+22	1,293314E+22	9,326773E+21	5,618701E+21	2,802679E+21	1,405845E+21	1,405769E+21	2,802437E+21	5,618323E+21
1809	9,326346E+21	1,293289E+22	1,524426E+22	1,524455E+22	1,293359E+22	9,326979E+21	5,618677E+21	2,802654E+21	1,405925E+21	1,405945E+21	2,802713E+21	5,618736E+21
1810	9,326939E+21	1,293345E+22	1,524440E+22	1,524417E+22	1,293289E+22	9,326394E+21	5,618393E+21	2,802546E+21	1,405913E+21	1,406005E+21	2,802829E+21	5,618803E+21
1811	9,326754E+21	1,293286E+22	1,524356E+22	1,524373E+22	1,293313E+22	9,326913E+21	5,618871E+21	2,802846E+21	1,405999E+21	1,405905E+21	2,802556E+21	5,618460E+21
1812	9,326568E+21	1,293315E+22	1,524436E+22	1,524448E+22	1,293347E+22	9,326819E+21	5,618542E+21	2,802562E+21	1,405870E+21	1,405918E+21	2,802728E+21	5,618830E+21
1813	9,327123E+21	1,293370E+22	1,524463E+22	1,524421E+22	1,293285E+22	9,326488E+21	5,618488E+21	2,802524E+21	1,405770E+21	1,405760E+21	2,802500E+21	5,618503E+21
1814	9,326610E+21	1,293300E+22	1,524414E+22	1,524455E+22	1,293366E+22	9,327093E+21	5,618804E+21	2,802629E+21	1,405740E+21	1,405639E+21	2,802298E+21	5,618286E+21
1815	9,326679E+21	1,293369E+22	1,524512E+22	1,524516E+22	1,293378E+22	9,326782E+21	5,618313E+21	2,802224E+21	1,405521E+21	1,405598E+21	2,802467E+21	5,618635E+21
1816	9,326965E+21	1,293368E+22	1,524486E+22	1,524469E+22	1,293347E+22	9,326869E+21	5,618494E+21	2,802291E+21	1,405434E+21	1,405373E+21	2,802114E+21	5,618240E+21
1817	9,326576E+21	1,293332E+22	1,524483E+22	1,524526E+22	1,293414E+22	9,327234E+21	5,618559E+21	2,802198E+21	1,405330E+21	1,405302E+21	2,802103E+21	5,618408E+21
1818	9,327160E+21	1,293426E+22	1,524556E+22	1,524541E+22	1,293374E+22	9,326645E+21	5,618113E+21	2,801919E+21	1,405177E+21	1,405264E+21	2,802175E+21	5,618491E+21
1819	9,327072E+21	1,293396E+22	1,524508E+22	1,524497E+22	1,293378E+22	9,327007E+21	5,618499E+21	2,802178E+21	1,405246E+21	1,405149E+21	2,801882E+21	5,618077E+21
1820	9,326655E+21	1,293385E+22	1,524563E+22	1,524578E+22	1,293427E+22	9,327075E+21	5,618318E+21	2,802028E+21	1,405235E+21	1,405264E+21	2,802125E+21	5,618459E+21
1821	9,327155E+21	1,293426E+22	1,524572E+22	1,524545E+22	1,293363E+22	9,326619E+21	5,618163E+21	2,802014E+21	1,405270E+21	1,405322E+21	2,802188E+21	5,618430E+21
1822	9,326804E+21	1,293337E+22	1,524454E+22	1,524493E+22	1,293394E+22	9,327166E+21	5,618670E+21	2,802398E+21	1,405509E+21	1,405433E+21	2,802147E+21	5,618242E+21
1823	9,326699E+21	1,293368E+22	1,524505E+22	1,524511E+22	1,293386E+22	9,326915E+21	5,618398E+21	2,802278E+21	1,405584E+21	1,405676E+21	2,802549E+21	5,618724E+21
1824	9,327052E+21	1,293366E+22	1,524461E+22	1,524423E+22	1,293299E+22	9,326622E+21	5,618556E+21	2,802563E+21	1,405799E+21	1,405782E+21	2,802504E+21	5,618454E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,326493E+21	1,293283E+22	1,524387E+22	1,524414E+22	1,293332E+22	9,326976E+21	5,618868E+21	2,802832E+21	1,406031E+21	1,405984E+21	2,802649E+21	5,618527E+21
1826	9,326668E+21	1,293326E+22	1,524427E+22	1,524417E+22	1,293292E+22	9,326382E+21	5,618451E+21	2,802702E+21	1,406111E+21	1,406221E+21	2,803026E+21	5,618873E+21
1827	9,326656E+21	1,293272E+22	1,524331E+22	1,524318E+22	1,293254E+22	9,326585E+21	5,618861E+21	2,803076E+21	1,406328E+21	1,406267E+21	2,802895E+21	5,618577E+21
1828	9,326201E+21	1,293223E+22	1,524321E+22	1,524358E+22	1,293300E+22	9,326827E+21	5,618887E+21	2,803063E+21	1,406386E+21	1,406397E+21	2,803098E+21	5,618917E+21
1829	9,326794E+21	1,293292E+22	1,524356E+22	1,524335E+22	1,293233E+22	9,326242E+21	5,618602E+21	2,802953E+21	1,406354E+21	1,406424E+21	2,803185E+21	5,618990E+21
1830	9,326647E+21	1,293238E+22	1,524267E+22	1,524278E+22	1,293250E+22	9,326713E+21	5,619044E+21	2,803241E+21	1,406450E+21	1,406343E+21	2,802908E+21	5,618566E+21
1831	9,326362E+21	1,293269E+22	1,524365E+22	1,524366E+22	1,293284E+22	9,326645E+21	5,618759E+21	2,802964E+21	1,406318E+21	1,406357E+21	2,803082E+21	5,618909E+21
1832	9,326796E+21	1,293303E+22	1,524382E+22	1,524354E+22	1,293240E+22	9,326290E+21	5,618632E+21	2,802903E+21	1,406215E+21	1,406203E+21	2,802872E+21	5,618615E+21
1833	9,326345E+21	1,293240E+22	1,524325E+22	1,524369E+22	1,293312E+22	9,326889E+21	5,618897E+21	2,802945E+21	1,406144E+21	1,406062E+21	2,802686E+21	5,618486E+21
1834	9,326510E+21	1,293310E+22	1,524421E+22	1,524427E+22	1,293322E+22	9,326598E+21	5,618426E+21	2,802534E+21	1,405905E+21	1,406000E+21	2,802832E+21	5,618825E+21
1835	9,326834E+21	1,293314E+22	1,524392E+22	1,524372E+22	1,293285E+22	9,326667E+21	5,618646E+21	2,802633E+21	1,405828E+21	1,405769E+21	2,802465E+21	5,618422E+21
1836	9,326484E+21	1,293289E+22	1,524408E+22	1,524444E+22	1,293353E+22	9,327004E+21	5,618716E+21	2,802570E+21	1,405749E+21	1,405705E+21	2,802419E+21	5,618494E+21
1837	9,326932E+21	1,293377E+22	1,524493E+22	1,524476E+22	1,293323E+22	9,326431E+21	5,618262E+21	2,802301E+21	1,405614E+21	1,405689E+21	2,802537E+21	5,618638E+21
1838	9,326826E+21	1,293329E+22	1,524413E+22	1,524412E+22	1,293326E+22	9,326810E+21	5,618637E+21	2,802569E+21	1,405723E+21	1,405633E+21	2,802305E+21	5,618248E+21
1839	9,326406E+21	1,293318E+22	1,524466E+22	1,524484E+22	1,293369E+22	9,326965E+21	5,618554E+21	2,802450E+21	1,405728E+21	1,405767E+21	2,802567E+21	5,618658E+21
1840	9,326911E+21	1,293350E+22	1,524463E+22	1,524447E+22	1,293303E+22	9,326453E+21	5,618394E+21	2,802467E+21	1,405784E+21	1,405838E+21	2,802630E+21	5,618624E+21
1841	9,326650E+21	1,293283E+22	1,524352E+22	1,524380E+22	1,293319E+22	9,326913E+21	5,618851E+21	2,802831E+21	1,406013E+21	1,405943E+21	2,802590E+21	5,618443E+21
1842	9,326527E+21	1,293313E+22	1,524414E+22	1,524409E+22	1,293312E+22	9,326641E+21	5,618557E+21	2,802710E+21	1,406093E+21	1,406187E+21	2,802979E+21	5,618873E+21
1843	9,326781E+21	1,293298E+22	1,524361E+22	1,524321E+22	1,293228E+22	9,326360E+21	5,618742E+21	2,803014E+21	1,406322E+21	1,406307E+21	2,802964E+21	5,618649E+21
1844	9,326243E+21	1,293212E+22	1,524289E+22	1,524325E+22	1,293272E+22	9,326740E+21	5,619039E+21	2,803279E+21	1,406553E+21	1,406501E+21	2,803093E+21	5,618713E+21
1845	9,326403E+21	1,293252E+22	1,524326E+22	1,524327E+22	1,293237E+22	9,326211E+21	5,618637E+21	2,803131E+21	1,406612E+21	1,406721E+21	2,803484E+21	5,619147E+21
1846	9,326514E+21	1,293201E+22	1,524213E+22	1,524203E+22	1,293185E+22	9,326396E+21	5,619061E+21	2,803504E+21	1,406827E+21	1,406768E+21	2,803335E+21	5,618810E+21
1847	9,326107E+21	1,293174E+22	1,524232E+22	1,524253E+22	1,293224E+22	9,326621E+21	5,619123E+21	2,803502E+21	1,406875E+21	1,406875E+21	2,803487E+21	5,619057E+21
1848	9,326584E+21	1,293236E+22	1,524274E+22	1,524249E+22	1,293170E+22	9,326000E+21	5,618782E+21	2,803382E+21	1,406840E+21	1,406893E+21	2,803545E+21	5,619058E+21
1849	9,326394E+21	1,293190E+22	1,524195E+22	1,524198E+22	1,293190E+22	9,326450E+21	5,619151E+21	2,803600E+21	1,406888E+21	1,406786E+21	2,803280E+21	5,618675E+21
1850	9,326063E+21	1,293205E+22	1,524286E+22	1,524296E+22	1,293239E+22	9,326450E+21	5,618851E+21	2,803292E+21	1,406728E+21	1,406776E+21	2,803443E+21	5,619033E+21
1851	9,326494E+21	1,293227E+22	1,524281E+22	1,524268E+22	1,293195E+22	9,326186E+21	5,618793E+21	2,803233E+21	1,406605E+21	1,406607E+21	2,803244E+21	5,618818E+21
1852	9,326198E+21	1,293178E+22	1,524232E+22	1,524283E+22	1,293261E+22	9,326749E+21	5,619077E+21	2,803291E+21	1,406527E+21	1,406438E+21	2,803007E+21	5,618643E+21
1853	9,326376E+21	1,293259E+22	1,524341E+22	1,524347E+22	1,293270E+22	9,326435E+21	5,618595E+21	2,802887E+21	1,406289E+21	1,406371E+21	2,803159E+21	5,619005E+21
1854	9,326723E+21	1,293266E+22	1,524308E+22	1,524278E+22	1,293220E+22	9,326443E+21	5,618792E+21	2,802997E+21	1,406250E+21	1,406189E+21	2,802821E+21	5,618565E+21
1855	9,326321E+21	1,293246E+22	1,524342E+22	1,524362E+22	1,293287E+22	9,326771E+21	5,618894E+21	2,802963E+21	1,406201E+21	1,406156E+21	2,802801E+21	5,618624E+21
1856	9,326656E+21	1,293312E+22	1,524410E+22	1,524403E+22	1,293275E+22	9,326226E+21	5,618405E+21	2,802699E+21	1,406092E+21	1,406171E+21	2,802947E+21	5,618802E+21
1857	9,326637E+21	1,293274E+22	1,524322E+22	1,524318E+22	1,293268E+22	9,326604E+21	5,618756E+21	2,802928E+21	1,406181E+21	1,406117E+21	2,802748E+21	5,618491E+21
1858	9,326272E+21	1,293258E+22	1,524369E+22	1,524386E+22	1,293307E+22	9,326765E+21	5,618715E+21	2,802840E+21	1,406192E+21	1,406239E+21	2,802978E+21	5,618850E+21
1859	9,326745E+21	1,293290E+22	1,524362E+22	1,524341E+22	1,293235E+22	9,326246E+21	5,618601E+21	2,802902E+21	1,406275E+21	1,406325E+21	2,803046E+21	5,618804E+21
1860	9,326466E+21	1,293225E+22	1,524266E+22	1,524285E+22	1,293249E+22	9,326662E+21	5,619060E+21	2,803298E+21	1,406531E+21	1,406441E+21	2,802986E+21	5,618548E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,326206E+21	1,293242E+22	1,524327E+22	1,524328E+22	1,293255E+22	9,326426E+21	5,618755E+21	2,803176E+21	1,406620E+21	1,406702E+21	2,803425E+21	5,619050E+21
1862	9,326461E+21	1,293215E+22	1,524245E+22	1,524215E+22	1,293164E+22	9,326144E+21	5,618919E+21	2,803473E+21	1,406870E+21	1,406861E+21	2,803452E+21	5,618869E+21
1863	9,325993E+21	1,293136E+22	1,524178E+22	1,524210E+22	1,293199E+22	9,326566E+21	5,619282E+21	2,803747E+21	1,407093E+21	1,407044E+21	2,803568E+21	5,618942E+21
1864	9,326193E+21	1,293177E+22	1,524214E+22	1,524221E+22	1,293171E+22	9,326012E+21	5,618855E+21	2,803594E+21	1,407138E+21	1,407240E+21	2,803917E+21	5,619340E+21
1865	9,326410E+21	1,293155E+22	1,524120E+22	1,524094E+22	1,293110E+22	9,326113E+21	5,619196E+21	2,803902E+21	1,407306E+21	1,407253E+21	2,803749E+21	5,618994E+21
1866	9,325958E+21	1,293126E+22	1,524156E+22	1,524167E+22	1,293160E+22	9,326355E+21	5,619249E+21	2,803887E+21	1,407330E+21	1,407326E+21	2,803856E+21	5,619166E+21
1867	9,326315E+21	1,293175E+22	1,524192E+22	1,524170E+22	1,293118E+22	9,325799E+21	5,618933E+21	2,803762E+21	1,407282E+21	1,407337E+21	2,803929E+21	5,619199E+21
1868	9,326122E+21	1,293122E+22	1,524114E+22	1,524128E+22	1,293147E+22	9,326293E+21	5,619295E+21	2,803961E+21	1,407312E+21	1,407208E+21	2,803642E+21	5,618822E+21
1869	9,325809E+21	1,293134E+22	1,524195E+22	1,524219E+22	1,293198E+22	9,326372E+21	5,619024E+21	2,803634E+21	1,407121E+21	1,407175E+21	2,803815E+21	5,619251E+21
1870	9,326356E+21	1,293163E+22	1,524175E+22	1,524160E+22	1,293132E+22	9,326034E+21	5,618971E+21	2,803593E+21	1,407013E+21	1,407017E+21	2,803608E+21	5,619020E+21
1871	9,326139E+21	1,293138E+22	1,524154E+22	1,524182E+22	1,293187E+22	9,326535E+21	5,619268E+21	2,803673E+21	1,406949E+21	1,406849E+21	2,803345E+21	5,618777E+21
1872	9,326222E+21	1,293212E+22	1,524269E+22	1,524267E+22	1,293209E+22	9,326176E+21	5,618736E+21	2,803272E+21	1,406730E+21	1,406799E+21	2,803493E+21	5,619095E+21
1873	9,326548E+21	1,293225E+22	1,524242E+22	1,524202E+22	1,293161E+22	9,326146E+21	5,618853E+21	2,803325E+21	1,406671E+21	1,406625E+21	2,803204E+21	5,618718E+21
1874	9,326099E+21	1,293189E+22	1,524268E+22	1,524293E+22	1,293241E+22	9,326555E+21	5,618969E+21	2,803293E+21	1,406621E+21	1,406587E+21	2,803180E+21	5,618780E+21
1875	9,326412E+21	1,293242E+22	1,524313E+22	1,524315E+22	1,293228E+22	9,326121E+21	5,618586E+21	2,803066E+21	1,406523E+21	1,406613E+21	2,803344E+21	5,619005E+21
1876	9,326477E+21	1,293211E+22	1,524232E+22	1,524231E+22	1,293214E+22	9,326464E+21	5,618971E+21	2,803340E+21	1,406635E+21	1,406559E+21	2,803116E+21	5,618645E+21
1877	9,326086E+21	1,293198E+22	1,524279E+22	1,524296E+22	1,293251E+22	9,326618E+21	5,618938E+21	2,803280E+21	1,406670E+21	1,406702E+21	2,803368E+21	5,619000E+21
1878	9,326499E+21	1,293222E+22	1,524259E+22	1,524232E+22	1,293164E+22	9,326038E+21	5,618824E+21	2,803379E+21	1,406809E+21	1,406850E+21	2,803485E+21	5,618963E+21
1879	9,326202E+21	1,293159E+22	1,524174E+22	1,524183E+22	1,293174E+22	9,326413E+21	5,619279E+21	2,803789E+21	1,407092E+21	1,406996E+21	2,803458E+21	5,618725E+21
1880	9,325884E+21	1,293156E+22	1,524214E+22	1,524227E+22	1,293193E+22	9,326193E+21	5,618932E+21	2,803653E+21	1,407188E+21	1,407271E+21	2,803913E+21	5,619272E+21
1881	9,326284E+21	1,293147E+22	1,524132E+22	1,524097E+22	1,293089E+22	9,325883E+21	5,619054E+21	2,803882E+21	1,407388E+21	1,407406E+21	2,803956E+21	5,619164E+21
1882	9,325907E+21	1,293078E+22	1,524077E+22	1,524101E+22	1,293125E+22	9,326275E+21	5,619414E+21	2,804155E+21	1,407585E+21	1,407542E+21	2,804001E+21	5,619155E+21
1883	9,326065E+21	1,293122E+22	1,524120E+22	1,524116E+22	1,293101E+22	9,325780E+21	5,619032E+21	2,804016E+21	1,407623E+21	1,407722E+21	2,804321E+21	5,619504E+21
1884	9,326230E+21	1,293101E+22	1,524049E+22	1,524018E+22	1,293050E+22	9,325879E+21	5,619360E+21	2,804314E+21	1,407776E+21	1,407708E+21	2,804109E+21	5,619080E+21
1885	9,325656E+21	1,293060E+22	1,524078E+22	1,524101E+22	1,293117E+22	9,326204E+21	5,619416E+21	2,804278E+21	1,407776E+21	1,407766E+21	2,804233E+21	5,619287E+21
1886	9,325983E+21	1,293095E+22	1,524087E+22	1,524079E+22	1,293070E+22	9,325699E+21	5,619118E+21	2,804149E+21	1,407731E+21	1,407789E+21	2,804325E+21	5,619373E+21
1887	9,325898E+21	1,293054E+22	1,524016E+22	1,524027E+22	1,293085E+22	9,326190E+21	5,619523E+21	2,804351E+21	1,407747E+21	1,407641E+21	2,804020E+21	5,619002E+21
1888	9,325634E+21	1,293068E+22	1,524095E+22	1,524123E+22	1,293139E+22	9,326210E+21	5,619218E+21	2,804024E+21	1,407552E+21	1,407592E+21	2,804154E+21	5,619400E+21
1889	9,326298E+21	1,293127E+22	1,524095E+22	1,524063E+22	1,293061E+22	9,325757E+21	5,619064E+21	2,803919E+21	1,407412E+21	1,407424E+21	2,803964E+21	5,619191E+21
1890	9,326051E+21	1,293101E+22	1,524093E+22	1,524107E+22	1,293124E+22	9,326220E+21	5,619329E+21	2,803997E+21	1,407344E+21	1,407244E+21	2,803679E+21	5,618895E+21
1891	9,326024E+21	1,293161E+22	1,524201E+22	1,524200E+22	1,293161E+22	9,325957E+21	5,618839E+21	2,803611E+21	1,407139E+21	1,407215E+21	2,803861E+21	5,619252E+21
1892	9,326334E+21	1,293165E+22	1,524172E+22	1,524142E+22	1,293120E+22	9,325982E+21	5,618967E+21	2,803662E+21	1,407084E+21	1,407043E+21	2,803566E+21	5,618878E+21
1893	9,325893E+21	1,293123E+22	1,524180E+22	1,524218E+22	1,293201E+22	9,326498E+21	5,619159E+21	2,803653E+21	1,407036E+21	1,407009E+21	2,803559E+21	5,618965E+21
1894	9,326231E+21	1,293176E+22	1,524207E+22	1,524209E+22	1,293166E+22	9,326004E+21	5,618812E+21	2,803488E+21	1,406994E+21	1,407076E+21	2,803733E+21	5,619169E+21
1895	9,326310E+21	1,293156E+22	1,524141E+22	1,524122E+22	1,293136E+22	9,326274E+21	5,619219E+21	2,803814E+21	1,407155E+21	1,407062E+21	2,803519E+21	5,618766E+21
1896	9,325808E+21	1,293127E+22	1,524181E+22	1,524200E+22	1,293185E+22	9,326394E+21	5,619150E+21	2,803768E+21	1,407221E+21	1,407237E+21	2,803790E+21	5,619115E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,326239E+21	1,293156E+22	1,524158E+22	1,524128E+22	1,293090E+22	9,325727E+21	5,618937E+21	2,803807E+21	1,407345E+21	1,407405E+21	2,803984E+21	5,619192E+21
1898	9,325964E+21	1,293085E+22	1,524069E+22	1,524082E+22	1,293105E+22	9,326118E+21	5,619384E+21	2,804201E+21	1,407609E+21	1,407529E+21	2,803940E+21	5,618973E+21
1899	9,325693E+21	1,293081E+22	1,524099E+22	1,524115E+22	1,293123E+22	9,325986E+21	5,619115E+21	2,804077E+21	1,407691E+21	1,407790E+21	2,804385E+21	5,619537E+21
1900	9,326167E+21	1,293085E+22	1,524038E+22	1,524002E+22	1,293021E+22	9,325648E+21	5,619231E+21	2,804306E+21	1,407877E+21	1,407890E+21	2,804364E+21	5,619348E+21
1901	9,325767E+21	1,293025E+22	1,523992E+22	1,524014E+22	1,293067E+22	9,326109E+21	5,619606E+21	2,804574E+21	1,408060E+21	1,408009E+21	2,804393E+21	5,619289E+21
1902	9,325821E+21	1,293060E+22	1,524028E+22	1,524019E+22	1,293037E+22	9,325614E+21	5,619252E+21	2,804468E+21	1,408128E+21	1,408213E+21	2,804722E+21	5,619625E+21
1903	9,325949E+21	1,293037E+22	1,523965E+22	1,523932E+22	1,292990E+22	9,325725E+21	5,619578E+21	2,804766E+21	1,408284E+21	1,408205E+21	2,804522E+21	5,619216E+21
1904	9,325338E+21	1,292978E+22	1,523972E+22	1,524015E+22	1,293070E+22	9,326086E+21	5,619611E+21	2,804701E+21	1,408265E+21	1,408249E+21	2,804635E+21	5,619455E+21
1905	9,325816E+21	1,293032E+22	1,523981E+22	1,523972E+22	1,293003E+22	9,325497E+21	5,619257E+21	2,804502E+21	1,408164E+21	1,408241E+21	2,804744E+21	5,619620E+21
1906	9,325831E+21	1,293005E+22	1,523930E+22	1,523931E+22	1,293013E+22	9,325892E+21	5,619624E+21	2,804691E+21	1,408148E+21	1,408043E+21	2,804372E+21	5,619179E+21
1907	9,325546E+21	1,293025E+22	1,524016E+22	1,524031E+22	1,293071E+22	9,325962E+21	5,619343E+21	2,804369E+21	1,407953E+21	1,407991E+21	2,804491E+21	5,619534E+21
1908	9,326143E+21	1,293084E+22	1,524041E+22	1,524005E+22	1,293009E+22	9,325507E+21	5,619158E+21	2,804246E+21	1,407803E+21	1,407811E+21	2,804279E+21	5,619279E+21
1909	9,325823E+21	1,293050E+22	1,524030E+22	1,524056E+22	1,293090E+22	9,326071E+21	5,619426E+21	2,804308E+21	1,407729E+21	1,407636E+21	2,804022E+21	5,619009E+21
1910	9,325739E+21	1,293091E+22	1,524106E+22	1,524117E+22	1,293117E+22	9,325899E+21	5,619021E+21	2,803972E+21	1,407561E+21	1,407637E+21	2,804227E+21	5,619412E+21
1911	9,326135E+21	1,293102E+22	1,524080E+22	1,524051E+22	1,293065E+22	9,325919E+21	5,619203E+21	2,804060E+21	1,407527E+21	1,407481E+21	2,803935E+21	5,619033E+21
1912	9,325696E+21	1,293055E+22	1,524076E+22	1,524122E+22	1,293144E+22	9,326372E+21	5,619392E+21	2,804088E+21	1,407513E+21	1,407467E+21	2,803916E+21	5,619083E+21
1913	9,326082E+21	1,293125E+22	1,524113E+22	1,524101E+22	1,293090E+22	9,325754E+21	5,618973E+21	2,803895E+21	1,407474E+21	1,407563E+21	2,804154E+21	5,619344E+21
1914	9,326127E+21	1,293102E+22	1,524059E+22	1,524031E+22	1,293060E+22	9,325926E+21	5,619338E+21	2,804230E+21	1,407649E+21	1,407560E+21	2,803951E+21	5,618935E+21
1915	9,325559E+21	1,293058E+22	1,524082E+22	1,524104E+22	1,293117E+22	9,326128E+21	5,619289E+21	2,804190E+21	1,407734E+21	1,407765E+21	2,804268E+21	5,619344E+21
1916	9,326014E+21	1,293083E+22	1,524062E+22	1,524040E+22	1,293030E+22	9,325496E+21	5,619066E+21	2,804207E+21	1,407845E+21	1,407920E+21	2,804450E+21	5,619441E+21
1917	9,325824E+21	1,293019E+22	1,523965E+22	1,523985E+22	1,293046E+22	9,325948E+21	5,619552E+21	2,804600E+21	1,408090E+21	1,408024E+21	2,804392E+21	5,619208E+21
1918	9,325555E+21	1,293019E+22	1,523990E+22	1,524000E+22	1,293048E+22	9,325800E+21	5,619349E+21	2,804543E+21	1,408212E+21	1,408298E+21	2,804808E+21	5,619718E+21
1919	9,326010E+21	1,293033E+22	1,523953E+22	1,523902E+22	1,292947E+22	9,325451E+21	5,619474E+21	2,804796E+21	1,408419E+21	1,408410E+21	2,804771E+21	5,619448E+21
1920	9,325459E+21	1,292955E+22	1,523900E+22	1,523929E+22	1,293010E+22	9,325934E+21	5,619834E+21	2,805062E+21	1,408607E+21	1,408534E+21	2,804794E+21	5,619367E+21
1921	9,325510E+21	1,292991E+22	1,523930E+22	1,523925E+22	1,292975E+22	9,325403E+21	5,619406E+21	2,804885E+21	1,408636E+21	1,408732E+21	2,805179E+21	5,619812E+21
1922	9,325675E+21	1,292962E+22	1,523862E+22	1,523839E+22	1,292929E+22	9,325505E+21	5,619722E+21	2,805152E+21	1,408748E+21	1,408678E+21	2,804949E+21	5,619429E+21
1923	9,325150E+21	1,292907E+22	1,523860E+22	1,523910E+22	1,293006E+22	9,325917E+21	5,619791E+21	2,805078E+21	1,408700E+21	1,408693E+21	2,805039E+21	5,619677E+21
1924	9,325700E+21	1,292978E+22	1,523896E+22	1,523886E+22	1,292938E+22	9,325252E+21	5,619385E+21	2,804850E+21	1,408567E+21	1,408641E+21	2,805088E+21	5,619785E+21
1925	9,325734E+21	1,292964E+22	1,523859E+22	1,523856E+22	1,292958E+22	9,325688E+21	5,619737E+21	2,805010E+21	1,408527E+21	1,408425E+21	2,804703E+21	5,619299E+21
1926	9,325357E+21	1,292977E+22	1,523944E+22	1,523954E+22	1,293013E+22	9,325763E+21	5,619493E+21	2,804730E+21	1,408365E+21	1,408396E+21	2,804831E+21	5,619651E+21
1927	9,325919E+21	1,293032E+22	1,523971E+22	1,523937E+22	1,292961E+22	9,325363E+21	5,619310E+21	2,804611E+21	1,408234E+21	1,408236E+21	2,804635E+21	5,619403E+21
1928	9,325561E+21	1,292981E+22	1,523937E+22	1,523982E+22	1,293052E+22	9,326013E+21	5,619612E+21	2,804675E+21	1,408161E+21	1,408066E+21	2,804376E+21	5,619158E+21
1929	9,325605E+21	1,293035E+22	1,524007E+22	1,524017E+22	1,293055E+22	9,325745E+21	5,619183E+21	2,804320E+21	1,407981E+21	1,408072E+21	2,804616E+21	5,619614E+21
1930	9,326036E+21	1,293054E+22	1,523994E+22	1,523957E+22	1,292994E+22	9,325640E+21	5,619346E+21	2,804438E+21	1,407960E+21	1,407912E+21	2,804302E+21	5,619189E+21
1931	9,325545E+21	1,293004E+22	1,523986E+22	1,524025E+22	1,293073E+22	9,326120E+21	5,619556E+21	2,804493E+21	1,407979E+21	1,407933E+21	2,804312E+21	5,619219E+21
1932	9,325819E+21	1,293065E+22	1,524038E+22	1,524027E+22	1,293026E+22	9,325465E+21	5,619096E+21	2,804290E+21	1,407948E+21	1,408040E+21	2,804562E+21	5,619486E+21

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°
1933	9,325856E+21	1,293034E+22	1,523970E+22	1,523954E+22	1,293009E+22	9,325722E+21	5,619459E+21	2,804607E+21	1,408121E+21	1,408049E+21	2,804398E+21	5,619121E+21
1934	9,325283E+21	1,292981E+22	1,523969E+22	1,523996E+22	1,293052E+22	9,325978E+21	5,619502E+21	2,804628E+21	1,408243E+21	1,408277E+21	2,804723E+21	5,619574E+21
1935	9,325842E+21	1,293017E+22	1,523956E+22	1,523932E+22	1,292962E+22	9,325354E+21	5,619312E+21	2,804677E+21	1,408374E+21	1,408440E+21	2,804888E+21	5,619635E+21
1936	9,325644E+21	1,292954E+22	1,523859E+22	1,523882E+22	1,292983E+22	9,325793E+21	5,619796E+21	2,805085E+21	1,408632E+21	1,408546E+21	2,804799E+21	5,619352E+21
1937	9,325398E+21	1,292965E+22	1,523893E+22	1,523892E+22	1,292971E+22	9,325557E+21	5,619546E+21	2,805003E+21	1,408748E+21	1,408833E+21	2,805261E+21	5,619889E+21
1938	9,325776E+21	1,292973E+22	1,523868E+22	1,523817E+22	1,292877E+22	9,325137E+21	5,619636E+21	2,805250E+21	1,408944E+21	1,408934E+21	2,805220E+21	5,619612E+21
1939	9,325166E+21	1,292879E+22	1,523794E+22	1,523835E+22	1,292950E+22	9,325727E+21	5,620005E+21	2,805496E+21	1,409122E+21	1,409060E+21	2,805267E+21	5,619575E+21
1940	9,325218E+21	1,292912E+22	1,523830E+22	1,523837E+22	1,292919E+22	9,325226E+21	5,619562E+21	2,805267E+21	1,409100E+21	1,409209E+21	2,805613E+21	5,620043E+21
1941	9,325535E+21	1,292900E+22	1,523762E+22	1,523743E+22	1,292870E+22	9,325325E+21	5,619870E+21	2,805497E+21	1,409164E+21	1,409109E+21	2,805344E+21	5,619631E+21
1942	9,325025E+21	1,292853E+22	1,523761E+22	1,523799E+22	1,292931E+22	9,325698E+21	5,619982E+21	2,805473E+21	1,409136E+21	1,409115E+21	2,805392E+21	5,619833E+21
1943	9,325581E+21	1,292937E+22	1,523823E+22	1,523800E+22	1,292876E+22	9,325052E+21	5,619552E+21	2,805238E+21	1,409006E+21	1,409060E+21	2,805417E+21	5,619870E+21
1944	9,325495E+21	1,292911E+22	1,523787E+22	1,523790E+22	1,292913E+22	9,325507E+21	5,619879E+21	2,805380E+21	1,408960E+21	1,408844E+21	2,805025E+21	5,619383E+21
1945	9,325138E+21	1,292923E+22	1,523863E+22	1,523876E+22	1,292962E+22	9,325574E+21	5,619605E+21	2,805059E+21	1,408777E+21	1,408821E+21	2,805210E+21	5,619821E+21
1946	9,325716E+21	1,292972E+22	1,523889E+22	1,523864E+22	1,292911E+22	9,325169E+21	5,619440E+21	2,804938E+21	1,408624E+21	1,408637E+21	2,804993E+21	5,619574E+21
1947	9,325395E+21	1,292922E+22	1,523841E+22	1,523890E+22	1,292996E+22	9,325871E+21	5,619794E+21	2,805028E+21	1,408564E+21	1,408476E+21	2,804737E+21	5,619317E+21
1948	9,325415E+21	1,292982E+22	1,523930E+22	1,523937E+22	1,292996E+22	9,325543E+21	5,619336E+21	2,804673E+21	1,408386E+21	1,408474E+21	2,804950E+21	5,619735E+21
1949	9,325864E+21	1,293007E+22	1,523918E+22	1,523878E+22	1,292938E+22	9,325433E+21	5,619488E+21	2,804792E+21	1,408380E+21	1,408338E+21	2,804672E+21	5,619306E+21
1950	9,325284E+21	1,292943E+22	1,523897E+22	1,523932E+22	1,293007E+22	9,325892E+21	5,619746E+21	2,804923E+21	1,408464E+21	1,408411E+21	2,804726E+21	5,619388E+21
1951	9,325566E+21	1,292998E+22	1,523943E+22	1,523940E+22	1,292971E+22	9,325291E+21	5,619276E+21	2,804730E+21	1,408466E+21	1,408556E+21	2,805012E+21	5,619688E+21
1952	9,325608E+21	1,292957E+22	1,523860E+22	1,523858E+22	1,292955E+22	9,325592E+21	5,619663E+21	2,805045E+21	1,408643E+21	1,408573E+21	2,804845E+21	5,619353E+21
1953	9,325183E+21	1,292921E+22	1,523858E+22	1,523878E+22	1,292973E+22	9,325730E+21	5,619690E+21	2,805062E+21	1,408761E+21	1,408807E+21	2,805196E+21	5,619826E+21
1954	9,325740E+21	1,292965E+22	1,523862E+22	1,523829E+22	1,292882E+22	9,325030E+21	5,619489E+21	2,805133E+21	1,408899E+21	1,408961E+21	2,805324E+21	5,619810E+21
1955	9,325447E+21	1,292896E+22	1,523765E+22	1,523782E+22	1,292912E+22	9,325549E+21	5,619995E+21	2,805552E+21	1,409173E+21	1,409088E+21	2,805254E+21	5,619495E+21
1956	9,325063E+21	1,292895E+22	1,523810E+22	1,523814E+22	1,292910E+22	9,325300E+21	5,619706E+21	2,805442E+21	1,409270E+21	1,409356E+21	2,805703E+21	5,620036E+21
1957	9,325460E+21	1,292896E+22	1,523765E+22	1,523731E+22	1,292829E+22	9,324979E+21	5,619798E+21	2,805648E+21	1,409431E+21	1,409438E+21	2,805676E+21	5,619803E+21
1958	9,324877E+21	1,292798E+22	1,523674E+22	1,523721E+22	1,292884E+22	9,325589E+21	5,620238E+21	2,805927E+21	1,409608E+21	1,409546E+21	2,805701E+21	5,619804E+21
1959	9,325049E+21	1,292845E+22	1,523720E+22	1,523727E+22	1,292852E+22	9,325062E+21	5,619782E+21	2,805698E+21	1,409576E+21	1,409670E+21	2,805999E+21	5,620217E+21
1960	9,325375E+21	1,292842E+22	1,523666E+22	1,523646E+22	1,292808E+22	9,325146E+21	5,620062E+21	2,805904E+21	1,409619E+21	1,409545E+21	2,805685E+21	5,619769E+21
1961	9,324926E+21	1,292813E+22	1,523684E+22	1,523703E+22	1,292856E+22	9,325402E+21	5,620110E+21	2,805841E+21	1,409572E+21	1,409552E+21	2,805765E+21	5,619984E+21
1962	9,325408E+21	1,292892E+22	1,523760E+22	1,523733E+22	1,292818E+22	9,324739E+21	5,619649E+21	2,805593E+21	1,409425E+21	1,409481E+21	2,805777E+21	5,620009E+21
1963	9,325271E+21	1,292853E+22	1,523706E+22	1,523719E+22	1,292870E+22	9,325344E+21	5,619992E+21	2,805709E+21	1,409371E+21	1,409270E+21	2,805409E+21	5,619554E+21
1964	9,324898E+21	1,292861E+22	1,523785E+22	1,523806E+22	1,292918E+22	9,325436E+21	5,619737E+21	2,805366E+21	1,409153E+21	1,409208E+21	2,805554E+21	5,619994E+21
1965	9,325583E+21	1,292920E+22	1,523806E+22	1,523784E+22	1,292864E+22	9,325034E+21	5,619590E+21	2,805246E+21	1,408988E+21	1,409011E+21	2,805322E+21	5,619708E+21
1966	9,325224E+21	1,292871E+22	1,523753E+22	1,523790E+22	1,292929E+22	9,325688E+21	5,620001E+21	2,805422E+21	1,408987E+21	1,408883E+21	2,805072E+21	5,619436E+21
1967	9,325201E+21	1,292929E+22	1,523851E+22	1,523853E+22	1,292940E+22	9,325363E+21	5,619529E+21	2,805093E+21	1,408854E+21	1,408923E+21	2,805305E+21	5,619818E+21
1968	9,325552E+21	1,292940E+22	1,523831E+22	1,523801E+22	1,292890E+22	9,325260E+21	5,619660E+21	2,805210E+21	1,408869E+21	1,408818E+21	2,805066E+21	5,619459E+21

1 Longitude \odot Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1969	9,325062E+21	1,292876E+22	1,523796E+22	1,523831E+22	1,292941E+22	9,325652E+21	5,619888E+21	2,805324E+21	1,408957E+21	1,408922E+21	2,805195E+21	5,619642E+21
1970	9,325404E+21	1,292932E+22	1,523843E+22	1,523841E+22	1,292904E+22	9,325033E+21	5,619441E+21	2,805141E+21	1,408952E+21	1,409054E+21	2,805464E+21	5,619943E+21
1971	9,325490E+21	1,292896E+22	1,523753E+22	1,523748E+22	1,292885E+22	9,325364E+21	5,619850E+21	2,805472E+21	1,409144E+21	1,409084E+21	2,805296E+21	5,619568E+21
1972	9,325002E+21	1,292866E+22	1,523774E+22	1,523784E+22	1,292904E+22	9,325477E+21	5,619862E+21	2,805486E+21	1,409256E+21	1,409300E+21	2,805609E+21	5,619986E+21
1973	9,325545E+21	1,292911E+22	1,523781E+22	1,523744E+22	1,292823E+22	9,324804E+21	5,619656E+21	2,805549E+21	1,409395E+21	1,409464E+21	2,805751E+21	5,619931E+21
1974	9,325117E+21	1,292824E+22	1,523666E+22	1,523682E+22	1,292845E+22	9,325340E+21	5,620223E+21	2,806034E+21	1,409713E+21	1,409619E+21	2,805711E+21	5,619671E+21
1975	9,324745E+21	1,292813E+22	1,523699E+22	1,523717E+22	1,292859E+22	9,325181E+21	5,619930E+21	2,805914E+21	1,409812E+21	1,409889E+21	2,806156E+21	5,620223E+21
1976	9,325184E+21	1,292813E+22	1,523646E+22	1,523624E+22	1,292772E+22	9,324865E+21	5,620031E+21	2,806097E+21	1,409945E+21	1,409945E+21	2,806107E+21	5,620036E+21
1977	9,324784E+21	1,292737E+22	1,523561E+22	1,523595E+22	1,292798E+22	9,325300E+21	5,620417E+21	2,806351E+21	1,410096E+21	1,410035E+21	2,806134E+21	5,620043E+21
1978	9,324970E+21	1,292799E+22	1,523637E+22	1,523628E+22	1,292771E+22	9,324705E+21	5,619920E+21	2,806106E+21	1,410039E+21	1,410126E+21	2,806379E+21	5,620371E+21
1979	9,325208E+21	1,292793E+22	1,523591E+22	1,523562E+22	1,292744E+22	9,324866E+21	5,620179E+21	2,806278E+21	1,410071E+21	1,410001E+21	2,806069E+21	5,619886E+21
1980	9,324638E+21	1,292758E+22	1,523624E+22	1,523644E+22	1,292808E+22	9,325155E+21	5,620193E+21	2,806171E+21	1,409984E+21	1,409969E+21	2,806121E+21	5,620112E+21
1981	9,325165E+21	1,292832E+22	1,523683E+22	1,523669E+22	1,292786E+22	9,324635E+21	5,619760E+21	2,805887E+21	1,409801E+21	1,409875E+21	2,806126E+21	5,620139E+21
1982	9,325023E+21	1,292787E+22	1,523613E+22	1,523628E+22	1,292821E+22	9,325271E+21	5,620207E+21	2,806070E+21	1,409765E+21	1,409660E+21	2,805750E+21	5,619722E+21
1983	9,324734E+21	1,292801E+22	1,523692E+22	1,523718E+22	1,292871E+22	9,325353E+21	5,619953E+21	2,805754E+21	1,409568E+21	1,409601E+21	2,805864E+21	5,620094E+21
1984	9,325375E+21	1,292864E+22	1,523719E+22	1,523698E+22	1,292814E+22	9,324921E+21	5,619798E+21	2,805640E+21	1,409418E+21	1,409420E+21	2,805644E+21	5,619833E+21
1985	9,325079E+21	1,292822E+22	1,523673E+22	1,523691E+22	1,292855E+22	9,325401E+21	5,620147E+21	2,805811E+21	1,409439E+21	1,409339E+21	2,805475E+21	5,619619E+21
1986	9,325014E+21	1,292873E+22	1,523773E+22	1,523771E+22	1,292874E+22	9,325041E+21	5,619647E+21	2,805488E+21	1,409320E+21	1,409397E+21	2,805731E+21	5,620026E+21
1987	9,325352E+21	1,292873E+22	1,523735E+22	1,523710E+22	1,292835E+22	9,325054E+21	5,619780E+21	2,805584E+21	1,409344E+21	1,409319E+21	2,805533E+21	5,619710E+21
1988	9,324887E+21	1,292815E+22	1,523709E+22	1,523740E+22	1,292878E+22	9,325405E+21	5,620005E+21	2,805684E+21	1,409409E+21	1,409393E+21	2,805621E+21	5,619885E+21
1989	9,325328E+21	1,292881E+22	1,523752E+22	1,523744E+22	1,292842E+22	9,324821E+21	5,619593E+21	2,805517E+21	1,409405E+21	1,409517E+21	2,805859E+21	5,620103E+21
1990	9,325316E+21	1,292842E+22	1,523664E+22	1,523644E+22	1,292812E+22	9,325144E+21	5,620072E+21	2,805932E+21	1,409651E+21	1,409576E+21	2,805696E+21	5,619702E+21
1991	9,324741E+21	1,292801E+22	1,523684E+22	1,523696E+22	1,292847E+22	9,325293E+21	5,620088E+21	2,805980E+21	1,409804E+21	1,409823E+21	2,806013E+21	5,620060E+21
1992	9,325149E+21	1,292829E+22	1,523679E+22	1,523656E+22	1,292775E+22	9,324685E+21	5,619894E+21	2,806039E+21	1,409949E+21	1,410002E+21	2,806192E+21	5,620095E+21
1993	9,324824E+21	1,292741E+22	1,523549E+22	1,523565E+22	1,292772E+22	9,325134E+21	5,620429E+21	2,806496E+21	1,410257E+21	1,410172E+21	2,806209E+21	5,619928E+21
1994	9,324538E+21	1,292735E+22	1,523584E+22	1,523603E+22	1,292782E+22	9,324923E+21	5,620136E+21	2,806368E+21	1,410326E+21	1,410407E+21	2,806613E+21	5,620463E+21
1995	9,325040E+21	1,292747E+22	1,523534E+22	1,523508E+22	1,292697E+22	9,324618E+21	5,620204E+21	2,806523E+21	1,410442E+21	1,410448E+21	2,806548E+21	5,620243E+21
1996	9,324622E+21	1,292687E+22	1,523484E+22	1,523502E+22	1,292725E+22	9,324980E+21	5,620524E+21	2,806728E+21	1,410548E+21	1,410488E+21	2,806519E+21	5,620209E+21
1997	9,324830E+21	1,292754E+22	1,523568E+22	1,523552E+22	1,292716E+22	9,324461E+21	5,620028E+21	2,806450E+21	1,410463E+21	1,410559E+21	2,806744E+21	5,620486E+21
1998	9,324951E+21	1,292735E+22	1,523515E+22	1,523487E+22	1,292693E+22	9,324682E+21	5,620334E+21	2,806657E+21	1,410507E+21	1,410435E+21	2,806447E+21	5,620047E+21
1999	9,324403E+21	1,292690E+22	1,523535E+22	1,523573E+22	1,292776E+22	9,325102E+21	5,620370E+21	2,806541E+21	1,410413E+21	1,410391E+21	2,806470E+21	5,620245E+21
2000	9,324942E+21	1,292765E+22	1,523588E+22	1,523586E+22	1,292748E+22	9,324621E+21	5,619979E+21	2,806252E+21	1,410208E+21	1,410270E+21	2,806454E+21	5,620309E+21
2001	9,324931E+21	1,292735E+22	1,523520E+22	1,523521E+22	1,292749E+22	9,325060E+21	5,620384E+21	2,806441E+21	1,410180E+21	1,410072E+21	2,806106E+21	5,619900E+21
2002	9,324630E+21	1,292755E+22	1,523616E+22	1,523630E+22	1,292801E+22	9,325070E+21	5,620103E+21	2,806135E+21	1,409992E+21	1,410018E+21	2,806206E+21	5,620212E+21
2003	9,325174E+21	1,292810E+22	1,523642E+22	1,523615E+22	1,292752E+22	9,324660E+21	5,619912E+21	2,806008E+21	1,409862E+21	1,409874E+21	2,806038E+21	5,619969E+21
2004	9,324805E+21	1,292764E+22	1,523603E+22	1,523620E+22	1,292798E+22	9,325115E+21	5,620212E+21	2,806145E+21	1,409864E+21	1,409780E+21	2,805873E+21	5,619814E+21

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°
2005	9,324843E+21	1,292813E+22	1,523688E+22	1,523691E+22	1,292826E+22	9,324868E+21	5,619747E+21	2,805802E+21	1,409730E+21	1,409831E+21	2,806122E+21	5,620210E+21
2006	9,325169E+21	1,292809E+22	1,523638E+22	1,523610E+22	1,292771E+22	9,324887E+21	5,619975E+21	2,805977E+21	1,409789E+21	1,409766E+21	2,805924E+21	5,619909E+21
2007	9,324752E+21	1,292757E+22	1,523613E+22	1,523647E+22	1,292825E+22	9,325274E+21	5,620218E+21	2,806120E+21	1,409892E+21	1,409852E+21	2,805975E+21	5,619985E+21
2008	9,325097E+21	1,292822E+22	1,523662E+22	1,523652E+22	1,292788E+22	9,324712E+21	5,619835E+21	2,805981E+21	1,409917E+21	1,410002E+21	2,806236E+21	5,620222E+21
2009	9,325078E+21	1,292778E+22	1,523571E+22	1,523540E+22	1,292736E+22	9,324878E+21	5,620282E+21	2,806420E+21	1,410204E+21	1,410124E+21	2,806164E+21	5,619885E+21
2010	9,324458E+21	1,292723E+22	1,523583E+22	1,523603E+22	1,292781E+22	9,325026E+21	5,620282E+21	2,806468E+21	1,410366E+21	1,410387E+21	2,806502E+21	5,620263E+21
2011	9,324849E+21	1,292742E+22	1,523558E+22	1,523547E+22	1,292711E+22	9,324506E+21	5,620083E+21	2,806496E+21	1,410503E+21	1,410578E+21	2,806718E+21	5,620357E+21
2012	9,324604E+21	1,292669E+22	1,523443E+22	1,523452E+22	1,292694E+22	9,324855E+21	5,620579E+21	2,806909E+21	1,410756E+21	1,410688E+21	2,806679E+21	5,620202E+21
2013	9,324472E+21	1,292681E+22	1,523484E+22	1,523493E+22	1,292706E+22	9,324649E+21	5,620273E+21	2,806756E+21	1,410797E+21	1,410886E+21	2,807020E+21	5,620634E+21
2014	9,324881E+21	1,292694E+22	1,523447E+22	1,523406E+22	1,292622E+22	9,324349E+21	5,620376E+21	2,806949E+21	1,410926E+21	1,410923E+21	2,806941E+21	5,620393E+21
2015	9,324423E+21	1,292630E+22	1,523404E+22	1,523429E+22	1,292677E+22	9,324783E+21	5,620675E+21	2,807145E+21	1,411031E+21	1,410952E+21	2,806883E+21	5,620293E+21
2016	9,324524E+21	1,292686E+22	1,523483E+22	1,523483E+22	1,292681E+22	9,324402E+21	5,620221E+21	2,806850E+21	1,410922E+21	1,411003E+21	2,807114E+21	5,620644E+21
2017	9,324732E+21	1,292666E+22	1,523420E+22	1,523394E+22	1,292635E+22	9,324546E+21	5,620517E+21	2,807032E+21	1,410945E+21	1,410880E+21	2,806848E+21	5,620262E+21
2018	9,324261E+21	1,292628E+22	1,523441E+22	1,523482E+22	1,292713E+22	9,324925E+21	5,620568E+21	2,806920E+21	1,410829E+21	1,410804E+21	2,806821E+21	5,620398E+21
2019	9,324785E+21	1,292709E+22	1,523495E+22	1,523492E+22	1,292687E+22	9,324461E+21	5,620148E+21	2,806616E+21	1,410623E+21	1,410688E+21	2,806808E+21	5,620436E+21
2020	9,324745E+21	1,292693E+22	1,523457E+22	1,523440E+22	1,292680E+22	9,324769E+21	5,620471E+21	2,806762E+21	1,410569E+21	1,410466E+21	2,806444E+21	5,620037E+21
2021	9,324481E+21	1,292710E+22	1,523548E+22	1,523557E+22	1,292744E+22	9,324818E+21	5,620183E+21	2,806448E+21	1,410383E+21	1,410420E+21	2,806548E+21	5,620321E+21
2022	9,324929E+21	1,292750E+22	1,523562E+22	1,523539E+22	1,292700E+22	9,324468E+21	5,620037E+21	2,806362E+21	1,410285E+21	1,410304E+21	2,806425E+21	5,620165E+21
2023	9,324634E+21	1,292699E+22	1,523510E+22	1,523544E+22	1,292759E+22	9,324996E+21	5,620351E+21	2,806508E+21	1,410303E+21	1,410216E+21	2,806243E+21	5,619981E+21
2024	9,324676E+21	1,292752E+22	1,523592E+22	1,523601E+22	1,292777E+22	9,324800E+21	5,619972E+21	2,806204E+21	1,410176E+21	1,410264E+21	2,806486E+21	5,620400E+21
2025	9,325073E+21	1,292757E+22	1,523547E+22	1,523503E+22	1,292693E+22	9,324642E+21	5,620168E+21	2,806407E+21	1,410276E+21	1,410246E+21	2,806327E+21	5,620079E+21
2026	9,324586E+21	1,292702E+22	1,523529E+22	1,523554E+22	1,292751E+22	9,325010E+21	5,620419E+21	2,806581E+21	1,410411E+21	1,410362E+21	2,806381E+21	5,620082E+21
2027	9,324776E+21	1,292751E+22	1,523568E+22	1,523561E+22	1,292727E+22	9,324515E+21	5,620024E+21	2,806447E+21	1,410468E+21	1,410559E+21	2,806708E+21	5,620358E+21
2028	9,324709E+21	1,292701E+22	1,523476E+22	1,523448E+22	1,292671E+22	9,324628E+21	5,620422E+21	2,806848E+21	1,410731E+21	1,410667E+21	2,806655E+21	5,620125E+21
2029	9,324243E+21	1,292646E+22	1,523468E+22	1,523497E+22	1,292718E+22	9,324851E+21	5,620447E+21	2,806874E+21	1,410867E+21	1,410907E+21	2,806967E+21	5,620490E+21
2030	9,324652E+21	1,292667E+22	1,523440E+22	1,523428E+22	1,292634E+22	9,324294E+21	5,620304E+21	2,806949E+21	1,411012E+21	1,411087E+21	2,807174E+21	5,620610E+21
2031	9,324497E+21	1,292607E+22	1,523337E+22	1,523349E+22	1,292629E+22	9,324635E+21	5,620759E+21	2,807354E+21	1,411263E+21	1,411177E+21	2,807074E+21	5,620350E+21
2032	9,324296E+21	1,292628E+22	1,523398E+22	1,523400E+22	1,292644E+22	9,324484E+21	5,620487E+21	2,807200E+21	1,411292E+21	1,411359E+21	2,807406E+21	5,620790E+21
2033	9,324694E+21	1,292638E+22	1,523365E+22	1,523315E+22	1,292549E+22	9,324071E+21	5,620542E+21	2,807382E+21	1,411429E+21	1,411423E+21	2,807372E+21	5,620575E+21
2034	9,324208E+21	1,292568E+22	1,523320E+22	1,523352E+22	1,292623E+22	9,324584E+21	5,620837E+21	2,807551E+21	1,411513E+21	1,411436E+21	2,807296E+21	5,620459E+21
2035	9,324284E+21	1,292616E+22	1,523383E+22	1,523393E+22	1,292632E+22	9,324311E+21	5,620399E+21	2,807227E+21	1,411378E+21	1,411472E+21	2,807528E+21	5,620821E+21
2036	9,324537E+21	1,292609E+22	1,523334E+22	1,523303E+22	1,292570E+22	9,324332E+21	5,620652E+21	2,807368E+21	1,411344E+21	1,411286E+21	2,807209E+21	5,620455E+21
2037	9,324188E+21	1,292584E+22	1,523359E+22	1,523393E+22	1,292651E+22	9,324701E+21	5,620680E+21	2,807236E+21	1,411207E+21	1,411182E+21	2,807125E+21	5,620478E+21
2038	9,324567E+21	1,292658E+22	1,523420E+22	1,523408E+22	1,292622E+22	9,324219E+21	5,620293E+21	2,806974E+21	1,411027E+21	1,411085E+21	2,807137E+21	5,620536E+21
2039	9,324509E+21	1,292635E+22	1,523380E+22	1,523377E+22	1,292637E+22	9,324575E+21	5,620585E+21	2,807116E+21	1,410988E+21	1,410873E+21	2,806772E+21	5,620118E+21
2040	9,324202E+21	1,292647E+22	1,523465E+22	1,523486E+22	1,292706E+22	9,324745E+21	5,620352E+21	2,806806E+21	1,410803E+21	1,410831E+21	2,806907E+21	5,620499E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,324748E+21	1,292686E+22	1,523466E+22	1,523444E+22	1,292639E+22	9,324298E+21	5,620205E+21	2,806733E+21	1,410723E+21	1,410750E+21	2,806830E+21	5,620395E+21
2042	9,324538E+21	1,292644E+22	1,523417E+22	1,523452E+22	1,292695E+22	9,324801E+21	5,620538E+21	2,806900E+21	1,410752E+21	1,410665E+21	2,806621E+21	5,620142E+21
2043	9,324518E+21	1,292696E+22	1,523498E+22	1,523505E+22	1,292714E+22	9,324639E+21	5,620164E+21	2,806618E+21	1,410656E+21	1,410744E+21	2,806884E+21	5,620524E+21
2044	9,324840E+21	1,292708E+22	1,523473E+22	1,523417E+22	1,292621E+22	9,324359E+21	5,620307E+21	2,806807E+21	1,410754E+21	1,410732E+21	2,806747E+21	5,620248E+21
2045	9,324380E+21	1,292643E+22	1,523442E+22	1,523469E+22	1,292690E+22	9,324768E+21	5,620557E+21	2,806987E+21	1,410906E+21	1,410867E+21	2,806814E+21	5,620221E+21
2046	9,324444E+21	1,292671E+22	1,523462E+22	1,523466E+22	1,292666E+22	9,324335E+21	5,620219E+21	2,806893E+21	1,410994E+21	1,411095E+21	2,807193E+21	5,620603E+21
2047	9,324498E+21	1,292621E+22	1,523357E+22	1,523348E+22	1,292615E+22	9,324476E+21	5,620617E+21	2,807290E+21	1,411254E+21	1,411192E+21	2,807111E+21	5,620350E+21
2048	9,324091E+21	1,292580E+22	1,523353E+22	1,523382E+22	1,292648E+22	9,324711E+21	5,620697E+21	2,807338E+21	1,411381E+21	1,411406E+21	2,807399E+21	5,620729E+21
2049	9,324558E+21	1,292612E+22	1,523338E+22	1,523309E+22	1,292545E+22	9,323977E+21	5,620494E+21	2,807419E+21	1,411546E+21	1,411611E+21	2,807619E+21	5,620815E+21
2050	9,324362E+21	1,292556E+22	1,523253E+22	1,523254E+22	1,292550E+22	9,324316E+21	5,620928E+21	2,807808E+21	1,411794E+21	1,411700E+21	2,807496E+21	5,620471E+21
2051	9,324005E+21	1,292561E+22	1,523310E+22	1,523317E+22	1,292586E+22	9,324288E+21	5,620663E+21	2,807642E+21	1,411818E+21	1,411889E+21	2,807853E+21	5,620917E+21
2052	9,324366E+21	1,292572E+22	1,523282E+22	1,523237E+22	1,292494E+22	9,323859E+21	5,620661E+21	2,807750E+21	1,411891E+21	1,411900E+21	2,807801E+21	5,620777E+21
2053	9,324012E+21	1,292502E+22	1,523221E+22	1,523263E+22	1,292570E+22	9,324448E+21	5,620988E+21	2,807894E+21	1,411930E+21	1,411864E+21	2,807661E+21	5,620595E+21
2054	9,324052E+21	1,292550E+22	1,523283E+22	1,523296E+22	1,292572E+22	9,324180E+21	5,620609E+21	2,807605E+21	1,411790E+21	1,411876E+21	2,807872E+21	5,620972E+21
2055	9,324380E+21	1,292553E+22	1,523243E+22	1,523221E+22	1,292520E+22	9,324165E+21	5,620811E+21	2,807732E+21	1,411751E+21	1,411674E+21	2,807510E+21	5,620535E+21
2056	9,323984E+21	1,292535E+22	1,523281E+22	1,523313E+22	1,292597E+22	9,324564E+21	5,620873E+21	2,807609E+21	1,411612E+21	1,411568E+21	2,807448E+21	5,620608E+21
2057	9,324354E+21	1,292601E+22	1,523340E+22	1,523327E+22	1,292559E+22	9,323951E+21	5,620423E+21	2,807347E+21	1,411462E+21	1,411520E+21	2,807529E+21	5,620728E+21
2058	9,324334E+21	1,292577E+22	1,523298E+22	1,523302E+22	1,292584E+22	9,324370E+21	5,620704E+21	2,807460E+21	1,411419E+21	1,411319E+21	2,807170E+21	5,620311E+21
2059	9,324032E+21	1,292587E+22	1,523370E+22	1,523397E+22	1,292653E+22	9,324625E+21	5,620517E+21	2,807160E+21	1,411235E+21	1,411283E+21	2,807313E+21	5,620692E+21
2060	9,324625E+21	1,292642E+22	1,523387E+22	1,523354E+22	1,292571E+22	9,324045E+21	5,620322E+21	2,807065E+21	1,411129E+21	1,411169E+21	2,807204E+21	5,620597E+21
2061	9,324482E+21	1,292605E+22	1,523340E+22	1,523365E+22	1,292631E+22	9,324563E+21	5,620658E+21	2,807250E+21	1,411174E+21	1,411089E+21	2,806958E+21	5,620222E+21
2062	9,324260E+21	1,292640E+22	1,523419E+22	1,523421E+22	1,292652E+22	9,324427E+21	5,620352E+21	2,807034E+21	1,411129E+21	1,411211E+21	2,807271E+21	5,620638E+21
2063	9,324541E+21	1,292636E+22	1,523380E+22	1,523346E+22	1,292577E+22	9,324183E+21	5,620480E+21	2,807238E+21	1,411257E+21	1,411227E+21	2,807159E+21	5,620375E+21
2064	9,324063E+21	1,292567E+22	1,523335E+22	1,523376E+22	1,292640E+22	9,324694E+21	5,620801E+21	2,807436E+21	1,411414E+21	1,411370E+21	2,807267E+21	5,620455E+21
2065	9,324212E+21	1,292591E+22	1,523341E+22	1,523346E+22	1,292588E+22	9,324118E+21	5,620453E+21	2,807366E+21	1,411530E+21	1,411634E+21	2,807680E+21	5,620875E+21
2066	9,324377E+21	1,292557E+22	1,523247E+22	1,523234E+22	1,292535E+22	9,324218E+21	5,620831E+21	2,807756E+21	1,411791E+21	1,411726E+21	2,807562E+21	5,620548E+21
2067	9,323926E+21	1,292521E+22	1,523251E+22	1,523270E+22	1,292570E+22	9,324456E+21	5,620893E+21	2,807806E+21	1,411927E+21	1,411949E+21	2,807849E+21	5,620874E+21
2068	9,324327E+21	1,292561E+22	1,523259E+22	1,523215E+22	1,292466E+22	9,323634E+21	5,620619E+21	2,807840E+21	1,412058E+21	1,412129E+21	2,808066E+21	5,621004E+21
2069	9,324161E+21	1,292499E+22	1,523170E+22	1,523175E+22	1,292494E+22	9,324061E+21	5,621035E+21	2,808199E+21	1,412284E+21	1,412198E+21	2,807918E+21	5,620611E+21
2070	9,323687E+21	1,292485E+22	1,523210E+22	1,523230E+22	1,292535E+22	9,324147E+21	5,620852E+21	2,808051E+21	1,412302E+21	1,412380E+21	2,808290E+21	5,621127E+21
2071	9,324148E+21	1,292496E+22	1,523173E+22	1,523152E+22	1,292451E+22	9,323763E+21	5,620864E+21	2,808142E+21	1,412342E+21	1,412348E+21	2,808179E+21	5,620941E+21
2072	9,323843E+21	1,292444E+22	1,523122E+22	1,523163E+22	1,292512E+22	9,324355E+21	5,621229E+21	2,808292E+21	1,412355E+21	1,412272E+21	2,808009E+21	5,620759E+21
2073	9,323875E+21	1,292494E+22	1,523191E+22	1,523193E+22	1,292496E+22	9,323914E+21	5,620786E+21	2,808008E+21	1,412237E+21	1,412309E+21	2,808231E+21	5,621112E+21
2074	9,324200E+21	1,292503E+22	1,523167E+22	1,523139E+22	1,292455E+22	9,323897E+21	5,620948E+21	2,808104E+21	1,412192E+21	1,412112E+21	2,807872E+21	5,620642E+21
2075	9,323722E+21	1,292474E+22	1,523198E+22	1,523234E+22	1,292544E+22	9,324361E+21	5,621004E+21	2,807972E+21	1,412053E+21	1,412018E+21	2,807843E+21	5,620754E+21
2076	9,324123E+21	1,292548E+22	1,523263E+22	1,523249E+22	1,292504E+22	9,323724E+21	5,620505E+21	2,807649E+21	1,411853E+21	1,411934E+21	2,807922E+21	5,620972E+21

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°
2077	9,324263E+21	1,292530E+22	1,523216E+22	1,523220E+22	1,292532E+22	9,324182E+21	5,620800E+21	2,807751E+21	1,411787E+21	1,411703E+21	2,807508E+21	5,620471E+21
2078	9,323892E+21	1,292536E+22	1,523287E+22	1,523310E+22	1,292596E+22	9,324458E+21	5,620695E+21	2,807513E+21	1,411631E+21	1,411675E+21	2,807646E+21	5,620839E+21
2079	9,324484E+21	1,292592E+22	1,523309E+22	1,523283E+22	1,292525E+22	9,323882E+21	5,620488E+21	2,807434E+21	1,411550E+21	1,411574E+21	2,807517E+21	5,620666E+21
2080	9,324244E+21	1,292555E+22	1,523265E+22	1,523286E+22	1,292579E+22	9,324442E+21	5,620889E+21	2,807670E+21	1,411629E+21	1,411527E+21	2,807328E+21	5,620348E+21
2081	9,323942E+21	1,292568E+22	1,523325E+22	1,523333E+22	1,292590E+22	9,324205E+21	5,620551E+21	2,807492E+21	1,411649E+21	1,411725E+21	2,807721E+21	5,620836E+21
2082	9,324291E+21	1,292561E+22	1,523274E+22	1,523248E+22	1,292517E+22	9,323997E+21	5,620678E+21	2,807684E+21	1,411793E+21	1,411772E+21	2,807641E+21	5,620606E+21
2083	9,323844E+21	1,292491E+22	1,523215E+22	1,523257E+22	1,292568E+22	9,324516E+21	5,621034E+21	2,807902E+21	1,411956E+21	1,411922E+21	2,807756E+21	5,620692E+21
2084	9,324071E+21	1,292536E+22	1,523240E+22	1,523230E+22	1,292501E+22	9,323774E+21	5,620594E+21	2,807789E+21	1,412038E+21	1,412151E+21	2,808141E+21	5,621124E+21
2085	9,324292E+21	1,292510E+22	1,523158E+22	1,523130E+22	1,292455E+22	9,323868E+21	5,620932E+21	2,808162E+21	1,412293E+21	1,412231E+21	2,807973E+21	5,620671E+21
2086	9,323654E+21	1,292460E+22	1,523165E+22	1,523180E+22	1,292503E+22	9,324184E+21	5,621065E+21	2,808250E+21	1,412446E+21	1,412467E+21	2,808286E+21	5,621024E+21
2087	9,324026E+21	1,292486E+22	1,523164E+22	1,523144E+22	1,292426E+22	9,323468E+21	5,620784E+21	2,808267E+21	1,412568E+21	1,412634E+21	2,808484E+21	5,621140E+21
2088	9,323856E+21	1,292425E+22	1,523067E+22	1,523085E+22	1,292449E+22	9,324028E+21	5,621288E+21	2,808629E+21	1,412765E+21	1,412674E+21	2,808344E+21	5,620823E+21
2089	9,323435E+21	1,292406E+22	1,523096E+22	1,523122E+22	1,292468E+22	9,323989E+21	5,621102E+21	2,808500E+21	1,412790E+21	1,412857E+21	2,808704E+21	5,621336E+21
2090	9,324001E+21	1,292434E+22	1,523071E+22	1,523047E+22	1,292383E+22	9,323575E+21	5,621079E+21	2,808561E+21	1,412810E+21	1,412808E+21	2,808560E+21	5,621086E+21
2091	9,323652E+21	1,292389E+22	1,523030E+22	1,523059E+22	1,292443E+22	9,324145E+21	5,621418E+21	2,808698E+21	1,412814E+21	1,412726E+21	2,808387E+21	5,620877E+21
2092	9,323669E+21	1,292449E+22	1,523121E+22	1,523107E+22	1,292425E+22	9,323577E+21	5,620868E+21	2,808347E+21	1,412652E+21	1,412735E+21	2,808614E+21	5,621301E+21
2093	9,324055E+21	1,292455E+22	1,523097E+22	1,523069E+22	1,292403E+22	9,323619E+21	5,620981E+21	2,808400E+21	1,412584E+21	1,412520E+21	2,808232E+21	5,620801E+21
2094	9,323522E+21	1,292416E+22	1,523118E+22	1,523158E+22	1,292497E+22	9,324192E+21	5,621122E+21	2,808289E+21	1,412444E+21	1,412423E+21	2,808218E+21	5,620974E+21
2095	9,324021E+21	1,292491E+22	1,523177E+22	1,523178E+22	1,292466E+22	9,323608E+21	5,620656E+21	2,807971E+21	1,412230E+21	1,412308E+21	2,808235E+21	5,621119E+21
2096	9,324168E+21	1,292490E+22	1,523143E+22	1,523138E+22	1,292482E+22	9,324080E+21	5,621008E+21	2,808110E+21	1,412171E+21	1,412071E+21	2,807816E+21	5,620599E+21
2097	9,323696E+21	1,292484E+22	1,523210E+22	1,523223E+22	1,292530E+22	9,324225E+21	5,620891E+21	2,807932E+21	1,412085E+21	1,412107E+21	2,807987E+21	5,620926E+21
2098	9,324220E+21	1,292534E+22	1,523231E+22	1,523205E+22	1,292471E+22	9,323694E+21	5,620679E+21	2,807859E+21	1,412040E+21	1,412058E+21	2,807909E+21	5,620756E+21
2099	9,323885E+21	1,292480E+22	1,523168E+22	1,523195E+22	1,292525E+22	9,324288E+21	5,621088E+21	2,808112E+21	1,412149E+21	1,412053E+21	2,807782E+21	5,620509E+21
2100	9,323643E+21	1,292494E+22	1,523218E+22	1,523227E+22	1,292523E+22	9,323968E+21	5,620699E+21	2,807894E+21	1,412143E+21	1,412238E+21	2,808197E+21	5,621115E+21
2101	9,324168E+21	1,292496E+22	1,523165E+22	1,523139E+22	1,292447E+22	9,323739E+21	5,620807E+21	2,808076E+21	1,412273E+21	1,412265E+21	2,808076E+21	5,620824E+21
2102	9,323692E+21	1,292429E+22	1,523112E+22	1,523145E+22	1,292491E+22	9,324230E+21	5,621207E+21	2,808335E+21	1,412456E+21	1,412424E+21	2,808193E+21	5,620909E+21
2103	9,323924E+21	1,292476E+22	1,523148E+22	1,523139E+22	1,292438E+22	9,323525E+21	5,620763E+21	2,808223E+21	1,412543E+21	1,412646E+21	2,808544E+21	5,621263E+21
2104	9,324069E+21	1,292455E+22	1,523078E+22	1,523044E+22	1,292395E+22	9,323681E+21	5,621145E+21	2,808612E+21	1,412800E+21	1,412733E+21	2,808411E+21	5,620846E+21
2105	9,323344E+21	1,292382E+22	1,523065E+22	1,523088E+22	1,292442E+22	9,323965E+21	5,621266E+21	2,808727E+21	1,412995E+21	1,413010E+21	2,808755E+21	5,621232E+21
2106	9,323783E+21	1,292410E+22	1,523055E+22	1,523044E+22	1,292373E+22	9,323366E+21	5,621015E+21	2,808718E+21	1,413100E+21	1,413172E+21	2,808948E+21	5,621345E+21
2107	9,323633E+21	1,292352E+22	1,522953E+22	1,522969E+22	1,292382E+22	9,323901E+21	5,621543E+21	2,809086E+21	1,413276E+21	1,413186E+21	2,808782E+21	5,621014E+21
2108	9,323282E+21	1,292351E+22	1,523000E+22	1,523011E+22	1,292387E+22	9,323684E+21	5,621249E+21	2,808898E+21	1,413251E+21	1,413316E+21	2,809099E+21	5,621531E+21
2109	9,323890E+21	1,292388E+22	1,522992E+22	1,522955E+22	1,292312E+22	9,323244E+21	5,621157E+21	2,808917E+21	1,413242E+21	1,413238E+21	2,808911E+21	5,621191E+21
2110	9,323402E+21	1,292332E+22	1,522955E+22	1,522981E+22	1,292381E+22	9,323862E+21	5,621528E+21	2,809059E+21	1,413241E+21	1,413158E+21	2,808765E+21	5,621034E+21
2111	9,323441E+21	1,292384E+22	1,523041E+22	1,523046E+22	1,292389E+22	9,323416E+21	5,620974E+21	2,808674E+21	1,413052E+21	1,413136E+21	2,808959E+21	5,621448E+21
2112	9,323868E+21	1,292400E+22	1,523018E+22	1,522994E+22	1,292363E+22	9,323564E+21	5,621163E+21	2,808725E+21	1,412955E+21	1,412895E+21	2,808576E+21	5,620992E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,323361E+21	1,292357E+22	1,523030E+22	1,523072E+22	1,292443E+22	9,324041E+21	5,621313E+21	2,808663E+21	1,412851E+21	1,412816E+21	2,808546E+21	5,621131E+21
2114	9,323916E+21	1,292444E+22	1,523097E+22	1,523092E+22	1,292414E+22	9,323482E+21	5,620844E+21	2,808347E+21	1,412654E+21	1,412716E+21	2,808551E+21	5,621197E+21
2115	9,323941E+21	1,292438E+22	1,523065E+22	1,523050E+22	1,292424E+22	9,323930E+21	5,621217E+21	2,808520E+21	1,412626E+21	1,412516E+21	2,808171E+21	5,620683E+21
2116	9,323433E+21	1,292429E+22	1,523133E+22	1,523141E+22	1,292467E+22	9,323942E+21	5,621009E+21	2,808310E+21	1,412536E+21	1,412564E+21	2,808388E+21	5,621097E+21
2117	9,323987E+21	1,292469E+22	1,523144E+22	1,523122E+22	1,292416E+22	9,323442E+21	5,620757E+21	2,808219E+21	1,412499E+21	1,412534E+21	2,808334E+21	5,620948E+21
2118	9,323644E+21	1,292406E+22	1,523064E+22	1,523094E+22	1,292462E+22	9,324095E+21	5,621250E+21	2,808501E+21	1,412621E+21	1,412546E+21	2,808246E+21	5,620789E+21
2119	9,323537E+21	1,292426E+22	1,523111E+22	1,523127E+22	1,292461E+22	9,323770E+21	5,620870E+21	2,808291E+21	1,412609E+21	1,412707E+21	2,808602E+21	5,621326E+21
2120	9,324084E+21	1,292448E+22	1,523076E+22	1,523035E+22	1,292376E+22	9,323523E+21	5,621001E+21	2,808498E+21	1,412747E+21	1,412735E+21	2,808481E+21	5,621007E+21
2121	9,323499E+21	1,292370E+22	1,523023E+22	1,523046E+22	1,292414E+22	9,323917E+21	5,621382E+21	2,808808E+21	1,412993E+21	1,412943E+21	2,808615E+21	5,621053E+21
2122	9,323676E+21	1,292412E+22	1,523059E+22	1,523049E+22	1,292380E+22	9,323331E+21	5,620963E+21	2,808696E+21	1,413100E+21	1,413197E+21	2,808994E+21	5,621390E+21
2123	9,323715E+21	1,292375E+22	1,522976E+22	1,522948E+22	1,292340E+22	9,323559E+21	5,621386E+21	2,809097E+21	1,413361E+21	1,413296E+21	2,808891E+21	5,621031E+21
2124	9,323072E+21	1,292307E+22	1,522955E+22	1,522980E+22	1,292374E+22	9,323760E+21	5,621458E+21	2,809164E+21	1,413509E+21	1,413534E+21	2,809224E+21	5,621478E+21
2125	9,323630E+21	1,292344E+22	1,522949E+22	1,522937E+22	1,292304E+22	9,323138E+21	5,621175E+21	2,809130E+21	1,413581E+21	1,413654E+21	2,809358E+21	5,621520E+21
2126	9,323442E+21	1,292289E+22	1,522855E+22	1,522861E+22	1,292308E+22	9,323656E+21	5,621717E+21	2,809498E+21	1,413745E+21	1,413653E+21	2,809186E+21	5,621197E+21
2127	9,323110E+21	1,292290E+22	1,522912E+22	1,522926E+22	1,292327E+22	9,323451E+21	5,621395E+21	2,809283E+21	1,413695E+21	1,413748E+21	2,809450E+21	5,621648E+21
2128	9,323685E+21	1,292337E+22	1,522920E+22	1,522881E+22	1,292259E+22	9,323050E+21	5,621307E+21	2,809286E+21	1,413665E+21	1,413660E+21	2,809290E+21	5,621361E+21
2129	9,323159E+21	1,292265E+22	1,522869E+22	1,522903E+22	1,292328E+22	9,323635E+21	5,621652E+21	2,809440E+21	1,413691E+21	1,413603E+21	2,809159E+21	5,621239E+21
2130	9,323298E+21	1,292325E+22	1,522951E+22	1,522960E+22	1,292344E+22	9,323351E+21	5,621160E+21	2,809037E+21	1,413484E+21	1,413572E+21	2,809334E+21	5,621621E+21
2131	9,323724E+21	1,292346E+22	1,522933E+22	1,522903E+22	1,292307E+22	9,323455E+21	5,621368E+21	2,809099E+21	1,413376E+21	1,413313E+21	2,808921E+21	5,621129E+21
2132	9,323250E+21	1,292316E+22	1,522953E+22	1,522980E+22	1,292373E+22	9,323772E+21	5,621428E+21	2,809005E+21	1,413254E+21	1,413216E+21	2,808872E+21	5,621251E+21
2133	9,323762E+21	1,292401E+22	1,523029E+22	1,523016E+22	1,292357E+22	9,323226E+21	5,620926E+21	2,808681E+21	1,413061E+21	1,413122E+21	2,808873E+21	5,621256E+21
2134	9,323639E+21	1,292375E+22	1,522987E+22	1,522974E+22	1,292369E+22	9,323707E+21	5,621339E+21	2,808884E+21	1,413062E+21	1,412962E+21	2,808569E+21	5,620846E+21
2135	9,323167E+21	1,292351E+22	1,523037E+22	1,523067E+22	1,292424E+22	9,323804E+21	5,621151E+21	2,808671E+21	1,412972E+21	1,413005E+21	2,808776E+21	5,621278E+21
2136	9,323795E+21	1,292404E+22	1,523048E+22	1,523029E+22	1,292362E+22	9,323338E+21	5,620960E+21	2,808597E+21	1,412929E+21	1,412976E+21	2,808751E+21	5,621187E+21
2137	9,323491E+21	1,292339E+22	1,522959E+22	1,522987E+22	1,292388E+22	9,323842E+21	5,621434E+21	2,808936E+21	1,413107E+21	1,413023E+21	2,808655E+21	5,620999E+21
2138	9,323447E+21	1,292375E+22	1,523018E+22	1,523020E+22	1,292391E+22	9,323587E+21	5,621075E+21	2,808736E+21	1,413122E+21	1,413209E+21	2,809005E+21	5,621455E+21
2139	9,323862E+21	1,292392E+22	1,522991E+22	1,522937E+22	1,292306E+22	9,323308E+21	5,621219E+21	2,808972E+21	1,413287E+21	1,413267E+21	2,808912E+21	5,621136E+21
2140	9,323251E+21	1,292310E+22	1,522936E+22	1,522955E+22	1,292345E+22	9,323614E+21	5,621516E+21	2,809252E+21	1,413529E+21	1,413484E+21	2,809082E+21	5,621251E+21
2141	9,323436E+21	1,292341E+22	1,522961E+22	1,522961E+22	1,292325E+22	9,323121E+21	5,621094E+21	2,809124E+21	1,413629E+21	1,413736E+21	2,809464E+21	5,621592E+21
2142	9,323451E+21	1,292294E+22	1,522863E+22	1,522843E+22	1,292276E+22	9,323406E+21	5,621603E+21	2,809542E+21	1,413881E+21	1,413831E+21	2,809382E+21	5,621303E+21
2143	9,322921E+21	1,292231E+22	1,522843E+22	1,522878E+22	1,292309E+22	9,323582E+21	5,621668E+21	2,809596E+21	1,413997E+21	1,414014E+21	2,809627E+21	5,621655E+21
2144	9,323480E+21	1,292291E+22	1,522858E+22	1,522834E+22	1,292232E+22	9,322931E+21	5,621382E+21	2,809555E+21	1,414050E+21	1,414116E+21	2,809754E+21	5,621670E+21
2145	9,323196E+21	1,292226E+22	1,522765E+22	1,522767E+22	1,292234E+22	9,323353E+21	5,621875E+21	2,809936E+21	1,414243E+21	1,414135E+21	2,809581E+21	5,621336E+21
2146	9,322884E+21	1,292230E+22	1,522825E+22	1,522839E+22	1,292272E+22	9,323283E+21	5,621553E+21	2,809689E+21	1,414181E+21	1,414231E+21	2,809849E+21	5,621773E+21
2147	9,323398E+21	1,292267E+22	1,522827E+22	1,522795E+22	1,292209E+22	9,322939E+21	5,621491E+21	2,809678E+21	1,414127E+21	1,414125E+21	2,809689E+21	5,621543E+21
2148	9,323014E+21	1,292208E+22	1,522777E+22	1,522813E+22	1,292268E+22	9,323430E+21	5,621771E+21	2,809771E+21	1,414097E+21	1,414019E+21	2,809531E+21	5,621454E+21

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°
2149	9,323236E+21	1,292279E+22	1,522869E+22	1,522875E+22	1,292287E+22	9,323140E+21	5,621266E+21	2,809359E+21	1,413866E+21	1,413952E+21	2,809648E+21	5,621739E+21
2150	9,323562E+21	1,292299E+22	1,522858E+22	1,522821E+22	1,292247E+22	9,323263E+21	5,621512E+21	2,809435E+21	1,413762E+21	1,413702E+21	2,809253E+21	5,621257E+21
2151	9,323066E+21	1,292262E+22	1,522883E+22	1,522914E+22	1,292323E+22	9,323587E+21	5,621562E+21	2,809339E+21	1,413640E+21	1,413594E+21	2,809175E+21	5,621316E+21
2152	9,323504E+21	1,292347E+22	1,522960E+22	1,522950E+22	1,292310E+22	9,323075E+21	5,621076E+21	2,809028E+21	1,413462E+21	1,413529E+21	2,809239E+21	5,621398E+21
2153	9,323355E+21	1,292302E+22	1,522892E+22	1,522892E+22	1,292314E+22	9,323520E+21	5,621486E+21	2,809270E+21	1,413519E+21	1,413421E+21	2,808979E+21	5,621066E+21
2154	9,323037E+21	1,292288E+22	1,522931E+22	1,522962E+22	1,292366E+22	9,323721E+21	5,621362E+21	2,809073E+21	1,413443E+21	1,413480E+21	2,809187E+21	5,621474E+21
2155	9,323658E+21	1,292347E+22	1,522949E+22	1,522923E+22	1,292291E+22	9,323160E+21	5,621183E+21	2,809036E+21	1,413421E+21	1,413460E+21	2,809154E+21	5,621371E+21
2156	9,323406E+21	1,292295E+22	1,522873E+22	1,522884E+22	1,292306E+22	9,323484E+21	5,621543E+21	2,809344E+21	1,413600E+21	1,413514E+21	2,809067E+21	5,621167E+21
2157	9,323283E+21	1,292325E+22	1,522941E+22	1,522936E+22	1,292323E+22	9,323270E+21	5,621182E+21	2,809154E+21	1,413629E+21	1,413717E+21	2,809424E+21	5,621567E+21
2158	9,323535E+21	1,292320E+22	1,522902E+22	1,522855E+22	1,292247E+22	9,323089E+21	5,621378E+21	2,809407E+21	1,413816E+21	1,413811E+21	2,809396E+21	5,621339E+21
2159	9,322954E+21	1,292225E+22	1,522829E+22	1,522868E+22	1,292295E+22	9,323501E+21	5,621715E+21	2,809682E+21	1,414043E+21	1,414002E+21	2,809530E+21	5,621441E+21
2160	9,323198E+21	1,292268E+22	1,522854E+22	1,522860E+22	1,292266E+22	9,323038E+21	5,621352E+21	2,809569E+21	1,414127E+21	1,414239E+21	2,809916E+21	5,621809E+21
2161	9,323234E+21	1,292218E+22	1,522746E+22	1,522730E+22	1,292199E+22	9,323172E+21	5,621831E+21	2,810026E+21	1,414413E+21	1,414346E+21	2,809816E+21	5,621507E+21
2162	9,322777E+21	1,292171E+22	1,522734E+22	1,522761E+22	1,292236E+22	9,323418E+21	5,621901E+21	2,810066E+21	1,414526E+21	1,414528E+21	2,810043E+21	5,621783E+21
2163	9,323220E+21	1,292228E+22	1,522766E+22	1,522735E+22	1,292160E+22	9,322700E+21	5,621589E+21	2,810013E+21	1,414568E+21	1,414624E+21	2,810175E+21	5,621825E+21
2164	9,322993E+21	1,292167E+22	1,522676E+22	1,522676E+22	1,292163E+22	9,323002E+21	5,621944E+21	2,810314E+21	1,414721E+21	1,414624E+21	2,810019E+21	5,621557E+21
2165	9,322730E+21	1,292172E+22	1,522738E+22	1,522756E+22	1,292216E+22	9,323054E+21	5,621640E+21	2,810031E+21	1,414618E+21	1,414684E+21	2,810254E+21	5,621974E+21
2166	9,323243E+21	1,292209E+22	1,522736E+22	1,522708E+22	1,292153E+22	9,322779E+21	5,621638E+21	2,810013E+21	1,414533E+21	1,414550E+21	2,810080E+21	5,621764E+21
2167	9,322929E+21	1,292158E+22	1,522697E+22	1,522735E+22	1,292215E+22	9,323262E+21	5,621916E+21	2,810096E+21	1,414470E+21	1,414383E+21	2,809822E+21	5,621551E+21
2168	9,323099E+21	1,292242E+22	1,522807E+22	1,522803E+22	1,292233E+22	9,322990E+21	5,621431E+21	2,809691E+21	1,414235E+21	1,414312E+21	2,809939E+21	5,621790E+21
2169	9,323267E+21	1,292240E+22	1,522784E+22	1,522752E+22	1,292191E+22	9,323038E+21	5,621660E+21	2,809811E+21	1,414185E+21	1,414110E+21	2,809584E+21	5,621345E+21
2170	9,322797E+21	1,292200E+22	1,522794E+22	1,522835E+22	1,292280E+22	9,323511E+21	5,621746E+21	2,809721E+21	1,414086E+21	1,414037E+21	2,809545E+21	5,621420E+21
2171	9,323179E+21	1,292273E+22	1,522862E+22	1,522863E+22	1,292260E+22	9,322994E+21	5,621296E+21	2,809426E+21	1,413917E+21	1,413987E+21	2,809638E+21	5,621594E+21
2172	9,323222E+21	1,292242E+22	1,522791E+22	1,522791E+22	1,292245E+22	9,323261E+21	5,621611E+21	2,809633E+21	1,413960E+21	1,413874E+21	2,809390E+21	5,621309E+21
2173	9,322990E+21	1,292243E+22	1,522843E+22	1,522865E+22	1,292295E+22	9,323434E+21	5,621479E+21	2,809449E+21	1,413890E+21	1,413929E+21	2,809569E+21	5,621637E+21
2174	9,323509E+21	1,292297E+22	1,522865E+22	1,522830E+22	1,292221E+22	9,322905E+21	5,621329E+21	2,809429E+21	1,413891E+21	1,413940E+21	2,809574E+21	5,621555E+21
2175	9,323213E+21	1,292238E+22	1,522796E+22	1,522811E+22	1,292247E+22	9,323242E+21	5,621685E+21	2,809740E+21	1,414074E+21	1,413989E+21	2,809464E+21	5,621298E+21
2176	9,323021E+21	1,292263E+22	1,522859E+22	1,522860E+22	1,292271E+22	9,323111E+21	5,621368E+21	2,809574E+21	1,414125E+21	1,414221E+21	2,809874E+21	5,621741E+21
2177	9,323213E+21	1,292236E+22	1,522790E+22	1,522761E+22	1,292190E+22	9,322942E+21	5,621601E+21	2,809877E+21	1,414360E+21	1,414356E+21	2,809879E+21	5,621584E+21
2178	9,322784E+21	1,292152E+22	1,522705E+22	1,522749E+22	1,292232E+22	9,323439E+21	5,621994E+21	2,810164E+21	1,414589E+21	1,414546E+21	2,809991E+21	5,621628E+21
2179	9,322969E+21	1,292198E+22	1,522740E+22	1,522740E+22	1,292188E+22	9,322851E+21	5,621627E+21	2,810074E+21	1,414677E+21	1,414771E+21	2,810347E+21	5,621986E+21
2180	9,323089E+21	1,292162E+22	1,522645E+22	1,522616E+22	1,292111E+22	9,322792E+21	5,621957E+21	2,810465E+21	1,414937E+21	1,414866E+21	2,810253E+21	5,621686E+21
2181	9,322594E+21	1,292116E+22	1,522647E+22	1,522667E+22	1,292161E+22	9,323048E+21	5,622001E+21	2,810480E+21	1,415028E+21	1,415032E+21	2,810469E+21	5,621925E+21
2182	9,322927E+21	1,292158E+22	1,522673E+22	1,522649E+22	1,292100E+22	9,322458E+21	5,621714E+21	2,810401E+21	1,415048E+21	1,415122E+21	2,810632E+21	5,622052E+21
2183	9,322774E+21	1,292098E+22	1,522586E+22	1,522599E+22	1,292114E+22	9,322845E+21	5,622076E+21	2,810653E+21	1,415142E+21	1,415055E+21	2,810399E+21	5,621743E+21
2184	9,322587E+21	1,292120E+22	1,522656E+22	1,522675E+22	1,292165E+22	9,322945E+21	5,621831E+21	2,810375E+21	1,415008E+21	1,415078E+21	2,810601E+21	5,622119E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,323056E+21	1,292151E+22	1,522649E+22	1,522625E+22	1,292097E+22	9,322610E+21	5,621824E+21	2,810393E+21	1,414949E+21	1,414947E+21	2,810397E+21	5,621879E+21
2186	9,322776E+21	1,292112E+22	1,522614E+22	1,522647E+22	1,292164E+22	9,323184E+21	5,622127E+21	2,810479E+21	1,414894E+21	1,414789E+21	2,810130E+21	5,621584E+21
2187	9,322771E+21	1,292182E+22	1,522731E+22	1,522729E+22	1,292182E+22	9,322850E+21	5,621646E+21	2,810095E+21	1,414676E+21	1,414735E+21	2,810275E+21	5,621888E+21
2188	9,323025E+21	1,292178E+22	1,522697E+22	1,522673E+22	1,292135E+22	9,322760E+21	5,621743E+21	2,810159E+21	1,414620E+21	1,414556E+21	2,809991E+21	5,621559E+21
2189	9,322642E+21	1,292140E+22	1,522701E+22	1,522746E+22	1,292223E+22	9,323292E+21	5,621859E+21	2,810062E+21	1,414510E+21	1,414482E+21	2,809960E+21	5,621650E+21
2190	9,323049E+21	1,292214E+22	1,522765E+22	1,522765E+22	1,292195E+22	9,322796E+21	5,621450E+21	2,809778E+21	1,414341E+21	1,414434E+21	2,810065E+21	5,621860E+21
2191	9,323162E+21	1,292196E+22	1,522710E+22	1,522702E+22	1,292178E+22	9,322999E+21	5,621726E+21	2,809974E+21	1,414374E+21	1,414291E+21	2,809742E+21	5,621462E+21
2192	9,322881E+21	1,292206E+22	1,522779E+22	1,522787E+22	1,292233E+22	9,323196E+21	5,621625E+21	2,809817E+21	1,414325E+21	1,414365E+21	2,809933E+21	5,621734E+21
2193	9,323221E+21	1,292234E+22	1,522783E+22	1,522755E+22	1,292164E+22	9,322658E+21	5,621485E+21	2,809857E+21	1,414391E+21	1,414431E+21	2,809982E+21	5,621689E+21
2194	9,322931E+21	1,292168E+22	1,522693E+22	1,522719E+22	1,292201E+22	9,323183E+21	5,621920E+21	2,810196E+21	1,414605E+21	1,414516E+21	2,809904E+21	5,621434E+21
2195	9,322659E+21	1,292179E+22	1,522746E+22	1,522761E+22	1,292216E+22	9,323050E+21	5,621666E+21	2,810063E+21	1,414666E+21	1,414754E+21	2,810321E+21	5,621948E+21
2196	9,323028E+21	1,292162E+22	1,522669E+22	1,522643E+22	1,292111E+22	9,322669E+21	5,621795E+21	2,810337E+21	1,414893E+21	1,414892E+21	2,810351E+21	5,621828E+21
2197	9,322662E+21	1,292094E+22	1,522597E+22	1,522630E+22	1,292149E+22	9,323133E+21	5,622176E+21	2,810622E+21	1,415113E+21	1,415068E+21	2,810435E+21	5,621806E+21
2198	9,322747E+21	1,292135E+22	1,522640E+22	1,522631E+22	1,292107E+22	9,322553E+21	5,621798E+21	2,810516E+21	1,415198E+21	1,415300E+21	2,810813E+21	5,622187E+21
2199	9,322850E+21	1,292099E+22	1,522561E+22	1,522531E+22	1,292042E+22	9,322471E+21	5,622065E+21	2,810860E+21	1,415423E+21	1,415356E+21	2,810674E+21	5,621854E+21
2200	9,322370E+21	1,292056E+22	1,522566E+22	1,522590E+22	1,292107E+22	9,322828E+21	5,622130E+21	2,810858E+21	1,415494E+21	1,415511E+21	2,810900E+21	5,622113E+21
2201	9,322673E+21	1,292084E+22	1,522571E+22	1,522562E+22	1,292049E+22	9,322311E+21	5,621895E+21	2,810802E+21	1,415519E+21	1,415594E+21	2,811050E+21	5,622280E+21
2202	9,322667E+21	1,292043E+22	1,522485E+22	1,522498E+22	1,292063E+22	9,322802E+21	5,622317E+21	2,811059E+21	1,415594E+21	1,415497E+21	2,810761E+21	5,621874E+21
2203	9,322386E+21	1,292066E+22	1,522572E+22	1,522585E+22	1,292106E+22	9,322819E+21	5,622084E+21	2,810799E+21	1,415455E+21	1,415496E+21	2,810916E+21	5,622217E+21
2204	9,322886E+21	1,292102E+22	1,522569E+22	1,522540E+22	1,292032E+22	9,322316E+21	5,621940E+21	2,810759E+21	1,415380E+21	1,415373E+21	2,810746E+21	5,621986E+21
2205	9,322550E+21	1,292061E+22	1,522540E+22	1,522570E+22	1,292107E+22	9,322913E+21	5,622233E+21	2,810831E+21	1,415316E+21	1,415218E+21	2,810498E+21	5,621700E+21
2206	9,322459E+21	1,292111E+22	1,522639E+22	1,522648E+22	1,292133E+22	9,322679E+21	5,621772E+21	2,810434E+21	1,415093E+21	1,415175E+21	2,810692E+21	5,622110E+21
2207	9,322824E+21	1,292113E+22	1,522610E+22	1,522592E+22	1,292084E+22	9,322584E+21	5,621856E+21	2,810461E+21	1,414998E+21	1,414952E+21	2,810357E+21	5,621781E+21
2208	9,322578E+21	1,292096E+22	1,522623E+22	1,522660E+22	1,292163E+22	9,323083E+21	5,622003E+21	2,810387E+21	1,414889E+21	1,414870E+21	2,810311E+21	5,621824E+21
2209	9,322918E+21	1,292163E+22	1,522681E+22	1,522676E+22	1,292134E+22	9,322579E+21	5,621614E+21	2,810158E+21	1,414768E+21	1,414850E+21	2,810413E+21	5,622017E+21
2210	9,323050E+21	1,292155E+22	1,522633E+22	1,522613E+22	1,292123E+22	9,322866E+21	5,621917E+21	2,810371E+21	1,414830E+21	1,414736E+21	2,810093E+21	5,621531E+21
2211	9,322563E+21	1,292145E+22	1,522701E+22	1,522710E+22	1,292179E+22	9,323024E+21	5,621849E+21	2,810267E+21	1,414823E+21	1,414844E+21	2,810314E+21	5,621859E+21
2212	9,322959E+21	1,292164E+22	1,522684E+22	1,522667E+22	1,292109E+22	9,322416E+21	5,621622E+21	2,810277E+21	1,414907E+21	1,414956E+21	2,810445E+21	5,621908E+21
2213	9,322726E+21	1,292098E+22	1,522585E+22	1,522613E+22	1,292137E+22	9,322982E+21	5,622117E+21	2,810637E+21	1,415124E+21	1,415050E+21	2,810382E+21	5,621665E+21
2214	9,322439E+21	1,292103E+22	1,522629E+22	1,522643E+22	1,292142E+22	9,322840E+21	5,621895E+21	2,810526E+21	1,415194E+21	1,415291E+21	2,810804E+21	5,622197E+21
2215	9,322854E+21	1,292101E+22	1,522573E+22	1,522535E+22	1,292032E+22	9,322357E+21	5,621951E+21	2,810768E+21	1,415398E+21	1,415396E+21	2,810774E+21	5,622003E+21
2216	9,322480E+21	1,292041E+22	1,522515E+22	1,522533E+22	1,292073E+22	9,322812E+21	5,622323E+21	2,811046E+21	1,415617E+21	1,415575E+21	2,810866E+21	5,621938E+21
2217	9,322423E+21	1,292060E+22	1,522543E+22	1,522540E+22	1,292043E+22	9,322286E+21	5,621959E+21	2,810967E+21	1,415728E+21	1,415826E+21	2,811266E+21	5,622376E+21
2218	9,322604E+21	1,292028E+22	1,522455E+22	1,522434E+22	1,291994E+22	9,322386E+21	5,622268E+21	2,811292E+21	1,415938E+21	1,415873E+21	2,811113E+21	5,622025E+21
2219	9,322089E+21	1,291982E+22	1,522464E+22	1,522497E+22	1,292054E+22	9,322740E+21	5,622394E+21	2,811310E+21	1,415991E+21	1,415992E+21	2,811300E+21	5,622321E+21
2220	9,322563E+21	1,292023E+22	1,522467E+22	1,522460E+22	1,291985E+22	9,322080E+21	5,622060E+21	2,811207E+21	1,415988E+21	1,416058E+21	2,811445E+21	5,622475E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2221	9,322563E+21	1,291996E+22	1,522400E+22	1,522401E+22	1,291997E+22	9,322567E+21	5,622486E+21	2,811450E+21	1,416036E+21	1,415936E+21	2,811127E+21	5,622000E+21
2222	9,322148E+21	1,292008E+22	1,522491E+22	1,522498E+22	1,292043E+22	9,322602E+21	5,622249E+21	2,811177E+21	1,415887E+21	1,415932E+21	2,811296E+21	5,622355E+21
2223	9,322619E+21	1,292044E+22	1,522500E+22	1,522469E+22	1,291977E+22	9,322056E+21	5,622028E+21	2,811084E+21	1,415777E+21	1,415778E+21	2,811102E+21	5,622137E+21
2224	9,322350E+21	1,292006E+22	1,522466E+22	1,522497E+22	1,292060E+22	9,322729E+21	5,622332E+21	2,811135E+21	1,415699E+21	1,415623E+21	2,810875E+21	5,621887E+21
2225	9,322270E+21	1,292045E+22	1,522543E+22	1,522559E+22	1,292082E+22	9,322531E+21	5,621922E+21	2,810775E+21	1,415495E+21	1,415582E+21	2,811063E+21	5,622341E+21
2226	9,322786E+21	1,292067E+22	1,522518E+22	1,522493E+22	1,292030E+22	9,322479E+21	5,622042E+21	2,810821E+21	1,415407E+21	1,415352E+21	2,810685E+21	5,621913E+21
2227	9,322433E+21	1,292052E+22	1,522552E+22	1,522578E+22	1,292103E+22	9,322890E+21	5,622200E+21	2,810789E+21	1,415322E+21	1,415273E+21	2,810613E+21	5,621928E+21
2228	9,322767E+21	1,292116E+22	1,522606E+22	1,522595E+22	1,292071E+22	9,322266E+21	5,621717E+21	2,810539E+21	1,415225E+21	1,415301E+21	2,810777E+21	5,622125E+21
2229	9,322802E+21	1,292099E+22	1,522557E+22	1,522535E+22	1,292067E+22	9,322622E+21	5,622061E+21	2,810773E+21	1,415306E+21	1,415221E+21	2,810508E+21	5,621662E+21
2230	9,322212E+21	1,292064E+22	1,522599E+22	1,522621E+22	1,292128E+22	9,322891E+21	5,622044E+21	2,810687E+21	1,415321E+21	1,415358E+21	2,810777E+21	5,622067E+21
2231	9,322677E+21	1,292087E+22	1,522582E+22	1,522569E+22	1,292049E+22	9,322243E+21	5,621803E+21	2,810681E+21	1,415386E+21	1,415447E+21	2,810880E+21	5,622130E+21
2232	9,322576E+21	1,292038E+22	1,522487E+22	1,522506E+22	1,292067E+22	9,322766E+21	5,622310E+21	2,811059E+21	1,415611E+21	1,415543E+21	2,810811E+21	5,621851E+21
2233	9,322229E+21	1,292033E+22	1,522520E+22	1,522531E+22	1,292069E+22	9,322602E+21	5,622100E+21	2,810993E+21	1,415720E+21	1,415804E+21	2,811237E+21	5,622388E+21
2234	9,322679E+21	1,292041E+22	1,522473E+22	1,522429E+22	1,291966E+22	9,322164E+21	5,622163E+21	2,811238E+21	1,415936E+21	1,415923E+21	2,811208E+21	5,622143E+21
2235	9,322176E+21	1,291971E+22	1,522425E+22	1,522445E+22	1,292010E+22	9,322569E+21	5,622528E+21	2,811530E+21	1,416163E+21	1,416104E+21	2,811310E+21	5,622147E+21
2236	9,322222E+21	1,291987E+22	1,522436E+22	1,522441E+22	1,291981E+22	9,322033E+21	5,622094E+21	2,811396E+21	1,416260E+21	1,416370E+21	2,811754E+21	5,622642E+21
2237	9,322478E+21	1,291967E+22	1,522355E+22	1,522329E+22	1,291928E+22	9,322190E+21	5,622460E+21	2,811709E+21	1,416431E+21	1,416384E+21	2,811572E+21	5,622261E+21
2238	9,321941E+21	1,291920E+22	1,522363E+22	1,522391E+22	1,291986E+22	9,322552E+21	5,622601E+21	2,811731E+21	1,416467E+21	1,416471E+21	2,811714E+21	5,622508E+21
2239	9,322399E+21	1,291974E+22	1,522393E+22	1,522372E+22	1,291921E+22	9,321830E+21	5,622190E+21	2,811574E+21	1,416417E+21	1,416481E+21	2,811785E+21	5,622583E+21
2240	9,322369E+21	1,291950E+22	1,522337E+22	1,522327E+22	1,291937E+22	9,322309E+21	5,622597E+21	2,811794E+21	1,416448E+21	1,416351E+21	2,811469E+21	5,622073E+21
2241	9,321810E+21	1,291934E+22	1,522402E+22	1,522422E+22	1,291995E+22	9,322425E+21	5,622393E+21	2,811546E+21	1,416314E+21	1,416353E+21	2,811659E+21	5,622503E+21
2242	9,322383E+21	1,291976E+22	1,522403E+22	1,522384E+22	1,291938E+22	9,322008E+21	5,622203E+21	2,811435E+21	1,416189E+21	1,416190E+21	2,811457E+21	5,622284E+21
2243	9,322128E+21	1,291942E+22	1,522377E+22	1,522411E+22	1,292005E+22	9,322599E+21	5,622537E+21	2,811512E+21	1,416108E+21	1,416013E+21	2,811205E+21	5,622080E+21
2244	9,322218E+21	1,291994E+22	1,522452E+22	1,522463E+22	1,292017E+22	9,322283E+21	5,622048E+21	2,811130E+21	1,415908E+21	1,415990E+21	2,811408E+21	5,622512E+21
2245	9,322724E+21	1,292032E+22	1,522449E+22	1,522406E+22	1,291964E+22	9,322227E+21	5,622175E+21	2,811177E+21	1,415822E+21	1,415771E+21	2,811032E+21	5,622024E+21
2246	9,322213E+21	1,291999E+22	1,522479E+22	1,522501E+22	1,292045E+22	9,322665E+21	5,622342E+21	2,811168E+21	1,415767E+21	1,415721E+21	2,810993E+21	5,622048E+21
2247	9,322478E+21	1,292056E+22	1,522537E+22	1,522527E+22	1,292022E+22	9,322039E+21	5,621813E+21	2,810894E+21	1,415666E+21	1,415749E+21	2,811165E+21	5,622282E+21
2248	9,322565E+21	1,292034E+22	1,522473E+22	1,522456E+22	1,292018E+22	9,322467E+21	5,622202E+21	2,811138E+21	1,415762E+21	1,415699E+21	2,810942E+21	5,621862E+21
2249	9,321968E+21	1,291983E+22	1,522483E+22	1,522516E+22	1,292069E+22	9,322777E+21	5,622276E+21	2,811122E+21	1,415813E+21	1,415853E+21	2,811220E+21	5,622307E+21
2250	9,322558E+21	1,292024E+22	1,522470E+22	1,522453E+22	1,291983E+22	9,322118E+21	5,622050E+21	2,811143E+21	1,415900E+21	1,415950E+21	2,811297E+21	5,622294E+21
2251	9,322369E+21	1,291978E+22	1,522395E+22	1,522402E+22	1,291990E+22	9,322510E+21	5,622536E+21	2,811550E+21	1,416149E+21	1,416053E+21	2,811219E+21	5,622023E+21
2252	9,322057E+21	1,291969E+22	1,522420E+22	1,522425E+22	1,291990E+22	9,322246E+21	5,622228E+21	2,811452E+21	1,416272E+21	1,416355E+21	2,811704E+21	5,622576E+21
2253	9,322456E+21	1,291976E+22	1,522377E+22	1,522332E+22	1,291896E+22	9,321880E+21	5,622314E+21	2,811684E+21	1,416477E+21	1,416479E+21	2,811700E+21	5,622355E+21
2254	9,321904E+21	1,291892E+22	1,522317E+22	1,522346E+22	1,291949E+22	9,322388E+21	5,622709E+21	2,811968E+21	1,416691E+21	1,416647E+21	2,811801E+21	5,622394E+21
2255	9,322023E+21	1,291921E+22	1,522341E+22	1,522342E+22	1,291917E+22	9,321832E+21	5,622263E+21	2,811800E+21	1,416737E+21	1,416853E+21	2,812174E+21	5,622854E+21
2256	9,322363E+21	1,291916E+22	1,522271E+22	1,522237E+22	1,291864E+22	9,321996E+21	5,622634E+21	2,812100E+21	1,416885E+21	1,416839E+21	2,811952E+21	5,622395E+21

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°
2257	9,321719E+21	1,291857E+22	1,522271E+22	1,522298E+22	1,291925E+22	9,322379E+21	5,622799E+21	2,812145E+21	1,416926E+21	1,416913E+21	2,812069E+21	5,622612E+21
2258	9,322161E+21	1,291916E+22	1,522305E+22	1,522286E+22	1,291868E+22	9,321702E+21	5,622387E+21	2,811981E+21	1,416871E+21	1,416918E+21	2,812129E+21	5,622648E+21
2259	9,322029E+21	1,291881E+22	1,522255E+22	1,522255E+22	1,291888E+22	9,322143E+21	5,622774E+21	2,812195E+21	1,416895E+21	1,416777E+21	2,811827E+21	5,622246E+21
2260	9,321625E+21	1,291863E+22	1,522297E+22	1,522329E+22	1,291939E+22	9,322225E+21	5,622508E+21	2,811899E+21	1,416750E+21	1,416797E+21	2,812060E+21	5,622732E+21
2261	9,322300E+21	1,291923E+22	1,522312E+22	1,522288E+22	1,291873E+22	9,321814E+21	5,622365E+21	2,811784E+21	1,416597E+21	1,416613E+21	2,811842E+21	5,622498E+21
2262	9,322045E+21	1,291894E+22	1,522294E+22	1,522320E+22	1,291940E+22	9,322368E+21	5,622672E+21	2,811865E+21	1,416519E+21	1,416426E+21	2,811561E+21	5,622238E+21
2263	9,322092E+21	1,291958E+22	1,522394E+22	1,522388E+22	1,291955E+22	9,322006E+21	5,622127E+21	2,811449E+21	1,416298E+21	1,416380E+21	2,811722E+21	5,622607E+21
2264	9,322542E+21	1,291991E+22	1,522395E+22	1,522346E+22	1,291913E+22	9,321994E+21	5,622257E+21	2,811493E+21	1,416222E+21	1,416183E+21	2,811373E+21	5,622099E+21
2265	9,321887E+21	1,291926E+22	1,522391E+22	1,522428E+22	1,292004E+22	9,322550E+21	5,622500E+21	2,811541E+21	1,416207E+21	1,416162E+21	2,811372E+21	5,622193E+21
2266	9,322220E+21	1,291983E+22	1,522432E+22	1,522439E+22	1,291983E+22	9,322037E+21	5,622042E+21	2,811297E+21	1,416126E+21	1,416207E+21	2,811553E+21	5,622435E+21
2267	9,322319E+21	1,291962E+22	1,522371E+22	1,522361E+22	1,291958E+22	9,322347E+21	5,622463E+21	2,811593E+21	1,416248E+21	1,416163E+21	2,811339E+21	5,622089E+21
2268	9,321871E+21	1,291917E+22	1,522369E+22	1,522399E+22	1,291992E+22	9,322523E+21	5,622463E+21	2,811574E+21	1,416329E+21	1,416361E+21	2,811653E+21	5,622512E+21
2269	9,322441E+21	1,291973E+22	1,522378E+22	1,522343E+22	1,291899E+22	9,321828E+21	5,622241E+21	2,811597E+21	1,416423E+21	1,416480E+21	2,811754E+21	5,622475E+21
2270	9,322139E+21	1,291914E+22	1,522302E+22	1,522303E+22	1,291913E+22	9,322190E+21	5,622686E+21	2,812006E+21	1,416692E+21	1,416603E+21	2,811699E+21	5,622213E+21
2271	9,321797E+21	1,291906E+22	1,522336E+22	1,522338E+22	1,291925E+22	9,321953E+21	5,622327E+21	2,811862E+21	1,416789E+21	1,416885E+21	2,812172E+21	5,622800E+21
2272	9,322276E+21	1,291912E+22	1,522286E+22	1,522244E+22	1,291838E+22	9,321676E+21	5,622441E+21	2,812073E+21	1,416975E+21	1,417001E+21	2,812163E+21	5,622572E+21
2273	9,321701E+21	1,291818E+22	1,522203E+22	1,522240E+22	1,291888E+22	9,322260E+21	5,622939E+21	2,812411E+21	1,417193E+21	1,417145E+21	2,812228E+21	5,622599E+21
2274	9,321884E+21	1,291862E+22	1,522238E+22	1,522240E+22	1,291859E+22	9,321736E+21	5,622514E+21	2,812254E+21	1,417233E+21	1,417325E+21	2,812538E+21	5,622943E+21
2275	9,322089E+21	1,291855E+22	1,522189E+22	1,522152E+22	1,291799E+22	9,321798E+21	5,622862E+21	2,812560E+21	1,417378E+21	1,417298E+21	2,812310E+21	5,622507E+21
2276	9,321460E+21	1,291786E+22	1,522171E+22	1,522205E+22	1,291860E+22	9,322120E+21	5,622947E+21	2,812566E+21	1,417419E+21	1,417399E+21	2,812474E+21	5,622742E+21
2277	9,321879E+21	1,291847E+22	1,522211E+22	1,522196E+22	1,291808E+22	9,321503E+21	5,622548E+21	2,812368E+21	1,417333E+21	1,417396E+21	2,812557E+21	5,622833E+21
2278	9,321773E+21	1,291806E+22	1,522152E+22	1,522161E+22	1,291829E+22	9,321965E+21	5,622920E+21	2,812557E+21	1,417332E+21	1,417230E+21	2,812243E+21	5,622468E+21
2279	9,321504E+21	1,291813E+22	1,522214E+22	1,522238E+22	1,291875E+22	9,321993E+21	5,622611E+21	2,812214E+21	1,417134E+21	1,417190E+21	2,812410E+21	5,622933E+21
2280	9,322272E+21	1,291889E+22	1,522244E+22	1,522210E+22	1,291814E+22	9,321581E+21	5,622450E+21	2,812078E+21	1,416964E+21	1,416990E+21	2,812160E+21	5,622622E+21
2281	9,321898E+21	1,291848E+22	1,522222E+22	1,522244E+22	1,291886E+22	9,322191E+21	5,622812E+21	2,812200E+21	1,416907E+21	1,416808E+21	2,811876E+21	5,622342E+21
2282	9,321904E+21	1,291910E+22	1,522323E+22	1,522322E+22	1,291913E+22	9,321900E+21	5,622298E+21	2,811811E+21	1,416710E+21	1,416778E+21	2,812038E+21	5,622667E+21
2283	9,322225E+21	1,291927E+22	1,522321E+22	1,522286E+22	1,291872E+22	9,321882E+21	5,622440E+21	2,811881E+21	1,416661E+21	1,416607E+21	2,811739E+21	5,622281E+21
2284	9,321698E+21	1,291854E+22	1,522280E+22	1,522331E+22	1,291949E+22	9,322414E+21	5,622677E+21	2,811933E+21	1,416676E+21	1,416641E+21	2,811798E+21	5,622409E+21
2285	9,322089E+21	1,291923E+22	1,522329E+22	1,522330E+22	1,291910E+22	9,321867E+21	5,622275E+21	2,811721E+21	1,416607E+21	1,416698E+21	2,811987E+21	5,622647E+21
2286	9,322174E+21	1,291903E+22	1,522272E+22	1,522255E+22	1,291880E+22	9,322073E+21	5,622643E+21	2,812036E+21	1,416756E+21	1,416670E+21	2,811770E+21	5,622265E+21
2287	9,321702E+21	1,291871E+22	1,522290E+22	1,522301E+22	1,291910E+22	9,322159E+21	5,622570E+21	2,811983E+21	1,416826E+21	1,416860E+21	2,812071E+21	5,622665E+21
2288	9,322226E+21	1,291918E+22	1,522300E+22	1,522262E+22	1,291833E+22	9,321521E+21	5,622334E+21	2,811993E+21	1,416926E+21	1,416998E+21	2,812200E+21	5,622627E+21
2289	9,321824E+21	1,291835E+22	1,522198E+22	1,522214E+22	1,291858E+22	9,322015E+21	5,622844E+21	2,812426E+21	1,417207E+21	1,417127E+21	2,812161E+21	5,622423E+21
2290	9,321564E+21	1,291830E+22	1,522222E+22	1,522239E+22	1,291874E+22	9,321886E+21	5,622572E+21	2,812312E+21	1,417306E+21	1,417396E+21	2,812599E+21	5,622968E+21
2291	9,322030E+21	1,291841E+22	1,522184E+22	1,522150E+22	1,291778E+22	9,321557E+21	5,622715E+21	2,812554E+21	1,417491E+21	1,417491E+21	2,812572E+21	5,622775E+21
2292	9,321553E+21	1,291751E+22	1,522089E+22	1,522127E+22	1,291817E+22	9,322055E+21	5,623153E+21	2,812878E+21	1,417721E+21	1,417658E+21	2,812646E+21	5,622745E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,321667E+21	1,291804E+22	1,522146E+22	1,522137E+22	1,291782E+22	9,321518E+21	5,622749E+21	2,812712E+21	1,417747E+21	1,417835E+21	2,812964E+21	5,623076E+21
2294	9,321781E+21	1,291783E+22	1,522094E+22	1,522062E+22	1,291732E+22	9,321529E+21	5,623024E+21	2,812991E+21	1,417882E+21	1,417804E+21	2,812751E+21	5,622674E+21
2295	9,321196E+21	1,291722E+22	1,522080E+22	1,522115E+22	1,291797E+22	9,321851E+21	5,623032E+21	2,812916E+21	1,417865E+21	1,417863E+21	2,812900E+21	5,622970E+21
2296	9,321742E+21	1,291790E+22	1,522121E+22	1,522109E+22	1,291751E+22	9,321303E+21	5,622641E+21	2,812675E+21	1,417735E+21	1,417826E+21	2,812957E+21	5,623058E+21
2297	9,321675E+21	1,291752E+22	1,522058E+22	1,522066E+22	1,291769E+22	9,321788E+21	5,623064E+21	2,812885E+21	1,417720E+21	1,417622E+21	2,812593E+21	5,622666E+21
2298	9,321468E+21	1,291777E+22	1,522139E+22	1,522157E+22	1,291822E+22	9,321839E+21	5,622778E+21	2,812564E+21	1,417524E+21	1,417561E+21	2,812691E+21	5,622998E+21
2299	9,322077E+21	1,291848E+22	1,522189E+22	1,522153E+22	1,291766E+22	9,321395E+21	5,622609E+21	2,812440E+21	1,417363E+21	1,417361E+21	2,812450E+21	5,622708E+21
2300	9,321668E+21	1,291790E+22	1,522140E+22	1,522173E+22	1,291838E+22	9,322000E+21	5,622946E+21	2,812563E+21	1,417337E+21	1,417235E+21	2,812228E+21	5,622440E+21
2301	9,321617E+21	1,291846E+22	1,522239E+22	1,522244E+22	1,291864E+22	9,321800E+21	5,622504E+21	2,812188E+21	1,417149E+21	1,417228E+21	2,812431E+21	5,622815E+21
2302	9,321942E+21	1,291852E+22	1,522218E+22	1,522195E+22	1,291816E+22	9,321745E+21	5,622645E+21	2,812280E+21	1,417121E+21	1,417075E+21	2,812156E+21	5,622474E+21
2303	9,321536E+21	1,291800E+22	1,522185E+22	1,522228E+22	1,291879E+22	9,322178E+21	5,622832E+21	2,812314E+21	1,417123E+21	1,417093E+21	2,812196E+21	5,622609E+21
2304	9,321983E+21	1,291876E+22	1,522245E+22	1,522236E+22	1,291841E+22	9,321592E+21	5,622389E+21	2,812092E+21	1,417062E+21	1,417163E+21	2,812383E+21	5,622797E+21
2305	9,321964E+21	1,291844E+22	1,522180E+22	1,522159E+22	1,291810E+22	9,321808E+21	5,622791E+21	2,812444E+21	1,417241E+21	1,417156E+21	2,812187E+21	5,622430E+21
2306	9,321483E+21	1,291809E+22	1,522201E+22	1,522218E+22	1,291854E+22	9,321947E+21	5,622743E+21	2,812418E+21	1,417335E+21	1,417360E+21	2,812486E+21	5,622801E+21
2307	9,321917E+21	1,291845E+22	1,522207E+22	1,522184E+22	1,291783E+22	9,321354E+21	5,622523E+21	2,812438E+21	1,417448E+21	1,417513E+21	2,812655E+21	5,622872E+21
2308	9,321633E+21	1,291757E+22	1,522076E+22	1,522102E+22	1,291794E+22	9,321861E+21	5,623062E+21	2,812882E+21	1,417747E+21	1,417675E+21	2,812646E+21	5,622667E+21
2309	9,321418E+21	1,291767E+22	1,522114E+22	1,522124E+22	1,291796E+22	9,321725E+21	5,622858E+21	2,812796E+21	1,417846E+21	1,417937E+21	2,813061E+21	5,623162E+21
2310	9,321821E+21	1,291776E+22	1,522080E+22	1,522043E+22	1,291702E+22	9,321305E+21	5,622937E+21	2,813038E+21	1,418038E+21	1,418030E+21	2,813015E+21	5,622916E+21
2311	9,321317E+21	1,291697E+22	1,522002E+22	1,522027E+22	1,291740E+22	9,321733E+21	5,623284E+21	2,813298E+21	1,418225E+21	1,418166E+21	2,813074E+21	5,622889E+21
2312	9,321393E+21	1,291739E+22	1,522059E+22	1,522053E+22	1,291721E+22	9,321239E+21	5,622843E+21	2,813089E+21	1,418221E+21	1,418324E+21	2,813391E+21	5,623234E+21
2313	9,321478E+21	1,291704E+22	1,521987E+22	1,521969E+22	1,291678E+22	9,321354E+21	5,623167E+21	2,813359E+21	1,418330E+21	1,418264E+21	2,813173E+21	5,622905E+21
2314	9,321045E+21	1,291658E+22	1,521980E+22	1,522023E+22	1,291743E+22	9,321720E+21	5,623225E+21	2,813287E+21	1,418286E+21	1,418278E+21	2,813255E+21	5,623141E+21
2315	9,321604E+21	1,291739E+22	1,522040E+22	1,522030E+22	1,291698E+22	9,321151E+21	5,622833E+21	2,813049E+21	1,418138E+21	1,418207E+21	2,813283E+21	5,623244E+21
2316	9,321600E+21	1,291708E+22	1,521974E+22	1,521976E+22	1,291709E+22	9,321588E+21	5,623211E+21	2,813243E+21	1,418134E+21	1,418027E+21	2,812921E+21	5,622778E+21
2317	9,321309E+21	1,291738E+22	1,522076E+22	1,522080E+22	1,291761E+22	9,321661E+21	5,622978E+21	2,812939E+21	1,417945E+21	1,417976E+21	2,813027E+21	5,623076E+21
2318	9,321781E+21	1,291788E+22	1,522116E+22	1,522091E+22	1,291721E+22	9,321202E+21	5,622756E+21	2,812814E+21	1,417800E+21	1,417797E+21	2,812816E+21	5,622819E+21
2319	9,321409E+21	1,291734E+22	1,522060E+22	1,522095E+22	1,291788E+22	9,321802E+21	5,623044E+21	2,812889E+21	1,417752E+21	1,417666E+21	2,812619E+21	5,622630E+21
2320	9,321428E+21	1,291785E+22	1,522147E+22	1,522158E+22	1,291812E+22	9,321640E+21	5,622638E+21	2,812520E+21	1,417559E+21	1,417657E+21	2,812817E+21	5,623007E+21
2321	9,321783E+21	1,291791E+22	1,522117E+22	1,522094E+22	1,291753E+22	9,321554E+21	5,622818E+21	2,812650E+21	1,417547E+21	1,417506E+21	2,812540E+21	5,622676E+21
2322	9,321435E+21	1,291751E+22	1,522098E+22	1,522133E+22	1,291812E+22	9,321940E+21	5,623009E+21	2,812719E+21	1,417579E+21	1,417533E+21	2,812547E+21	5,622712E+21
2323	9,321742E+21	1,291822E+22	1,522170E+22	1,522159E+22	1,291780E+22	9,321351E+21	5,622560E+21	2,812513E+21	1,417541E+21	1,417627E+21	2,812776E+21	5,622960E+21
2324	9,321715E+21	1,291775E+22	1,522080E+22	1,522066E+22	1,291750E+22	9,321564E+21	5,622930E+21	2,812864E+21	1,417758E+21	1,417680E+21	2,812641E+21	5,622612E+21
2325	9,321225E+21	1,291739E+22	1,522099E+22	1,522119E+22	1,291791E+22	9,321797E+21	5,622975E+21	2,812865E+21	1,417864E+21	1,417900E+21	2,812960E+21	5,623014E+21
2326	9,321664E+21	1,291766E+22	1,522093E+22	1,522081E+22	1,291720E+22	9,321185E+21	5,622761E+21	2,812909E+21	1,417988E+21	1,418055E+21	2,813123E+21	5,623082E+21
2327	9,321471E+21	1,291701E+22	1,521974E+22	1,521989E+22	1,291718E+22	9,321606E+21	5,623248E+21	2,813323E+21	1,418261E+21	1,418193E+21	2,813092E+21	5,622869E+21
2328	9,321249E+21	1,291711E+22	1,522023E+22	1,522024E+22	1,291724E+22	9,321469E+21	5,623025E+21	2,813226E+21	1,418351E+21	1,418443E+21	2,813481E+21	5,623298E+21

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°
2329	9,321545E+21	1,291709E+22	1,521983E+22	1,521944E+22	1,291634E+22	9,321058E+21	5,623122E+21	2,813475E+21	1,418541E+21	1,418534E+21	2,813451E+21	5,623089E+21
2330	9,321060E+21	1,291628E+22	1,521907E+22	1,521939E+22	1,291683E+22	9,321513E+21	5,623455E+21	2,813726E+21	1,418720E+21	1,418652E+21	2,813485E+21	5,623044E+21
2331	9,321110E+21	1,291666E+22	1,521963E+22	1,521970E+22	1,291671E+22	9,321084E+21	5,623015E+21	2,813491E+21	1,418689E+21	1,418788E+21	2,813814E+21	5,623489E+21
2332	9,321341E+21	1,291635E+22	1,521874E+22	1,521861E+22	1,291614E+22	9,321175E+21	5,623340E+21	2,813747E+21	1,418789E+21	1,418729E+21	2,813587E+21	5,623138E+21
2333	9,320980E+21	1,291613E+22	1,521896E+22	1,521923E+22	1,291671E+22	9,321520E+21	5,623445E+21	2,813690E+21	1,418733E+21	1,418717E+21	2,813621E+21	5,623295E+21
2334	9,321450E+21	1,291691E+22	1,521966E+22	1,521948E+22	1,291637E+22	9,320909E+21	5,622995E+21	2,813444E+21	1,418586E+21	1,418640E+21	2,813621E+21	5,623320E+21
2335	9,321390E+21	1,291669E+22	1,521914E+22	1,521903E+22	1,291651E+22	9,321320E+21	5,623301E+21	2,813577E+21	1,418545E+21	1,418443E+21	2,813267E+21	5,622876E+21
2336	9,321037E+21	1,291681E+22	1,522007E+22	1,522018E+22	1,291720E+22	9,321468E+21	5,623058E+21	2,813250E+21	1,418341E+21	1,418383E+21	2,813374E+21	5,623179E+21
2337	9,321460E+21	1,291713E+22	1,522019E+22	1,522008E+22	1,291679E+22	9,321101E+21	5,622908E+21	2,813142E+21	1,418195E+21	1,418206E+21	2,813189E+21	5,623010E+21
2338	9,321235E+21	1,291669E+22	1,521962E+22	1,522005E+22	1,291739E+22	9,321692E+21	5,623243E+21	2,813250E+21	1,418152E+21	1,418061E+21	2,812955E+21	5,622787E+21
2339	9,321265E+21	1,291728E+22	1,522059E+22	1,522071E+22	1,291757E+22	9,321476E+21	5,622827E+21	2,812902E+21	1,417974E+21	1,418057E+21	2,813166E+21	5,623198E+21
2340	9,321655E+21	1,291737E+22	1,522023E+22	1,521990E+22	1,291684E+22	9,321313E+21	5,622977E+21	2,813047E+21	1,418008E+21	1,417963E+21	2,812929E+21	5,622839E+21
2341	9,321270E+21	1,291703E+22	1,522023E+22	1,522041E+22	1,291738E+22	9,321675E+21	5,623204E+21	2,813147E+21	1,418070E+21	1,418024E+21	2,812965E+21	5,622863E+21
2342	9,321465E+21	1,291754E+22	1,522081E+22	1,522076E+22	1,291723E+22	9,321105E+21	5,622714E+21	2,812948E+21	1,418061E+21	1,418150E+21	2,813227E+21	5,623142E+21
2343	9,321504E+21	1,291716E+22	1,521986E+22	1,521968E+22	1,291688E+22	9,321332E+21	5,623052E+21	2,813251E+21	1,418253E+21	1,418201E+21	2,813115E+21	5,622865E+21
2344	9,321079E+21	1,291677E+22	1,521999E+22	1,522018E+22	1,291728E+22	9,321595E+21	5,623139E+21	2,813274E+21	1,418357E+21	1,418405E+21	2,813401E+21	5,623220E+21
2345	9,321486E+21	1,291701E+22	1,521987E+22	1,521972E+22	1,291653E+22	9,320986E+21	5,622977E+21	2,813360E+21	1,418497E+21	1,418561E+21	2,813555E+21	5,623273E+21
2346	9,321291E+21	1,291641E+22	1,521883E+22	1,521892E+22	1,291650E+22	9,321373E+21	5,623466E+21	2,813794E+21	1,418783E+21	1,418693E+21	2,813487E+21	5,622970E+21
2347	9,320922E+21	1,291640E+22	1,521935E+22	1,521941E+22	1,291666E+22	9,321253E+21	5,623228E+21	2,813692E+21	1,418871E+21	1,418946E+21	2,813908E+21	5,623458E+21
2348	9,321218E+21	1,291626E+22	1,521870E+22	1,521841E+22	1,291572E+22	9,320854E+21	5,623299E+21	2,813922E+21	1,419071E+21	1,419067E+21	2,813920E+21	5,623297E+21
2349	9,320815E+21	1,291555E+22	1,521800E+22	1,521830E+22	1,291613E+22	9,321350E+21	5,623690E+21	2,814169E+21	1,419231E+21	1,419167E+21	2,813941E+21	5,623271E+21
2350	9,320915E+21	1,291594E+22	1,521856E+22	1,521868E+22	1,291608E+22	9,320903E+21	5,623226E+21	2,813925E+21	1,419179E+21	1,419272E+21	2,814225E+21	5,623686E+21
2351	9,321266E+21	1,291595E+22	1,521791E+22	1,521762E+22	1,291544E+22	9,320896E+21	5,623447E+21	2,814103E+21	1,419223E+21	1,419168E+21	2,813963E+21	5,623314E+21
2352	9,320874E+21	1,291573E+22	1,521828E+22	1,521845E+22	1,291612E+22	9,321261E+21	5,623540E+21	2,814030E+21	1,419143E+21	1,419125E+21	2,813951E+21	5,623390E+21
2353	9,321212E+21	1,291637E+22	1,521893E+22	1,521877E+22	1,291590E+22	9,320722E+21	5,623125E+21	2,813784E+21	1,418984E+21	1,419040E+21	2,813962E+21	5,623439E+21
2354	9,321139E+21	1,291607E+22	1,521840E+22	1,521840E+22	1,291612E+22	9,321166E+21	5,623432E+21	2,813914E+21	1,418941E+21	1,418834E+21	2,813597E+21	5,622992E+21
2355	9,320763E+21	1,291611E+22	1,521920E+22	1,521947E+22	1,291683E+22	9,321403E+21	5,623233E+21	2,813589E+21	1,418728E+21	1,418771E+21	2,813730E+21	5,623379E+21
2356	9,321296E+21	1,291647E+22	1,521913E+22	1,521904E+22	1,291620E+22	9,320972E+21	5,623094E+21	2,813505E+21	1,418609E+21	1,418625E+21	2,813561E+21	5,623213E+21
2357	9,321159E+21	1,291625E+22	1,521879E+22	1,521900E+22	1,291663E+22	9,321480E+21	5,623452E+21	2,813650E+21	1,418594E+21	1,418495E+21	2,813316E+21	5,622936E+21
2358	9,321107E+21	1,291676E+22	1,521980E+22	1,521983E+22	1,291690E+22	9,321209E+21	5,622983E+21	2,813314E+21	1,418445E+21	1,418515E+21	2,813531E+21	5,623305E+21
2359	9,321472E+21	1,291693E+22	1,521952E+22	1,521907E+22	1,291618E+22	9,320981E+21	5,623043E+21	2,813405E+21	1,418465E+21	1,418436E+21	2,813340E+21	5,623005E+21
2360	9,321037E+21	1,291643E+22	1,521944E+22	1,521966E+22	1,291686E+22	9,321421E+21	5,623280E+21	2,813510E+21	1,418532E+21	1,418500E+21	2,813382E+21	5,623036E+21
2361	9,321200E+21	1,291679E+22	1,521978E+22	1,521982E+22	1,291672E+22	9,320975E+21	5,622897E+21	2,813344E+21	1,418533E+21	1,418636E+21	2,813665E+21	5,623368E+21
2362	9,321331E+21	1,291647E+22	1,521887E+22	1,521874E+22	1,291630E+22	9,321186E+21	5,623282E+21	2,813691E+21	1,418742E+21	1,418681E+21	2,813517E+21	5,623035E+21
2363	9,320876E+21	1,291612E+22	1,521903E+22	1,521924E+22	1,291670E+22	9,321452E+21	5,623380E+21	2,813740E+21	1,418862E+21	1,418893E+21	2,813810E+21	5,623385E+21
2364	9,321246E+21	1,291632E+22	1,521880E+22	1,521859E+22	1,291581E+22	9,320788E+21	5,623209E+21	2,813850E+21	1,419047E+21	1,419100E+21	2,814003E+21	5,623433E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,321031E+21	1,291575E+22	1,521790E+22	1,521788E+22	1,291573E+22	9,321140E+21	5,623709E+21	2,814296E+21	1,419347E+21	1,419250E+21	2,813960E+21	5,623148E+21
2366	9,320605E+21	1,291556E+22	1,521825E+22	1,521843E+22	1,291604E+22	9,321018E+21	5,623411E+21	2,814171E+21	1,419435E+21	1,419507E+21	2,814390E+21	5,623672E+21
2367	9,321027E+21	1,291559E+22	1,521761E+22	1,521729E+22	1,291501E+22	9,320598E+21	5,623422E+21	2,814317E+21	1,419573E+21	1,419594E+21	2,814410E+21	5,623590E+21
2368	9,320739E+21	1,291499E+22	1,521704E+22	1,521728E+22	1,291542E+22	9,321071E+21	5,623801E+21	2,814543E+21	1,419689E+21	1,419636E+21	2,814355E+21	5,623487E+21
2369	9,320813E+21	1,291544E+22	1,521765E+22	1,521766E+22	1,291540E+22	9,320667E+21	5,623377E+21	2,814303E+21	1,419620E+21	1,419712E+21	2,814597E+21	5,623848E+21
2370	9,321128E+21	1,291549E+22	1,521726E+22	1,521690E+22	1,291488E+22	9,320670E+21	5,623588E+21	2,814469E+21	1,419643E+21	1,419575E+21	2,814276E+21	5,623376E+21
2371	9,320602E+21	1,291517E+22	1,521762E+22	1,521788E+22	1,291573E+22	9,321112E+21	5,623681E+21	2,814383E+21	1,419546E+21	1,419518E+21	2,814279E+21	5,623482E+21
2372	9,320892E+21	1,291563E+22	1,521798E+22	1,521796E+22	1,291547E+22	9,320631E+21	5,623288E+21	2,814144E+21	1,419406E+21	1,419461E+21	2,814323E+21	5,623582E+21
2373	9,320902E+21	1,291542E+22	1,521749E+22	1,521748E+22	1,291555E+22	9,321088E+21	5,623661E+21	2,814291E+21	1,419361E+21	1,419254E+21	2,813963E+21	5,623162E+21
2374	9,320572E+21	1,291543E+22	1,521820E+22	1,521853E+22	1,291625E+22	9,321259E+21	5,623437E+21	2,813982E+21	1,419158E+21	1,419190E+21	2,814073E+21	5,623524E+21
2375	9,321210E+21	1,291607E+22	1,521831E+22	1,521805E+22	1,291549E+22	9,320704E+21	5,623199E+21	2,813844E+21	1,419020E+21	1,419044E+21	2,813928E+21	5,623391E+21
2376	9,321065E+21	1,291586E+22	1,521813E+22	1,521819E+22	1,291596E+22	9,321159E+21	5,623517E+21	2,813988E+21	1,419010E+21	1,418914E+21	2,813672E+21	5,623066E+21
2377	9,320902E+21	1,291623E+22	1,521905E+22	1,521906E+22	1,291634E+22	9,320964E+21	5,623095E+21	2,813676E+21	1,418882E+21	1,418961E+21	2,813924E+21	5,623477E+21
2378	9,321262E+21	1,291630E+22	1,521875E+22	1,521841E+22	1,291573E+22	9,320791E+21	5,623160E+21	2,813769E+21	1,418913E+21	1,418889E+21	2,813733E+21	5,623177E+21
2379	9,320818E+21	1,291574E+22	1,521851E+22	1,521887E+22	1,291643E+22	9,321342E+21	5,623473E+21	2,813900E+21	1,418987E+21	1,418961E+21	2,813797E+21	5,623251E+21
2380	9,321020E+21	1,291609E+22	1,521866E+22	1,521871E+22	1,291608E+22	9,320865E+21	5,623144E+21	2,813799E+21	1,419041E+21	1,419138E+21	2,814092E+21	5,623565E+21
2381	9,321181E+21	1,291591E+22	1,521793E+22	1,521761E+22	1,291549E+22	9,320999E+21	5,623559E+21	2,814197E+21	1,419293E+21	1,419215E+21	2,813949E+21	5,623179E+21
2382	9,320608E+21	1,291540E+22	1,521802E+22	1,521823E+22	1,291600E+22	9,321227E+21	5,623615E+21	2,814255E+21	1,419439E+21	1,419450E+21	2,814249E+21	5,623499E+21
2383	9,320969E+21	1,291567E+22	1,521781E+22	1,521756E+22	1,291506E+22	9,320473E+21	5,623331E+21	2,814290E+21	1,419594E+21	1,419663E+21	2,814500E+21	5,623646E+21
2384	9,320770E+21	1,291499E+22	1,521685E+22	1,521688E+22	1,291505E+22	9,320844E+21	5,623808E+21	2,814708E+21	1,419866E+21	1,419783E+21	2,814439E+21	5,623383E+21
2385	9,320391E+21	1,291478E+22	1,521707E+22	1,521731E+22	1,291536E+22	9,320825E+21	5,623587E+21	2,814579E+21	1,419922E+21	1,420009E+21	2,814847E+21	5,623935E+21
2386	9,320919E+21	1,291497E+22	1,521665E+22	1,521635E+22	1,291435E+22	9,320366E+21	5,623587E+21	2,814715E+21	1,420031E+21	1,420046E+21	2,814790E+21	5,623766E+21
2387	9,320616E+21	1,291449E+22	1,521624E+22	1,521645E+22	1,291487E+22	9,320895E+21	5,623969E+21	2,814929E+21	1,420124E+21	1,420060E+21	2,814709E+21	5,623617E+21
2388	9,320609E+21	1,291489E+22	1,521682E+22	1,521677E+22	1,291480E+22	9,320510E+21	5,623571E+21	2,814711E+21	1,420076E+21	1,420154E+21	2,814953E+21	5,623948E+21
2389	9,320873E+21	1,291494E+22	1,521655E+22	1,521614E+22	1,291431E+22	9,320521E+21	5,623791E+21	2,814879E+21	1,420104E+21	1,420024E+21	2,814644E+21	5,623481E+21
2390	9,320287E+21	1,291441E+22	1,521668E+22	1,521713E+22	1,291531E+22	9,321009E+21	5,623860E+21	2,814776E+21	1,420001E+21	1,419966E+21	2,814645E+21	5,623611E+21
2391	9,320701E+21	1,291503E+22	1,521700E+22	1,521700E+22	1,291488E+22	9,320459E+21	5,623415E+21	2,814472E+21	1,419814E+21	1,419890E+21	2,814719E+21	5,623806E+21
2392	9,320817E+21	1,291491E+22	1,521663E+22	1,521656E+22	1,291488E+22	9,320822E+21	5,623764E+21	2,814621E+21	1,419754E+21	1,419651E+21	2,814314E+21	5,623343E+21
2393	9,320480E+21	1,291498E+22	1,521737E+22	1,521759E+22	1,291557E+22	9,321012E+21	5,623564E+21	2,814328E+21	1,419560E+21	1,419593E+21	2,814420E+21	5,623675E+21
2394	9,321070E+21	1,291561E+22	1,521770E+22	1,521740E+22	1,291491E+22	9,320438E+21	5,623297E+21	2,814183E+21	1,419427E+21	1,419448E+21	2,814261E+21	5,623491E+21
2395	9,320837E+21	1,291533E+22	1,521746E+22	1,521762E+22	1,291556E+22	9,320981E+21	5,623618E+21	2,814324E+21	1,419423E+21	1,419334E+21	2,814044E+21	5,623206E+21
2396	9,320627E+21	1,291552E+22	1,521806E+22	1,521819E+22	1,291586E+22	9,320875E+21	5,623277E+21	2,814065E+21	1,419343E+21	1,419425E+21	2,814330E+21	5,623663E+21
2397	9,321065E+21	1,291565E+22	1,521779E+22	1,521745E+22	1,291513E+22	9,320721E+21	5,623418E+21	2,814204E+21	1,419402E+21	1,419376E+21	2,814149E+21	5,623363E+21
2398	9,320625E+21	1,291503E+22	1,521743E+22	1,521786E+22	1,291582E+22	9,321208E+21	5,623725E+21	2,814374E+21	1,419509E+21	1,419464E+21	2,814194E+21	5,623387E+21
2399	9,320858E+21	1,291555E+22	1,521766E+22	1,521759E+22	1,291530E+22	9,320615E+21	5,623322E+21	2,814240E+21	1,419561E+21	1,419662E+21	2,814540E+21	5,623750E+21
2400	9,320984E+21	1,291532E+22	1,521705E+22	1,521665E+22	1,291472E+22	9,320664E+21	5,623696E+21	2,814638E+21	1,419815E+21	1,419740E+21	2,814401E+21	5,623350E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,320338E+21	1,291467E+22	1,521697E+22	1,521721E+22	1,291528E+22	9,320947E+21	5,623766E+21	2,814697E+21	1,419969E+21	1,419992E+21	2,814735E+21	5,623722E+21
2402	9,320718E+21	1,291489E+22	1,521680E+22	1,521665E+22	1,291444E+22	9,320236E+21	5,623470E+21	2,814703E+21	1,420103E+21	1,420184E+21	2,814967E+21	5,623884E+21
2403	9,320603E+21	1,291431E+22	1,521581E+22	1,521590E+22	1,291445E+22	9,320671E+21	5,623970E+21	2,815103E+21	1,420342E+21	1,420272E+21	2,814886E+21	5,623624E+21
2404	9,320261E+21	1,291416E+22	1,521599E+22	1,521617E+22	1,291462E+22	9,320639E+21	5,623807E+21	2,815025E+21	1,420422E+21	1,420497E+21	2,815257E+21	5,624121E+21
2405	9,320798E+21	1,291450E+22	1,521585E+22	1,521538E+22	1,291363E+22	9,320173E+21	5,623814E+21	2,815170E+21	1,420536E+21	1,420531E+21	2,815167E+21	5,623864E+21
2406	9,320347E+21	1,291387E+22	1,521542E+22	1,521568E+22	1,291432E+22	9,320714E+21	5,624169E+21	2,815375E+21	1,420626E+21	1,420538E+21	2,815067E+21	5,623670E+21
2407	9,320314E+21	1,291429E+22	1,521597E+22	1,521595E+22	1,291424E+22	9,320311E+21	5,623702E+21	2,815085E+21	1,420536E+21	1,420623E+21	2,815361E+21	5,624098E+21
2408	9,320598E+21	1,291424E+22	1,521563E+22	1,521534E+22	1,291379E+22	9,320327E+21	5,623910E+21	2,815223E+21	1,420525E+21	1,420456E+21	2,815034E+21	5,623665E+21
2409	9,320082E+21	1,291371E+22	1,521561E+22	1,521614E+22	1,291473E+22	9,320870E+21	5,624033E+21	2,815121E+21	1,420401E+21	1,420377E+21	2,815022E+21	5,623817E+21
2410	9,320578E+21	1,291448E+22	1,521615E+22	1,521618E+22	1,291429E+22	9,320247E+21	5,623547E+21	2,814801E+21	1,420194E+21	1,420268E+21	2,815044E+21	5,623961E+21
2411	9,320724E+21	1,291451E+22	1,521592E+22	1,521581E+22	1,291434E+22	9,320622E+21	5,623875E+21	2,814935E+21	1,420125E+21	1,420024E+21	2,814640E+21	5,623475E+21
2412	9,320314E+21	1,291451E+22	1,521663E+22	1,521678E+22	1,291496E+22	9,320813E+21	5,623722E+21	2,814695E+21	1,419979E+21	1,420004E+21	2,814767E+21	5,623807E+21
2413	9,320877E+21	1,291512E+22	1,521702E+22	1,521669E+22	1,291439E+22	9,320270E+21	5,623460E+21	2,814568E+21	1,419877E+21	1,419894E+21	2,814638E+21	5,623631E+21
2414	9,320584E+21	1,291464E+22	1,521654E+22	1,521687E+22	1,291515E+22	9,320893E+21	5,623803E+21	2,814717E+21	1,419890E+21	1,419799E+21	2,814429E+21	5,623367E+21
2415	9,320481E+21	1,291495E+22	1,521707E+22	1,521718E+22	1,291523E+22	9,320716E+21	5,623444E+21	2,814437E+21	1,419799E+21	1,419899E+21	2,814755E+21	5,623882E+21
2416	9,320952E+21	1,291512E+22	1,521686E+22	1,521646E+22	1,291440E+22	9,320441E+21	5,623574E+21	2,814612E+21	1,419875E+21	1,419848E+21	2,814552E+21	5,623535E+21
2417	9,320457E+21	1,291447E+22	1,521645E+22	1,521681E+22	1,291508E+22	9,320962E+21	5,623912E+21	2,814810E+21	1,420010E+21	1,419964E+21	2,814614E+21	5,623530E+21
2418	9,320586E+21	1,291489E+22	1,521682E+22	1,521678E+22	1,291463E+22	9,320320E+21	5,623467E+21	2,814668E+21	1,420069E+21	1,420168E+21	2,814962E+21	5,623881E+21
2419	9,320678E+21	1,291460E+22	1,521610E+22	1,521583E+22	1,291417E+22	9,320441E+21	5,623835E+21	2,815050E+21	1,420318E+21	1,420254E+21	2,814864E+21	5,623539E+21
2420	9,320038E+21	1,291385E+22	1,521578E+22	1,521610E+22	1,291461E+22	9,320789E+21	5,623986E+21	2,815153E+21	1,420500E+21	1,420524E+21	2,815207E+21	5,623957E+21
2421	9,320533E+21	1,291420E+22	1,521570E+22	1,521552E+22	1,291373E+22	9,320090E+21	5,623724E+21	2,815178E+21	1,420638E+21	1,420712E+21	2,815416E+21	5,624091E+21
2422	9,320427E+21	1,291366E+22	1,521474E+22	1,521487E+22	1,291381E+22	9,320503E+21	5,624201E+21	2,815575E+21	1,420874E+21	1,420784E+21	2,815286E+21	5,623771E+21
2423	9,320127E+21	1,291368E+22	1,521508E+22	1,521512E+22	1,291387E+22	9,320387E+21	5,623977E+21	2,815453E+21	1,420928E+21	1,421004E+21	2,815683E+21	5,624283E+21
2424	9,320590E+21	1,291396E+22	1,521508E+22	1,521460E+22	1,291298E+22	9,319874E+21	5,623952E+21	2,815583E+21	1,421019E+21	1,421013E+21	2,815577E+21	5,624005E+21
2425	9,320067E+21	1,291319E+22	1,521447E+22	1,521484E+22	1,291379E+22	9,320517E+21	5,624318E+21	2,815764E+21	1,421092E+21	1,421014E+21	2,815491E+21	5,623848E+21
2426	9,320029E+21	1,291354E+22	1,521505E+22	1,521519E+22	1,291376E+22	9,320156E+21	5,623841E+21	2,815429E+21	1,420956E+21	1,421056E+21	2,815750E+21	5,624295E+21
2427	9,320441E+21	1,291363E+22	1,521469E+22	1,521448E+22	1,291328E+22	9,320191E+21	5,624060E+21	2,815542E+21	1,420904E+21	1,420852E+21	2,815405E+21	5,623868E+21
2428	9,319977E+21	1,291320E+22	1,521464E+22	1,521507E+22	1,291402E+22	9,320679E+21	5,624227E+21	2,815495E+21	1,420812E+21	1,420777E+21	2,815362E+21	5,623982E+21
2429	9,320488E+21	1,291411E+22	1,521545E+22	1,521531E+22	1,291365E+22	9,320052E+21	5,623723E+21	2,815184E+21	1,420622E+21	1,420680E+21	2,815371E+21	5,624058E+21
2430	9,320513E+21	1,291401E+22	1,521523E+22	1,521515E+22	1,291387E+22	9,320418E+21	5,624005E+21	2,815302E+21	1,420560E+21	1,420446E+21	2,814965E+21	5,623556E+21
2431	9,320103E+21	1,291400E+22	1,521584E+22	1,521600E+22	1,291442E+22	9,320588E+21	5,623819E+21	2,815030E+21	1,420406E+21	1,420445E+21	2,815159E+21	5,623979E+21
2432	9,320665E+21	1,291452E+22	1,521618E+22	1,521595E+22	1,291389E+22	9,320070E+21	5,623583E+21	2,814906E+21	1,420291E+21	1,420321E+21	2,815019E+21	5,623815E+21
2433	9,320402E+21	1,291400E+22	1,521552E+22	1,521590E+22	1,291455E+22	9,320740E+21	5,623993E+21	2,815093E+21	1,420322E+21	1,420240E+21	2,814818E+21	5,623541E+21
2434	9,320281E+21	1,291436E+22	1,521621E+22	1,521633E+22	1,291461E+22	9,320516E+21	5,623626E+21	2,814827E+21	1,420243E+21	1,420336E+21	2,815114E+21	5,624009E+21
2435	9,320756E+21	1,291460E+22	1,521604E+22	1,521561E+22	1,291382E+22	9,320240E+21	5,623744E+21	2,815007E+21	1,420334E+21	1,420312E+21	2,814951E+21	5,623662E+21
2436	9,320178E+21	1,291381E+22	1,521547E+22	1,521579E+22	1,291437E+22	9,320737E+21	5,624129E+21	2,815277E+21	1,420533E+21	1,420477E+21	2,815053E+21	5,623699E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,320309E+21	1,291418E+22	1,521583E+22	1,521583E+22	1,291402E+22	9,320136E+21	5,623671E+21	2,815143E+21	1,420622E+21	1,420716E+21	2,815435E+21	5,624083E+21
2438	9,320402E+21	1,291378E+22	1,521494E+22	1,521483E+22	1,291360E+22	9,320288E+21	5,624040E+21	2,815509E+21	1,420867E+21	1,420803E+21	2,815330E+21	5,623775E+21
2439	9,319922E+21	1,291323E+22	1,521464E+22	1,521488E+22	1,291380E+22	9,320530E+21	5,624170E+21	2,815593E+21	1,421027E+21	1,421065E+21	2,815693E+21	5,624227E+21
2440	9,320445E+21	1,291368E+22	1,521476E+22	1,521448E+22	1,291293E+22	9,319761E+21	5,623886E+21	2,815622E+21	1,421152E+21	1,421224E+21	2,815851E+21	5,624280E+21
2441	9,320259E+21	1,291312E+22	1,521383E+22	1,521388E+22	1,291310E+22	9,320247E+21	5,624378E+21	2,816012E+21	1,421386E+21	1,421298E+21	2,815716E+21	5,623910E+21
2442	9,319829E+21	1,291304E+22	1,521432E+22	1,521441E+22	1,291330E+22	9,320143E+21	5,624125E+21	2,815857E+21	1,421409E+21	1,421485E+21	2,816083E+21	5,624403E+21
2443	9,320287E+21	1,291326E+22	1,521417E+22	1,521386E+22	1,291257E+22	9,319735E+21	5,624098E+21	2,815945E+21	1,421462E+21	1,421470E+21	2,815988E+21	5,624166E+21
2444	9,319780E+21	1,291242E+22	1,521336E+22	1,521381E+22	1,291322E+22	9,320422E+21	5,624543E+21	2,816162E+21	1,421537E+21	1,421458E+21	2,815887E+21	5,624053E+21
2445	9,319864E+21	1,291291E+22	1,521405E+22	1,521418E+22	1,291316E+22	9,320029E+21	5,624064E+21	2,815833E+21	1,421396E+21	1,421481E+21	2,816106E+21	5,624455E+21
2446	9,320282E+21	1,291307E+22	1,521378E+22	1,521356E+22	1,291271E+22	9,320022E+21	5,624244E+21	2,815927E+21	1,421333E+21	1,421260E+21	2,815722E+21	5,623996E+21
2447	9,319893E+21	1,291284E+22	1,521392E+22	1,521415E+22	1,291330E+22	9,320386E+21	5,624339E+21	2,815838E+21	1,421223E+21	1,421192E+21	2,815719E+21	5,624130E+21
2448	9,320329E+21	1,291369E+22	1,521485E+22	1,521464E+22	1,291306E+22	9,319725E+21	5,623804E+21	2,815522E+21	1,421027E+21	1,421088E+21	2,815725E+21	5,624196E+21
2449	9,320294E+21	1,291345E+22	1,521445E+22	1,521443E+22	1,291341E+22	9,320230E+21	5,624106E+21	2,815627E+21	1,420969E+21	1,420873E+21	2,815348E+21	5,623727E+21
2450	9,319867E+21	1,291337E+22	1,521507E+22	1,521532E+22	1,291399E+22	9,320439E+21	5,623944E+21	2,815346E+21	1,420798E+21	1,420849E+21	2,815515E+21	5,624151E+21
2451	9,320516E+21	1,291397E+22	1,521531E+22	1,521514E+22	1,291343E+22	9,319941E+21	5,623747E+21	2,815240E+21	1,420684E+21	1,420725E+21	2,815378E+21	5,623967E+21
2452	9,320224E+21	1,291345E+22	1,521458E+22	1,521486E+22	1,291387E+22	9,320565E+21	5,624226E+21	2,815522E+21	1,420784E+21	1,420686E+21	2,815186E+21	5,623676E+21
2453	9,320059E+21	1,291379E+22	1,521536E+22	1,521539E+22	1,291398E+22	9,320333E+21	5,623850E+21	2,815290E+21	1,420754E+21	1,420828E+21	2,815503E+21	5,624099E+21
2454	9,320418E+21	1,291387E+22	1,521509E+22	1,521476E+22	1,291328E+22	9,320050E+21	5,623941E+21	2,815468E+21	1,420870E+21	1,420836E+21	2,815378E+21	5,623815E+21
2455	9,319925E+21	1,291310E+22	1,521439E+22	1,521470E+22	1,291365E+22	9,320469E+21	5,624279E+21	2,815709E+21	1,421067E+21	1,421030E+21	2,815558E+21	5,623965E+21
2456	9,320115E+21	1,291345E+22	1,521473E+22	1,521476E+22	1,291330E+22	9,319862E+21	5,623838E+21	2,815578E+21	1,421140E+21	1,421250E+21	2,815923E+21	5,624358E+21
2457	9,320273E+21	1,291311E+22	1,521381E+22	1,521367E+22	1,291286E+22	9,320045E+21	5,624224E+21	2,815943E+21	1,421382E+21	1,421331E+21	2,815801E+21	5,624015E+21
2458	9,319766E+21	1,291265E+22	1,521376E+22	1,521393E+22	1,291310E+22	9,320254E+21	5,624331E+21	2,816015E+21	1,421523E+21	1,421559E+21	2,816107E+21	5,624397E+21
2459	9,320275E+21	1,291317E+22	1,521396E+22	1,521364E+22	1,291236E+22	9,319549E+21	5,624055E+21	2,816029E+21	1,421633E+21	1,421710E+21	2,816265E+21	5,624407E+21
2460	9,319968E+21	1,291246E+22	1,521293E+22	1,521294E+22	1,291246E+22	9,320054E+21	5,624603E+21	2,816474E+21	1,421898E+21	1,421799E+21	2,816143E+21	5,624067E+21
2461	9,319526E+21	1,291229E+22	1,521334E+22	1,521354E+22	1,291282E+22	9,320043E+21	5,624349E+21	2,816309E+21	1,421921E+21	1,421984E+21	2,816499E+21	5,624559E+21
2462	9,320002E+21	1,291247E+22	1,521308E+22	1,521291E+22	1,291209E+22	9,319651E+21	5,624314E+21	2,816360E+21	1,421939E+21	1,421939E+21	2,816381E+21	5,624365E+21
2463	9,319678E+21	1,291184E+22	1,521229E+22	1,521262E+22	1,291243E+22	9,320165E+21	5,624707E+21	2,816547E+21	1,421983E+21	1,421909E+21	2,816289E+21	5,624277E+21
2464	9,319791E+21	1,291246E+22	1,521324E+22	1,521322E+22	1,291241E+22	9,319700E+21	5,624187E+21	2,816203E+21	1,421817E+21	1,421896E+21	2,816455E+21	5,624605E+21
2465	9,320139E+21	1,291262E+22	1,521306E+22	1,521274E+22	1,291207E+22	9,319734E+21	5,624338E+21	2,816267E+21	1,421747E+21	1,421679E+21	2,816077E+21	5,624109E+21
2466	9,319632E+21	1,291232E+22	1,521337E+22	1,521360E+22	1,291282E+22	9,320119E+21	5,624406E+21	2,816150E+21	1,421612E+21	1,421586E+21	2,816054E+21	5,624246E+21
2467	9,320093E+21	1,291312E+22	1,521413E+22	1,521405E+22	1,291275E+22	9,319614E+21	5,623907E+21	2,815808E+21	1,421395E+21	1,421474E+21	2,816069E+21	5,624327E+21
2468	9,320048E+21	1,291280E+22	1,521353E+22	1,521354E+22	1,291293E+22	9,320161E+21	5,624320E+21	2,815988E+21	1,421370E+21	1,421272E+21	2,815697E+21	5,623897E+21
2469	9,319700E+21	1,291277E+22	1,521413E+22	1,521442E+22	1,291351E+22	9,320369E+21	5,624181E+21	2,815754E+21	1,421233E+21	1,421263E+21	2,815841E+21	5,624255E+21
2470	9,320298E+21	1,291337E+22	1,521440E+22	1,521424E+22	1,291292E+22	9,319827E+21	5,623967E+21	2,815661E+21	1,421147E+21	1,421165E+21	2,815719E+21	5,624090E+21
2471	9,320061E+21	1,291293E+22	1,521371E+22	1,521381E+22	1,291310E+22	9,320283E+21	5,624394E+21	2,815943E+21	1,421273E+21	1,421177E+21	2,815615E+21	5,623863E+21
2472	9,319846E+21	1,291317E+22	1,521450E+22	1,521451E+22	1,291329E+22	9,319999E+21	5,623985E+21	2,815718E+21	1,421257E+21	1,421338E+21	2,815959E+21	5,624313E+21

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°
2473	9,320184E+21	1,291314E+22	1,521405E+22	1,521377E+22	1,291266E+22	9,319813E+21	5,624070E+21	2,815875E+21	1,421382E+21	1,421374E+21	2,815877E+21	5,624081E+21
2474	9,319726E+21	1,291242E+22	1,521344E+22	1,521373E+22	1,291298E+22	9,320211E+21	5,624410E+21	2,816098E+21	1,421552E+21	1,421535E+21	2,816018E+21	5,624231E+21
2475	9,320038E+21	1,291291E+22	1,521377E+22	1,521373E+22	1,291265E+22	9,319646E+21	5,624005E+21	2,815975E+21	1,421617E+21	1,421739E+21	2,816349E+21	5,624553E+21
2476	9,320125E+21	1,291258E+22	1,521289E+22	1,521259E+22	1,291211E+22	9,319823E+21	5,624454E+21	2,816414E+21	1,421902E+21	1,421836E+21	2,816213E+21	5,624167E+21
2477	9,319547E+21	1,291207E+22	1,521291E+22	1,521305E+22	1,291251E+22	9,320067E+21	5,624555E+21	2,816507E+21	1,422070E+21	1,422080E+21	2,816505E+21	5,624467E+21
2478	9,319892E+21	1,291239E+22	1,521300E+22	1,521282E+22	1,291191E+22	9,319428E+21	5,624282E+21	2,816508E+21	1,422176E+21	1,422233E+21	2,816680E+21	5,624541E+21
2479	9,319666E+21	1,291167E+22	1,521183E+22	1,521187E+22	1,291181E+22	9,319867E+21	5,624793E+21	2,816909E+21	1,422412E+21	1,422322E+21	2,816612E+21	5,624296E+21
2480	9,319296E+21	1,291152E+22	1,521223E+22	1,521247E+22	1,291212E+22	9,319807E+21	5,624539E+21	2,816729E+21	1,422398E+21	1,422464E+21	2,816925E+21	5,624775E+21
2481	9,319838E+21	1,291181E+22	1,521199E+22	1,521180E+22	1,291138E+22	9,319426E+21	5,624479E+21	2,816752E+21	1,422393E+21	1,422400E+21	2,816786E+21	5,624560E+21
2482	9,319527E+21	1,291136E+22	1,521156E+22	1,521175E+22	1,291174E+22	9,319858E+21	5,624798E+21	2,816888E+21	1,422394E+21	1,422319E+21	2,816637E+21	5,624430E+21
2483	9,319674E+21	1,291206E+22	1,521260E+22	1,521250E+22	1,291188E+22	9,319466E+21	5,624280E+21	2,816515E+21	1,422203E+21	1,422290E+21	2,816792E+21	5,624714E+21
2484	9,319914E+21	1,291209E+22	1,521237E+22	1,521203E+22	1,291157E+22	9,319546E+21	5,624477E+21	2,816619E+21	1,422154E+21	1,422085E+21	2,816428E+21	5,624259E+21
2485	9,319419E+21	1,291171E+22	1,521256E+22	1,521293E+22	1,291250E+22	9,320051E+21	5,624563E+21	2,816506E+21	1,422029E+21	1,421995E+21	2,816392E+21	5,624373E+21
2486	9,319865E+21	1,291246E+22	1,521321E+22	1,521326E+22	1,291239E+22	9,319604E+21	5,624119E+21	2,816172E+21	1,421805E+21	1,421874E+21	2,816400E+21	5,624494E+21
2487	9,319957E+21	1,291229E+22	1,521260E+22	1,521248E+22	1,291221E+22	9,319958E+21	5,624501E+21	2,816366E+21	1,421798E+21	1,421701E+21	2,816072E+21	5,624087E+21
2488	9,319588E+21	1,291228E+22	1,521333E+22	1,521349E+22	1,291279E+22	9,320082E+21	5,624342E+21	2,816156E+21	1,421682E+21	1,421706E+21	2,816206E+21	5,624381E+21
2489	9,320081E+21	1,291280E+22	1,521357E+22	1,521334E+22	1,291226E+22	9,319567E+21	5,624098E+21	2,816057E+21	1,421622E+21	1,421651E+21	2,816140E+21	5,624237E+21
2490	9,319772E+21	1,291229E+22	1,521295E+22	1,521304E+22	1,291248E+22	9,319979E+21	5,624477E+21	2,816313E+21	1,421738E+21	1,421657E+21	2,816044E+21	5,624066E+21
2491	9,319648E+21	1,291251E+22	1,521357E+22	1,521364E+22	1,291277E+22	9,319821E+21	5,624110E+21	2,816076E+21	1,421711E+21	1,421816E+21	2,816393E+21	5,624526E+21
2492	9,319995E+21	1,291245E+22	1,521300E+22	1,521269E+22	1,291197E+22	9,319633E+21	5,624284E+21	2,816306E+21	1,421870E+21	1,421864E+21	2,816309E+21	5,624310E+21
2493	9,319597E+21	1,291181E+22	1,521243E+22	1,521273E+22	1,291239E+22	9,320059E+21	5,624635E+21	2,816566E+21	1,422071E+21	1,422030E+21	2,816409E+21	5,624361E+21
2494	9,319817E+21	1,291231E+22	1,521285E+22	1,521279E+22	1,291209E+22	9,319523E+21	5,624248E+21	2,816454E+21	1,422150E+21	1,422244E+21	2,816740E+21	5,624679E+21
2495	9,319902E+21	1,291196E+22	1,521196E+22	1,521154E+22	1,291133E+22	9,319555E+21	5,624660E+21	2,816898E+21	1,422455E+21	1,422384E+21	2,816679E+21	5,624342E+21
2496	9,319262E+21	1,291132E+22	1,521194E+22	1,521215E+22	1,291187E+22	9,319805E+21	5,624744E+21	2,816985E+21	1,422617E+21	1,422624E+21	2,816971E+21	5,624646E+21
2497	9,319581E+21	1,291154E+22	1,521184E+22	1,521179E+22	1,291131E+22	9,319261E+21	5,624459E+21	2,816942E+21	1,422703E+21	1,422778E+21	2,817173E+21	5,624776E+21
2498	9,319425E+21	1,291093E+22	1,521081E+22	1,521082E+22	1,291109E+22	9,319620E+21	5,624938E+21	2,817293E+21	1,422877E+21	1,422802E+21	2,817049E+21	5,624551E+21
2499	9,319225E+21	1,291098E+22	1,521127E+22	1,521144E+22	1,291143E+22	9,319574E+21	5,624676E+21	2,817085E+21	1,422825E+21	1,422899E+21	2,817299E+21	5,624942E+21
2500	9,319704E+21	1,291132E+22	1,521116E+22	1,521082E+22	1,291066E+22	9,319173E+21	5,624639E+21	2,817139E+21	1,422830E+21	1,422827E+21	2,817140E+21	5,624699E+21
2501	9,319362E+21	1,291088E+22	1,521085E+22	1,521105E+22	1,291126E+22	9,319660E+21	5,624929E+21	2,817268E+21	1,422833E+21	1,422740E+21	2,816963E+21	5,624499E+21
2502	9,319393E+21	1,291146E+22	1,521184E+22	1,521188E+22	1,291155E+22	9,319390E+21	5,624442E+21	2,816880E+21	1,422627E+21	1,422700E+21	2,817125E+21	5,624845E+21
2503	9,319710E+21	1,291147E+22	1,521149E+22	1,521119E+22	1,291104E+22	9,319410E+21	5,624632E+21	2,816965E+21	1,422568E+21	1,422508E+21	2,816808E+21	5,624460E+21
2504	9,319275E+21	1,291111E+22	1,521166E+22	1,521207E+22	1,291192E+22	9,319884E+21	5,624745E+21	2,816866E+21	1,422431E+21	1,422396E+21	2,816734E+21	5,624525E+21
2505	9,319707E+21	1,291189E+22	1,521229E+22	1,521232E+22	1,291181E+22	9,319450E+21	5,624288E+21	2,816535E+21	1,422221E+21	1,422293E+21	2,816754E+21	5,624623E+21
2506	9,319763E+21	1,291183E+22	1,521194E+22	1,521167E+22	1,291154E+22	9,319688E+21	5,624610E+21	2,816708E+21	1,422205E+21	1,422112E+21	2,816425E+21	5,624232E+21
2507	9,319435E+21	1,291181E+22	1,521260E+22	1,521271E+22	1,291220E+22	9,319848E+21	5,624456E+21	2,816501E+21	1,422103E+21	1,422137E+21	2,816575E+21	5,624503E+21
2508	9,319822E+21	1,291216E+22	1,521271E+22	1,521251E+22	1,291169E+22	9,319365E+21	5,624254E+21	2,816456E+21	1,422089E+21	1,422121E+21	2,816560E+21	5,624445E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,319584E+21	1,291162E+22	1,521197E+22	1,521220E+22	1,291203E+22	9,319837E+21	5,624625E+21	2,816717E+21	1,422226E+21	1,422143E+21	2,816457E+21	5,624251E+21
2510	9,319459E+21	1,291184E+22	1,521252E+22	1,521265E+22	1,291222E+22	9,319727E+21	5,624340E+21	2,816512E+21	1,422206E+21	1,422298E+21	2,816799E+21	5,624742E+21
2511	9,319901E+21	1,291188E+22	1,521199E+22	1,521155E+22	1,291116E+22	9,319371E+21	5,624482E+21	2,816760E+21	1,422391E+21	1,422382E+21	2,816749E+21	5,624509E+21
2512	9,319440E+21	1,291124E+22	1,521155E+22	1,521174E+22	1,291161E+22	9,319763E+21	5,624829E+21	2,817043E+21	1,422612E+21	1,422562E+21	2,816836E+21	5,624476E+21
2513	9,319505E+21	1,291159E+22	1,521188E+22	1,521184E+22	1,291144E+22	9,319313E+21	5,624441E+21	2,816929E+21	1,422711E+21	1,422810E+21	2,817216E+21	5,624813E+21
2514	9,319522E+21	1,291118E+22	1,521104E+22	1,521066E+22	1,291069E+22	9,319309E+21	5,624803E+21	2,817327E+21	1,422981E+21	1,422924E+21	2,817161E+21	5,624564E+21
2515	9,319021E+21	1,291053E+22	1,521079E+22	1,521113E+22	1,291128E+22	9,319652E+21	5,624913E+21	2,817382E+21	1,423106E+21	1,423132E+21	2,817423E+21	5,624855E+21
2516	9,319364E+21	1,291078E+22	1,521067E+22	1,521063E+22	1,291058E+22	9,319079E+21	5,624683E+21	2,817377E+21	1,423188E+21	1,423262E+21	2,817604E+21	5,625014E+21
2517	9,319318E+21	1,291033E+22	1,520977E+22	1,520981E+22	1,291046E+22	9,319410E+21	5,625110E+21	2,817713E+21	1,423352E+21	1,423256E+21	2,817414E+21	5,624689E+21
2518	9,319062E+21	1,291048E+22	1,521044E+22	1,521054E+22	1,291083E+22	9,319414E+21	5,624872E+21	2,817493E+21	1,423280E+21	1,423331E+21	2,817646E+21	5,625082E+21
2519	9,319553E+21	1,291083E+22	1,521041E+22	1,520996E+22	1,290996E+22	9,318894E+21	5,624776E+21	2,817527E+21	1,423284E+21	1,423281E+21	2,817534E+21	5,624868E+21
2520	9,319173E+21	1,291033E+22	1,521011E+22	1,521038E+22	1,291074E+22	9,319437E+21	5,625055E+21	2,817632E+21	1,423270E+21	1,423181E+21	2,817341E+21	5,624649E+21
2521	9,319168E+21	1,291081E+22	1,521093E+22	1,521107E+22	1,291111E+22	9,319307E+21	5,624596E+21	2,817221E+21	1,423048E+21	1,423136E+21	2,817512E+21	5,625013E+21
2522	9,319521E+21	1,291093E+22	1,521070E+22	1,521036E+22	1,291045E+22	9,319224E+21	5,624759E+21	2,817278E+21	1,422945E+21	1,422896E+21	2,817156E+21	5,624649E+21
2523	9,319212E+21	1,291069E+22	1,521087E+22	1,521123E+22	1,291135E+22	9,319700E+21	5,624877E+21	2,817184E+21	1,422805E+21	1,422772E+21	2,817039E+21	5,624612E+21
2524	9,319505E+21	1,291139E+22	1,521154E+22	1,521149E+22	1,291116E+22	9,319225E+21	5,624451E+21	2,816910E+21	1,422640E+21	1,422702E+21	2,817089E+21	5,624727E+21
2525	9,319527E+21	1,291124E+22	1,521115E+22	1,521100E+22	1,291108E+22	9,319490E+21	5,624745E+21	2,817093E+21	1,422655E+21	1,422548E+21	2,816776E+21	5,624318E+21
2526	9,319134E+21	1,291114E+22	1,521171E+22	1,521196E+22	1,291178E+22	9,319757E+21	5,624637E+21	2,816892E+21	1,422560E+21	1,422585E+21	2,816961E+21	5,624685E+21
2527	9,319621E+21	1,291146E+22	1,521166E+22	1,521148E+22	1,291101E+22	9,319171E+21	5,624427E+21	2,816855E+21	1,422567E+21	1,422612E+21	2,817007E+21	5,624695E+21
2528	9,319467E+21	1,291100E+22	1,521096E+22	1,521119E+22	1,291132E+22	9,319610E+21	5,624817E+21	2,817139E+21	1,422713E+21	1,422631E+21	2,816874E+21	5,624440E+21
2529	9,319306E+21	1,291124E+22	1,521150E+22	1,521161E+22	1,291153E+22	9,319533E+21	5,624533E+21	2,816951E+21	1,422720E+21	1,422812E+21	2,817229E+21	5,624888E+21
2530	9,319669E+21	1,291135E+22	1,521121E+22	1,521065E+22	1,291041E+22	9,319078E+21	5,624628E+21	2,817181E+21	1,422895E+21	1,422892E+21	2,817187E+21	5,624684E+21
2531	9,319233E+21	1,291065E+22	1,521067E+22	1,521088E+22	1,291099E+22	9,319533E+21	5,624987E+21	2,817464E+21	1,423121E+21	1,423080E+21	2,817274E+21	5,624610E+21
2532	9,319164E+21	1,291079E+22	1,521083E+22	1,521089E+22	1,291083E+22	9,319137E+21	5,624648E+21	2,817388E+21	1,423244E+21	1,423347E+21	2,817693E+21	5,625037E+21
2533	9,319282E+21	1,291037E+22	1,520985E+22	1,520968E+22	1,291016E+22	9,319179E+21	5,625009E+21	2,817772E+21	1,423503E+21	1,423445E+21	2,817609E+21	5,624775E+21
2534	9,318842E+21	1,290984E+22	1,520964E+22	1,520999E+22	1,291062E+22	9,319529E+21	5,625163E+21	2,817833E+21	1,423604E+21	1,423615E+21	2,817839E+21	5,625086E+21
2535	9,319273E+21	1,291022E+22	1,520964E+22	1,520945E+22	1,290970E+22	9,318772E+21	5,624864E+21	2,817820E+21	1,423692E+21	1,423758E+21	2,818028E+21	5,625216E+21
2536	9,319206E+21	1,290987E+22	1,520898E+22	1,520891E+22	1,290970E+22	9,319081E+21	5,625248E+21	2,818128E+21	1,423839E+21	1,423737E+21	2,817803E+21	5,624807E+21
2537	9,318813E+21	1,290990E+22	1,520964E+22	1,520976E+22	1,291026E+22	9,319195E+21	5,625012E+21	2,817889E+21	1,423757E+21	1,423813E+21	2,818052E+21	5,625198E+21
2538	9,319247E+21	1,291024E+22	1,520970E+22	1,520930E+22	1,290947E+22	9,318686E+21	5,624872E+21	2,817855E+21	1,423701E+21	1,423714E+21	2,817924E+21	5,625054E+21
2539	9,318999E+21	1,290974E+22	1,520925E+22	1,520960E+22	1,291029E+22	9,319328E+21	5,625193E+21	2,817940E+21	1,423651E+21	1,423575E+21	2,817678E+21	5,624777E+21
2540	9,318953E+21	1,291020E+22	1,521001E+22	1,521019E+22	1,291056E+22	9,319205E+21	5,624809E+21	2,817582E+21	1,423439E+21	1,423519E+21	2,817836E+21	5,625154E+21
2541	9,319372E+21	1,291041E+22	1,520984E+22	1,520959E+22	1,290999E+22	9,319080E+21	5,624922E+21	2,817636E+21	1,423346E+21	1,423278E+21	2,817451E+21	5,624721E+21
2542	9,319001E+21	1,291019E+22	1,521007E+22	1,521041E+22	1,291082E+22	9,319574E+21	5,625075E+21	2,817563E+21	1,423220E+21	1,423166E+21	2,817364E+21	5,624733E+21
2543	9,319283E+21	1,291081E+22	1,521070E+22	1,521064E+22	1,291050E+22	9,318962E+21	5,624597E+21	2,817298E+21	1,423091E+21	1,423155E+21	2,817495E+21	5,624918E+21
2544	9,319333E+21	1,291063E+22	1,521029E+22	1,521020E+22	1,291050E+22	9,319244E+21	5,624862E+21	2,817463E+21	1,423115E+21	1,423023E+21	2,817199E+21	5,624521E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,318943E+21	1,291047E+22	1,521069E+22	1,521099E+22	1,291119E+22	9,319603E+21	5,624805E+21	2,817274E+21	1,423030E+21	1,423076E+21	2,817405E+21	5,624903E+21
2546	9,319481E+21	1,291096E+22	1,521080E+22	1,521051E+22	1,291029E+22	9,318906E+21	5,624555E+21	2,817217E+21	1,423012E+21	1,423073E+21	2,817423E+21	5,624927E+21
2547	9,319414E+21	1,291058E+22	1,521012E+22	1,521024E+22	1,291064E+22	9,319360E+21	5,624952E+21	2,817516E+21	1,423171E+21	1,423094E+21	2,817249E+21	5,624550E+21
2548	9,319064E+21	1,291067E+22	1,521067E+22	1,521071E+22	1,291086E+22	9,319312E+21	5,624738E+21	2,817398E+21	1,423226E+21	1,423311E+21	2,817639E+21	5,625011E+21
2549	9,319373E+21	1,291064E+22	1,521026E+22	1,520989E+22	1,290994E+22	9,318894E+21	5,624814E+21	2,817639E+21	1,423428E+21	1,423414E+21	2,817613E+21	5,624803E+21
2550	9,318885E+21	1,290984E+22	1,520956E+22	1,520994E+22	1,291049E+22	9,319461E+21	5,625240E+21	2,817933E+21	1,423652E+21	1,423600E+21	2,817730E+21	5,624828E+21
2551	9,318901E+21	1,290995E+22	1,520959E+22	1,520970E+22	1,291006E+22	9,318932E+21	5,624887E+21	2,817865E+21	1,423786E+21	1,423891E+21	2,818182E+21	5,625302E+21
2552	9,319138E+21	1,290969E+22	1,520872E+22	1,520853E+22	1,290936E+22	9,318915E+21	5,625221E+21	2,818234E+21	1,424030E+21	1,423968E+21	2,818055E+21	5,624977E+21
2553	9,318682E+21	1,290925E+22	1,520861E+22	1,520887E+22	1,290984E+22	9,319280E+21	5,625354E+21	2,818281E+21	1,424124E+21	1,424133E+21	2,818272E+21	5,625237E+21
2554	9,319068E+21	1,290976E+22	1,520891E+22	1,520854E+22	1,290895E+22	9,318444E+21	5,624978E+21	2,818209E+21	1,424165E+21	1,424237E+21	2,818445E+21	5,625402E+21
2555	9,319047E+21	1,290938E+22	1,520826E+22	1,520820E+22	1,290917E+22	9,318840E+21	5,625341E+21	2,818480E+21	1,424282E+21	1,424188E+21	2,818185E+21	5,624937E+21
2556	9,318541E+21	1,290924E+22	1,520879E+22	1,520903E+22	1,290981E+22	9,319055E+21	5,625172E+21	2,818258E+21	1,424196E+21	1,424256E+21	2,818444E+21	5,625384E+21
2557	9,319047E+21	1,290955E+22	1,520872E+22	1,520857E+22	1,290913E+22	9,318611E+21	5,625052E+21	2,818209E+21	1,424113E+21	1,424122E+21	2,818265E+21	5,625197E+21
2558	9,318830E+21	1,290919E+22	1,520833E+22	1,520870E+22	1,290980E+22	9,319269E+21	5,625425E+21	2,818307E+21	1,424042E+21	1,423947E+21	2,817992E+21	5,624922E+21
2559	9,318787E+21	1,290967E+22	1,520913E+22	1,520919E+22	1,290984E+22	9,318958E+21	5,624984E+21	2,817965E+21	1,423862E+21	1,423930E+21	2,818174E+21	5,625276E+21
2560	9,319186E+21	1,290992E+22	1,520910E+22	1,520878E+22	1,290934E+22	9,318810E+21	5,625063E+21	2,818006E+21	1,423779E+21	1,423708E+21	2,817803E+21	5,624820E+21
2561	9,318735E+21	1,290959E+22	1,520924E+22	1,520960E+22	1,291027E+22	9,319360E+21	5,625207E+21	2,817932E+21	1,423669E+21	1,423626E+21	2,817765E+21	5,624873E+21
2562	9,319026E+21	1,291023E+22	1,520989E+22	1,520982E+22	1,290994E+22	9,318722E+21	5,624681E+21	2,817617E+21	1,423505E+21	1,423593E+21	2,817910E+21	5,625167E+21
2563	9,319241E+21	1,291011E+22	1,520941E+22	1,520933E+22	1,290995E+22	9,319052E+21	5,624968E+21	2,817774E+21	1,423513E+21	1,423441E+21	2,817569E+21	5,624702E+21
2564	9,318800E+21	1,290993E+22	1,520980E+22	1,521006E+22	1,291056E+22	9,319404E+21	5,624991E+21	2,817657E+21	1,423463E+21	1,423505E+21	2,817773E+21	5,625072E+21
2565	9,319341E+21	1,291044E+22	1,520994E+22	1,520972E+22	1,290980E+22	9,318729E+21	5,624734E+21	2,817622E+21	1,423475E+21	1,423519E+21	2,817772E+21	5,625016E+21
2566	9,319168E+21	1,291005E+22	1,520931E+22	1,520939E+22	1,291008E+22	9,319231E+21	5,625198E+21	2,817966E+21	1,423663E+21	1,423568E+21	2,817643E+21	5,624682E+21
2567	9,318741E+21	1,290993E+22	1,520968E+22	1,520976E+22	1,291020E+22	9,319079E+21	5,624956E+21	2,817885E+21	1,423778E+21	1,423856E+21	2,818109E+21	5,625205E+21
2568	9,319093E+21	1,290985E+22	1,520917E+22	1,520890E+22	1,290933E+22	9,318702E+21	5,625023E+21	2,818110E+21	1,423988E+21	1,423982E+21	2,818112E+21	5,625032E+21
2569	9,318645E+21	1,290904E+22	1,520831E+22	1,520871E+22	1,290978E+22	9,319291E+21	5,625478E+21	2,818409E+21	1,424208E+21	1,424168E+21	2,818236E+21	5,625073E+21
2570	9,318740E+21	1,290935E+22	1,520855E+22	1,520852E+22	1,290921E+22	9,318606E+21	5,625043E+21	2,818294E+21	1,424296E+21	1,424411E+21	2,818650E+21	5,625568E+21
2571	9,319073E+21	1,290923E+22	1,520784E+22	1,520749E+22	1,290857E+22	9,318571E+21	5,625323E+21	2,818630E+21	1,424519E+21	1,424461E+21	2,818460E+21	5,625115E+21
2572	9,318451E+21	1,290868E+22	1,520780E+22	1,520800E+22	1,290916E+22	9,318994E+21	5,625513E+21	2,818706E+21	1,424620E+21	1,424626E+21	2,818688E+21	5,625385E+21
2573	9,318803E+21	1,290909E+22	1,520805E+22	1,520789E+22	1,290858E+22	9,318275E+21	5,625118E+21	2,818602E+21	1,424639E+21	1,424706E+21	2,818829E+21	5,625520E+21
2574	9,318752E+21	1,290870E+22	1,520732E+22	1,520738E+22	1,290878E+22	9,318805E+21	5,625559E+21	2,818865E+21	1,424721E+21	1,424623E+21	2,818568E+21	5,625123E+21
2575	9,318306E+21	1,290850E+22	1,520773E+22	1,520802E+22	1,290920E+22	9,318922E+21	5,625403E+21	2,818663E+21	1,424638E+21	1,424690E+21	2,818818E+21	5,625569E+21
2576	9,318906E+21	1,290897E+22	1,520777E+22	1,520761E+22	1,290851E+22	9,318432E+21	5,625249E+21	2,818593E+21	1,424541E+21	1,424541E+21	2,818608E+21	5,625321E+21
2577	9,318643E+21	1,290866E+22	1,520745E+22	1,520771E+22	1,290915E+22	9,319075E+21	5,625605E+21	2,818688E+21	1,424473E+21	1,424375E+21	2,818344E+21	5,625023E+21
2578	9,318569E+21	1,290922E+22	1,520847E+22	1,520838E+22	1,290917E+22	9,318646E+21	5,625070E+21	2,818293E+21	1,424261E+21	1,424339E+21	2,818542E+21	5,625451E+21
2579	9,319032E+21	1,290944E+22	1,520841E+22	1,520808E+22	1,290883E+22	9,318539E+21	5,625105E+21	2,818303E+21	1,424169E+21	1,424114E+21	2,818164E+21	5,624976E+21
2580	9,318526E+21	1,290900E+22	1,520843E+22	1,520883E+22	1,290977E+22	9,319174E+21	5,625328E+21	2,818262E+21	1,424074E+21	1,424046E+21	2,818154E+21	5,625098E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,318913E+21	1,290964E+22	1,520899E+22	1,520906E+22	1,290953E+22	9,318597E+21	5,624834E+21	2,817957E+21	1,423908E+21	1,423997E+21	2,818254E+21	5,625336E+21
2582	9,319138E+21	1,290967E+22	1,520860E+22	1,520844E+22	1,290941E+22	9,318937E+21	5,625182E+21	2,818156E+21	1,423930E+21	1,423843E+21	2,817908E+21	5,624858E+21
2583	9,318623E+21	1,290940E+22	1,520896E+22	1,520911E+22	1,290986E+22	9,319155E+21	5,625192E+21	2,818099E+21	1,423949E+21	1,423973E+21	2,818146E+21	5,625185E+21
2584	9,319087E+21	1,290984E+22	1,520912E+22	1,520889E+22	1,290920E+22	9,318511E+21	5,624936E+21	2,818077E+21	1,423999E+21	1,424037E+21	2,818191E+21	5,625117E+21
2585	9,318800E+21	1,290927E+22	1,520831E+22	1,520845E+22	1,290951E+22	9,319073E+21	5,625420E+21	2,818443E+21	1,424217E+21	1,424127E+21	2,818125E+21	5,624848E+21
2586	9,318410E+21	1,290914E+22	1,520859E+22	1,520870E+22	1,290952E+22	9,318854E+21	5,625128E+21	2,818318E+21	1,424303E+21	1,424399E+21	2,818609E+21	5,625486E+21
2587	9,318942E+21	1,290916E+22	1,520804E+22	1,520778E+22	1,290863E+22	9,318467E+21	5,625182E+21	2,818527E+21	1,424492E+21	1,424498E+21	2,818567E+21	5,625263E+21
2588	9,318492E+21	1,290840E+22	1,520725E+22	1,520756E+22	1,290898E+22	9,319003E+21	5,625658E+21	2,818854E+21	1,424718E+21	1,424677E+21	2,818680E+21	5,625297E+21
2589	9,318603E+21	1,290875E+22	1,520758E+22	1,520757E+22	1,290857E+22	9,318353E+21	5,625206E+21	2,818725E+21	1,424798E+21	1,424900E+21	2,819047E+21	5,625709E+21
2590	9,318863E+21	1,290869E+22	1,520705E+22	1,520664E+22	1,290798E+22	9,318387E+21	5,625523E+21	2,819056E+21	1,425001E+21	1,424935E+21	2,818867E+21	5,625281E+21
2591	9,318172E+21	1,290798E+22	1,520689E+22	1,520713E+22	1,290855E+22	9,318755E+21	5,625686E+21	2,819149E+21	1,425131E+21	1,425129E+21	2,819119E+21	5,625571E+21
2592	9,318570E+21	1,290839E+22	1,520707E+22	1,520700E+22	1,290809E+22	9,318169E+21	5,625322E+21	2,819013E+21	1,425127E+21	1,425197E+21	2,819250E+21	5,625698E+21
2593	9,318533E+21	1,290802E+22	1,520629E+22	1,520634E+22	1,290819E+22	9,318705E+21	5,625792E+21	2,819276E+21	1,425184E+21	1,425088E+21	2,818966E+21	5,625287E+21
2594	9,318146E+21	1,290800E+22	1,520686E+22	1,520700E+22	1,290847E+22	9,318654E+21	5,625542E+21	2,819023E+21	1,425054E+21	1,425105E+21	2,819174E+21	5,625740E+21
2595	9,318801E+21	1,290855E+22	1,520705E+22	1,520676E+22	1,290786E+22	9,318142E+21	5,625323E+21	2,818918E+21	1,424936E+21	1,424935E+21	2,818925E+21	5,625407E+21
2596	9,318404E+21	1,290814E+22	1,520675E+22	1,520696E+22	1,290855E+22	9,318798E+21	5,625708E+21	2,819031E+21	1,424878E+21	1,424783E+21	2,818701E+21	5,625165E+21
2597	9,318338E+21	1,290858E+22	1,520768E+22	1,520777E+22	1,290882E+22	9,318482E+21	5,625172E+21	2,818618E+21	1,424657E+21	1,424735E+21	2,818882E+21	5,625592E+21
2598	9,318827E+21	1,290886E+22	1,520761E+22	1,520734E+22	1,290842E+22	9,318475E+21	5,625277E+21	2,818630E+21	1,424548E+21	1,424498E+21	2,818518E+21	5,625178E+21
2599	9,318364E+21	1,290838E+22	1,520750E+22	1,520791E+22	1,290918E+22	9,318997E+21	5,625514E+21	2,818646E+21	1,424500E+21	1,424462E+21	2,818509E+21	5,625277E+21
2600	9,318808E+21	1,290915E+22	1,520815E+22	1,520815E+22	1,290896E+22	9,318448E+21	5,625032E+21	2,818353E+21	1,424358E+21	1,424436E+21	2,818602E+21	5,625444E+21
2601	9,318931E+21	1,290913E+22	1,520778E+22	1,520750E+22	1,290879E+22	9,318777E+21	5,625398E+21	2,818591E+21	1,424419E+21	1,424324E+21	2,818299E+21	5,624960E+21
2602	9,318360E+21	1,290884E+22	1,520817E+22	1,520825E+22	1,290920E+22	9,318880E+21	5,625339E+21	2,818516E+21	1,424440E+21	1,424468E+21	2,818579E+21	5,625369E+21
2603	9,318852E+21	1,290918E+22	1,520823E+22	1,520804E+22	1,290864E+22	9,318260E+21	5,625039E+21	2,818478E+21	1,424501E+21	1,424553E+21	2,818645E+21	5,625314E+21
2604	9,318530E+21	1,290847E+22	1,520721E+22	1,520740E+22	1,290886E+22	9,318877E+21	5,625603E+21	2,818872E+21	1,424731E+21	1,424660E+21	2,818620E+21	5,625135E+21
2605	9,318271E+21	1,290838E+22	1,520743E+22	1,520764E+22	1,290890E+22	9,318668E+21	5,625318E+21	2,818743E+21	1,424801E+21	1,424899E+21	2,819043E+21	5,625709E+21
2606	9,318830E+21	1,290861E+22	1,520705E+22	1,520665E+22	1,290787E+22	9,318243E+21	5,625386E+21	2,818966E+21	1,424985E+21	1,424984E+21	2,818986E+21	5,625464E+21
2607	9,318311E+21	1,290781E+22	1,520631E+22	1,520650E+22	1,290816E+22	9,318667E+21	5,625832E+21	2,819329E+21	1,425257E+21	1,425199E+21	2,819104E+21	5,625450E+21
2608	9,318379E+21	1,290815E+22	1,520673E+22	1,520668E+22	1,290795E+22	9,318130E+21	5,625392E+21	2,819185E+21	1,425341E+21	1,425436E+21	2,819482E+21	5,625830E+21
2609	9,318528E+21	1,290794E+22	1,520609E+22	1,520574E+22	1,290745E+22	9,318252E+21	5,625735E+21	2,819512E+21	1,425535E+21	1,425470E+21	2,819321E+21	5,625442E+21
2610	9,317898E+21	1,290727E+22	1,520589E+22	1,520617E+22	1,290795E+22	9,318570E+21	5,625856E+21	2,819547E+21	1,425605E+21	1,425612E+21	2,819549E+21	5,625794E+21
2611	9,318423E+21	1,290777E+22	1,520609E+22	1,520603E+22	1,290749E+22	9,317981E+21	5,625469E+21	2,819383E+21	1,425561E+21	1,425632E+21	2,819616E+21	5,625846E+21
2612	9,318344E+21	1,290743E+22	1,520538E+22	1,520536E+22	1,290752E+22	9,318492E+21	5,625959E+21	2,819652E+21	1,425608E+21	1,425508E+21	2,819327E+21	5,625445E+21
2613	9,317979E+21	1,290742E+22	1,520603E+22	1,520623E+22	1,290794E+22	9,318456E+21	5,625679E+21	2,819374E+21	1,425458E+21	1,425496E+21	2,819488E+21	5,625834E+21
2614	9,318589E+21	1,290805E+22	1,520637E+22	1,520605E+22	1,290736E+22	9,317972E+21	5,625471E+21	2,819263E+21	1,425327E+21	1,425323E+21	2,819273E+21	5,625563E+21
2615	9,318174E+21	1,290750E+22	1,520593E+22	1,520621E+22	1,290802E+22	9,318568E+21	5,625820E+21	2,819394E+21	1,425307E+21	1,425209E+21	2,819079E+21	5,625366E+21
2616	9,318206E+21	1,290800E+22	1,520679E+22	1,520694E+22	1,290835E+22	9,318393E+21	5,625344E+21	2,818970E+21	1,425082E+21	1,425167E+21	2,819258E+21	5,625777E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,318697E+21	1,290832E+22	1,520674E+22	1,520642E+22	1,290786E+22	9,318364E+21	5,625481E+21	2,819006E+21	1,424975E+21	1,424928E+21	2,818881E+21	5,625337E+21
2618	9,318272E+21	1,290799E+22	1,520675E+22	1,520699E+22	1,290847E+22	9,318723E+21	5,625635E+21	2,819004E+21	1,424921E+21	1,424882E+21	2,818858E+21	5,625423E+21
2619	9,318678E+21	1,290873E+22	1,520747E+22	1,520737E+22	1,290837E+22	9,318198E+21	5,625130E+21	2,818715E+21	1,424796E+21	1,424871E+21	2,818948E+21	5,625518E+21
2620	9,318634E+21	1,290850E+22	1,520699E+22	1,520672E+22	1,290821E+22	9,318546E+21	5,625539E+21	2,818988E+21	1,424892E+21	1,424807E+21	2,818721E+21	5,625123E+21
2621	9,318067E+21	1,290801E+22	1,520714E+22	1,520745E+22	1,290875E+22	9,318736E+21	5,625499E+21	2,818917E+21	1,424921E+21	1,424951E+21	2,818995E+21	5,625544E+21
2622	9,318604E+21	1,290844E+22	1,520717E+22	1,520704E+22	1,290807E+22	9,318168E+21	5,625267E+21	2,818894E+21	1,424973E+21	1,425032E+21	2,819088E+21	5,625560E+21
2623	9,318346E+21	1,290773E+22	1,520606E+22	1,520623E+22	1,290806E+22	9,318608E+21	5,625807E+21	2,819339E+21	1,425252E+21	1,425170E+21	2,819058E+21	5,625360E+21
2624	9,318164E+21	1,290781E+22	1,520640E+22	1,520649E+22	1,290813E+22	9,318452E+21	5,625533E+21	2,819212E+21	1,425339E+21	1,425425E+21	2,819468E+21	5,625855E+21
2625	9,318613E+21	1,290802E+22	1,520615E+22	1,520563E+22	1,290713E+22	9,318014E+21	5,625602E+21	2,819446E+21	1,425535E+21	1,425527E+21	2,819428E+21	5,625598E+21
2626	9,318070E+21	1,290723E+22	1,520547E+22	1,520559E+22	1,290745E+22	9,318347E+21	5,625955E+21	2,819764E+21	1,425786E+21	1,425732E+21	2,819566E+21	5,625648E+21
2627	9,318155E+21	1,290749E+22	1,520582E+22	1,520584E+22	1,290742E+22	9,317924E+21	5,625508E+21	2,819593E+21	1,425850E+21	1,425954E+21	2,819928E+21	5,626015E+21
2628	9,318270E+21	1,290718E+22	1,520504E+22	1,520478E+22	1,290686E+22	9,318111E+21	5,625930E+21	2,819923E+21	1,426022E+21	1,425972E+21	2,819779E+21	5,625692E+21
2629	9,317744E+21	1,290654E+22	1,520481E+22	1,520523E+22	1,290739E+22	9,318425E+21	5,626054E+21	2,819944E+21	1,426053E+21	1,426053E+21	2,819916E+21	5,625949E+21
2630	9,318269E+21	1,290726E+22	1,520524E+22	1,520509E+22	1,290684E+22	9,317810E+21	5,625664E+21	2,819770E+21	1,425983E+21	1,426045E+21	2,819967E+21	5,625980E+21
2631	9,318114E+21	1,290683E+22	1,520454E+22	1,520447E+22	1,290680E+22	9,318202E+21	5,626104E+21	2,820054E+21	1,426063E+21	1,425948E+21	2,819687E+21	5,625569E+21
2632	9,317766E+21	1,290686E+22	1,520521E+22	1,520541E+22	1,290740E+22	9,318293E+21	5,625833E+21	2,819752E+21	1,425909E+21	1,425945E+21	2,819860E+21	5,625952E+21
2633	9,318322E+21	1,290740E+22	1,520549E+22	1,520524E+22	1,290689E+22	9,317861E+21	5,625641E+21	2,819633E+21	1,425767E+21	1,425769E+21	2,819661E+21	5,625740E+21
2634	9,318038E+21	1,290698E+22	1,520507E+22	1,520535E+22	1,290744E+22	9,318364E+21	5,625926E+21	2,819714E+21	1,425704E+21	1,425619E+21	2,819454E+21	5,625596E+21
2635	9,318173E+21	1,290758E+22	1,520601E+22	1,520611E+22	1,290779E+22	9,318180E+21	5,625441E+21	2,819290E+21	1,425466E+21	1,425551E+21	2,819579E+21	5,625908E+21
2636	9,318556E+21	1,290786E+22	1,520599E+22	1,520559E+22	1,290724E+22	9,318156E+21	5,625621E+21	2,819350E+21	1,425377E+21	1,425333E+21	2,819227E+21	5,625475E+21
2637	9,318093E+21	1,290744E+22	1,520602E+22	1,520631E+22	1,290797E+22	9,318548E+21	5,625780E+21	2,819356E+21	1,425330E+21	1,425283E+21	2,819176E+21	5,625488E+21
2638	9,318401E+21	1,290816E+22	1,520674E+22	1,520666E+22	1,290787E+22	9,318051E+21	5,625302E+21	2,819094E+21	1,425230E+21	1,425306E+21	2,819331E+21	5,625657E+21
2639	9,318319E+21	1,290772E+22	1,520598E+22	1,520585E+22	1,290763E+22	9,318350E+21	5,625712E+21	2,819418E+21	1,425393E+21	1,425305E+21	2,819161E+21	5,625344E+21
2640	9,317895E+21	1,290730E+22	1,520601E+22	1,520635E+22	1,290814E+22	9,318646E+21	5,625733E+21	2,819357E+21	1,425435E+21	1,425469E+21	2,819442E+21	5,625751E+21
2641	9,318434E+21	1,290777E+22	1,520606E+22	1,520588E+22	1,290732E+22	9,317985E+21	5,625509E+21	2,819366E+21	1,425504E+21	1,425558E+21	2,819531E+21	5,625761E+21
2642	9,318245E+21	1,290725E+22	1,520513E+22	1,520513E+22	1,290719E+22	9,318233E+21	5,625923E+21	2,819770E+21	1,425773E+21	1,425690E+21	2,819497E+21	5,625556E+21
2643	9,318019E+21	1,290731E+22	1,520560E+22	1,520558E+22	1,290739E+22	9,318111E+21	5,625637E+21	2,819641E+21	1,425862E+21	1,425947E+21	2,819898E+21	5,625980E+21
2644	9,318301E+21	1,290732E+22	1,520526E+22	1,520480E+22	1,290652E+22	9,317773E+21	5,625755E+21	2,819882E+21	1,426065E+21	1,426071E+21	2,819910E+21	5,625797E+21
2645	9,317776E+21	1,290640E+22	1,520443E+22	1,520478E+22	1,290699E+22	9,318231E+21	5,626137E+21	2,820179E+21	1,426287E+21	1,426236E+21	2,819998E+21	5,625825E+21
2646	9,317906E+21	1,290676E+22	1,520478E+22	1,520488E+22	1,290688E+22	9,317867E+21	5,625761E+21	2,820015E+21	1,426321E+21	1,426427E+21	2,820351E+21	5,626216E+21
2647	9,318054E+21	1,290644E+22	1,520392E+22	1,520371E+22	1,290616E+22	9,317911E+21	5,626154E+21	2,820376E+21	1,426514E+21	1,426447E+21	2,820178E+21	5,625879E+21
2648	9,317614E+21	1,290598E+22	1,520379E+22	1,520414E+22	1,290671E+22	9,318281E+21	5,626277E+21	2,820377E+21	1,426538E+21	1,426521E+21	2,820289E+21	5,626057E+21
2649	9,318025E+21	1,290667E+22	1,520438E+22	1,520417E+22	1,290618E+22	9,317611E+21	5,625869E+21	2,820193E+21	1,426456E+21	1,426509E+21	2,820350E+21	5,626113E+21
2650	9,317927E+21	1,290633E+22	1,520376E+22	1,520365E+22	1,290613E+22	9,317858E+21	5,626163E+21	2,820402E+21	1,426500E+21	1,426395E+21	2,820090E+21	5,625778E+21
2651	9,317634E+21	1,290635E+22	1,520443E+22	1,520466E+22	1,290688E+22	9,318068E+21	5,625900E+21	2,820067E+21	1,426317E+21	1,426367E+21	2,820240E+21	5,626141E+21
2652	9,318179E+21	1,290686E+22	1,520465E+22	1,520443E+22	1,290636E+22	9,317705E+21	5,625768E+21	2,819941E+21	1,426150E+21	1,426175E+21	2,820038E+21	5,625962E+21

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2653	9,317964E+21	1,290648E+22	1,520427E+22	1,520459E+22	1,290692E+22	9,318194E+21	5,626056E+21	2,820022E+21	1,426067E+21	1,425977E+21	2,819741E+21	5,625698E+21
2654	9,318046E+21	1,290721E+22	1,520538E+22	1,520538E+22	1,290725E+22	9,318036E+21	5,625610E+21	2,819625E+21	1,425838E+21	1,425913E+21	2,819870E+21	5,625966E+21
2655	9,318278E+21	1,290729E+22	1,520525E+22	1,520488E+22	1,290667E+22	9,317921E+21	5,625774E+21	2,819742E+21	1,425820E+21	1,425759E+21	2,819568E+21	5,625561E+21
2656	9,317811E+21	1,290679E+22	1,520511E+22	1,520550E+22	1,290751E+22	9,318456E+21	5,625982E+21	2,819769E+21	1,425810E+21	1,425757E+21	2,819567E+21	5,625587E+21
2657	9,318042E+21	1,290736E+22	1,520570E+22	1,520576E+22	1,290736E+22	9,317970E+21	5,625542E+21	2,819529E+21	1,425728E+21	1,425806E+21	2,819762E+21	5,625849E+21
2658	9,318136E+21	1,290705E+22	1,520488E+22	1,520477E+22	1,290689E+22	9,318086E+21	5,625861E+21	2,819820E+21	1,425879E+21	1,425804E+21	2,819614E+21	5,625605E+21
2659	9,317822E+21	1,290678E+22	1,520501E+22	1,520528E+22	1,290737E+22	9,318349E+21	5,625870E+21	2,819769E+21	1,425925E+21	1,425961E+21	2,819863E+21	5,625937E+21
2660	9,318279E+21	1,290723E+22	1,520513E+22	1,520485E+22	1,290655E+22	9,317702E+21	5,625661E+21	2,819787E+21	1,426009E+21	1,426075E+21	2,819986E+21	5,625969E+21
2661	9,318057E+21	1,290664E+22	1,520428E+22	1,520432E+22	1,290655E+22	9,317972E+21	5,626064E+21	2,820182E+21	1,426272E+21	1,426189E+21	2,819916E+21	5,625703E+21
2662	9,317767E+21	1,290670E+22	1,520477E+22	1,520480E+22	1,290685E+22	9,317934E+21	5,625821E+21	2,820069E+21	1,426366E+21	1,426459E+21	2,820354E+21	5,626164E+21
2663	9,317991E+21	1,290649E+22	1,520416E+22	1,520388E+22	1,290595E+22	9,317610E+21	5,625967E+21	2,820347E+21	1,426606E+21	1,426613E+21	2,820387E+21	5,626037E+21
2664	9,317603E+21	1,290569E+22	1,520324E+22	1,520364E+22	1,290639E+22	9,318188E+21	5,626418E+21	2,820647E+21	1,426817E+21	1,426764E+21	2,820444E+21	5,626006E+21
2665	9,317687E+21	1,290609E+22	1,520369E+22	1,520374E+22	1,290615E+22	9,317714E+21	5,626041E+21	2,820498E+21	1,426843E+21	1,426932E+21	2,820758E+21	5,626378E+21
2666	9,317916E+21	1,290593E+22	1,520298E+22	1,520264E+22	1,290533E+22	9,317557E+21	5,626281E+21	2,820789E+21	1,427003E+21	1,426931E+21	2,820585E+21	5,626049E+21
2667	9,317458E+21	1,290550E+22	1,520300E+22	1,520327E+22	1,290601E+22	9,317933E+21	5,626360E+21	2,820755E+21	1,426998E+21	1,426982E+21	2,820677E+21	5,626178E+21
2668	9,317746E+21	1,290603E+22	1,520351E+22	1,520337E+22	1,290562E+22	9,317367E+21	5,625970E+21	2,820545E+21	1,426896E+21	1,426966E+21	2,820772E+21	5,626322E+21
2669	9,317714E+21	1,290566E+22	1,520291E+22	1,520296E+22	1,290570E+22	9,317709E+21	5,626267E+21	2,820701E+21	1,426882E+21	1,426788E+21	2,820438E+21	5,625949E+21
2670	9,317499E+21	1,290585E+22	1,520367E+22	1,520390E+22	1,290640E+22	9,317957E+21	5,626071E+21	2,820381E+21	1,426674E+21	1,426728E+21	2,820562E+21	5,626284E+21
2671	9,318006E+21	1,290631E+22	1,520381E+22	1,520364E+22	1,290581E+22	9,317530E+21	5,625943E+21	2,820303E+21	1,426547E+21	1,426553E+21	2,820341E+21	5,626073E+21
2672	9,317825E+21	1,290606E+22	1,520349E+22	1,520374E+22	1,290642E+22	9,318119E+21	5,626266E+21	2,820397E+21	1,426485E+21	1,426377E+21	2,820042E+21	5,625728E+21
2673	9,317728E+21	1,290663E+22	1,520462E+22	1,520464E+22	1,290674E+22	9,317910E+21	5,625838E+21	2,820036E+21	1,426287E+21	1,426345E+21	2,820208E+21	5,626048E+21
2674	9,318020E+21	1,290668E+22	1,520439E+22	1,520409E+22	1,290610E+22	9,317649E+21	5,625876E+21	2,820113E+21	1,426277E+21	1,426226E+21	2,819989E+21	5,625771E+21
2675	9,317635E+21	1,290617E+22	1,520414E+22	1,520458E+22	1,290693E+22	9,318236E+21	5,626105E+21	2,820139E+21	1,426269E+21	1,426234E+21	2,820005E+21	5,625817E+21
2676	9,317871E+21	1,290669E+22	1,520463E+22	1,520471E+22	1,290668E+22	9,317768E+21	5,625714E+21	2,819915E+21	1,426191E+21	1,426295E+21	2,820227E+21	5,626132E+21
2677	9,318052E+21	1,290650E+22	1,520397E+22	1,520380E+22	1,290618E+22	9,317809E+21	5,625989E+21	2,820192E+21	1,426330E+21	1,426260E+21	2,820002E+21	5,625783E+21
2678	9,317708E+21	1,290636E+22	1,520428E+22	1,520438E+22	1,290666E+22	9,318081E+21	5,626027E+21	2,820168E+21	1,426393E+21	1,426430E+21	2,820260E+21	5,626062E+21
2679	9,318000E+21	1,290659E+22	1,520426E+22	1,520402E+22	1,290592E+22	9,317434E+21	5,625827E+21	2,820239E+21	1,426537E+21	1,426594E+21	2,820419E+21	5,626120E+21
2680	9,317790E+21	1,290595E+22	1,520326E+22	1,520337E+22	1,290606E+22	9,317893E+21	5,626299E+21	2,820652E+21	1,426822E+21	1,426735E+21	2,820370E+21	5,625846E+21
2681	9,317416E+21	1,290586E+22	1,520365E+22	1,520382E+22	1,290632E+22	9,317881E+21	5,626127E+21	2,820568E+21	1,426919E+21	1,427002E+21	2,820807E+21	5,626367E+21
2682	9,317806E+21	1,290578E+22	1,520300E+22	1,520274E+22	1,290521E+22	9,317354E+21	5,626165E+21	2,820804E+21	1,427134E+21	1,427142E+21	2,820852E+21	5,626278E+21
2683	9,317480E+21	1,290511E+22	1,520219E+22	1,520250E+22	1,290561E+22	9,317901E+21	5,626594E+21	2,821091E+21	1,427323E+21	1,427265E+21	2,820866E+21	5,626167E+21
2684	9,317459E+21	1,290547E+22	1,520273E+22	1,520270E+22	1,290539E+22	9,317439E+21	5,626203E+21	2,820913E+21	1,427330E+21	1,427426E+21	2,821191E+21	5,626557E+21
2685	9,317676E+21	1,290531E+22	1,520217E+22	1,520184E+22	1,290468E+22	9,317251E+21	5,626376E+21	2,821150E+21	1,427447E+21	1,427378E+21	2,820966E+21	5,626194E+21
2686	9,317237E+21	1,290494E+22	1,520226E+22	1,520254E+22	1,290549E+22	9,317717E+21	5,626479E+21	2,821101E+21	1,427420E+21	1,427413E+21	2,821067E+21	5,626349E+21
2687	9,317508E+21	1,290534E+22	1,520258E+22	1,520257E+22	1,290514E+22	9,317218E+21	5,626123E+21	2,820908E+21	1,427327E+21	1,427399E+21	2,821156E+21	5,626536E+21
2688	9,317622E+21	1,290515E+22	1,520198E+22	1,520202E+22	1,290523E+22	9,317669E+21	5,626483E+21	2,821068E+21	1,427299E+21	1,427198E+21	2,820775E+21	5,626079E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,317325E+21	1,290536E+22	1,520288E+22	1,520305E+22	1,290584E+22	9,317837E+21	5,626308E+21	2,820779E+21	1,427095E+21	1,427124E+21	2,820858E+21	5,626374E+21
2690	9,317857E+21	1,290588E+22	1,520308E+22	1,520282E+22	1,290518E+22	9,317236E+21	5,626050E+21	2,820655E+21	1,426965E+21	1,426967E+21	2,820678E+21	5,626176E+21
2691	9,317609E+21	1,290557E+22	1,520278E+22	1,520299E+22	1,290587E+22	9,317855E+21	5,626374E+21	2,820752E+21	1,426910E+21	1,426809E+21	2,820409E+21	5,625830E+21
2692	9,317393E+21	1,290591E+22	1,520371E+22	1,520383E+22	1,290625E+22	9,317736E+21	5,625973E+21	2,820392E+21	1,426724E+21	1,426805E+21	2,820637E+21	5,626262E+21
2693	9,317780E+21	1,290596E+22	1,520344E+22	1,520325E+22	1,290559E+22	9,317481E+21	5,626004E+21	2,820443E+21	1,426688E+21	1,426655E+21	2,820384E+21	5,625999E+21
2694	9,317538E+21	1,290565E+22	1,520326E+22	1,520363E+22	1,290630E+22	9,318032E+21	5,626272E+21	2,820497E+21	1,426684E+21	1,426659E+21	2,820393E+21	5,626018E+21
2695	9,317735E+21	1,290613E+22	1,520368E+22	1,520370E+22	1,290599E+22	9,317521E+21	5,625890E+21	2,820330E+21	1,426660E+21	1,426753E+21	2,820616E+21	5,626320E+21
2696	9,317943E+21	1,290605E+22	1,520312E+22	1,520282E+22	1,290556E+22	9,317655E+21	5,626194E+21	2,820622E+21	1,426826E+21	1,426747E+21	2,820393E+21	5,625884E+21
2697	9,317415E+21	1,290575E+22	1,520347E+22	1,520356E+22	1,290606E+22	9,317885E+21	5,626264E+21	2,820648E+21	1,426928E+21	1,426946E+21	2,820673E+21	5,626202E+21
2698	9,317747E+21	1,290590E+22	1,520328E+22	1,520312E+22	1,290534E+22	9,317176E+21	5,625976E+21	2,820686E+21	1,427083E+21	1,427147E+21	2,820904E+21	5,626349E+21
2699	9,317582E+21	1,290526E+22	1,520221E+22	1,520235E+22	1,290544E+22	9,317700E+21	5,626494E+21	2,821101E+21	1,427355E+21	1,427283E+21	2,820856E+21	5,626070E+21
2700	9,317178E+21	1,290508E+22	1,520246E+22	1,520265E+22	1,290559E+22	9,317686E+21	5,626359E+21	2,821031E+21	1,427448E+21	1,427540E+21	2,821289E+21	5,626608E+21
2701	9,317619E+21	1,290513E+22	1,520200E+22	1,520169E+22	1,290446E+22	9,317075E+21	5,626330E+21	2,821226E+21	1,427624E+21	1,427627E+21	2,821255E+21	5,626441E+21
2702	9,317300E+21	1,290459E+22	1,520138E+22	1,520154E+22	1,290487E+22	9,317597E+21	5,626741E+21	2,821496E+21	1,427797E+21	1,427740E+21	2,821268E+21	5,626286E+21
2703	9,317143E+21	1,290475E+22	1,520179E+22	1,520182E+22	1,290477E+22	9,317173E+21	5,626352E+21	2,821337E+21	1,427824E+21	1,427913E+21	2,821608E+21	5,626726E+21
2704	9,317437E+21	1,290465E+22	1,520120E+22	1,520094E+22	1,290423E+22	9,317169E+21	5,626557E+21	2,821544E+21	1,427920E+21	1,427851E+21	2,821366E+21	5,626346E+21
2705	9,316972E+21	1,290425E+22	1,520132E+22	1,520168E+22	1,290500E+22	9,317633E+21	5,626717E+21	2,821510E+21	1,427872E+21	1,427853E+21	2,821430E+21	5,626537E+21
2706	9,317417E+21	1,290480E+22	1,520164E+22	1,520163E+22	1,290455E+22	9,317000E+21	5,626269E+21	2,821273E+21	1,427750E+21	1,427819E+21	2,821515E+21	5,626720E+21
2707	9,317549E+21	1,290475E+22	1,520122E+22	1,520114E+22	1,290462E+22	9,317438E+21	5,626623E+21	2,821421E+21	1,427702E+21	1,427599E+21	2,821105E+21	5,626186E+21
2708	9,317107E+21	1,290483E+22	1,520212E+22	1,520224E+22	1,290527E+22	9,317634E+21	5,626461E+21	2,821131E+21	1,427501E+21	1,427535E+21	2,821212E+21	5,626496E+21
2709	9,317589E+21	1,290530E+22	1,520242E+22	1,520218E+22	1,290468E+22	9,316997E+21	5,626138E+21	2,820970E+21	1,427349E+21	1,427358E+21	2,821019E+21	5,626311E+21
2710	9,317393E+21	1,290501E+22	1,520206E+22	1,520228E+22	1,290540E+22	9,317677E+21	5,626486E+21	2,821067E+21	1,427301E+21	1,427219E+21	2,820790E+21	5,626010E+21
2711	9,317174E+21	1,290520E+22	1,520271E+22	1,520292E+22	1,290574E+22	9,317600E+21	5,626143E+21	2,820756E+21	1,427150E+21	1,427237E+21	2,821033E+21	5,626503E+21
2712	9,317722E+21	1,290546E+22	1,520246E+22	1,520219E+22	1,290501E+22	9,317381E+21	5,626212E+21	2,820833E+21	1,427132E+21	1,427093E+21	2,820751E+21	5,626160E+21
2713	9,317399E+21	1,290517E+22	1,520246E+22	1,520272E+22	1,290563E+22	9,317817E+21	5,626489E+21	2,820938E+21	1,427161E+21	1,427109E+21	2,820739E+21	5,626153E+21
2714	9,317607E+21	1,290566E+22	1,520290E+22	1,520281E+22	1,290529E+22	9,317176E+21	5,626000E+21	2,820744E+21	1,427159E+21	1,427248E+21	2,821022E+21	5,626460E+21
2715	9,317710E+21	1,290548E+22	1,520232E+22	1,520199E+22	1,290495E+22	9,317372E+21	5,626336E+21	2,821053E+21	1,427341E+21	1,427270E+21	2,820840E+21	5,626028E+21
2716	9,317057E+21	1,290492E+22	1,520242E+22	1,520263E+22	1,290553E+22	9,317735E+21	5,626459E+21	2,821090E+21	1,427456E+21	1,427491E+21	2,821161E+21	5,626417E+21
2717	9,317442E+21	1,290507E+22	1,520221E+22	1,520213E+22	1,290474E+22	9,317008E+21	5,626164E+21	2,821107E+21	1,427584E+21	1,427658E+21	2,821353E+21	5,626567E+21
2718	9,317401E+21	1,290460E+22	1,520118E+22	1,520125E+22	1,290473E+22	9,317502E+21	5,626711E+21	2,821538E+21	1,427852E+21	1,427783E+21	2,821291E+21	5,626254E+21
2719	9,316946E+21	1,290434E+22	1,520134E+22	1,520152E+22	1,290486E+22	9,317457E+21	5,626572E+21	2,821501E+21	1,427973E+21	1,428050E+21	2,821714E+21	5,626789E+21
2720	9,317433E+21	1,290453E+22	1,520099E+22	1,520060E+22	1,290379E+22	9,316902E+21	5,626542E+21	2,821685E+21	1,428147E+21	1,428137E+21	2,821673E+21	5,626572E+21
2721	9,317006E+21	1,290391E+22	1,520050E+22	1,520067E+22	1,290424E+22	9,317359E+21	5,626941E+21	2,821959E+21	1,428316E+21	1,428240E+21	2,821683E+21	5,626479E+21
2722	9,316963E+21	1,290407E+22	1,520080E+22	1,520089E+22	1,290416E+22	9,316907E+21	5,626462E+21	2,821733E+21	1,428318E+21	1,428418E+21	2,822063E+21	5,626980E+21
2723	9,317330E+21	1,290408E+22	1,520029E+22	1,520000E+22	1,290362E+22	9,316973E+21	5,626712E+21	2,821915E+21	1,428367E+21	1,428318E+21	2,821788E+21	5,626567E+21
2724	9,316845E+21	1,290369E+22	1,520040E+22	1,520072E+22	1,290437E+22	9,317449E+21	5,626889E+21	2,821880E+21	1,428298E+21	1,428286E+21	2,821809E+21	5,626718E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,317276E+21	1,290436E+22	1,520096E+22	1,520083E+22	1,290396E+22	9,316767E+21	5,626377E+21	2,821598E+21	1,428135E+21	1,428199E+21	2,821816E+21	5,626810E+21
2726	9,317376E+21	1,290435E+22	1,520067E+22	1,520046E+22	1,290408E+22	9,317211E+21	5,626730E+21	2,821738E+21	1,428080E+21	1,427980E+21	2,821418E+21	5,626245E+21
2727	9,316782E+21	1,290414E+22	1,520130E+22	1,520154E+22	1,290482E+22	9,317469E+21	5,626604E+21	2,821492E+21	1,427915E+21	1,427942E+21	2,821560E+21	5,626625E+21
2728	9,317340E+21	1,290464E+22	1,520149E+22	1,520136E+22	1,290431E+22	9,316973E+21	5,626327E+21	2,821331E+21	1,427768E+21	1,427776E+21	2,821378E+21	5,626458E+21
2729	9,317161E+21	1,290436E+22	1,520115E+22	1,520141E+22	1,290486E+22	9,317557E+21	5,626707E+21	2,821465E+21	1,427732E+21	1,427634E+21	2,821141E+21	5,626213E+21
2730	9,317115E+21	1,290467E+22	1,520175E+22	1,520191E+22	1,290505E+22	9,317342E+21	5,626284E+21	2,821138E+21	1,427594E+21	1,427678E+21	2,821412E+21	5,626702E+21
2731	9,317661E+21	1,290506E+22	1,520170E+22	1,520127E+22	1,290432E+22	9,317103E+21	5,626344E+21	2,821212E+21	1,427579E+21	1,427546E+21	2,821130E+21	5,626294E+21
2732	9,317179E+21	1,290461E+22	1,520166E+22	1,520185E+22	1,290498E+22	9,317557E+21	5,626628E+21	2,821340E+21	1,427639E+21	1,427592E+21	2,821153E+21	5,626296E+21
2733	9,317316E+21	1,290502E+22	1,520214E+22	1,520208E+22	1,290476E+22	9,316935E+21	5,626111E+21	2,821129E+21	1,427633E+21	1,427727E+21	2,821434E+21	5,626626E+21
2734	9,317467E+21	1,290481E+22	1,520145E+22	1,520117E+22	1,290444E+22	9,317207E+21	5,626490E+21	2,821448E+21	1,427829E+21	1,427777E+21	2,821294E+21	5,626230E+21
2735	9,316788E+21	1,290407E+22	1,520122E+22	1,520156E+22	1,290494E+22	9,317622E+21	5,626704E+21	2,821551E+21	1,427977E+21	1,428012E+21	2,821621E+21	5,626657E+21
2736	9,317298E+21	1,290441E+22	1,520105E+22	1,520093E+22	1,290408E+22	9,316909E+21	5,626432E+21	2,821588E+21	1,428116E+21	1,428177E+21	2,821781E+21	5,626731E+21
2737	9,317180E+21	1,290397E+22	1,520021E+22	1,520018E+22	1,290395E+22	9,317257E+21	5,626954E+21	2,822038E+21	1,428396E+21	1,428298E+21	2,821699E+21	5,626420E+21
2738	9,316772E+21	1,290371E+22	1,520034E+22	1,520045E+22	1,290406E+22	9,317105E+21	5,626705E+21	2,821956E+21	1,428517E+21	1,428590E+21	2,822169E+21	5,626970E+21
2739	9,317215E+21	1,290389E+22	1,520008E+22	1,519966E+22	1,290311E+22	9,316604E+21	5,626674E+21	2,822111E+21	1,428665E+21	1,428670E+21	2,822142E+21	5,626770E+21
2740	9,316740E+21	1,290315E+22	1,519946E+22	1,519972E+22	1,290366E+22	9,317164E+21	5,627090E+21	2,822363E+21	1,428810E+21	1,428750E+21	2,822148E+21	5,626719E+21
2741	9,316776E+21	1,290344E+22	1,519991E+22	1,519999E+22	1,290357E+22	9,316719E+21	5,626605E+21	2,822091E+21	1,428748E+21	1,428854E+21	2,822445E+21	5,627183E+21
2742	9,317242E+21	1,290363E+22	1,519953E+22	1,519916E+22	1,290304E+22	9,316787E+21	5,626862E+21	2,822260E+21	1,428768E+21	1,428722E+21	2,822127E+21	5,626687E+21
2743	9,316649E+21	1,290313E+22	1,519958E+22	1,519988E+22	1,290382E+22	9,317297E+21	5,627070E+21	2,822255E+21	1,428712E+21	1,428682E+21	2,822124E+21	5,626806E+21
2744	9,317067E+21	1,290385E+22	1,520019E+22	1,520005E+22	1,290350E+22	9,316680E+21	5,626571E+21	2,821976E+21	1,428554E+21	1,428600E+21	2,822125E+21	5,626855E+21
2745	9,317047E+21	1,290372E+22	1,519993E+22	1,519981E+22	1,290362E+22	9,317068E+21	5,626915E+21	2,822131E+21	1,428512E+21	1,428389E+21	2,821756E+21	5,626398E+21
2746	9,316600E+21	1,290346E+22	1,520031E+22	1,520067E+22	1,290430E+22	9,317281E+21	5,626716E+21	2,821842E+21	1,428349E+21	1,428385E+21	2,821958E+21	5,626848E+21
2747	9,317239E+21	1,290408E+22	1,520055E+22	1,520040E+22	1,290368E+22	9,316780E+21	5,626485E+21	2,821685E+21	1,428188E+21	1,428215E+21	2,821779E+21	5,626681E+21
2748	9,317065E+21	1,290383E+22	1,520025E+22	1,520044E+22	1,290417E+22	9,317314E+21	5,626844E+21	2,821829E+21	1,428160E+21	1,428069E+21	2,821525E+21	5,626399E+21
2749	9,316991E+21	1,290426E+22	1,520110E+22	1,520108E+22	1,290436E+22	9,317035E+21	5,626364E+21	2,821476E+21	1,428009E+21	1,428094E+21	2,821753E+21	5,626820E+21
2750	9,317491E+21	1,290463E+22	1,520110E+22	1,520058E+22	1,290374E+22	9,316843E+21	5,626436E+21	2,821556E+21	1,428012E+21	1,427992E+21	2,821502E+21	5,626386E+21
2751	9,316851E+21	1,290388E+22	1,520075E+22	1,520108E+22	1,290452E+22	9,317415E+21	5,626794E+21	2,821744E+21	1,428118E+21	1,428073E+21	2,821563E+21	5,626452E+21
2752	9,317045E+21	1,290426E+22	1,520105E+22	1,520113E+22	1,290433E+22	9,316936E+21	5,626355E+21	2,821565E+21	1,428135E+21	1,428226E+21	2,821853E+21	5,626785E+21
2753	9,317195E+21	1,290404E+22	1,520037E+22	1,520017E+22	1,290382E+22	9,317101E+21	5,626778E+21	2,821937E+21	1,428352E+21	1,428278E+21	2,821717E+21	5,626460E+21
2754	9,316675E+21	1,290337E+22	1,520002E+22	1,520035E+22	1,290414E+22	9,317363E+21	5,626907E+21	2,822029E+21	1,428519E+21	1,428545E+21	2,822074E+21	5,626867E+21
2755	9,317157E+21	1,290384E+22	1,520007E+22	1,519981E+22	1,290323E+22	9,316611E+21	5,626629E+21	2,822057E+21	1,428653E+21	1,428719E+21	2,822245E+21	5,626911E+21
2756	9,316937E+21	1,290330E+22	1,519925E+22	1,519916E+22	1,290315E+22	9,316930E+21	5,627102E+21	2,822492E+21	1,428935E+21	1,428844E+21	2,822179E+21	5,626615E+21
2757	9,316510E+21	1,290307E+22	1,519949E+22	1,519958E+22	1,290339E+22	9,316798E+21	5,626797E+21	2,822353E+21	1,429016E+21	1,429100E+21	2,822619E+21	5,627186E+21
2758	9,317042E+21	1,290329E+22	1,519921E+22	1,519883E+22	1,290256E+22	9,316412E+21	5,626793E+21	2,822473E+21	1,429131E+21	1,429160E+21	2,822581E+21	5,626982E+21
2759	9,316561E+21	1,290247E+22	1,519841E+22	1,519875E+22	1,290310E+22	9,317046E+21	5,627294E+21	2,822767E+21	1,429272E+21	1,429209E+21	2,822545E+21	5,626923E+21
2760	9,316678E+21	1,290293E+22	1,519898E+22	1,519904E+22	1,290305E+22	9,316657E+21	5,626844E+21	2,822507E+21	1,429200E+21	1,429282E+21	2,822773E+21	5,627267E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,317011E+21	1,290311E+22	1,519882E+22	1,519842E+22	1,290246E+22	9,316611E+21	5,627074E+21	2,822680E+21	1,429217E+21	1,429135E+21	2,822439E+21	5,626778E+21
2762	9,316422E+21	1,290251E+22	1,519870E+22	1,519905E+22	1,290323E+22	9,317054E+21	5,627203E+21	2,822642E+21	1,429165E+21	1,429127E+21	2,822489E+21	5,626908E+21
2763	9,316785E+21	1,290320E+22	1,519933E+22	1,519927E+22	1,290296E+22	9,316497E+21	5,626716E+21	2,822334E+21	1,428984E+21	1,429045E+21	2,822520E+21	5,627008E+21
2764	9,316769E+21	1,290297E+22	1,519893E+22	1,519892E+22	1,290306E+22	9,316899E+21	5,627052E+21	2,822474E+21	1,428931E+21	1,428827E+21	2,822161E+21	5,626611E+21
2765	9,316453E+21	1,290292E+22	1,519945E+22	1,519975E+22	1,290366E+22	9,317062E+21	5,626827E+21	2,822155E+21	1,428728E+21	1,428773E+21	2,822306E+21	5,627048E+21
2766	9,317209E+21	1,290371E+22	1,519984E+22	1,519958E+22	1,290307E+22	9,316545E+21	5,626576E+21	2,821987E+21	1,428563E+21	1,428600E+21	2,822109E+21	5,626816E+21
2767	9,316924E+21	1,290336E+22	1,519948E+22	1,519963E+22	1,290359E+22	9,317112E+21	5,626977E+21	2,822178E+21	1,428569E+21	1,428472E+21	2,821859E+21	5,626521E+21
2768	9,316816E+21	1,290378E+22	1,520036E+22	1,520036E+22	1,290390E+22	9,316918E+21	5,626545E+21	2,821863E+21	1,428449E+21	1,428522E+21	2,822092E+21	5,626893E+21
2769	9,317175E+21	1,290398E+22	1,520034E+22	1,519994E+22	1,290328E+22	9,316707E+21	5,626633E+21	2,821977E+21	1,428489E+21	1,428452E+21	2,821893E+21	5,626568E+21
2770	9,316646E+21	1,290313E+22	1,519963E+22	1,520009E+22	1,290394E+22	9,317272E+21	5,626986E+21	2,822171E+21	1,428628E+21	1,428590E+21	2,822017E+21	5,626672E+21
2771	9,316881E+21	1,290361E+22	1,519996E+22	1,520002E+22	1,290360E+22	9,316767E+21	5,626603E+21	2,822020E+21	1,428652E+21	1,428754E+21	2,822316E+21	5,627003E+21
2772	9,317018E+21	1,290338E+22	1,519928E+22	1,519903E+22	1,290300E+22	9,316826E+21	5,626979E+21	2,822408E+21	1,428891E+21	1,428816E+21	2,822177E+21	5,626653E+21
2773	9,316487E+21	1,290284E+22	1,519915E+22	1,519931E+22	1,290330E+22	9,317005E+21	5,627028E+21	2,822456E+21	1,429035E+21	1,429061E+21	2,822506E+21	5,627030E+21
2774	9,316945E+21	1,290327E+22	1,519924E+22	1,519894E+22	1,290254E+22	9,316292E+21	5,626732E+21	2,822463E+21	1,429164E+21	1,429245E+21	2,822698E+21	5,627069E+21
2775	9,316626E+21	1,290252E+22	1,519822E+22	1,519826E+22	1,290260E+22	9,316735E+21	5,627253E+21	2,822914E+21	1,429450E+21	1,429365E+21	2,822640E+21	5,626834E+21
2776	9,316298E+21	1,290235E+22	1,519841E+22	1,519862E+22	1,290289E+22	9,316732E+21	5,627031E+21	2,822789E+21	1,429520E+21	1,429598E+21	2,823038E+21	5,627357E+21
2777	9,316816E+21	1,290262E+22	1,519824E+22	1,519795E+22	1,290200E+22	9,316302E+21	5,627056E+21	2,822929E+21	1,429622E+21	1,429625E+21	2,822966E+21	5,627178E+21
2778	9,316445E+21	1,290187E+22	1,519738E+22	1,519772E+22	1,290244E+22	9,316847E+21	5,627482E+21	2,823192E+21	1,429758E+21	1,429682E+21	2,822926E+21	5,627053E+21
2779	9,316484E+21	1,290241E+22	1,519814E+22	1,519810E+22	1,290235E+22	9,316453E+21	5,627052E+21	2,822921E+21	1,429666E+21	1,429745E+21	2,823153E+21	5,627370E+21
2780	9,316711E+21	1,290244E+22	1,519794E+22	1,519760E+22	1,290185E+22	9,316369E+21	5,627225E+21	2,823071E+21	1,429672E+21	1,429593E+21	2,822838E+21	5,626921E+21
2781	9,316155E+21	1,290190E+22	1,519787E+22	1,519825E+22	1,290265E+22	9,316798E+21	5,627276E+21	2,822962E+21	1,429573E+21	1,429551E+21	2,822875E+21	5,627107E+21
2782	9,316634E+21	1,290264E+22	1,519848E+22	1,519846E+22	1,290245E+22	9,316314E+21	5,626806E+21	2,822622E+21	1,429363E+21	1,429452E+21	2,822901E+21	5,627217E+21
2783	9,316658E+21	1,290243E+22	1,519800E+22	1,519799E+22	1,290248E+22	9,316729E+21	5,627191E+21	2,822793E+21	1,429309E+21	1,429212E+21	2,822509E+21	5,626817E+21
2784	9,316427E+21	1,290256E+22	1,519868E+22	1,519889E+22	1,290310E+22	9,316905E+21	5,626995E+21	2,822505E+21	1,429121E+21	1,429149E+21	2,822595E+21	5,627126E+21
2785	9,317030E+21	1,290332E+22	1,519926E+22	1,519896E+22	1,290254E+22	9,316347E+21	5,626738E+21	2,822360E+21	1,428977E+21	1,428988E+21	2,822411E+21	5,626913E+21
2786	9,316719E+21	1,290280E+22	1,519867E+22	1,519888E+22	1,290307E+22	9,316891E+21	5,627105E+21	2,822556E+21	1,429025E+21	1,428924E+21	2,822233E+21	5,626629E+21
2787	9,316528E+21	1,290313E+22	1,519949E+22	1,519957E+22	1,290338E+22	9,316793E+21	5,626753E+21	2,822266E+21	1,428923E+21	1,429005E+21	2,822512E+21	5,627048E+21
2788	9,316870E+21	1,290318E+22	1,519926E+22	1,519900E+22	1,290272E+22	9,316568E+21	5,626849E+21	2,822404E+21	1,428984E+21	1,428959E+21	2,822345E+21	5,626777E+21
2789	9,316449E+21	1,290250E+22	1,519861E+22	1,519900E+22	1,290321E+22	9,317040E+21	5,627164E+21	2,822583E+21	1,429109E+21	1,429076E+21	2,822444E+21	5,626880E+21
2790	9,316747E+21	1,290307E+22	1,519904E+22	1,519901E+22	1,290288E+22	9,316505E+21	5,626752E+21	2,822426E+21	1,429140E+21	1,429251E+21	2,822740E+21	5,627165E+21
2791	9,316797E+21	1,290275E+22	1,519830E+22	1,519800E+22	1,290227E+22	9,316560E+21	5,627148E+21	2,822845E+21	1,429404E+21	1,429328E+21	2,822617E+21	5,626836E+21
2792	9,316280E+21	1,290222E+22	1,519820E+22	1,519840E+22	1,290270E+22	9,316794E+21	5,627222E+21	2,822914E+21	1,429564E+21	1,429578E+21	2,822935E+21	5,627178E+21
2793	9,316652E+21	1,290256E+22	1,519832E+22	1,519815E+22	1,290201E+22	9,316111E+21	5,626920E+21	2,822917E+21	1,429694E+21	1,429763E+21	2,823152E+21	5,627317E+21
2794	9,316452E+21	1,290177E+22	1,519704E+22	1,519717E+22	1,290196E+22	9,316565E+21	5,627447E+21	2,823353E+21	1,429980E+21	1,429904E+21	2,823116E+21	5,627080E+21
2795	9,316168E+21	1,290175E+22	1,519738E+22	1,519753E+22	1,290216E+22	9,316572E+21	5,627294E+21	2,823243E+21	1,430029E+21	1,430110E+21	2,823475E+21	5,627544E+21
2796	9,316626E+21	1,290201E+22	1,519727E+22	1,519693E+22	1,290128E+22	9,316056E+21	5,627254E+21	2,823371E+21	1,430123E+21	1,430120E+21	2,823371E+21	5,627303E+21

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°
2797	9,316213E+21	1,290138E+22	1,519660E+22	1,519681E+22	1,290173E+22	9,316546E+21	5,627600E+21	2,823570E+21	1,430211E+21	1,430135E+21	2,823299E+21	5,627160E+21
2798	9,316216E+21	1,290183E+22	1,519738E+22	1,519737E+22	1,290181E+22	9,316205E+21	5,627140E+21	2,823258E+21	1,430091E+21	1,430183E+21	2,823528E+21	5,627484E+21
2799	9,316396E+21	1,290169E+22	1,519696E+22	1,519676E+22	1,290137E+22	9,316213E+21	5,627354E+21	2,823407E+21	1,430082E+21	1,430013E+21	2,823222E+21	5,627125E+21
2800	9,316000E+21	1,290128E+22	1,519689E+22	1,519736E+22	1,290218E+22	9,316700E+21	5,627466E+21	2,823309E+21	1,429966E+21	1,429938E+21	2,823207E+21	5,627267E+21
2801	9,316496E+21	1,290214E+22	1,519768E+22	1,519768E+22	1,290192E+22	9,316162E+21	5,626995E+21	2,822983E+21	1,429749E+21	1,429817E+21	2,823215E+21	5,627405E+21
2802	9,316598E+21	1,290199E+22	1,519718E+22	1,519710E+22	1,290187E+22	9,316509E+21	5,627322E+21	2,823139E+21	1,429717E+21	1,429613E+21	2,822837E+21	5,626937E+21
2803	9,316285E+21	1,290219E+22	1,519806E+22	1,519813E+22	1,290247E+22	9,316697E+21	5,627177E+21	2,822875E+21	1,429544E+21	1,429570E+21	2,822939E+21	5,627213E+21
2804	9,316742E+21	1,290272E+22	1,519852E+22	1,519829E+22	1,290206E+22	9,316133E+21	5,626884E+21	2,822743E+21	1,429429E+21	1,429441E+21	2,822795E+21	5,627033E+21
2805	9,316446E+21	1,290222E+22	1,519787E+22	1,519810E+22	1,290257E+22	9,316692E+21	5,627214E+21	2,822904E+21	1,429465E+21	1,429381E+21	2,822642E+21	5,626822E+21
2806	9,316330E+21	1,290249E+22	1,519854E+22	1,519868E+22	1,290286E+22	9,316648E+21	5,626911E+21	2,822628E+21	1,429369E+21	1,429472E+21	2,822929E+21	5,627249E+21
2807	9,316688E+21	1,290252E+22	1,519818E+22	1,519794E+22	1,290208E+22	9,316390E+21	5,627056E+21	2,822819E+21	1,429457E+21	1,429434E+21	2,822770E+21	5,627006E+21
2808	9,316347E+21	1,290198E+22	1,519764E+22	1,519796E+22	1,290251E+22	9,316808E+21	5,627371E+21	2,823031E+21	1,429609E+21	1,429560E+21	2,822834E+21	5,627007E+21
2809	9,316500E+21	1,290248E+22	1,519820E+22	1,519814E+22	1,290221E+22	9,316247E+21	5,626944E+21	2,822886E+21	1,429661E+21	1,429753E+21	2,823164E+21	5,627344E+21
2810	9,316547E+21	1,290203E+22	1,519726E+22	1,519701E+22	1,290161E+22	9,316285E+21	5,627286E+21	2,823285E+21	1,429948E+21	1,429879E+21	2,823093E+21	5,627027E+21
2811	9,316016E+21	1,290150E+22	1,519717E+22	1,519737E+22	1,290202E+22	9,316598E+21	5,627437E+21	2,823369E+21	1,430107E+21	1,430134E+21	2,823423E+21	5,627396E+21
2812	9,316394E+21	1,290176E+22	1,519717E+22	1,519710E+22	1,290138E+22	9,315939E+21	5,627150E+21	2,823381E+21	1,430231E+21	1,430305E+21	2,823623E+21	5,627534E+21
2813	9,316294E+21	1,290121E+22	1,519606E+22	1,519608E+22	1,290123E+22	9,316312E+21	5,627618E+21	2,823772E+21	1,430472E+21	1,430399E+21	2,823539E+21	5,627272E+21
2814	9,316018E+21	1,290123E+22	1,519653E+22	1,519659E+22	1,290149E+22	9,316329E+21	5,627451E+21	2,823643E+21	1,430499E+21	1,430580E+21	2,823859E+21	5,627659E+21
2815	9,316359E+21	1,290138E+22	1,519638E+22	1,519603E+22	1,290067E+22	9,315840E+21	5,627428E+21	2,823773E+21	1,430583E+21	1,430577E+21	2,823762E+21	5,627446E+21
2816	9,315965E+21	1,290075E+22	1,519573E+22	1,519600E+22	1,290122E+22	9,316359E+21	5,627766E+21	2,823963E+21	1,430660E+21	1,430574E+21	2,823664E+21	5,627278E+21
2817	9,315919E+21	1,290113E+22	1,519650E+22	1,519663E+22	1,290138E+22	9,316076E+21	5,627305E+21	2,823629E+21	1,430520E+21	1,430604E+21	2,823908E+21	5,627709E+21
2818	9,316253E+21	1,290103E+22	1,519590E+22	1,519576E+22	1,290080E+22	9,316050E+21	5,627506E+21	2,823759E+21	1,430505E+21	1,430444E+21	2,823610E+21	5,627348E+21
2819	9,315943E+21	1,290085E+22	1,519608E+22	1,519640E+22	1,290148E+22	9,316497E+21	5,627667E+21	2,823683E+21	1,430383E+21	1,430352E+21	2,823558E+21	5,627429E+21
2820	9,316367E+21	1,290169E+22	1,519696E+22	1,519687E+22	1,290131E+22	9,315917E+21	5,627141E+21	2,823354E+21	1,430173E+21	1,430232E+21	2,823546E+21	5,627499E+21
2821	9,316418E+21	1,290164E+22	1,519662E+22	1,519638E+22	1,290129E+22	9,316223E+21	5,627395E+21	2,823457E+21	1,430115E+21	1,430018E+21	2,823176E+21	5,627040E+21
2822	9,316040E+21	1,290166E+22	1,519741E+22	1,519753E+22	1,290206E+22	9,316501E+21	5,627262E+21	2,823191E+21	1,429946E+21	1,429985E+21	2,823293E+21	5,627318E+21
2823	9,316426E+21	1,290199E+22	1,519757E+22	1,519749E+22	1,290166E+22	9,316035E+21	5,627046E+21	2,823092E+21	1,429849E+21	1,429874E+21	2,823188E+21	5,627231E+21
2824	9,316261E+21	1,290155E+22	1,519686E+22	1,519717E+22	1,290208E+22	9,316607E+21	5,627446E+21	2,823302E+21	1,429905E+21	1,429814E+21	2,823010E+21	5,626986E+21
2825	9,316140E+21	1,290186E+22	1,519760E+22	1,519777E+22	1,290229E+22	9,316494E+21	5,627131E+21	2,823053E+21	1,429829E+21	1,429912E+21	2,823308E+21	5,627447E+21
2826	9,316539E+21	1,290191E+22	1,519714E+22	1,519682E+22	1,290134E+22	9,316135E+21	5,627230E+21	2,823252E+21	1,429961E+21	1,429934E+21	2,823193E+21	5,627182E+21
2827	9,316163E+21	1,290144E+22	1,519680E+22	1,519694E+22	1,290171E+22	9,316523E+21	5,627582E+21	2,823489E+21	1,430134E+21	1,430085E+21	2,823281E+21	5,627173E+21
2828	9,316214E+21	1,290176E+22	1,519724E+22	1,519723E+22	1,290157E+22	9,315965E+21	5,627103E+21	2,823344E+21	1,430207E+21	1,430304E+21	2,823640E+21	5,627538E+21
2829	9,316317E+21	1,290140E+22	1,519631E+22	1,519602E+22	1,290095E+22	9,316025E+21	5,627403E+21	2,823684E+21	1,430460E+21	1,430415E+21	2,823577E+21	5,627284E+21
2830	9,315870E+21	1,290088E+22	1,519617E+22	1,519639E+22	1,290140E+22	9,316396E+21	5,627597E+21	2,823775E+21	1,430603E+21	1,430645E+21	2,823869E+21	5,627606E+21
2831	9,316221E+21	1,290112E+22	1,519612E+22	1,519602E+22	1,290072E+22	9,315750E+21	5,627362E+21	2,823821E+21	1,430729E+21	1,430799E+21	2,824044E+21	5,627722E+21
2832	9,316134E+21	1,290066E+22	1,519517E+22	1,519514E+22	1,290060E+22	9,316108E+21	5,627833E+21	2,824223E+21	1,430969E+21	1,430872E+21	2,823906E+21	5,627355E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,315702E+21	1,290057E+22	1,519571E+22	1,519583E+22	1,290094E+22	9,316129E+21	5,627648E+21	2,824084E+21	1,430986E+21	1,431044E+21	2,824244E+21	5,627790E+21
2834	9,316033E+21	1,290059E+22	1,519533E+22	1,519509E+22	1,290011E+22	9,315647E+21	5,627588E+21	2,824187E+21	1,431073E+21	1,431069E+21	2,824190E+21	5,627624E+21
2835	9,315711E+21	1,290004E+22	1,519474E+22	1,519500E+22	1,290058E+22	9,316207E+21	5,627978E+21	2,824366E+21	1,431127E+21	1,431048E+21	2,824088E+21	5,627488E+21
2836	9,315721E+21	1,290043E+22	1,519546E+22	1,519564E+22	1,290078E+22	9,315906E+21	5,627496E+21	2,824023E+21	1,430967E+21	1,431051E+21	2,824296E+21	5,627903E+21
2837	9,316182E+21	1,290065E+22	1,519512E+22	1,519481E+22	1,290013E+22	9,315781E+21	5,627598E+21	2,824080E+21	1,430900E+21	1,430848E+21	2,823960E+21	5,627528E+21
2838	9,315879E+21	1,290052E+22	1,519547E+22	1,519566E+22	1,290090E+22	9,316240E+21	5,627743E+21	2,823994E+21	1,430765E+21	1,430736E+21	2,823873E+21	5,627529E+21
2839	9,316168E+21	1,290121E+22	1,519629E+22	1,519619E+22	1,290085E+22	9,315733E+21	5,627267E+21	2,823684E+21	1,430560E+21	1,430620E+21	2,823880E+21	5,627626E+21
2840	9,316207E+21	1,290109E+22	1,519593E+22	1,519578E+22	1,290091E+22	9,316071E+21	5,627529E+21	2,823800E+21	1,430516E+21	1,430414E+21	2,823506E+21	5,627152E+21
2841	9,315763E+21	1,290098E+22	1,519656E+22	1,519684E+22	1,290170E+22	9,316435E+21	5,627447E+21	2,823553E+21	1,430357E+21	1,430393E+21	2,823660E+21	5,627515E+21
2842	9,316241E+21	1,290129E+22	1,519649E+22	1,519645E+22	1,290108E+22	9,315919E+21	5,627246E+21	2,823478E+21	1,430294E+21	1,430325E+21	2,823586E+21	5,627439E+21
2843	9,316153E+21	1,290104E+22	1,519595E+22	1,519606E+22	1,290127E+22	9,316386E+21	5,627675E+21	2,823733E+21	1,430382E+21	1,430287E+21	2,823406E+21	5,627150E+21
2844	9,315955E+21	1,290128E+22	1,519669E+22	1,519676E+22	1,290156E+22	9,316216E+21	5,627308E+21	2,823501E+21	1,430339E+21	1,430411E+21	2,823709E+21	5,627570E+21
2845	9,316333E+21	1,290142E+22	1,519635E+22	1,519589E+22	1,290060E+22	9,315780E+21	5,627308E+21	2,823643E+21	1,430455E+21	1,430442E+21	2,823633E+21	5,627359E+21
2846	9,315923E+21	1,290080E+22	1,519595E+22	1,519613E+22	1,290113E+22	9,316235E+21	5,627662E+21	2,823880E+21	1,430632E+21	1,430597E+21	2,823730E+21	5,627360E+21
2847	9,315940E+21	1,290098E+22	1,519617E+22	1,519625E+22	1,290102E+22	9,315817E+21	5,627288E+21	2,823761E+21	1,430707E+21	1,430817E+21	2,824104E+21	5,627783E+21
2848	9,316149E+21	1,290070E+22	1,519527E+22	1,519504E+22	1,290036E+22	9,315880E+21	5,627639E+21	2,824132E+21	1,430961E+21	1,430909E+21	2,823991E+21	5,627458E+21
2849	9,315665E+21	1,290024E+22	1,519522E+22	1,519545E+22	1,290083E+22	9,316256E+21	5,627841E+21	2,824242E+21	1,431108E+21	1,431128E+21	2,824269E+21	5,627768E+21
2850	9,315990E+21	1,290045E+22	1,519507E+22	1,519493E+22	1,290004E+22	9,315565E+21	5,627584E+21	2,824292E+21	1,431260E+21	1,431318E+21	2,824469E+21	5,627865E+21
2851	9,315873E+21	1,290002E+22	1,519428E+22	1,519415E+22	1,289985E+22	9,315892E+21	5,628071E+21	2,824697E+21	1,431500E+21	1,431395E+21	2,824346E+21	5,627508E+21
2852	9,315380E+21	1,289975E+22	1,519467E+22	1,519491E+22	1,290037E+22	9,315918E+21	5,627822E+21	2,824530E+21	1,431506E+21	1,431561E+21	2,824687E+21	5,627977E+21
2853	9,315833E+21	1,289995E+22	1,519432E+22	1,519407E+22	1,289946E+22	9,315410E+21	5,627692E+21	2,824542E+21	1,431528E+21	1,431548E+21	2,824638E+21	5,627899E+21
2854	9,315648E+21	1,289952E+22	1,519385E+22	1,519407E+22	1,289993E+22	9,315957E+21	5,628077E+21	2,824701E+21	1,431540E+21	1,431474E+21	2,824472E+21	5,627705E+21
2855	9,315660E+21	1,289999E+22	1,519464E+22	1,519469E+22	1,290013E+22	9,315680E+21	5,627631E+21	2,824367E+21	1,431366E+21	1,431450E+21	2,824639E+21	5,628071E+21
2856	9,316097E+21	1,290027E+22	1,519453E+22	1,519415E+22	1,289959E+22	9,315563E+21	5,627723E+21	2,824416E+21	1,431288E+21	1,431223E+21	2,824246E+21	5,627583E+21
2857	9,315639E+21	1,290003E+22	1,519491E+22	1,519515E+22	1,290054E+22	9,316089E+21	5,627867E+21	2,824327E+21	1,431148E+21	1,431107E+21	2,824176E+21	5,627609E+21
2858	9,315860E+21	1,290051E+22	1,519539E+22	1,519542E+22	1,290044E+22	9,315635E+21	5,627413E+21	2,824035E+21	1,430978E+21	1,431036E+21	2,824231E+21	5,627752E+21
2859	9,315955E+21	1,290042E+22	1,519503E+22	1,519489E+22	1,290036E+22	9,316002E+21	5,627764E+21	2,824184E+21	1,430947E+21	1,430845E+21	2,823881E+21	5,627318E+21
2860	9,315545E+21	1,290025E+22	1,519552E+22	1,519587E+22	1,290112E+22	9,316296E+21	5,627666E+21	2,823968E+21	1,430811E+21	1,430836E+21	2,824025E+21	5,627662E+21
2861	9,316113E+21	1,290082E+22	1,519561E+22	1,519541E+22	1,290034E+22	9,315647E+21	5,627368E+21	2,823848E+21	1,430736E+21	1,430776E+21	2,823979E+21	5,627626E+21
2862	9,316039E+21	1,290060E+22	1,519521E+22	1,519518E+22	1,290056E+22	9,316062E+21	5,627759E+21	2,824104E+21	1,430836E+21	1,430745E+21	2,823795E+21	5,627295E+21
2863	9,315736E+21	1,290069E+22	1,519585E+22	1,519588E+22	1,290091E+22	9,315950E+21	5,627437E+21	2,823896E+21	1,430815E+21	1,430895E+21	2,824137E+21	5,627762E+21
2864	9,316119E+21	1,290075E+22	1,519550E+22	1,519515E+22	1,290010E+22	9,315568E+21	5,627439E+21	2,824043E+21	1,430943E+21	1,430934E+21	2,824057E+21	5,627542E+21
2865	9,315693E+21	1,290009E+22	1,519498E+22	1,519529E+22	1,290066E+22	9,316129E+21	5,627851E+21	2,824296E+21	1,431122E+21	1,431091E+21	2,824174E+21	5,627597E+21
2866	9,315757E+21	1,290024E+22	1,519500E+22	1,519510E+22	1,290036E+22	9,315698E+21	5,627537E+21	2,824231E+21	1,431238E+21	1,431344E+21	2,824555E+21	5,627999E+21
2867	9,316003E+21	1,290013E+22	1,519431E+22	1,519391E+22	1,289955E+22	9,315691E+21	5,627919E+21	2,824638E+21	1,431515E+21	1,431448E+21	2,824432E+21	5,627614E+21
2868	9,315406E+21	1,289952E+22	1,519420E+22	1,519443E+22	1,290012E+22	9,316028E+21	5,628070E+21	2,824748E+21	1,431674E+21	1,431675E+21	2,824700E+21	5,627873E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,315705E+21	1,289982E+22	1,519414E+22	1,519394E+22	1,289931E+22	9,315267E+21	5,627709E+21	2,824716E+21	1,431784E+21	1,431855E+21	2,824940E+21	5,628059E+21
2870	9,315616E+21	1,289930E+22	1,519330E+22	1,519322E+22	1,289921E+22	9,315618E+21	5,628166E+21	2,825085E+21	1,431988E+21	1,431899E+21	2,824798E+21	5,627728E+21
2871	9,315169E+21	1,289901E+22	1,519355E+22	1,519386E+22	1,289974E+22	9,315752E+21	5,627991E+21	2,824910E+21	1,431960E+21	1,432028E+21	2,825117E+21	5,628235E+21
2872	9,315754E+21	1,289938E+22	1,519340E+22	1,519319E+22	1,289885E+22	9,315202E+21	5,627844E+21	2,824904E+21	1,431945E+21	1,431960E+21	2,824986E+21	5,628068E+21
2873	9,315552E+21	1,289908E+22	1,519311E+22	1,519330E+22	1,289940E+22	9,315772E+21	5,628217E+21	2,825051E+21	1,431935E+21	1,431855E+21	2,824790E+21	5,627833E+21
2874	9,315492E+21	1,289951E+22	1,519388E+22	1,519387E+22	1,289956E+22	9,315524E+21	5,627797E+21	2,824733E+21	1,431781E+21	1,431852E+21	2,824960E+21	5,628157E+21
2875	9,315869E+21	1,289978E+22	1,519391E+22	1,519346E+22	1,289904E+22	9,315405E+21	5,627908E+21	2,824792E+21	1,431713E+21	1,431639E+21	2,824584E+21	5,627668E+21
2876	9,315326E+21	1,289932E+22	1,519404E+22	1,519446E+22	1,290014E+22	9,315986E+21	5,628036E+21	2,824704E+21	1,431586E+21	1,431536E+21	2,824523E+21	5,627714E+21
2877	9,315644E+21	1,289992E+22	1,519447E+22	1,519452E+22	1,289990E+22	9,315488E+21	5,627540E+21	2,824359E+21	1,431385E+21	1,431464E+21	2,824620E+21	5,627961E+21
2878	9,315849E+21	1,289989E+22	1,519414E+22	1,519398E+22	1,289971E+22	9,315766E+21	5,627881E+21	2,824527E+21	1,431354E+21	1,431259E+21	2,824248E+21	5,627507E+21
2879	9,315440E+21	1,289975E+22	1,519461E+22	1,519489E+22	1,290042E+22	9,316060E+21	5,627816E+21	2,824338E+21	1,431238E+21	1,431264E+21	2,824395E+21	5,627832E+21
2880	9,315976E+21	1,290033E+22	1,519490E+22	1,519467E+22	1,289971E+22	9,315370E+21	5,627485E+21	2,824218E+21	1,431177E+21	1,431213E+21	2,824339E+21	5,627739E+21
2881	9,315799E+21	1,290002E+22	1,519448E+22	1,519452E+22	1,290008E+22	9,315848E+21	5,627869E+21	2,824476E+21	1,431288E+21	1,431201E+21	2,824198E+21	5,627453E+21
2882	9,315454E+21	1,289995E+22	1,519482E+22	1,519496E+22	1,290037E+22	9,315818E+21	5,627615E+21	2,824313E+21	1,431314E+21	1,431399E+21	2,824578E+21	5,627965E+21
2883	9,315909E+21	1,290006E+22	1,519448E+22	1,519413E+22	1,289946E+22	9,315471E+21	5,627701E+21	2,824499E+21	1,431464E+21	1,431457E+21	2,824506E+21	5,627746E+21
2884	9,315489E+21	1,289935E+22	1,519385E+22	1,519424E+22	1,290003E+22	9,315996E+21	5,628112E+21	2,824787E+21	1,431665E+21	1,431617E+21	2,824593E+21	5,627747E+21
2885	9,315599E+21	1,289971E+22	1,519400E+22	1,519397E+22	1,289958E+22	9,315455E+21	5,627722E+21	2,824682E+21	1,431769E+21	1,431876E+21	2,825006E+21	5,628186E+21
2886	9,315814E+21	1,289955E+22	1,519343E+22	1,519297E+22	1,289880E+22	9,315384E+21	5,628071E+21	2,825085E+21	1,432039E+21	1,431971E+21	2,824880E+21	5,627785E+21
2887	9,315144E+21	1,289881E+22	1,519318E+22	1,519345E+22	1,289942E+22	9,315761E+21	5,628231E+21	2,825187E+21	1,432193E+21	1,432201E+21	2,825168E+21	5,628083E+21
2888	9,315453E+21	1,289905E+22	1,519315E+22	1,519308E+22	1,289873E+22	9,315044E+21	5,627848E+21	2,825119E+21	1,432274E+21	1,432353E+21	2,825380E+21	5,628273E+21
2889	9,315433E+21	1,289864E+22	1,519231E+22	1,519232E+22	1,289867E+22	9,315459E+21	5,628314E+21	2,825453E+21	1,432433E+21	1,432354E+21	2,825216E+21	5,627959E+21
2890	9,315046E+21	1,289841E+22	1,519250E+22	1,519275E+22	1,289902E+22	9,315568E+21	5,628187E+21	2,825316E+21	1,432419E+21	1,432477E+21	2,825495E+21	5,628414E+21
2891	9,315660E+21	1,289897E+22	1,519265E+22	1,519227E+22	1,289816E+22	9,315010E+21	5,628050E+21	2,825316E+21	1,432402E+21	1,432398E+21	2,825326E+21	5,628158E+21
2892	9,315321E+21	1,289855E+22	1,519238E+22	1,519259E+22	1,289889E+22	9,315582E+21	5,628383E+21	2,825450E+21	1,432390E+21	1,432288E+21	2,825107E+21	5,627867E+21
2893	9,315221E+21	1,289899E+22	1,519314E+22	1,519315E+22	1,289905E+22	9,315321E+21	5,627901E+21	2,825071E+21	1,432202E+21	1,432282E+21	2,825330E+21	5,628282E+21
2894	9,315598E+21	1,289914E+22	1,519309E+22	1,519277E+22	1,289858E+22	9,315230E+21	5,628010E+21	2,825113E+21	1,432113E+21	1,432051E+21	2,824954E+21	5,627834E+21
2895	9,315108E+21	1,289863E+22	1,519299E+22	1,519352E+22	1,289960E+22	9,315871E+21	5,628212E+21	2,825041E+21	1,431980E+21	1,431944E+21	2,824896E+21	5,627912E+21
2896	9,315505E+21	1,289933E+22	1,519359E+22	1,519370E+22	1,289933E+22	9,315301E+21	5,627693E+21	2,824700E+21	1,431775E+21	1,431852E+21	2,824951E+21	5,628112E+21
2897	9,315734E+21	1,289945E+22	1,519338E+22	1,519319E+22	1,289915E+22	9,315560E+21	5,628004E+21	2,824863E+21	1,431749E+21	1,431654E+21	2,824594E+21	5,627653E+21
2898	9,315268E+21	1,289923E+22	1,519378E+22	1,519397E+22	1,289975E+22	9,315842E+21	5,627982E+21	2,824730E+21	1,431688E+21	1,431708E+21	2,824772E+21	5,627980E+21
2899	9,315782E+21	1,289981E+22	1,519414E+22	1,519386E+22	1,289911E+22	9,315174E+21	5,627662E+21	2,824631E+21	1,431661E+21	1,431695E+21	2,824752E+21	5,627904E+21
2900	9,315547E+21	1,289931E+22	1,519350E+22	1,519370E+22	1,289960E+22	9,315712E+21	5,628048E+21	2,824896E+21	1,431793E+21	1,431706E+21	2,824621E+21	5,627634E+21
2901	9,315301E+21	1,289936E+22	1,519379E+22	1,519392E+22	1,289971E+22	9,315644E+21	5,627790E+21	2,824713E+21	1,431806E+21	1,431912E+21	2,825041E+21	5,628213E+21
2902	9,315806E+21	1,289952E+22	1,519353E+22	1,519312E+22	1,289872E+22	9,315200E+21	5,627873E+21	2,824933E+21	1,431969E+21	1,431964E+21	2,824942E+21	5,627943E+21
2903	9,315329E+21	1,289878E+22	1,519285E+22	1,519315E+22	1,289927E+22	9,315757E+21	5,628319E+21	2,825246E+21	1,432190E+21	1,432140E+21	2,825030E+21	5,627901E+21
2904	9,315339E+21	1,289904E+22	1,519315E+22	1,519316E+22	1,289892E+22	9,315178E+21	5,627884E+21	2,825124E+21	1,432289E+21	1,432390E+21	2,825426E+21	5,628302E+21

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	9,315489E+21	1,289881E+22	1,519248E+22	1,519215E+22	1,289825E+22	9,315160E+21	5,628217E+21	2,825505E+21	1,432543E+21	1,432482E+21	2,825333E+21	5,627963E+21
2906	9,314826E+21	1,289796E+22	1,519198E+22	1,519235E+22	1,289878E+22	9,315610E+21	5,628445E+21	2,825633E+21	1,432710E+21	1,432718E+21	2,825625E+21	5,628307E+21
2907	9,315259E+21	1,289836E+22	1,519206E+22	1,519197E+22	1,289803E+22	9,314902E+21	5,628094E+21	2,825569E+21	1,432780E+21	1,432853E+21	2,825810E+21	5,628476E+21
2908	9,315264E+21	1,289800E+22	1,519128E+22	1,519132E+22	1,289804E+22	9,315282E+21	5,628521E+21	2,825889E+21	1,432925E+21	1,432826E+21	2,825586E+21	5,628096E+21
2909	9,314937E+21	1,289801E+22	1,519169E+22	1,519179E+22	1,289831E+22	9,315313E+21	5,628326E+21	2,825695E+21	1,432874E+21	1,432934E+21	2,825877E+21	5,628561E+21
2910	9,315488E+21	1,289851E+22	1,519199E+22	1,519157E+22	1,289757E+22	9,314729E+21	5,628158E+21	2,825676E+21	1,432832E+21	1,432827E+21	2,825688E+21	5,628276E+21
2911	9,315069E+21	1,289795E+22	1,519156E+22	1,519186E+22	1,289841E+22	9,315401E+21	5,628514E+21	2,825798E+21	1,432807E+21	1,432714E+21	2,825482E+21	5,628017E+21
2912	9,314955E+21	1,289829E+22	1,519231E+22	1,519250E+22	1,289864E+22	9,315188E+21	5,628031E+21	2,825387E+21	1,432590E+21	1,432679E+21	2,825679E+21	5,628444E+21
2913	9,315419E+21	1,289854E+22	1,519220E+22	1,519198E+22	1,289814E+22	9,315123E+21	5,628163E+21	2,825421E+21	1,432476E+21	1,432429E+21	2,825311E+21	5,628028E+21
2914	9,314991E+21	1,289810E+22	1,519203E+22	1,519247E+22	1,289892E+22	9,315700E+21	5,628409E+21	2,825412E+21	1,432386E+21	1,432342E+21	2,825239E+21	5,628080E+21
2915	9,315408E+21	1,289894E+22	1,519284E+22	1,519279E+22	1,289865E+22	9,315098E+21	5,627880E+21	2,825090E+21	1,432211E+21	1,432276E+21	2,825293E+21	5,628220E+21
2916	9,315521E+21	1,289893E+22	1,519265E+22	1,519246E+22	1,289862E+22	9,315337E+21	5,628141E+21	2,825247E+21	1,432206E+21	1,432101E+21	2,824942E+21	5,627746E+21
2917	9,315062E+21	1,289873E+22	1,519299E+22	1,519315E+22	1,289915E+22	9,315582E+21	5,628080E+21	2,825090E+21	1,432146E+21	1,432181E+21	2,825192E+21	5,628169E+21
2918	9,315575E+21	1,289919E+22	1,519327E+22	1,519308E+22	1,289858E+22	9,314963E+21	5,627790E+21	2,825001E+21	1,432117E+21	1,432165E+21	2,825175E+21	5,628116E+21
2919	9,315368E+21	1,289865E+22	1,519245E+22	1,519270E+22	1,289899E+22	9,315550E+21	5,628249E+21	2,825301E+21	1,432265E+21	1,432189E+21	2,825047E+21	5,627838E+21
2920	9,315112E+21	1,289872E+22	1,519287E+22	1,519302E+22	1,289907E+22	9,315439E+21	5,627993E+21	2,825138E+21	1,432288E+21	1,432386E+21	2,825430E+21	5,628351E+21
2921	9,315597E+21	1,289895E+22	1,519265E+22	1,519224E+22	1,289813E+22	9,315004E+21	5,628061E+21	2,825355E+21	1,432457E+21	1,432452E+21	2,825359E+21	5,628074E+21
2922	9,315032E+21	1,289808E+22	1,519181E+22	1,519207E+22	1,289854E+22	9,315534E+21	5,628547E+21	2,825727E+21	1,432731E+21	1,432670E+21	2,825477E+21	5,628060E+21
2923	9,315033E+21	1,289830E+22	1,519212E+22	1,519216E+22	1,289828E+22	9,314988E+21	5,628105E+21	2,825613E+21	1,432849E+21	1,432943E+21	2,825897E+21	5,628489E+21
2924	9,315190E+21	1,289797E+22	1,519131E+22	1,519114E+22	1,289769E+22	9,315001E+21	5,628414E+21	2,825962E+21	1,433090E+21	1,433026E+21	2,825793E+21	5,628187E+21
2925	9,314700E+21	1,289734E+22	1,519085E+22	1,519115E+22	1,289798E+22	9,315351E+21	5,628617E+21	2,826053E+21	1,433218E+21	1,433242E+21	2,826100E+21	5,628580E+21
2926	9,315191E+21	1,289787E+22	1,519116E+22	1,519096E+22	1,289727E+22	9,314586E+21	5,628239E+21	2,825980E+21	1,433260E+21	1,433333E+21	2,826224E+21	5,628673E+21
2927	9,315138E+21	1,289752E+22	1,519045E+22	1,519038E+22	1,289735E+22	9,315020E+21	5,628667E+21	2,826280E+21	1,433388E+21	1,433293E+21	2,825978E+21	5,628231E+21
2928	9,314689E+21	1,289745E+22	1,519103E+22	1,519116E+22	1,289779E+22	9,315073E+21	5,628450E+21	2,826054E+21	1,433305E+21	1,433364E+21	2,826228E+21	5,628652E+21
2929	9,315199E+21	1,289789E+22	1,519121E+22	1,519095E+22	1,289723E+22	9,314595E+21	5,628278E+21	2,825997E+21	1,433227E+21	1,433236E+21	2,826054E+21	5,628407E+21
2930	9,314778E+21	1,289722E+22	1,519053E+22	1,519092E+22	1,289791E+22	9,315327E+21	5,628720E+21	2,826161E+21	1,433217E+21	1,433123E+21	2,825845E+21	5,628194E+21
2931	9,314775E+21	1,289768E+22	1,519135E+22	1,519154E+22	1,289809E+22	9,315101E+21	5,628260E+21	2,825770E+21	1,433004E+21	1,433081E+21	2,826016E+21	5,628591E+21
2932	9,315256E+21	1,289798E+22	1,519129E+22	1,519108E+22	1,289759E+22	9,314962E+21	5,628348E+21	2,825800E+21	1,432896E+21	1,432829E+21	2,825623E+21	5,628155E+21
2933	9,314913E+21	1,289775E+22	1,519129E+22	1,519153E+22	1,289820E+22	9,315409E+21	5,628527E+21	2,825760E+21	1,432802E+21	1,432762E+21	2,825605E+21	5,628243E+21
2934	9,315269E+21	1,289853E+22	1,519223E+22	1,519208E+22	1,289803E+22	9,314766E+21	5,627968E+21	2,825441E+21	1,432633E+21	1,432703E+21	2,825670E+21	5,628377E+21
2935	9,315311E+21	1,289837E+22	1,519185E+22	1,519170E+22	1,289812E+22	9,315121E+21	5,628246E+21	2,825593E+21	1,432642E+21	1,432555E+21	2,825351E+21	5,627935E+21
2936	9,314832E+21	1,289809E+22	1,519218E+22	1,519246E+22	1,289871E+22	9,315415E+21	5,628206E+21	2,825428E+21	1,432572E+21	1,432621E+21	2,825577E+21	5,628351E+21
2937	9,315410E+21	1,289860E+22	1,519235E+22	1,519222E+22	1,289810E+22	9,314829E+21	5,627964E+21	2,825365E+21	1,432548E+21	1,432608E+21	2,825569E+21	5,628290E+21
2938	9,315181E+21	1,289805E+22	1,519143E+22	1,519159E+22	1,289828E+22	9,315381E+21	5,628505E+21	2,825761E+21	1,432761E+21	1,432668E+21	2,825443E+21	5,627986E+21
2939	9,314886E+21	1,289813E+22	1,519195E+22	1,519201E+22	1,289839E+22	9,315253E+21	5,628242E+21	2,825631E+21	1,432830E+21	1,432905E+21	2,825837E+21	5,628443E+21
2940	9,315242E+21	1,289819E+22	1,519166E+22	1,519132E+22	1,289754E+22	9,314802E+21	5,628274E+21	2,825845E+21	1,433018E+21	1,432999E+21	2,825798E+21	5,628216E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,314755E+21	1,289735E+22	1,519072E+22	1,519097E+22	1,289781E+22	9,315262E+21	5,628704E+21	2,826174E+21	1,433279E+21	1,433234E+21	2,825989E+21	5,628318E+21
2942	9,314816E+21	1,289754E+22	1,519100E+22	1,519108E+22	1,289756E+22	9,314718E+21	5,628267E+21	2,826046E+21	1,433370E+21	1,433479E+21	2,826388E+21	5,628763E+21
2943	9,315050E+21	1,289729E+22	1,519017E+22	1,518998E+22	1,289695E+22	9,314763E+21	5,628593E+21	2,826382E+21	1,433590E+21	1,433540E+21	2,826253E+21	5,628433E+21
2944	9,314571E+21	1,289679E+22	1,519000E+22	1,519024E+22	1,289729E+22	9,315066E+21	5,628758E+21	2,826449E+21	1,433686E+21	1,433705E+21	2,826485E+21	5,628742E+21
2945	9,315044E+21	1,289740E+22	1,519042E+22	1,519018E+22	1,289673E+22	9,314381E+21	5,628387E+21	2,826351E+21	1,433699E+21	1,433775E+21	2,826599E+21	5,628789E+21
2946	9,314876E+21	1,289693E+22	1,518964E+22	1,518953E+22	1,289677E+22	9,314840E+21	5,628866E+21	2,826692E+21	1,433846E+21	1,433741E+21	2,826354E+21	5,628360E+21
2947	9,314409E+21	1,289679E+22	1,519017E+22	1,519039E+22	1,289736E+22	9,314981E+21	5,628654E+21	2,826462E+21	1,433764E+21	1,433810E+21	2,826596E+21	5,628774E+21
2948	9,314909E+21	1,289715E+22	1,519022E+22	1,519012E+22	1,289684E+22	9,314542E+21	5,628482E+21	2,826377E+21	1,433663E+21	1,433665E+21	2,826408E+21	5,628577E+21
2949	9,314675E+21	1,289669E+22	1,518956E+22	1,518983E+22	1,289720E+22	9,315109E+21	5,628881E+21	2,826518E+21	1,433633E+21	1,433547E+21	2,826227E+21	5,628412E+21
2950	9,314712E+21	1,289725E+22	1,519058E+22	1,519062E+22	1,289740E+22	9,314800E+21	5,628384E+21	2,826129E+21	1,433411E+21	1,433484E+21	2,826360E+21	5,628749E+21
2951	9,315132E+21	1,289755E+22	1,519059E+22	1,519026E+22	1,289696E+22	9,314676E+21	5,628437E+21	2,826133E+21	1,433305E+21	1,433246E+21	2,825978E+21	5,628282E+21
2952	9,314675E+21	1,289723E+22	1,519072E+22	1,519096E+22	1,289768E+22	9,315112E+21	5,628589E+21	2,826079E+21	1,433201E+21	1,433168E+21	2,825950E+21	5,628363E+21
2953	9,315028E+21	1,289795E+22	1,519150E+22	1,519147E+22	1,289769E+22	9,314634E+21	5,628070E+21	2,825745E+21	1,433021E+21	1,433110E+21	2,826037E+21	5,628525E+21
2954	9,315058E+21	1,289768E+22	1,519088E+22	1,519077E+22	1,289760E+22	9,315032E+21	5,628456E+21	2,825971E+21	1,433072E+21	1,432987E+21	2,825731E+21	5,628118E+21
2955	9,314653E+21	1,289746E+22	1,519119E+22	1,519148E+22	1,289817E+22	9,315336E+21	5,628461E+21	2,825866E+21	1,433043E+21	1,433073E+21	2,825938E+21	5,628472E+21
2956	9,315181E+21	1,289796E+22	1,519137E+22	1,519126E+22	1,289756E+22	9,314707E+21	5,628200E+21	2,825820E+21	1,433051E+21	1,433088E+21	2,825939E+21	5,628417E+21
2957	9,315004E+21	1,289749E+22	1,519049E+22	1,519048E+22	1,289748E+22	9,315101E+21	5,628691E+21	2,826214E+21	1,433286E+21	1,433196E+21	2,825900E+21	5,628180E+21
2958	9,314653E+21	1,289746E+22	1,519104E+22	1,519107E+22	1,289767E+22	9,314923E+21	5,628398E+21	2,826089E+21	1,433363E+21	1,433443E+21	2,826314E+21	5,628657E+21
2959	9,314983E+21	1,289742E+22	1,519057E+22	1,519029E+22	1,289688E+22	9,314546E+21	5,628414E+21	2,826275E+21	1,433553E+21	1,433556E+21	2,826312E+21	5,628484E+21
2960	9,314539E+21	1,289662E+22	1,518972E+22	1,518999E+22	1,289712E+22	9,314995E+21	5,628837E+21	2,826573E+21	1,433776E+21	1,433750E+21	2,826460E+21	5,628587E+21
2961	9,314726E+21	1,289698E+22	1,519002E+22	1,519004E+22	1,289690E+22	9,314502E+21	5,628431E+21	2,826438E+21	1,433841E+21	1,433964E+21	2,826820E+21	5,628975E+21
2962	9,314920E+21	1,289676E+22	1,518924E+22	1,518889E+22	1,289619E+22	9,314534E+21	5,628805E+21	2,826828E+21	1,434086E+21	1,434023E+21	2,826648E+21	5,628586E+21
2963	9,314388E+21	1,289628E+22	1,518922E+22	1,518939E+22	1,289672E+22	9,314887E+21	5,628964E+21	2,826907E+21	1,434195E+21	1,434188E+21	2,826851E+21	5,628802E+21
2964	9,314702E+21	1,289671E+22	1,518956E+22	1,518945E+22	1,289632E+22	9,314268E+21	5,628590E+21	2,826791E+21	1,434197E+21	1,434251E+21	2,826967E+21	5,628891E+21
2965	9,314595E+21	1,289623E+22	1,518868E+22	1,518860E+22	1,289621E+22	9,314677E+21	5,629037E+21	2,827089E+21	1,434316E+21	1,434218E+21	2,826781E+21	5,628566E+21
2966	9,314188E+21	1,289607E+22	1,518918E+22	1,518946E+22	1,289676E+22	9,314785E+21	5,628829E+21	2,826846E+21	1,434199E+21	1,434249E+21	2,826986E+21	5,628971E+21
2967	9,314743E+21	1,289651E+22	1,518921E+22	1,518909E+22	1,289619E+22	9,314350E+21	5,628642E+21	2,826738E+21	1,434080E+21	1,434089E+21	2,826785E+21	5,628763E+21
2968	9,314534E+21	1,289622E+22	1,518886E+22	1,518902E+22	1,289655E+22	9,314823E+21	5,628965E+21	2,826834E+21	1,434013E+21	1,433928E+21	2,826550E+21	5,628553E+21
2969	9,314599E+21	1,289686E+22	1,518994E+22	1,518990E+22	1,289687E+22	9,314571E+21	5,628468E+21	2,826424E+21	1,433777E+21	1,433860E+21	2,826685E+21	5,628858E+21
2970	9,314919E+21	1,289703E+22	1,518988E+22	1,518953E+22	1,289643E+22	9,314480E+21	5,628572E+21	2,826480E+21	1,433706E+21	1,433644E+21	2,826322E+21	5,628429E+21
2971	9,314473E+21	1,289665E+22	1,518994E+22	1,519028E+22	1,289733E+22	9,315019E+21	5,628737E+21	2,826441E+21	1,433629E+21	1,433586E+21	2,826295E+21	5,628493E+21
2972	9,314793E+21	1,289728E+22	1,519057E+22	1,519066E+22	1,289733E+22	9,314609E+21	5,628281E+21	2,826125E+21	1,433455E+21	1,433536E+21	2,826386E+21	5,628698E+21
2973	9,314964E+21	1,289716E+22	1,518994E+22	1,518969E+22	1,289688E+22	9,314834E+21	5,628651E+21	2,826373E+21	1,433529E+21	1,433448E+21	2,826136E+21	5,628326E+21
2974	9,314534E+21	1,289694E+22	1,519034E+22	1,519051E+22	1,289743E+22	9,315050E+21	5,628641E+21	2,826300E+21	1,433526E+21	1,433549E+21	2,826332E+21	5,628610E+21
2975	9,314948E+21	1,289735E+22	1,519048E+22	1,519030E+22	1,289687E+22	9,314446E+21	5,628355E+21	2,826249E+21	1,433561E+21	1,433607E+21	2,826383E+21	5,628567E+21
2976	9,314691E+21	1,289681E+22	1,518969E+22	1,518966E+22	1,289682E+22	9,314786E+21	5,628793E+21	2,826617E+21	1,433786E+21	1,433707E+21	2,826350E+21	5,628377E+21

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude \odot	0° - 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	9,314415E+21	1,289674E+22	1,519003E+22	1,519015E+22	1,289713E+22	9,314735E+21	5,628534E+21	2,826475E+21	1,433849E+21	1,433950E+21	2,826774E+21	5,628880E+21
2978	9,314765E+21	1,289666E+22	1,518943E+22	1,518916E+22	1,289618E+22	9,314368E+21	5,628634E+21	2,826718E+21	1,434059E+21	1,434065E+21	2,826763E+21	5,628732E+21
2979	9,314415E+21	1,289599E+22	1,518867E+22	1,518892E+22	1,289648E+22	9,314822E+21	5,629059E+21	2,827046E+21	1,434300E+21	1,434252E+21	2,826863E+21	5,628738E+21
2980	9,314528E+21	1,289639E+22	1,518910E+22	1,518910E+22	1,289633E+22	9,314368E+21	5,628669E+21	2,826911E+21	1,434366E+21	1,434461E+21	2,827203E+21	5,629107E+21
2981	9,314741E+21	1,289622E+22	1,518839E+22	1,518790E+22	1,289544E+22	9,314273E+21	5,628996E+21	2,827284E+21	1,434612E+21	1,434547E+21	2,827092E+21	5,628755E+21
2982	9,314132E+21	1,289561E+22	1,518836E+22	1,518858E+22	1,289612E+22	9,314634E+21	5,629138E+21	2,827354E+21	1,434705E+21	1,434695E+21	2,827281E+21	5,628959E+21
2983	9,314406E+21	1,289593E+22	1,518853E+22	1,518854E+22	1,289581E+22	9,314125E+21	5,628743E+21	2,827184E+21	1,434680E+21	1,434750E+21	2,827414E+21	5,629094E+21
2984	9,314346E+21	1,289551E+22	1,518773E+22	1,518768E+22	1,289558E+22	9,314464E+21	5,629165E+21	2,827433E+21	1,434738E+21	1,434655E+21	2,827179E+21	5,628794E+21
2985	9,314105E+21	1,289554E+22	1,518825E+22	1,518850E+22	1,289614E+22	9,314595E+21	5,628966E+21	2,827168E+21	1,434583E+21	1,434641E+21	2,827330E+21	5,629131E+21
2986	9,314620E+21	1,289603E+22	1,518839E+22	1,518814E+22	1,289548E+22	9,314109E+21	5,628791E+21	2,827096E+21	1,434482E+21	1,434482E+21	2,827112E+21	5,628897E+21
2987	9,314392E+21	1,289579E+22	1,518819E+22	1,518831E+22	1,289604E+22	9,314615E+21	5,629083E+21	2,827193E+21	1,434430E+21	1,434328E+21	2,826860E+21	5,628619E+21
2988	9,314337E+21	1,289630E+22	1,518923E+22	1,518929E+22	1,289652E+22	9,314468E+21	5,628615E+21	2,826779E+21	1,434193E+21	1,434262E+21	2,827008E+21	5,628980E+21
2989	9,314729E+21	1,289644E+22	1,518904E+22	1,518870E+22	1,289590E+22	9,314326E+21	5,628709E+21	2,826820E+21	1,434123E+21	1,434075E+21	2,826711E+21	5,628632E+21
2990	9,314327E+21	1,289605E+22	1,518905E+22	1,518943E+22	1,289677E+22	9,314853E+21	5,628916E+21	2,826811E+21	1,434047E+21	1,434006E+21	2,826655E+21	5,628657E+21
2991	9,314635E+21	1,289669E+22	1,518962E+22	1,518970E+22	1,289672E+22	9,314453E+21	5,628460E+21	2,826509E+21	1,433897E+21	1,433979E+21	2,826762E+21	5,628842E+21
2992	9,314757E+21	1,289664E+22	1,518922E+22	1,518886E+22	1,289620E+22	9,314566E+21	5,628781E+21	2,826747E+21	1,433971E+21	1,433892E+21	2,826514E+21	5,628476E+21
2993	9,314357E+21	1,289641E+22	1,518954E+22	1,518968E+22	1,289682E+22	9,314825E+21	5,628781E+21	2,826678E+21	1,433981E+21	1,434013E+21	2,826730E+21	5,628740E+21
2994	9,314660E+21	1,289665E+22	1,518955E+22	1,518939E+22	1,289623E+22	9,314230E+21	5,628532E+21	2,826682E+21	1,434063E+21	1,434111E+21	2,826830E+21	5,628779E+21
2995	9,314473E+21	1,289609E+22	1,518864E+22	1,518875E+22	1,289631E+22	9,314634E+21	5,628962E+21	2,827054E+21	1,434308E+21	1,434226E+21	2,826793E+21	5,628577E+21
2996	9,314217E+21	1,289603E+22	1,518892E+22	1,518910E+22	1,289654E+22	9,314633E+21	5,628772E+21	2,826933E+21	1,434372E+21	1,434461E+21	2,827206E+21	5,629115E+21
2997	9,314691E+21	1,289610E+22	1,518839E+22	1,518798E+22	1,289535E+22	9,314104E+21	5,628838E+21	2,827185E+21	1,434594E+21	1,434598E+21	2,827223E+21	5,628962E+21
2998	9,314300E+21	1,289548E+22	1,518781E+22	1,518795E+22	1,289571E+22	9,314511E+21	5,629239E+21	2,827516E+21	1,434837E+21	1,434780E+21	2,827289E+21	5,628871E+21
2999	9,314256E+21	1,289572E+22	1,518819E+22	1,518818E+22	1,289568E+22	9,314151E+21	5,628847E+21	2,827367E+21	1,434907E+21	1,435005E+21	2,827657E+21	5,629233E+21